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

Plankton Net Tow Log Sheet

Cruise #: 2016-09 **Vessel:** Solander **Page:** 01

Project(s): PSF **Contact:** Kelly Young

TSK Serial #: 7132 **RBR serial #:** 79110

Time offset = + 8 **hrs = UTC (please record local time for samples)**

Date: Feb 23/2016	Station: CPF1		Time: 1240	**LOCAL**
Net Event # 2	CTD # 1			
Latitude: 49 deg	21.98 min.dec	N	Longitude: 124 deg	05.01 min.dec W
Wire out: 235	Wire angle: 0		Bottom Depth: 245	
Net Type: SCOR	Tow Type: VNH ~~SCOR~~			
Flow start	Flow end		Flow = frozen	
38420	39551		Non-flow = pickled	

Notes:

Date: Feb23/2016	Station: CPF2		Time: 14:50	**LOCAL**
Net Event # 4	CTD # 3			
Latitude: 49° deg	27.58' min.dec	N	Longitude: 124° deg	30.16' min.dec W
Wire out: 315	Wire angle: 0		Bottom Depth: 325	
Net Type: SCOR	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
39551	41587		Non-flow = pickled	

Notes:

Date: Feb23/2016	Station: BS-11		Time: 16:00	**LOCAL**
Net Event # 6	CTD # 5			
Latitude: 49° deg	29.12 min.dec	N	Longitude: 124° deg	46.19 min.dec W
Wire out: 48	Wire angle: 5		Bottom Depth: 58	
Net Type: SCOR	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
41587	41883		Non-flow = pickled	

Notes:

Date: Feb24/16	Station: 11		Time: 816	**LOCAL**
Net Event # 9	CTD # 7			
Latitude: 49 deg	42.35 min.dec	N	Longitude: 124 deg	43.72 min.dec W
Wire out: 280	Wire angle: 0		Bottom Depth: 290	
Net Type: SCOR	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
41883	43653		Non-flow = pickled	

Notes:

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Cruise #: 2016-09 **Vessel:** Salacia **Page:** 2

Project(s): PSF Salacia **Contact:** Kelly Young

TSK Serial #: 7132 **RBR serial #:** 79110

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

Date: Feb 24/16	Station: 22		Time: 1146		**LOCAL**
Net Event # 11	CTD # 10				
Latitude: 49 deg	40.07 min.dec	N	Longitude: 124 deg	16.11 min.dec	W
Wire out: 343	Wire angle: 0		Bottom Depth: 353		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
43633	45543		Non-flow = pickled		

Notes: Noticed large pressure wave when net came to surface. Weight ropes severly twisted so binding in on net. Could not untwist because of memory in rope. Replaced w other net, transferred TSK + RBR, cod end so all the same. No twist on weight line.

Date: Feb 24/16	Station: 24		Time: 1333		**LOCAL**
Net Event # 13	CTD # 12				
Latitude: 49° deg	30.39 min.dec	N	Longitude: 124° deg	05.99 min.dec	W
Wire out: 415	Wire angle:		Bottom Depth: 425		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
45600	48356		Non-flow = pickled		

Notes: Did not notice as large pressure wave with new net set up. Big improvement.

Date: Feb 24/16	Station: 28		Time: 1513		**LOCAL**
Net Event # 15	CTD # 14				
Latitude: 49 deg	24.12 min.dec	N	Longitude: 123 deg	45.32 min.dec	W
Wire out: 124	Wire angle: 0		Bottom Depth: 134		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
48358	48954		Non-flow = pickled		

Notes:

Date: Feb 24/16	Station: G201		Time: 1654		**LOCAL**
Net Event # 19	CTD # 17				
Latitude: 49 deg	15.12 min.dec	N	Longitude: 123 deg	44.98 min.dec	W
Wire out: 390	Wire angle: 0		Bottom Depth: 400		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
48954	51506		Non-flow = pickled		

Notes:

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Cruise #: 2016-09 **Vessel:** Salacia **Page:** 3

Project(s): PSF Salacia **Contact:** Kelly Young

TSK Serial #: 7132 **RBR serial #:** 79118

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

Date: Feb 25/16	Station: GEO1		Time: 7 59	**LOCAL**	
Net Event # 21	CTD # 20				
Latitude: 49 deg	14.92 min.dec	N	Longitude: 123 deg	44.74 min.dec	W
Wire out: 136	Wire angle: 5		Bottom Depth: 146		
Net Type: SCOR	Tow Type:				
Flow start	Flow end		Flow = frozen		
51506	52540		Non-flow = pickled		

Notes: Thought we were @ Stn 40 but actually @ GEO1 so not a full water column sample. May not be valid. Actual GEO1 sampled on Feb 24/16

Date: Feb 25/16	Station: 40		Time: 906	**LOCAL**	
Net Event # 23	CTD # 22				
Latitude: 49° deg	8.54 min.dec	N	Longitude: 123 deg	36.74 min.dec	W
Wire out: 136	Wire angle: 2°		Bottom Depth: 146		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
52540	~~53315~~ 53318		Non-flow = pickled		

Notes:

Date: Feb 25/16	Station: 38		Time: 10:33	**LOCAL**	
Net Event # 25	CTD # 24				
Latitude: 49 deg	11.86 min.dec	N	Longitude: 123 deg	26.17 min.dec	W
Wire out: 290	Wire angle: 0		Bottom Depth: 300		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
53318	55281		Non-flow = pickled		

Notes: * Problems with winch motor on up cast. Motor would slow down then suddenly come to full stop & wouldn't start again. Eventually would start up. Batteries @ 77-85% charge so not the problem. Sample suspect!!

Date: Feb 25/16	Station: 59		Time: 16 24	**LOCAL**	
Net Event # 27	CTD # 26				
Latitude: 48 deg	38.27 min.dec	N	Longitude: 123 deg	14.61 min.dec	W
Wire out: 215	Wire angle: 0		Bottom Depth: 225		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
55279	56592		Non-flow = pickled		

Notes:

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Cruise #: 2016-09 **Vessel:** Salacia **Page:** 4

Project(s): PSF Salacia **Contact:** Kelly Young

TSK Serial #: 7132 **RBR serial #:**

Time offset = + 8 **hrs = UTC (please record local time for samples)**

Date: Feb 26/2016	Station: 46		Time: 1026	**LOCAL**	
Net Event # 29	CTD # 28				
Latitude: 48 deg	51 32 min.dec	N	Longitude: 123 deg	10.73 min.dec	W
Wire out: 166	Wire angle: 0		Bottom Depth: 176		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
56592	57574		Non-flow = pickled		

Notes:

Date: Feb 26/16	Station: 41		Time: 1308	**LOCAL**	
Net Event # 32	CTD # 30				
Latitude: 49 deg	3.11 min.dec	N	Longitude: 123 deg	22.37 min.dec	W
Wire out: 235	Wire angle: 0		Bottom Depth: 245		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
57574	59148		Non-flow = pickled		

Notes: Label in jar has final flow 58148 + should be 59148.

Date: Feb27/2016	Station: G1-01		Time: 844	**LOCAL**	
Net Event # 34	CTD # 33				
Latitude: 48° deg	45.75 min.dec	N	Longitude: 123° deg	20.48 min.dec	W
Wire out: 55	Wire angle: 0		Bottom Depth: 65		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
59148	59501		Non-flow = pickled		

Notes:

Date: Feb27/2016	Station: SC04		Time: 936	**LOCAL**	
Net Event # 37	CTD # 35				
Latitude: 48 deg	43.52 min.dec	N	Longitude: 123 deg	24.93 min.dec	W
Wire out: 80	Wire angle: ~~3~~ 0°		Bottom Depth: 90		
Net Type: SCOR	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
59501	60038		Non-flow = pickled		

Notes:

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Cruise #: 2016-09 **Vessel:** Salacia **Page:** 5

Project(s): PSF Salacia **Contact:** Kelly Young

TSK Serial #: 7132 **RBR serial #:** 79110

Time offset = + 8 **hrs = UTC** (please record local time for samples)

Date: Feb 27/16	Station: CRG 2	Time: 1100	LOCAL
Net Event # 40	CTD # 37		
Latitude: 48 (deg) 44 23 (min.dec) N	Longitude: 123 (deg) 34.43 (min.dec) W		
Wire out: 55	Wire angle: 0	Bottom Depth: 65	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
60038	60378	Non-flow = pickled	

Notes:

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

Notes: