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

Plankton Net Tow Log Sheet

Cruise #: 2021-022 **Vessel:** JP Tully **Page:** 1
Project(s): SoG **Contact:** Kelly
TSK Serial #: 7129 **RBR serial #:** silver
Time offset = + 7 **hrs = UTC** (please record local time for samples)

Date: 5 Oct 2021	Station: 59	Time: 2209 **LOCAL**
Net Event # ~~3~~ 5	CTD # ~~3~~ 6	
Latitude: 48 37.555 N (deg / min.dec)	Longitude: 123 14.335 W (deg / min.dec)	
Wire out: 225	Wire angle: 0	Bottom Depth: 235
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen ~~EtOH~~
27648	29160	Non-flow = pickled

Notes: 1 side into EtOH event # wrong on labels

Date: 6 Oct 2021	Station: 72	Time: 1630 **LOCAL**
Net Event # 15	CTD # 16	
Latitude: 48 18.543 N (deg / min.dec)	Longitude: 124 04.134 W (deg / min.dec)	
Wire out: 178	Wire angle: 30	Bottom Depth: 188
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = ~~frozen~~ ~~EtOH~~
29160	30870	Non-flow = pickled

Notes: 1 side into EtOH

Date: 7 Oct 2021	Station: 63	Time: 0546 **LOCAL**
Net Event # 33	CTD # 34	
Latitude: 48° 14.603 N (deg / min.dec)	Longitude: 122° 58.648 W (deg / min.dec)	
Wire out: 150	Wire angle: 25°	Bottom Depth: 154
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end 3	Flow = ~~frozen~~ ~~EtOH~~
30870	32495	Non-flow = pickled

Notes: 1 side into EtOH let out 6m extra due to wire angle

Date: 7 Oct 2021	Station: 46	Time: 2253 **LOCAL**
Net Event # 51	CTD # 52	
Latitude: 48 51.333 N (deg / min.dec)	Longitude: 123 10.652 W (deg / min.dec)	
Wire out: ~~3~~ 165	Wire angle: 0	Bottom Depth: 175
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = ~~frozen~~ ~~EtOH~~
33997	34995	Non-flow = pickled

Notes: * 1st cast let out 265 m, came up muddy. Redid after washing out net + cod ends

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Cruise #: 2021-022 **Vessel:** JP Tully **Page:** 2

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

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

Date: 08 OCT 2021	Station: 42		Time: 0244	**LOCAL**
Net Event # 55	CTD # 56			
Latitude: 49° 01.796 N (deg / min.dec)		Longitude: 123° 26.680 W (deg / min.dec)		
Wire out: 312	Wire angle: 0		Bottom Depth: 322	
Net Type: BONGO	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
34995	36878		Non-flow = pickled	PICKLES are green
Notes: 1 side in EtOH				

Date: 08 OCT 2021	Station: 38		Time: 0702	**LOCAL**
Net Event # 61	CTD # 60			
Latitude: 49° 11.937 N (deg / min.dec)		Longitude: 123° 26.439 W (deg / min.dec)		
Wire out: 300	Wire angle: 10		Bottom Depth: 310	
Net Type: BONGO	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
36878	38940		Non-flow = pickled	
Notes:				

Date: 08 OCT 2021	Station: 40		Time: 0932	**LOCAL**
Net Event # 65	CTD # 64			
Latitude: 49° 8.8532 N (deg / min.dec)		Longitude: 123° 36.651 W (deg / min.dec)		
Wire out: 150	Wire angle: 0		Bottom Depth: 160	
Net Type: BONGO	Tow Type: VNH			
Flow start	Flow end		Flow = frozen	
38940	39825		Non-flow = pickled	
Notes:				

Date: 08 OCT 2021	Station: GE01		Time: 1057	**LOCAL**
Net Event # 66	CTD # 67			
Latitude: 49° 14.799 N (deg / min.dec)		Longitude: 123° 44.663 W (deg / min.dec)		
Wire out: 390	Wire angle: ~10°		Bottom Depth: 400	
Net Type: BONGO	Tow Type: VNH			
Flow start	Flow end		Flow = ~~frozen~~ EtOH	
39825	42282		Non-flow = pickled	
Notes:				

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Cruise #: 2021-022 **Vessel:** JP Tully **Page:** 3

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

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

Date: 8 Oct 2021	Station: 29		Time: 1519	**LOCAL**	
Net Event # 72	CTD # 73				
Latitude: 49 deg 24.115 min.dec N	Longitude: 123 deg 45.342 min.dec W				
Wire out: 124	Wire angle: 25		Bottom Depth: 134		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
42281	43165		Non-flow = pickled		

Notes:

Date: 8 Oct 21	Station: 24		Time: 1736	**LOCAL**	
Net Event # 74	CTD # 75		124 06.176		
Latitude: 49 deg 30.254 min.dec N	Longitude: 124 deg 06.176 min.dec W				
Wire out: 417	Wire angle: 10		Bottom Depth: 427		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
43165	45612		Non-flow = pickled		

Notes: rem 1 Paspa from pickled

Date: 8 Oct 21	Station: CPF1		Time: 2052	**LOCAL**	
Net Event # 78	CTD # 79				
Latitude: 49 deg 22.046 min.dec N	Longitude: 124 deg 05.013 min.dec W				
Wire out: 235	Wire angle: 0		Bottom Depth: 245		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
45612	47097		Non-flow = pickled		

Notes: rem 2 Paspa from frozen

Date: 9 OCT 21	Station: CPF2		Time: 0201	**LOCAL**	
Net Event # 85	CTD # 84				
Latitude: 49° deg 27.864 min.dec N	Longitude: 124° deg 29.622 min.dec W				
Wire out: 315	Wire angle: 5		Bottom Depth: 325		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
47098	49202		Non-flow = pickled		

Notes:

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Cruise #: 2021-022 **Vessel:** TULLY **Page:** 4

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

TSK Serial #: 7129 **RBR serial #:** silver

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

Date: 09 OCT 2021	Station: 12		Time: 0840	LOCAL	
Net Event # 93	CTD # 94				
Latitude: 49° 43.579 N		Longitude: 124° 41.042 W			
deg min.dec		deg min.dec			
Wire out: 345	Wire angle: <5°		Bottom Depth: 355		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
49202	51868		Non-flow = pickled		

Notes:

Date: 09OCT2021	Station: 14		Time: 1207	LOCAL	
Net Event # 97	CTD # 98				
Latitude: 49 53.003 N		Longitude: 124 59.551 W			
deg min.dec		deg min.dec			
Wire out: 305	Wire angle: 15		Bottom Depth: 315		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
51870	54320		Non-flow = pickled		

Notes: windy + swells

Date: 9 Oct 2021	Station: QU39		Time: 1527	LOCAL	
Net Event # 100	CTD # 101				
Latitude: 50 01.822 N		Longitude: 125 05.886 W			
deg min.dec		deg min.dec			
Wire out: 263	Wire angle: 5		Bottom Depth: 273		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
54335	56120		Non-flow = pickled		

Notes: 30 kn + winds

Date: 10 OCT 2021	Station: 22		Time: 0254	LOCAL	
Net Event # 108	CTD # 109				
Latitude: 49° 40.552 N		Longitude: 124° 16.733 W			
deg min.dec		deg min.dec			
Wire out: 360	Wire angle: 25		Bottom Depth: 355		
Net Type: BONGO	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
56228	58092		Non-flow = pickled		

Notes: 1 side in EtOH

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Cruise #: 2021-022 **Vessel:** Tully **Page:** 5
Project(s): SoG **Contact:** Kelly
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Time offset = + 7 **hrs = UTC (please record local time for samples)**

Date: 10 Oct 2021	Station: GI-01		Time: 1247	**LOCAL**	
Net Event # 110	CTD # 111				
Latitude: 48 deg	45.851 min.dec	N	Longitude: 123 deg	20.518 min.dec	W
Wire out: 56	Wire angle: 5		Bottom Depth: 66		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
58691	59055		Non-flow = pickled		

Notes:

Date: 10 OCT 2021	Station: SC04		Time: 1336	**LOCAL**	
Net Event # 112	CTD # 113				
Latitude: 48 deg	43.497 min.dec	N	Longitude: 123 deg	24.896 min.dec	W
Wire out: 80	Wire angle: 0		Bottom Depth: 90		
Net Type: Bongo	Tow Type: VNH				
Flow start	Flow end		Flow = frozen		
59055	59578		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: