



Plankton Net Tow Log Sheet

Cruise #: 2013-58 Vessel: Tolly

Page: Copy

Project(s): LaPZM

Contact:

TSK Serial #: 7132

Date: 7/9/13	Station: E1	Time: 0638	(LOCAL)
Net Event # 9	CTD # 8		not UTC
Latitude: 48 31.71	N	Longitude: 125 3.77	W
deg min.dec		deg min.dec	
Wire out: 110	Wire angle: 10	Bottom Depth: 112	
Net Type: Bongo	Tow Type: UNH		
Flow start	Flow end	Flow = frozen	
941225	94946	Non-flow = pickled	

Notes:

Date: 7/9/13	Station: C1	Time: 0909	(LOCAL)
Net Event # 13	CTD # 12		not UTC
Latitude: 48 48.91	N	Longitude: 125 15.41	W
deg min.dec		deg min.dec	
Wire out: 140	Wire angle: 0	Bottom Depth: 151	
Net Type: Bongo	Tow Type: UNH		
Flow start	Flow end	Flow = frozen	
94946	95992	Non-flow = pickled	

Notes:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
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 #		not UTC
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:



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Cruise #:

Vessel:

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Project(s):

Contact:

TSK Serial #:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #		not UTC
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 #		not UTC
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 #		not UTC
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 #		not UTC
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:



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Cruise #: 2013-58 Vessel: J. TOLLY Page: 1

Project(s): LA PEROUSE Contact:

TSK Serial #: 7132

Date: 7/9/13	Station: CZ	Time: 1007 (LOCAL)
Net Event # 15	CTD # 14	not UTC
Latitude: 40 26 . 20 N	Longitude: 125 09.34 W	
deg min.dec	deg min.dec	
Wire out: 150	Wire angle: 0	Bottom Depth: 161
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
95992	97130	Non-flow = pickled

Notes:

Date: 7/9/13	Station: C3	Time: 1131 1128 (LOCAL)
Net Event # 17	CTD # 16	not UTC
Latitude: 48 23 45 N	Longitude: 125 20 82 W	
deg min.dec	deg min.dec	
Wire out: 113	Wire angle: 0	Bottom Depth: 122
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
97130	97815	Non-flow = pickled

Notes:

Date: 7 Sept 2013	Station: L307	Time: 1236 (LOCAL)
Net Event # 19	CTD # 18	1936 UTC
Latitude: 48 28 64 N	Longitude: 125 22.24 W	
deg min.dec	deg min.dec	
Wire out: 147	Wire angle: 5°	Bottom Depth: 157
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
97815	98950	Non-flow = pickled

Notes:

Date: 7 Sept 13	Station: B8	Time: 1416 (LOCAL)
Net Event # 21	CTD # 20	2116 not UTC
Latitude: 48 34.55 N	Longitude: 125 30.02 W	
deg min.dec	deg min.dec	
Wire out: 105	Wire angle: 0°	Bottom Depth: 117
Net Type: Bongo	Tow Type: VNH	
Flow start 98950	Flow end 99772	Flow = frozen
		Non-flow = pickled

Notes:

HIT CURRENT AT SURFACE
2 TRIES TO DEPLOY - NO READING BETWEEN



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Cruise #: 2013-58 Vessel: 1pTouy Page: 2

Project(s): LARROUSE Contact:

TSK Serial #: 7132

Date: 7 Sept '13	Station: B7	Time: 1513 (LOCAL)
Net Event # 23	CTD # 22	2213 not UTC
Latitude: 48 31.94 N	Longitude: 125 35.58 W	
deg min.dec	deg min.dec	
Wire out: 71	Wire angle: 5°	Bottom Depth: 81
Net Type: Bongo	Tow Type: VNH	
Flow start 9972	Flow end 100348	Flow = frozen
		Non-flow = pickled

Notes:

Date: 7 Sept '13	Station: LB08	Time: 1622 (LOCAL)
Net Event # 24	CTD # 25	2322 not UTC
Latitude: 48 25.25 N	Longitude: 125 28.63 W	
deg min.dec	deg min.dec	
Wire out: 127	Wire angle: 0°	Bottom Depth: 137
Net Type: Bongo	Tow Type: VNH	
Flow start 348	Flow end 1264	Flow = frozen
		Non-flow = pickled

Notes:

Date: 7 Sept '13	Station: LB11	Time: 1940 (LOCAL)
Net Event # 28	CTD # 29	0240 not UTC
Latitude: 48 15.22 N	Longitude: 125 47.60 W	
deg min.dec	deg min.dec	
Wire out: 194	Wire angle: 0°	Bottom Depth: 204
Net Type: Bongo	Tow Type: VNH	
Flow start 1265	Flow end 2669	Flow = frozen
		Non-flow = pickled

Notes:

Date: 8/9/13	Station: LC12/A4	Time: 0950 (LOCAL)
Net Event # 38	CTD # 37	not UTC
Latitude: 48 15 27 N	Longitude: 126 39 32 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 2536
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
2669	4510	Non-flow = pickled

Notes:

4410



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Cruise #: 2013-58 Vessel: JPTOLLY Page: 3

Project(s): LA PEROUSE Contact:

TSK Serial #: 7132

Date: 8 Sept '13	Station: LC09/A3	Time: 1445 (LOCAL)
Net Event # 41	CTD # 42	2145 not UTC
Latitude: 48 25.90 N	Longitude: 126 13.70 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 612
Net Type: BONGO	Tow Type: VNH	
Flow start 4410	Flow end 6470	Flow = frozen
		Non-flow = pickled

Notes:

Date: 8 Sep 2013	Station: A2	Time: 1643 (LOCAL)
Net Event # 43	CTD # 44	2343 not UTC
Latitude: 48 22.73 N	Longitude: 126 03.74 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 352
Net Type: BONGO	Tow Type: VNH	
Flow start 6470	Flow end 8285	Flow = frozen
		Non-flow = pickled

Notes:

Date: 8 Sept 2013	Station: LC08-A1	Time: 1817 (LOCAL)
Net Event # 45	CTD # 46	0117 not UTC
Latitude: 48 29.42 N	Longitude: 126 07.00 W	
deg min.dec	deg min.dec	
Wire out: 190	Wire angle: 110	Bottom Depth: 200
Net Type: BONGO	Tow Type: VNH	
Flow start 8285	Flow end 9847	Flow = frozen
		Non-flow = pickled

Notes:

Date: 8 Sep 2013	Station: B6-LC06	Time: 2033 (LOCAL)
Net Event # 48	CTD # 49	0333 not UTC
Latitude: 48 36.45 N	Longitude: 125 54.05 W	
deg min.dec	deg min.dec	
Wire out: 82	Wire angle: 5	Bottom Depth: 92
Net Type: BONGO	Tow Type: VNH	
Flow start 9847	Flow end 10655	Flow = frozen
		Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: JPTULLY Page: 4

Project(s): LAPERROUSE Contact:

TSK Serial #: 7132

Date: 8 Sept 2013	Station: BS-LC05	Time: 2149 (LOCAL)
Net Event # 50	CTD # 51	0449 not UTC
Latitude: 48° 40.00 N deg min.dec	Longitude: 125° 47.47 W deg min.dec	
Wire out: 53	Wire angle: 16	Bottom Depth: 63
Net Type: BONGO	Tow Type: VNH	
Flow start 10655	Flow end 11337	Flow = frozen
		Non-flow = pickled

Notes:

Date: 9/9/13	Station: LD 02	Time: 0455 (LOCAL)
Net Event # 58	CTD # 57	not UTC
Latitude: 48° 58' 36" N deg min.dec	Longitude: 125° 46' 95" W deg min.dec	
Wire out: 34	Wire angle: 0	Bottom Depth: 44
Net Type: BONGO	Tow Type: VNH	
Flow start 11337	Flow end 11440	Flow = frozen
		Non-flow = pickled

Notes: CHECK SAMPLES LABEL SAY END = 13400
SHOULD BE 11440

Date: 9/9/13	Station: LD 04	Time: 1342 (LOCAL)
Net Event # 61	CTD # 60	not UTC
Latitude: 40° 53' 15" N deg min.dec	Longitude: 125° 57.00 W deg min.dec	
Wire out: 54	Wire angle: 0	Bottom Depth: 64
Net Type: BONGO	Tow Type: VNH	
Flow start 13400	Flow end 11860	Flow = frozen
		Non-flow = pickled

Notes: 11400

Date: 9/9/13	Station: LD09	Time: 1231 (LOCAL)
Net Event # 67	CTD # 68	1931 not UTC
Latitude: 48° 35' 80" N deg min.dec	Longitude: 126° 29.97 W deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1045
Net Type: BONGO	Tow Type: VNH	
Flow start 11860	Flow end 13760	Flow = frozen
		Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: TULLY Page: 5

Project(s): ESTEVAN Contact:

TSK Serial #: 7132

Date: 9 Sep 2013	Station: LD11	Time: 1604 (LOCAL)
Net Event # 71	CTD # 72	2304 not UTC
Latitude: 48° 28.80' N		Longitude: 126° 42.98' W
deg min.dec		deg min.dec
Wire out: 250	Wire angle: 0°	Bottom Depth: 1587
Net Type: BONGO	Tow Type: VNH	
Flow start 13760	Flow end 15510	Flow = frozen
		Non-flow = pickled

Notes:

Date: 9 Sept 2013	Station: LG9	Time: 2243 (LOCAL)
Net Event # 73	CTD # 75	0543 not UTC
Latitude: 48° 51.17' N		Longitude: 127° 19.44' W
deg min.dec		deg min.dec
Wire out: 250	Wire angle: 0	Bottom Depth: 2056
Net Type: BONGO	Tow Type: VNH	
Flow start 15597	Flow end 17882	Flow = frozen
		Non-flow = pickled

Notes:

Date: 10/9/13	Station: LG07	Time: 0627 (LOCAL)
Net Event # 77	CTD # 78	not UTC
Latitude: 48° 59' 40" N		Longitude: 127° 07' 23" W
deg min.dec		deg min.dec
Wire out: 250	Wire angle: 0	Bottom Depth: 1757
Net Type: BONGO	Tow Type: VNH	
Flow start 17882	Flow end 20860	Flow = frozen
		Non-flow = pickled

Notes:

Date: 10/9/13	Station: LG04	Time: 1623 (LOCAL)
Net Event # 82	CTD # 81	1723 not UTC
Latitude: 49° 11' 29" N		Longitude: 126° 49' 41" W
deg min.dec		deg min.dec
Wire out: 135	Wire angle:	Bottom Depth: 145
Net Type: BONGO	Tow Type: VNH	
Flow start 20860	Flow end 20860 ?	Flow = frozen
		Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: JPKULLY Page: 6

Project(s): ESTEVAN → Brooks Contact:

TSK Serial #: 7132

Date: 10 Sept 2013	Station: L602	Time: 12:33 (LOCAL)
Net Event # 85	CTD # 84	not UTC
Latitude: 49° 18.74 N	Longitude: 126° 38.06 W	
deg min.dec	deg min.dec	
Wire out: 90	Wire angle: 0	Bottom Depth: 100
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
20771	21596	Non-flow = pickled

Notes:

Date: 11/9/13	Station: LBP 7	Time: 0253 (LOCAL)
Net Event # 92	CTD # 91	not UTC
Latitude: 49° 52.43 N	Longitude: 128° 11.17 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2176
Net Type: BONG	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
21596	23315	Non-flow = pickled

Notes:

Date: 11/9/13	Station: LBP 5	Time: 0628 (LOCAL)
Net Event # 95	CTD # 94	not UTC
Latitude: 49° 59.97 N	Longitude: 128° 00.01 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1286
Net Type: BONG	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
23315	25075	Non-flow = pickled

Notes:

Date: 11/9/13	Station: LBP 3	Time: 0847 (LOCAL)
Net Event # 98	CTD # 97	not UTC
Latitude: 50° 03.23 N	Longitude: 127° 55.32 W	
deg min.dec	deg min.dec	
Wire out: 155	Wire angle: 0	Bottom Depth: 165
Net Type: BONG	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
25075	25880	Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: Tully

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Project(s): LaP2M

Contact:

TSK Serial #: 7132 BROOKS → CS LINE

Date: 11/9/13	Station: L0A2	Time: 0921 (LOCAL)
Net Event # 100	CTD # 99	not UTC
Latitude: 50 4.00 N	Longitude: 127 54.22 W	
deg min.dec	deg min.dec	
Wire out: 90	Wire angle: 0	Bottom Depth: 98
Net Type: Bongo	Tow Type: VNH	
Flow start 25880	Flow end 26482	Flow = frozen
		Non-flow = pickled

Notes: Wow. Perfect Day! (at Solander too!)

Date: 11 Sept 2013	Station: CPE2	Time: 1807 (LOCAL)
Net Event # 104	CTD # 103	0107 not UTC
Latitude: 50 42.98 N	Longitude: 128 39.89 W	
deg min.dec	deg min.dec	
Wire out: 117	Wire angle: 12	Bottom Depth: 127
Net Type: Bongo	Tow Type: VNH	
Flow start 26482	Flow end 27290	Flow = frozen
		Non-flow = pickled

Notes:

Date: 11 SEPT 2013	Station: L003	Time: 2001 (LOCAL)
Net Event # 105	CTD # 106	0301 not UTC
Latitude: 50 39.71 N	Longitude: 129 02.05 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1257
Net Type: Bongo	Tow Type: VNH	
Flow start 27290	Flow end 29175	Flow = frozen
		Non-flow = pickled

Notes:

Date: 11 SEPT 2013	Station: JE22	Time: 2239 (LOCAL)
Net Event # 107	CTD # 108	0539 not UTC
Latitude: 50 39.83 N	Longitude: 129 17.49 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 10	Bottom Depth: 1528?
Net Type: Bongo	Tow Type: VNH	
Flow start 29175	Flow end 31045	Flow = frozen
		Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: JESSEY Page: 8

Project(s): CSLINE Contact:

TSK Serial #: 7132

Date: 12/9/13	Station: CS 00	Time: 0435 (LOCAL)
Net Event # 110	CTD # 109	not UTC
Latitude: 50° 27.65 N	Longitude: 129° 55.06 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 2175
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
31045	32512	Non-flow = pickled

Notes:

Date: 12/9/13	Station: CS 01	Time: 0719 (LOCAL)
Net Event # 112	CTD # 111	not UTC
Latitude: 50° 34.89 N	Longitude: 129° 41.48 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle:	Bottom Depth:
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
32592	34615	Non-flow = pickled

Notes:

Date: 12/9/13	Station: CS 02	Time: 1032 (LOCAL)
Net Event # 114	CTD # 113	not UTC
Latitude: 50° 41.24 N	Longitude: 129° 28.02 W	
deg min.dec	deg min.dec	
Wire out: 300	Wire angle:	Bottom Depth:
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
34615	37020	Non-flow = pickled

Notes: 300m CAST (LAYER SPOTTED - CHARLES WANT TO INVESTIGATE)

Date: 12/9/13	Station: CS 03	Time: 1158 (LOCAL)
Net Event # 116	CTD # 115	1858 not UTC
Latitude: 50° 45.61 N	Longitude: 129° 20.04 W	
deg min.dec	deg min.dec	
Wire out: 220	Wire angle: 0	Bottom Depth: 230
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end 38691	Flow = frozen
37020		Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: JPTULLY Page: 9

Project(s): CS LINE Contact:

TSK Serial #: 7132

Date: 12-09-13	Station: CS 04	Time: 1303 (LOCAL)
Net Event # 117	CTD # 118	2003 not UTC
Latitude: 50° 49.16' N	Longitude: 129° 12.94' W	
deg min.dec	deg min.dec	
Wire out: 90	Wire angle: 23°	Bottom Depth: 100
Net Type: Bongo	Tow Type: VNH	
Flow start 38691	Flow end 39555	Flow = frozen
		Non-flow = pickled

Notes:

Date: 12 SEPT 2013	Station: ODAS	Time: 1647 (LOCAL)
Net Event # 120	CTD # 122	2347 not UTC
Latitude: 50° 51.16' N	Longitude: 129° 57.15' W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle:	Bottom Depth: 2135
Net Type: Bongo	Tow Type: VNH	
Flow start 39555	Flow end 41353	Flow = frozen
		Non-flow = pickled

Notes:

Date: 12 SEPT 2013	Station: CS 33	Time: 2333 (LOCAL)
Net Event # 123	CTD # 124	0633 not UTC
Latitude: 51° 00.01' N	Longitude: 129° 27.04' W	
deg min.dec	deg min.dec	
Wire out: 210	Wire angle: 0°	Bottom Depth: 220
Net Type: Bongo	Tow Type: VNH	
Flow start 41353	Flow end 42949	Flow = frozen
		Non-flow = pickled

Notes:

Date: 13/9/13	Station: CS 05	Time: 0207 (LOCAL)
Net Event # 126	CTD # 125	not UTC
Latitude: 50° 56.08' N	Longitude: 129° 00.09' W	
deg min.dec	deg min.dec	
Wire out: 55	Wire angle: 10	Bottom Depth: 62
Net Type: Bongo	Tow Type: VNH	
Flow start 42949	Flow end 43498	Flow = frozen
		Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: TULLY Page: 9

Project(s): LA PGOUSE Contact: MOIRA

TSK Serial #: 7132

Date: 13/9/13	Station: CS 18	Time: 0346 (LOCAL)
Net Event # 128	CTD # 127	not UTC
Latitude: 50° 52.99 N	Longitude: 128° 39.91 W	
deg min.dec	deg min.dec	
Wire out: 65	Wire angle: 5	Bottom Depth: 75
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
43498	43990	Non-flow = pickled

Notes:

Date: 13/9/13	Station: CS 06	Time: (LOCAL)
Net Event # 130	CTD # 129	not UTC
Latitude: 51° 00.00 N	Longitude: 128° 51.71 W	
deg min.dec	deg min.dec	
Wire out: 55	Wire angle: 0	Bottom Depth: 65
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
43990	44440	Non-flow = pickled

Notes:

Date: 13/9/13	Station: CS 07	Time: 6:26 (LOCAL)
Net Event # 132	CTD # 131	not UTC
Latitude: 51° 04.47 N	Longitude: 128° 43.98 W	
deg min.dec	deg min.dec	
Wire out: 55	Wire angle: 0	Bottom Depth: 65
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
44440	44520	Non-flow = pickled

Notes:

Date: 13/9/13	Station: CS 08	Time: 07:30 (LOCAL)
Net Event # 134	CTD # 133	not UTC
Latitude: 51° 08.49 N	Longitude: 128° 35.90 W	
deg min.dec	deg min.dec	
Wire out: 135	Wire angle: 0	Bottom Depth: 145
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
44520	45400	Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: TULLY Page: 10

Project(s): LA PEROUSE Contact: MOLLA

TSK Serial #: 7132 CS LINE → RIVERS

Date: 13/09/13	Station: CS 09	Time: 0855 (LOCAL)
Net Event # 136	CTD # 135	1555 net UTC
Latitude: 51° 12.51' N	Longitude: 128° 27.89' W	
deg min.dec	deg min.dec	
Wire out: 185	Wire angle: 0	Bottom Depth: 195
Net Type: BONGO	Tow Type: VNH	
Flow start 45400	Flow end 46830	Flow = frozen
		Non-flow = pickled
Notes:		

Date: 13/9/13	Station: CS 10	Time: 0958 (LOCAL)
Net Event # 138	CTD # 137	1658 net UTC
Latitude: 51° 16.47' N	Longitude: 128° 19.94' W	
deg min.dec	deg min.dec	
Wire out: 71	Wire angle:	Bottom Depth: 81
Net Type: BONGO	Tow Type: VNH	
Flow start 46830	Flow end 47355	Flow = frozen
		Non-flow = pickled
Notes:		

Date: 13.09.13	Station: UBC7	Time: 1315 (LOCAL)
Net Event # 141	CTD # 140	2015 net UTC
Latitude: 51° 29.98' N	Longitude: 127° 49.09' W	
deg min.dec	deg min.dec	
Wire out: 143	Wire angle: 0	Bottom Depth: 153
Net Type: BONGO	Tow Type: VNH	
Flow start 47355	Flow end 47783	Flow = frozen
		Non-flow = pickled
Notes:		

Date: 13 SEPT 2013	Station: P-1	Time: 1458 (LOCAL)
Net Event # 143	CTD # 142	2158 net UTC
Latitude: 51° 26.49' N	Longitude: 127° 38.55' W	
deg min.dec	deg min.dec	
Wire out: 294	Wire angle: 13'	Bottom Depth: 304
Net Type: BONGO	Tow Type: VNH	
Flow start 47783	Flow end 49706	Flow = frozen
		Non-flow = pickled
Notes:		



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Cruise #: 2013-58 Vessel: TULLY Page: 11

Project(s): Rivers Inlet Contact: Moira

TSK Serial #: 7132

Date: 13 SEPT '13	Station: Ri 2	Time: 1628 (LOCAL)
Net Event # 145	CTD # 144	2328 not UTC
Latitude: 51° 31.21' N	Longitude: 127° 33.54' W	
deg min.dec	deg min.dec	
Wire out: 321	Wire angle: 0	Bottom Depth: 331
Net Type: BONGO	Tow Type: VNH	
Flow start 49706	Flow end 50853	Flow = frozen
		Non-flow = pickled

Notes:

Date: 13 SEPT 2013	Station: Ri 3	Time: 1922 (LOCAL)
Net Event # 148	CTD # 147	0222 not UTC
Latitude: 51° 35.83' N	Longitude: 127° 32.09' W	
deg min.dec	deg min.dec	
Wire out: 318	Wire angle:	Bottom Depth: 328
Net Type: BONGO	Tow Type: VNH	
Flow start 50853	Flow end 51700	Flow = frozen
		Non-flow = pickled

Notes:

Date: 13 SEPT 2013	Station: Ri 4	Time: 2048 (LOCAL)
Net Event # 150	CTD # 149	0348 not UTC
Latitude: 51° 38.97' N	Longitude: 127° 26.78' W	
deg min.dec	deg min.dec	
Wire out: 289	Wire angle: 0	Bottom Depth: 299
Net Type: BONGO	Tow Type: VNH	
Flow start 51700	Flow end 53500	Flow = frozen
		Non-flow = pickled

Notes:

Date: 13 SEPT 2013	Station: Ri 5	Time: 2204 (LOCAL)
Net Event # 152	CTD # 151	0504 not UTC
Latitude: 51° 40.70' N	Longitude: 127° 20.03' W	
deg min.dec	deg min.dec	
Wire out: 192	Wire angle: 0	Bottom Depth: 202
Net Type: BONGO	Tow Type: VNH	
Flow start 53500	Flow end 53640	Flow = frozen
		Non-flow = pickled

Notes:



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Cruise #: 2013-58 Vessel: TULLY Page: 12

Project(s): Rivers Inlet Contact: MOIRA

TSK Serial #: 7132

Date: 13 SEPT 2013	Station: R: 6	Time: 2304 (LOCAL)
Net Event # 154	CTD # 153	0604 not UTC
Latitude: 51° 40.51' N	Longitude: 127° 17.11' W	
deg min.dec	deg min.dec	
Wire out: 135	Wire angle: 0	Bottom Depth: 145
Net Type: BONGO	Tow Type: VNH	
Flow start 53640	Flow end 53782	Flow = frozen
		Non-flow = pickled

Notes:

Date: 14/9/13	Station: CPE1	Time: 0446 (LOCAL)
Net Event # 156	CTD # 155	not UTC
Latitude: 51° 00.03' N	Longitude: 127° 49.95' W	
deg min.dec	deg min.dec	
Wire out: 135	Wire angle: 0	Bottom Depth: 145
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
53782	54460	Non-flow = pickled

Notes:

Date: 15/9/13	Station: CPF2	Time: 0235 (LOCAL)
Net Event # 159	CTD # 158	not UTC
Latitude: 49° 27.90' N	Longitude: 124° 30.10' W	
deg min.dec	deg min.dec	
Wire out: 323	Wire angle: 0	Bottom Depth: 320
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
54640	55587	Non-flow = pickled

Notes: 55032

B-5m

Date: 15/9/13	Station: CPF1	Time: 0501 (LOCAL)
Net Event # 161	CTD # 160	not UTC
Latitude: 49° 21.97' N	Longitude: 124° 05.02' W	
deg min.dec	deg min.dec	
Wire out: 238	Wire angle:	Bottom Depth: 244
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
55587	55590	Non-flow = pickled

Notes:

FLOW METER NOT TURNING. DON'T KNOW WHY



Plankton Net Tow Log Sheet

Cruise #: 20358 Vessel: TULLY Page: 12

Project(s): LA PEROUSSE Contact: MORA

TSK Serial #: 7132

Date: 15/09/2013	Station: GE 01	Time: 7:27	(LOCAL)
Net Event # 163	CTD # 162	not UTC	
Latitude: 49 deg	15.06 min.dec N	Longitude: 123 deg	45.11 min.dec W
Wire out: 395	Wire angle: 5°	Bottom Depth: 400	
Net Type: BONGO	Tow Type: JNH		
Flow start 55590	Flow end 56060	Flow = frozen	
		Non-flow = pickled	

Notes:

Date:	Station:	Time:	(LOCAL)
Net Event #	CTD #	not UTC	
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 #	not UTC	
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 #	not UTC	
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 #: 20318 Vessel: TOLLY Page: 1/
Project(s): LNE P Contact: H.M./M.G.
TSK Serial #: 7132

Date: 22/8/13	Station: P2	Time: 08:51 (LOCAL)
Net Event # 004	CTD # 003	not UTC
Latitude: 48° 35.96 N	Longitude: 126° 00.01 W	
deg min.dec	deg min.dec	
Wire out: 108	Wire angle: 0	Bottom Depth: 117
Net Type: BowGo	Tow Type: VNH	
Flow start 45932	Flow end 46690	Flow = frozen ✓
		Non-flow = pickled

Notes:

Date: 22 08 13	Station: P4	Time: 21:34 (LOCAL)
Net Event # 11	CTD # 13	not UTC
Latitude: 48° 38.99 N	Longitude: 126° 40.03 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 1322
Net Type: BowGo	Tow Type: VNH	
Flow start 46690	Flow end 48045	Flow = frozen
		Non-flow = pickled

Notes:

Date: 22 08 13	Station: P4	Time: 21:33 (LOCAL)
Net Event # 12	CTD # 13	not UTC
Latitude: 48 39.097 N	Longitude: 126 40.18 W	
deg min.dec	deg min.dec	
Wire out: 1200	Wire angle: 0	Bottom Depth: 1314
Net Type: BowGo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
48045	55874	Non-flow = pickled

Notes:

Date: 23 08 13	Station: P8	Time: 2326 (LOCAL)
Net Event # 21	CTD # 23	not UTC
Latitude: 48 48.53 N	Longitude: 125 40.23 W	
deg min.dec	deg min.dec	
Wire out: 256	Wire angle: 20	Bottom Depth: 2520
Net Type: BowGo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
56090	58598	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2013-18 Vessel: Jp Tow 4 Page: 2/
Project(s): Line P Contact: /
TSK Serial #:

Date: 24 08 13	Station: P8	Time: 0020 (LOCAL)
Net Event # 22	CTD # 23	not UTC
Latitude: 48 49.04 N	Longitude: 128 40.22 W	
deg min.dec	deg min.dec	
Wire out: 1200	Wire angle: 6	Bottom Depth: 2521
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
58598	69772	Non-flow = pickled

Notes:

Date: AUG 25/13	Station: P12	Time: 0118 (LOCAL)
Net Event # 33	CTD # 32	not UTC
Latitude: 48 58 14 N	Longitude: 130 39 92 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 10	Bottom Depth: 3229
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
69772	72290	Non-flow = pickled

Notes:

Date: AUG 25/13	Station: P12	Time: 0231 (LOCAL)
Net Event # 34	CTD # 32	not UTC
Latitude: 48 58 05 N	Longitude: 130 40 03 W	
deg min.dec	deg min.dec	
Wire out: 1200	Wire angle: 0	Bottom Depth: 3229
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
72290	80582	Non-flow = pickled

Notes:

Date: 26 08 13	Station: P16	Time: 15:17 (LOCAL)
Net Event # 45	CTD # 44	not UTC
Latitude: 49 17.0279 N	Longitude: 134 40.0453 W	
deg min.dec	deg min.dec	
Wire out: 260	Wire angle: 0	Bottom Depth: 3622
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
45152	46549	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2013-18 Vessel: JPTully Page: 31

Project(s): WNE P Contact:

TSK Serial #:

Date: 26 08 13	Station: P16	Time: 16:04 (LOCAL)
Net Event # 46	CTD # 44	not UTC
Latitude: 49 17 00.42 N	Longitude: 134 40.223 W	
deg min.dec	deg min.dec	
Wire out: 1200	Wire angle:	Bottom Depth: 3622
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
46849	54215	Non-flow = pickled

Notes:

Date: 28 08 13	Station: P20	Time: 1522 (LOCAL)
Net Event # 61	CTD # 60	not UTC
Latitude: 49 34.06 N	Longitude: 138 40.03 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 3946
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
54218	57412	Non-flow = pickled

Notes: AT SURFACE ON STDBY FOR 1 MINUTE SOME FLOW ROTATION

Date: 28 08 13	Station: P20	Time: 1626 (LOCAL)
Net Event # 62	CTD # 61	not UTC
Latitude: 49 34.17 N	Longitude: 138 39.99 W	
deg min.dec	deg min.dec	
Wire out: 1200	Wire angle: 5	Bottom Depth: 3947
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
57412	68368	Non-flow = pickled

Notes:

Date: 30 08 13	Station: P26	Time: 1030 (LOCAL)
Net Event # 80	CTD # 79	not UTC
Latitude: 49 54.94 N	Longitude: 145 0.01 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 5	Bottom Depth: 4226
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
68390	70658	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2013-18 Vessel: JP TULLY Page: 4/4

Project(s): LINE P Contact:

TSK Serial #: 7132

Date: 30 08 13	Station: P26	Time: 1125 (LOCAL)
Net Event # 81	CTD # 79	not UTC
Latitude: 49 59.91 N	Longitude: 145 00.46 W	
deg min.dec	deg min.dec	
Wire out: 1200	Wire angle: 10	Bottom Depth: 4226
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
70658	81710	Non-flow = pickled

Notes: SQUID — FLYING + RAINBOW
JUV SOCKEYE SQUID

Date: 31/0/13	Station: P26	Time: 0137 (LOCAL)
Net Event # 82	CTD # 79	not UTC
Latitude: 49 59.99 N	Longitude: 145 00.08 W	
deg min.dec	deg min.dec	
Wire out: 2000	Wire angle: 0	Bottom Depth: 4226
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
81710	91150?	Non-flow = pickled

Notes: 95165

Date: 7/9/13	Station: E1	Time: 0638 (LOCAL)
Net Event # 9	CTD # 8	not UTC
Latitude: 48 31.71 N	Longitude: 125 3.77 W	
deg min.dec	deg min.dec	
Wire out: 110	Wire angle: 10	Bottom Depth: 112
Net Type: BONGO	Tow Type: VNH	
Flow start 9	Flow end	Flow = frozen
94225	94946	Non-flow = pickled

Notes:

Date: 7/9/13	Station: C1	Time: 0911 0909 (LOCAL)
Net Event # 13	CTD # 12	not UTC
Latitude: 48 78 91 N	Longitude: 125 15 41 W	
deg min.dec	deg min.dec	
Wire out: 140	Wire angle: 0	Bottom Depth: 157
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
94946	95992	Non-flow = pickled

Notes:

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