(46)

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

Plankton Net Tow Log Sheet

Cruise #: 2016-47 **Vessel:** Vector **Page:** 1

Project(s): Baynes Sound **Contact:** Kenny S.

TSK Serial #: 7131 **RBR serial #:** 79108

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

Date: 23 June 2016	Station: BS14	Time: BO 20:53	**LOCAL** 13:53
Net Event # 6	CTD # 5		
Latitude: 49° 31.0831 N (deg / min.dec)		Longitude: 124° 48.6771 W (deg / min.dec)	
Wire out: 37	Wire angle: Ø	Bottom Depth: 47	
Net Type: SCOR	Tow Type: VNH		
Flow start 15052	Flow end 15055	Flow = frozen	
		Non-flow = pickled	

Notes: TSK did not seem to spin

Date: 23 Jun 2016	Station: BS8	Time: 2326	**LOCAL** 1626
Net Event # 12	CTD # 10		
Latitude: 49° 34.1741 N (deg / min.dec)		Longitude: 124° 51.5545 W (deg / min.dec)	
Wire out: 37	Wire angle: Ø	Bottom Depth: 43	
Net Type: SCOR	Tow Type: VNH		
Flow start 15058	Flow end 15275	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 23 June 2016	Station: BS2	Time: 0139	**LOCAL** 1839
Net Event # 17	CTD # 15		
Latitude: 49° 38.4303 N (deg / min.dec)		Longitude: 124° 53.6890 W (deg / min.dec)	
Wire out:	Wire angle: Ø	Bottom Depth: 35 m	
Net Type: SCOR	Tow Type: VNH		
Flow start 15275	Flow end 15460	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 23 Jun 2016	Station: BS5	Time: 1654	**LOCAL** 0954
Net Event # 28	CTD # 22		
Latitude: 49° 35.8397 N (deg / min.dec)		Longitude: 124° 51.5757 W (deg / min.dec)	
Wire out: 37	Wire angle: Ø	Bottom Depth: 43	
Net Type: SCOR	Tow Type: VNH		
Flow start 15460	Flow end 15682	Flow = frozen	
		Non-flow = pickled	

Notes:

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Cruise #: 2016-47 **Vessel:** Vector **Page:** 2

Project(s): Baynes Sound **Contact:** Kenny S

TSK Serial #: 7131 **RBR serial #:** 7910B

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

Date: 24 Jun 2016	Station: BS 11	Time: 1944	**LOCAL** 1244
Net Event # 33	CTD # 35		
Latitude: 49° 32.1597 N (deg / min.dec)		Longitude: 124° 50.5020 W (deg / min.dec)	
Wire out:	Wire angle: 0	Bottom Depth: 42	
Net Type: SCOR	Tow Type: VNH		
Flow start 15682	Flow end 15911	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 25 Jun 2016	Station: BS 17	Time: 1512	**LOCAL** 0812
Net Event # 43	CTD # 45		
Latitude: 49° 28.9639 N (deg / min.dec)		Longitude: 124° 46.1417 W (deg / min.dec)	
Wire out: 46	Wire angle: 0	Bottom Depth: 51	
Net Type: SCOR	Tow Type: VNH		
Flow start 15991	Flow end 16209	Flow = frozen	
		Non-flow = pickled	

Notes: slow at beginning of upcast (~0.5 m/s) - new winchman straight up & down

Date: 25 Jun 2016	Station: BS 20	Time: 1720	**LOCAL** 1020
Net Event # 50	CTD # 52		
Latitude: 49° 28.330 N (deg / min.dec)		Longitude: 124° 44.814 W (deg / min.dec)	
Wire out: 34	Wire angle: 0	Bottom Depth: 39	
Net Type: SCOR	Tow Type: VNH		
Flow start 16209	Flow end 16402	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 25 Jun 206	Station: BS 23	Time: 2013	**LOCAL** 1313
Net Event # 57	CTD # 58		
Latitude: 49° 27.771 N (deg / min.dec)		Longitude: 124° 39.890 W (deg / min.dec)	
Wire out: 50	Wire angle: 0	Bottom Depth: 55	
Net Type: SCOR	Tow Type: VNH		
Flow start 16572	Flow end 16859	Flow = frozen	
		Non-flow = pickled	

Notes:

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Cruise #: 2016-46 **Vessel:** Vector **Page:** 3

Project(s): Baynes Snd **Contact:** Kenny S

TSK Serial #: 7131 **RBR serial #:** 79108

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

Date: 25 Jun 2016	Station: BS22	Time: 1906	**LOCAL** 1206
Net Event # 54	CTD # 55		
Latitude: 49° 28.242 N (deg / min.dec)		Longitude: 124° 41.642 W (deg / min.dec)	
Wire out: 35	Wire angle: 0	Bottom Depth: 40	
Net Type: SCOR	Tow Type: VNH		
Flow start 16402	Flow end 16572	Flow = frozen	
		Non-flow = pickled	

Notes: Done before BS23, didn't fill out data sheet on time.

Date: 25 Jun 2016	Station: BS29	Time: 0032	**LOCAL** 1532
Net Event # 61	CTD # 63		
Latitude: 49° 24.684 N (deg / min.dec)		Longitude: 124° 34.948 W (deg / min.dec)	
Wire out: 47	Wire angle: 0	Bottom Depth: 52	
Net Type: SCOR	Tow Type: VNH		
Flow start 16859	Flow end 17128	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 25 Jun 2016	Station: BS40	Time: 0047	**LOCAL** 1747
Net Event # 65	CTD # 67		
Latitude: 49° 27.161 N (deg / min.dec)		Longitude: 124° 28.413 W (deg / min.dec)	
Wire out: 330	Wire angle: 6 see notes	Bottom Depth: 340	
Net Type: SCOR	Tow Type: VNH		
Flow start 17128	Flow end 19280	Flow = frozen	
		Non-flow = pickled	

Notes:
- Captain started sounder may be a little inaccurate at this depth ↳10m off bottom
- Ship was fighting a strong current. Inboard lead for much of the downcast.
- Cable running along hull for first 150m or so
- Straight up/down for bottom portion of downcast.

Date: 26 Jun 2016	Station: BS33	Time: 1543	**LOCAL** 0843
Net Event # 68	CTD # 70		
Latitude: 49° 30.512 N (deg / min.dec)		Longitude: 124° 42.819 W (deg / min.dec)	
Wire out: 52	Wire angle: 0	Bottom Depth: 57	
Net Type: SCOR	Tow Type: VNH		
Flow start 19280	Flow end 19498	Flow = frozen	
		Non-flow = pickled	

Notes:

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Cruise #: 2016-46 **Vessel:** Vector **Page:** 4

Project(s): Baynes Sound **Contact:** Kenny S

TSK Serial #: 7131 **RBR serial #:** 79108

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

Date: 26 Jun 2016	Station: BS32	Time: 1908	**LOCAL** 1208
Net Event # 71	CTD # 73		
Latitude: 49° 33.514 N (deg / min.dec)		Longitude: 124° 44.401 W (deg / min.dec)	
Wire out: 39	Wire angle: 0	Bottom Depth: 44	
Net Type: SCOR	Tow Type: VNH		
Flow start 19498	Flow end 19749	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 26 Jun 2016	Station: BS 31	Time: 2047	**LOCAL** 1347
Net Event # 74	CTD # 92		
Latitude: 49° 37.482 N (deg / min.dec)		Longitude: 124° 46.799 W (deg / min.dec)	
Wire out: 37	Wire angle: 0	Bottom Depth: 42	
Net Type: SCOR	Tow Type: VNH		
Flow start 19749	Flow end 19959	Flow = frozen	
		Non-flow = pickled	

Notes: may have written CTD# 76 on jar label. This is incorrect

Date: 26 Jun 2016	Station: BS26	Time: 2132	**LOCAL** 1432
Net Event # 76	CTD # 93		
Latitude: 49° 38.088 N (deg / min.dec)		Longitude: 124° 49.815 W (deg / min.dec)	
Wire out: 46	Wire angle: 0	Bottom Depth: 51	
Net Type: SCOR	Tow Type: VNH		
Flow start 19959	Flow end 20240	Flow = frozen	
		Non-flow = pickled	

Notes: coordinates taken from Ozi Explorer

Date: 26 Jun 2016	Station: BS25	Time: 2152	**LOCAL** 1452
Net Event # 78	CTD # 80		
Latitude: 49° 38.940 N (deg / min.dec)		Longitude: 124° 50.775 W (deg / min.dec)	
Wire out: 40	Wire angle: 0	Bottom Depth: 45	
Net Type: SCOR	Tow Type: VNH		
Flow start 20240	Flow end 20408	Flow = frozen	
		Non-flow = pickled	

Notes:
Straight up/down

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Cruise #: 2016-46 **Vessel:** Vector **Page:** 5

Project(s): Baynes Sound **Contact:** Kenny S

TSK Serial #: 7131 **RBR serial #:** 79108

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

Date: 26 Jun 2016	Station: BS24	Time: 2246	**LOCAL** 1546
Net Event # 81	CTD # 94		
Latitude: 49° 39.832 N (deg / min.dec)		Longitude: 124° 51.175 W (deg / min.dec)	
Wire out: 46	Wire angle: 0	Bottom Depth: 51	
Net Type: SCOR	Tow Type: VNH		
Flow start 20408	Flow end 20688	Flow = frozen	
		Non-flow = pickled	

Notes: straight ↑↓

Date: 26 June 2016	Station: BS35	Time: 2334	**LOCAL** 1634
Net Event # 83	CTD # 95/96		
Latitude: 49°41.882 N (deg / min.dec)		Longitude: 124° 47.469 W (deg / min.dec)	
Wire out: 114	Wire angle: 0	Bottom Depth: 119	
Net Type: SCOR	Tow Type: VNH		
Flow start 20688	Flow end 21372	Flow = frozen	
		Non-flow = pickled	

Notes: straight ↑↓

Date: 26 June 2016	Station: BS36	Time: 0042	**LOCAL** 1742
Net Event # 85	CTD # 97		
Latitude: 49° 38.814 N (deg / min.dec)		Longitude: 124° 43.101 W (deg / min.dec)	
Wire out: 130	Wire angle: 0	Bottom Depth: 135	
Net Type: SCOR	Tow Type: VNH		
Flow start 21372	Flow end 22149	Flow = frozen	
		Non-flow = pickled	

Notes: straight ↑↓

Date: 26 Jun 2016	Station: BS37	Time: 0140	**LOCAL** 1840
Net Event # 87	CTD # 101		
Latitude: 49° 35.963 N (deg / min.dec)		Longitude: 124° 39.187 W (deg / min.dec)	
Wire out: 153	Wire angle: 0	Bottom Depth: 158	
Net Type: SCOR	Tow Type: VNH		
Flow start 22149	Flow end 23035	Flow = frozen	
		Non-flow = pickled	

Notes: bottom time may be inaccurate

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Project(s): Baynes Sound **Contact:** Kenny S

TSK Serial #: 7131 **RBR serial #:** 79108

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

Date: 27 Jun 2016	Station: BS 34		Time: 1454	**LOCAL**	0754
Net Event # 91	CTD # 89				
Latitude: 49° 27.318 N (deg / min.dec)		Longitude: 124° 35.173 W (deg / min.dec)			
Wire out: 169	Wire angle: 0		Bottom Depth: 174		
Net Type: SCOR	Tow Type: VNH				
Flow start 23035	Flow end 23968		Flow = frozen		
			Non-flow = pickled		

Notes: straight ↑↓

Date: 28 Jun 2016	Station: BS 39		Time: 1412	**LOCAL**	0712
Net Event # 98	CTD # 100				
Latitude: 49° 30.492 N (deg / min.dec)		Longitude: 124° 29.609 W (deg / min.dec)			
Wire out: 165	Wire angle: see below		Bottom Depth: 170		
Net Type: SCOR	Tow Type: VNH				
Flow start 23968	Flow end 25150		Flow = frozen		
			Non-flow = pickled		

Notes: ~ 5-10° forward lead when at 165m
- major outward lead on upcast.

Date: 28 Jun 2016	Station: BS 38		Time: 2057	**LOCAL**	1357
Net Event # 102	CTD # 104				
Latitude: 49° 34.208 N (deg / min.dec)		Longitude: 124° 34.888 W (deg / min.dec)			
Wire out: 171	Wire angle: 0		Bottom Depth: 176		
Net Type: SCOR	Tow Type: VNH				
Flow start 25150	Flow end 26179		Flow = frozen		
			Non-flow = pickled		

Notes: missed bottom time and location. Time is estimate and location is beginning. Very little movement of ship during deployment

Date:	Station:		Time:	**LOCAL**	
Net Event #	CTD #				
Latitude: N (deg / min.dec)		Longitude: W (deg / min.dec)			
Wire out:	Wire angle:		Bottom Depth:		
Net Type:	Tow Type:				
Flow start	Flow end		Flow = frozen		
			Non-flow = pickled		

Notes: