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

Plankton Net Tow Log Sheet

Cruise #: 2019-007 **Vessel:** Nucaligus **Page:** 1

Project(s): SoG **Contact:** Kelly

TSK Serial #: 7057 **RBR serial #:** 081

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

Date: 4 Mar 2019	Station: GEO1		Time: 12:41	LOCAL
Net Event # 2	CTD # 1			
Latitude: 49 15.004 N (deg / min.dec)		Longitude: 123 45.428 W (deg / min.dec)		
Wire out: 390	Wire angle: 0		Bottom Depth: 400	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen ½ sing fract, ½ eton for UBC > for all stations	
60960	63110		Non-flow = pickled + Matt Limhe picked	

Notes: Matt picked 8 LIMHE SØ

Date: 5 Mar 2019	Station: BS-11		Time: 07:53	LOCAL
Net Event # 8	CTD # 5			
Latitude: 49 28.989 N (deg / min.dec)		Longitude: 124 45.805 W (deg / min.dec)		
Wire out: 63	Wire angle: 3		Bottom Depth: 62	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
63110	63292		Non-flow = pickled	

Notes: Matt picked 8 Limhe SØ

Date: 5 Mar 2019	Station: CF2		Time: 9:18	LOCAL
Net Event # 11	CTD # 9			
Latitude: 49 27.996 N (deg / min.dec)		Longitude: 124 29.986 W (deg / min.dec)		
Wire out: 323	Wire angle: 0		Bottom Depth: 333	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
63293	65075		Non-flow = pickled	

Notes: Matt picked 12 LIMHE SØ
scraped hull on retrieval. Blue paintchips in sample

Date: 5 Mar	Station: 11		Time: 14:31	LOCAL
Net Event # 23	CTD # 20			
Latitude: 49 42.386 N (deg / min.dec)		Longitude: 124 43.430 W (deg / min.dec)		
Wire out: 296	Wire angle: 0		Bottom Depth: 306	
Net Type: Bongo	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
65075	66715		Non-flow = pickled	

Notes: 1 pas pa F
Matt picked 58 LIMHE SØ

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Cruise #: 2019-007 **Vessel:** Neocaligus **Page:** 2

Project(s): SOG **Contact:** Kelly

TSK Serial #: 7057 **RBR serial #:** 81

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

Date: 6 Mar 2019	Station: 22		Time: 9:10	LOCAL
Net Event # 31	CTD # 27			
Latitude: 49 deg 40.191 min.dec N		Longitude: 124 deg 16.289 min.dec W		
Wire out: 343	Wire angle: 0		Bottom Depth: 353	
Net Type: Bongo	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
66715	68400		Non-flow = pickled	

Notes: Brown sample - phyto Matt removed ~~10~~ 20 Limhe - SØ

Date: 6 Mar 2019	Station: IS-2		Time: 10:16	LOCAL
Net Event # 33	CTD # 32			
Latitude: 49 deg 38.190 min.dec N		Longitude: 124 deg 4.997 min.dec W		
Wire out: 23	Wire angle: 0		Bottom Depth: 28.	
Net Type: Bongo	Tow Type: VNH			
Flow start	Flow end		Flow = frozen ~~EtOH for IOS~~	
68400	68545		Non-flow = pickled	

Notes: Matt picked 1 LIMHE SØ

Date: 6 Mar 2019	Station: 24		Time: 11:37	LOCAL
Net Event # 36	CTD # 34			
Latitude: 49 deg 30.291 min.dec N		Longitude: 124 deg 5.985 min.dec W		
Wire out: 421	Wire angle: Ø		Bottom Depth: 431	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
68545	70686 76		Non-flow = pickled	

Notes: Matt picked Limhe, wind blew them away (probably about 20 of them, SØ)

Date: 6 Mar 2019	Station: CPF1		Time: 13:29	LOCAL
Net Event # 42	CTD # 39			
Latitude: 49 deg 21.995 min.dec N		Longitude: 124 deg 4.987 min.dec W		
Wire out: 239	Wire angle: Ø		Bottom Depth: 249	
Net Type: B	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
70683	72059		Non-flow = pickled	

Notes: Matt picked 16 LIMHE SØ

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Plankton Net Tow Log Sheet

Cruise #: 2019-07 **Vessel:** Neocaligus **Page:** 3

Project(s): SoG **Contact:** Kelly

TSK Serial #: 7057 **RBR serial #:** 81

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

Date: 6 Mar 2019	Station: 28	Time: 15:11	LOCAL
Net Event # 46	CTD # 43		
Latitude: 49 24.097 N (deg / min.dec)	Longitude: 123 45.297 W (deg / min.dec)		
Wire out: 128	Wire angle: 0	Bottom Depth: 138	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
72059	72835	Non-flow = pickled	

Notes: Sat @ around 1-2m on retrieval to avoid scraping hull
Matt picked 8 LIMHE SØ

Date: 7 Mar 2019	Station: 40	Time: 08:46	LOCAL
Net Event # 50	CTD # 49		
Latitude: 49 8.601 N (deg / min.dec)	Longitude: 123 36.807 W (deg / min.dec)		
Wire out: ~~145~~ 140	Wire angle: 15	Bottom Depth: 155	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = ~~frozen~~ ETOH for IOS	
72850	73889	Non-flow = pickled	

Notes: High wire angle on retrieval (30-45)
Matt picked 6 LIMHE SØ

Date: 7 Mar 2019	Station: 38	Time: 10:22	LOCAL
Net Event # 55	CTD # 53		
Latitude: 49° 12.008 N (deg / min.dec)	Longitude: 123° 26.372 W (deg / min.dec)		
Wire out: 302	Wire angle: 0	Bottom Depth: 312	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
73889	75509	Non-flow = pickled	

Notes: Matt picked 16 LIMHE SØ
- net stopped at ~3m for ~15 seconds on way up

Date: 7 Mar 2019	Station: 41	Time: 12:29	LOCAL
Net Event # 60	CTD # 57		
Latitude: 49 3.312 N (deg / min.dec)	Longitude: 123 22.258 W (deg / min.dec)		
Wire out: 235	Wire angle: 5	Bottom Depth: 245	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
75568	76882	Non-flow = pickled	

Notes: Matt picked 12 LIMHE

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Plankton Net Tow Log Sheet

Cruise #: 201907 **Vessel:** Neocaligus **Page:** 4

Project(s): SOG **Contact:**

TSK Serial #: 7057 **RBR serial #:** 01

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

Date: 7 Mar 2019	Station: 46		Time: 15:02		LOCAL
Net Event # 66	CTD # 63				
Latitude: 48 deg	51.422 min.dec	N	Longitude: 123 deg	10.806 min.dec	W
Wire out: 172	Wire angle: 10		Bottom Depth: 192		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
76888	78002		Non-flow = pickled		

Notes:

Date: 8 Mar 2019	Station: 59		Time: 08:59		LOCAL
Net Event # 74	CTD # 70				
Latitude: 48 deg	36.946 min.dec	N	Longitude: 123 deg	15.016 min.dec	W
Wire out: 224 + 25	Wire angle: 40		Bottom Depth: 234 → 240		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
78003	79535		Non-flow = pickled		

Notes: High wire angle whole cast

Date: 8 Mar 2019	Station: QI-01		Time: 10:27		LOCAL
Net Event # 76	CTD # 75				
Latitude: 48 deg	45.848 min.dec	N	Longitude: 123 deg	20.517 min.dec	W
Wire out: 63	Wire angle: 15		Bottom Depth: 68		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen EtOH ~~for~~ IOS		
79535	79914		Non-flow = pickled		

Notes:

Date: 8 Mar 2019	Station: SC-04		Time: 11:08		LOCAL
Net Event # 80	CTD # 77				
Latitude: 48 deg	43.508 min.dec	N	Longitude: 123 deg	25.886 min.dec	W
Wire out: 79	Wire angle: 0		Bottom Depth: 89		
Net Type: B	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
79915	80378		Non-flow = pickled		

Notes:

Plankton Net Tow Log Sheet

IOS
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Cruise #: 2019-07 **Vessel:** Neocaligus **Page:** 5

Project(s): SoG **Contact:** Kelly

TSK Serial #: 7057 **RBR serial #:** 81

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

Date: 8 Mar 2019	Station: CBE 2	Time: 12:09 **LOCAL**
Net Event # 82	CTD # 81	
Latitude: 48 (deg) 44.217 (min.dec) N	Longitude: 123 (deg) 34.433 (min.dec) W	
Wire out: 57	Wire angle: 5	Bottom Depth: 67
Net Type: B	Tow Type: JNH	
Flow start	Flow end	Flow = frozen
80380	80703	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:

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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: 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:

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: