IOS
Institute of Ocean Sciences
Sidney, B.C., Canada

Plankton Net Tow Log Sheet

Cruise #: 2015-61 **Vessel:** JP TULLY **Page:** 1

Project(s): HECATE **Contact:** MOIRA

TSK Serial #: 5300 **RBR serial #:** 79110

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

Date: 15-10-15	Station: CPE2	Time: 0839	**LOCAL**
Net Event # 6	CTD # 5		
Latitude: 50° 43. N (deg / min.dec)	Longitude: 128 39. W (deg / min.dec)		
Wire out: 117	Wire angle: 0	Bottom Depth: 122	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
20101	20705	Non-flow = pickled	

Notes:

Date: 15-10-15	Station: CPE3	Time: 1712	**LOCAL**
Net Event # 15	CTD # 14	0012 UTC	
Latitude: 50 39. 91 N (deg / min.dec)	Longitude: 128 59.68 W (deg / min.dec)		
Wire out: 250	Wire angle: 0	Bottom Depth: ~1000	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
20749	22482	Non-flow = pickled	

Notes:

Date: 2015-10-16	Station: CS03	Time: 0855	**LOCAL**
Net Event # 37	CTD # 36		
Latitude: 50 45.55 N (deg / min.dec)	Longitude: 129 20 07 W (deg / min.dec)		
Wire out: 235	Wire angle: 5	Bottom Depth: 245	
Net Type: B	Tow Type: VNH		
Flow start 26129	Flow end 27055	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 2015-10-16	Station: CS04	Time: 1024	**LOCAL**
Net Event # 39	CTD # 38	1724 UTC	
Latitude: 50° 49.23 N (deg / min.dec)	Longitude: 129° 13.14 W (deg / min.dec)		
Wire out: 90	Wire angle: 8	Bottom Depth: 95	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
28688	30192	Non-flow = pickled	

Notes: REVS HIGH SOME PORPOISING AT SURFACE WINDMILLING

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Cruise #: 2015-61 **Vessel:** TULLY **Page:** 2

Project(s): HEZATE **Contact:** MOIRA

TSK Serial #: 5300 **RBR serial #:** 79110

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

Date: 16 oct 2015	Station: CS2B		Time: 1205		**LOCAL**
Net Event # 41	CTD # 40		1905		
Latitude: 50 deg 56.14 min.dec	N	Longitude: 128 deg 59.89 min.dec		W	
Wire out: 59	Wire angle: 5		Bottom Depth: 64		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
30192	30845		Non-flow = pickled		

Notes:

Date: 16·10·15	Station: CS07		Time: 1610		**LOCAL**
Net Event # 46	CTD # 45				
Latitude: 51 deg 04.60 min.dec	N	Longitude: 128 deg 44.00 min.dec		W	
Wire out: 60	Wire angle: 10		Bottom Depth: 65		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
30790	31333		Non-flow = pickled		

Notes:

RBR removed x used on MPS bathowas reattached to bongo.

Date: 17·10·15	Station: CS1B		Time: 09:11		**LOCAL**
Net Event # 73	CTD # 72				
Latitude: 50° 53.195 deg min.dec	N	Longitude: 128° 39.880 deg min.dec		W	
Wire out: 75	Wire angle: 26		Bottom Depth: 80		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
31560	31939		Non-flow = pickled		

Notes:

Date: 17-10-15	Station: J122		Time: 1706		**LOCAL**
Net Event # 78	CTD # 77				
Latitude: 50 deg 39.7300 min.dec	N	Longitude: 129 deg 18.0100 min.dec		W	
Wire out: 250	Wire angle: 13		Bottom Depth: 1512		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
31937	33747		Non-flow = pickled		

Notes:

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Cruise #: 2015-61 **Vessel:** JP TULLY **Page:** 3

Project(s): HECATE **Contact:** MOIRA

TSK Serial #: **RBR serial #:**

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

Date: 18-10-15	Station: SS1		Time: 1622		**LOCAL**
Net Event # 103	CTD # 107				
Latitude: 51 12.42		N	Longitude: 129 59.99		W
deg	min.dec		deg	min.dec	
Wire out: 250	Wire angle: 5		Bottom Depth: 498		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
58018	60710		Non-flow = pickled		

Notes: FM SIDE WRAPPED AROUND FRAME NO FROZEN

Date: 19-10-15	Station: MT12		Time: 0228		**LOCAL**
Net Event # 107	CTD # 106				
Latitude: 51 35.76		N	Longitude: 130 46.06		W
deg	min.dec		deg	min.dec	
Wire out: 250	Wire angle: 10		Bottom Depth: 1384 / 1257		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
60712	62910		Non-flow = pickled		

Notes: HIGH WIRE ∠ AT START

Date: 19-10-15	Station: MM31		Time: 0913		**LOCAL**
Net Event # 110	CTD # 109				
Latitude: 51° 59.678'		N	Longitude: 130° 42.175'		W
deg	min.dec		deg	min.dec	
Wire out: 250	Wire angle: 0		Bottom Depth: 329		
Net Type: B	Tow Type: VNH				
Flow start 62909	Flow end 64481		Flow = frozen		
			Non-flow = pickled		

Notes:

Date: 2015-10-19	Station: MM32		Time: 1215		**LOCAL**
Net Event # 113	CTD # 112				
Latitude: 51 51.334		N	Longitude: 130 29.875		W
deg	min.dec		deg	min.dec	
Wire out: 250	Wire angle: 0		Bottom Depth: 265		
Net Type: B	Tow Type: VNH				
Flow start 64481	Flow end 66111		Flow = frozen		
			Non-flow = pickled		

Notes:

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Cruise #: 2015-61 **Vessel:** **Page:** 4

Project(s): HECATE **Contact:** MOIRA

TSK Serial #: **RBR serial #:**

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

Date: 2015-10-19	Station: MT53		Time: 1536		**LOCAL**
Net Event # 116	CTD # 115		2236 UTC		
Latitude: 51° 43.37	N	Longitude: 130 14.04		W	
deg min.dec		deg min.dec			
Wire out: 237	Wire angle: 0		Bottom Depth: 237		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
66111	67739		Non-flow = pickled		

Notes:

Date: 19·10·15	Station: MT52		Time: 2046		**LOCAL**
Net Event # 119	CTD # 118		0246 UTC		
Latitude: 52° 11.26	N	Longitude: 130° 17.82		W	
deg min.dec		deg min.dec			
Wire out: 250	Wire angle: 15		Bottom Depth: 384		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
67739	69452		Non-flow = pickled		

Notes:

Date: 20·10·15	Station: M008		Time: 0029		**LOCAL**
Net Event # 123	CTD # 122		0729 UTC		
Latitude: 52° 28.25	N	Longitude: 130° 29.22		W	
deg min.dec		deg min.dec			
Wire out: 165	Wire angle: 26		Bottom Depth: 170		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
69452	70705		Non-flow = pickled		

Notes: SANDLANCE ? AT SURFACE

Date: 20·10·15	Station: MT72		Time: 0430		**LOCAL**
Net Event #. 126	CTD # 125				
Latitude: 52 31.44	N	Longitude: 130 08.60		W	
deg min.dec		deg min.dec			
Wire out: 250	Wire angle: 20		Bottom Depth: 293		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
70705	72355		Non-flow = pickled		

Notes: SANDLANCE ? AT SURFACE

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Plankton Net Tow Log Sheet

Cruise #: 2015-61 **Vessel:** TULLY **Page:** 5

Project(s): HELATE **Contact:** MOIRA

TSK Serial #: **RBR serial #:**

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

Date: 2015-10-20	Station: H03		Time: 0824	**LOCAL**
Net Event # 129	CTD # 128			
Latitude: 52° 19.096 N		Longitude: 129° 41.858 W		
deg min.dec		deg min.dec		
Wire out: 205	Wire angle: 0		Bottom Depth: 215	
Net Type: B	Tow Type: VNH			
Flow start 72355	Flow end 74301		Flow = frozen	
			Non-flow = pickled	

Notes:

Date: 2015-10-21	Station: SS4S		Time: 1401	**LOCAL**
Net Event # 136	CTD # 135		2101 UTC	
Latitude: 51° 22.12 N		Longitude: 128° 48.64 W		
deg min.dec		deg min.dec		
Wire out: 207	Wire angle: 12		Bottom Depth: 217	
Net Type: B	Tow Type: VNH			
Flow start	Flow end 75386		Flow = frozen	
74300			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:

RBR 7910 TSK 5300

STN	STN Z	TOW Z	∠°	START	END
CPE2	122	117	0	20101	20750
CPE3	1088	250	0	20749	22482
CS03	240	235	5	26129	27055
CS04	95	90	8	28688	30892
CS2B	64	59	5	30192	31855
CS07	65	60	16	30770	31333
CS1B	80	75	26	31560	31939
122	512	250	13	31937	33747
CS01	474	250	5	58018	60710
MT12	1359	250	10	60712	62910
MT31	329	250	0	62907	64481
MT32	265	250	0	64481	66111
MT33	237	232	0	66111	67739
MT52	388	250	15	67739	69452
M008	170	165	26	69452	70705
MT72	293	250	20	70705	72355
H03	215	205	0	72355	74130
SS41	217	207		74130	

Rite in the Rain

MULTINET Log Sheet

Cruise: 2015-61 Station: CPE2 Date: 2015-10-15

Event #: 7 Local Time: Latitude (°N):

CTD #: 5 Bottom Depth: 122 Longitude (°W):

Project: WCTI Area: Scott Isl

NET	Time	Depth (m)	Flow (m^3)	Comments
1	0938	120-100	9	small copepods
2	943	100-50-10-50	33	2 larval sanddab + salps
3	949	50-25-50-25-50-25	37	50-25-50-25-50-25 Doliolids + Pleurobrachia
4	954	25-5-25-5-15-25-5	46	25-5-25-5-25-5 Doliolids + Mitrocomas + Gonatus
5	-	5-sfc	4	5-0 Gonatus + Doliolids

Comments:

Cruise: 2015-61 Station: CS08-7 Date: 2015-10-16

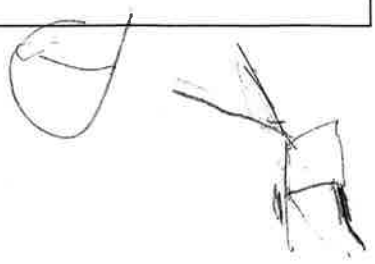
Event #: 48 Local Time: Latitude (°N):

CTD #: 47 Bottom Depth: Longitude (°W):

Project: HECATE Area: Scott Islands

NET	Time	Depth (m)	Flow (m^3)	Comments
1	17:48	0-115	25	
2		115-90		
3		90-55		
4		55-0		
5				

Comments:



MULTINET Log Sheet

Cruise: 2015-61 Station: J122 Date: 2015-10-17

Event #: 79 Local Time: 1743 Latitude (°N): 50 40. 1992

CTD #: 77 Bottom Depth: 1010 Longitude (°W): 129 16. 6924

Project: HEAPE Area: Scott Isl

NET	Time	Depth (m)	Flow (m^3)	Comments
1	1917	0-500	353	
2	1820	500-400	52	
3	1827	400-300	117	
4	1830	300-200	51	
5	1837	200-0	170	

Comments:

Cruise:_____ Station:_____ Date:_____

Event #:_____ Local Time:_____ Latitude (°N):_____

CTD #:_____ Bottom Depth:_____ Longitude (°W):_____

Project:_____ Area:_____

NET	Time	Depth (m)	Flow (m^3)	Comments

Comments: