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Sidney, B.C., Canada

Plankton Net Tow Log Sheet

Cruise #: 2022-015 **Vessel:** Franklin **Page:** 1

Project(s): La Perouse Lite **Contact:** J Nelson

TSK Serial #: 3702 **RBR serial #:** 79108

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

Date: 5-3-22	Station: LC04	Time: 0446	LOCAL
~~Net~~ Event # 7	CTD #		
Latitude: 48 43 482 N (deg / min.dec)		Longitude: 125 40.728 W (deg / min.dec)	
Wire out: 153	Wire angle: 5	Bottom Depth: 161	
Net Type: b	Tow Type: vert		
Flow start 64600	Flow end 65630	Flow = frozen ✓	
		Non-flow = pickled ✓	

Notes:

Date: 5-3-22	Station: LG02	Time: 2135	LOCAL
Net Event # 10	CTD # 12		
Latitude: 49 18.75 N (deg / min.dec)		Longitude: 126 38.126 W (deg / min.dec)	
Wire out: 88	Wire angle: 5	Bottom Depth: 95	
Net Type: b	Tow Type: vert		
Flow start 65630	Flow end 65660 ??	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 5-3-22	Station: LG02	Time: 2135	LOCAL
Net Event # 11	CTD # 12		
Latitude: 49 18.781 N (deg / min.dec)		Longitude: 126 38.117 W (deg / min.dec)	
Wire out: 88	Wire angle: ~5	Bottom Depth: 95	
Net Type: b	Tow Type: vert		
Flow start 65607	Flow end 66840 ? 65840 ?	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: 5-3-22	Station: LG04	Time: 2346	LOCAL
Net Event # 14	CTD # 15		
Latitude: 49 11.[illegible]333 N (deg / min.dec)		Longitude: 126 49.265 W (deg / min.dec)	
Wire out: 135	Wire angle: 5	Bottom Depth: 141	
Net Type: b	Tow Type: v		
Flow start 65640	Flow end 66930	Flow = frozen	
		Non-flow = pickled	

Notes:

LG02, LG04 uncertainty re flow meter

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Cruise #: 2022-15 **Vessel:** Franklin **Page:** 2

Project(s): La Perouse - F **Contact:** J Nelson

TSK Serial #: 3702 **RBR serial #:** 79108

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

Date: 5-4-22	Station: LG06	Time: 0327	LOCAL
Net Event # 18	CTD # 17		
Latitude: 49 03 800 N (deg, min.dec)		Longitude: 127 00.836 W (deg, min.dec)	
Wire out: 250	Wire angle: 18°	Bottom Depth: 979	
Net Type: b	Tow Type: V		
Flow start 66930	Flow end 68460	Flow = frozen	
		Non-flow = pickled	

Notes: windy, wire jumped sheave on decent

Date: 5-4-22	Station: LC05	Time: 2124	LOCAL
Net Event # 20	CTD # 21		
Latitude: 48 39.930 N (deg, min.dec)		Longitude: 125 47.370 W (deg, min.dec)	
Wire out: 52	Wire angle: 10	Bottom Depth: 59	
Net Type: b	Tow Type: V		
Flow start	Flow end	Flow = frozen	
68460	68830	Non-flow = pickled	

Notes:

Date: 5-4-22	Station: LC06	Time: 2237	LOCAL
Net Event # 22	CTD # 23		
Latitude: 48 36.484 N (deg, min.dec)		Longitude: 125 53.948 W (deg, min.dec)	
Wire out: 90	Wire angle: 5	Bottom Depth: 87	
Net Type: b	Tow Type: V		
Flow start	Flow end	Flow = frozen	
68830	69520	Non-flow = pickled	

Notes:

Date: 5-5-22	Station: LC08	Time: 0049	LOCAL
Net Event # 25	CTD # 26		
Latitude: 48 29.380 N (deg, min.dec)		Longitude: 126 07.138 W (deg, min.dec)	
Wire out: 190	Wire angle: 5	Bottom Depth: 192	
Net Type: b	Tow Type: V		
Flow start	Flow end	Flow = frozen	
69520	71350	Non-flow = pickled	

Notes:

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Cruise #: 2022-15 **Vessel:** **Page:** 3

Project(s): La Perouse-f **Contact:** J. Nelson

TSK Serial #: 3702 **RBR serial #:** 79108

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

Date: 5-5-22	Station: A2		Time: 0213	LOCAL
Net Event # 27	CTD # 28			
Latitude: 48 22.622 N		Longitude: 126 03.835W		
deg min.dec		deg min.dec		
Wire out: 250	Wire angle: [redacted]5		Bottom Depth: 358	
Net Type: b	Tow Type: v			
Flow start	Flow end		Flow = frozen	
~~71350~~			Non-flow = pickled	

Notes: 71350 71580 ← (flow meter was not spinning on retrieval)

Date: 5-5-22	Station: LC09		Time: 0340	LOCAL
Net Event # 29	CTD # 30			
Latitude: 48 25.953 N		Longitude: 126 13.606 W		
deg min.dec		deg min.dec		
Wire out: 250	Wire angle: [redacted]5°		Bottom Depth: 600	
Net Type: b	Tow Type: v			
Flow start	Flow end		Flow = frozen	
71580	72350		Non-flow = pickled	

Notes:

Date: 5-5-22	Station: LD02		Time: 2335	LOCAL
Net Event # 33	CTD # 34			
Latitude: 48 58.376 N		Longitude: 125 47.057 W		
deg min.dec		deg min.dec		
Wire out: 31	Wire angle: -		Bottom Depth: 38	
Net Type: b	Tow Type: v			
Flow start	Flow end		Flow = frozen	
72350	72470		Non-flow = pickled	

Notes:

Date: 5-5-22	Station: LD04		Time: 0819	LOCAL
Net Event # 36	CTD # 37			
Latitude: 48 53.125 N		Longitude: 125 57.056 W		
deg min.dec		deg min.dec		
Wire out: 52	Wire angle: 5°		Bottom Depth: 59	
Net Type: b	Tow Type: v			
Flow start	Flow end		Flow = frozen	
72470	72660		Non-flow = pickled	

Notes:

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Cruise #: 2022-015 **Vessel:** Franklin **Page:** 4

Project(s): La Perouse-f **Contact:** JN

TSK Serial #: 3702 **RBR serial #:** 79108

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

Date: 5-6-22	Station: LD07	Time: ~~0408~~ 0408 LOCAL
Net Event # 40	CTD # 41	
Latitude: 48 42.690 N (deg / min.dec)	Longitude: 126 16.818 W (deg / min.dec)	
Wire out: 250	Wire angle: 0	Bottom Depth: 477
Net Type: 6	Tow Type: ✓	
Flow start 74060	Flow end 75730	Flow = frozen
72660	73080	Non-flow = pickled

Notes:

Date: 5-6-22	Station: LG07	Time: 1928 LOCAL
Net Event # 44	CTD # 45	
Latitude: 48 59.3780 N (deg / min.dec)	Longitude: 127 07.1920 W (deg / min.dec)	
Wire out: 250	Wire angle: ~ 2°	Bottom Depth: 1770
Net Type: 5	Tow Type: ✓	
Flow start	Flow end	Flow = frozen
74060	75730	Non-flow = pickled

Notes:

Date: 5-6-22	Station: LG09	Time: 2338 LOCAL
Net Event # 47	CTD # 48	
Latitude: 48 51.150 N (deg / min.dec)	Longitude: 127 19.385 W (deg / min.dec)	
Wire out: 250	Wire angle: 10°	Bottom Depth: 2062
Net Type: 5	Tow Type: ✓	
Flow start	Flow end	Flow = frozen
78100	80430	Non-flow = pickled

Notes: no time for 1000 m tow :(v. windy ↑ waves

Date: 5-7-22	Station: LD07	Time: 1904 LOCAL
Net Event # 49	CTD # 50	
Latitude: 48 51.138 N (deg / min.dec)	Longitude: 127 16.794 W (deg / min.dec)	
Wire out: 250	Wire angle: 5°	Bottom Depth: 503
Net Type: 6	Tow Type: ✓	
Flow start	Flow end	Flow = frozen
80430	82190	Non-flow = pickled

Notes:

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Cruise #: 2022-015 **Vessel:** Franklin **Page:** 5

Project(s): La Perouse-f **Contact:** J Nelson

TSK Serial #: 3202 **RBR serial #:** 79108

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

Date: 5-7-22	Station: LD10	Time: 2320 **LOCAL**
Net Event # ~~56~~ 53	CTD # ~~57~~	
Latitude: 48 32.232 N (deg / min.dec)	Longitude: 126 36.578 W (deg / min.dec)	
Wire out: 250	Wire angle: 0	Bottom Depth: 1475
Net Type: 6	Tow Type: V	
Flow start	Flow end	Flow = frozen
82190	83160	Non-flow = pickled

Notes:

Date: 5-~~8~~-22	Station: LC10	Time: ~~23~~ 0217 **LOCAL**
Net Event # 56	CTD # 57	
Latitude: 48 22,390 N (deg / min.dec)	Longitude: 126 20,256 W (deg / min.dec)	
Wire out: 250	Wire angle: ~~45~~ 15	Bottom Depth: 1245
Net Type: 6	Tow Type: V	
Flow start	Flow end	Flow = frozen
82190	83160	Non-flow = pickled

Notes:

Date: 5-~~8~~-22	Station: LC10	Time: 0343 **LOCAL**
Net Event # 58	CTD # 57	
Latitude: 48 21,980 N (deg / min.dec)	Longitude: 126 19.985 W (deg / min.dec)	
Wire out: 250	Wire angle: 10°	Bottom Depth: 1251
Net Type: 6	Tow Type: V	
Flow start	Flow end	Flow = frozen UVic
83160	86820	Non-flow = ~~pickled~~ 95% etoh

Notes: bongo for genetics + UVic
5-9-22

Date: ~~5-8-22~~	Station: E1	Time: 0025 **LOCAL**
Net Event # 63	CTD # 64	
Latitude: 48 31.630 N (deg / min.dec)	Longitude: 125 03.740 W (deg / min.dec)	
Wire out: 98	Wire angle: 10°	Bottom Depth: 105
Net Type: 6	Tow Type: V	
Flow start	Flow end	Flow = frozen
86720	86910	Non-flow = pickled

Notes:

Same net been writing 236 but is labeled as 250

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Cruise #: 2022-015 **Vessel:** **Page:** 6

Project(s): La Perouse-f **Contact:** JN

TSK Serial #: 3702 **RBR serial #:** 79108

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

Date: 5-9-22	Station: C2		Time: 0140	LOCAL	
Net Event # 65	CTD # 66				
Latitude: 48 26.204 N		Longitude: 125 09.353 W			
deg	min.dec	deg	min.dec		
Wire out: 149	Wire angle: 0		Bottom Depth: 156		
Net Type: b	Tow Type: ✓				
Flow start	Flow end		Flow = frozen		
86910	87660		Non-flow = pickled		

Notes:

Date: 5-9-22	Station: C1		Time: 0241	LOCAL	
Net Event # 67	CTD # 68				
Latitude: 48 28.880 N		Longitude: 125 15.413 W			
deg	min.dec	deg	min.dec		
Wire out: 142	Wire angle: 7		Bottom Depth: 149		
Net Type: b	Tow Type: ✓				
Flow start	Flow end		Flow = frozen		
87660	88690		Non-flow = pickled		

Notes:

Date: 5-9-22	Station: ~~B0~~ B8		Time: 1921	LOCAL	
Net Event #	CTD #				
Latitude: 48 34.420 N		Longitude: 125 30.016 W			
deg	min.dec	deg	min.dec		
Wire out: 105	Wire angle: 2°		Bottom Depth: ~~N/A~~ 132		
Net Type: b	Tow Type: ✓				
Flow start	Flow end		Flow = frozen		
89460	89700		Non-flow = pickled		

Notes: First net had shell and alligator fish-hit bottom? odd because depth was increasing during cast - issue ~~w~~ w/ sounder?

Date: 5-9-22	Station: B7		Time: 2019	LOCAL	
Net Event # 74	CTD # 75				
Latitude: 48 32.014 N		Longitude: 125 35.496 W			
deg	min.dec	deg	min.dec		
Wire out: 65	Wire angle: 5°		Bottom Depth: 75		
Net Type: b	Tow Type: ✓				
Flow start	Flow end		Flow = frozen		
89700	90210		Non-flow = pickled		

Notes:

~30% spilled + lost of pickled sample.

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Cruise #: 2022-015 **Vessel:** Franklin **Page:** 7

Project(s): La Perouse **Contact:** J. Nelson

TSK Serial #: 3702 **RBR serial #:** 79108

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

Date: 5-9-22	Station: LB14	Time: 1128	**LOCAL**
Net Event # 76	CTD # 76		
Latitude: 48 (deg) 09.525N (min.dec)		Longitude: 126 (deg) 00.017 W (min.dec)	
Wire out: 250	Wire angle: 5	Bottom Depth: 1175	
Net Type:	Tow Type:		
Flow start	Flow end	Flow = frozen	
90540	92160	Non-flow = pickled	

Notes: large clear - shrimp-like creature put into EtOH

5-10-22 all samples spiked w ~10 mL addnl EtOH although volume of plankton did not exceed 30%. Jars concaved about presentum

Date: 5-10-22	Station: LB14	Time: 0432	**LOCAL**
Net Event # 78	CTD # 77		
Latitude: 48 (deg) 08.551 N (min.dec)		Longitude: 126 (deg) 59.854 W (min.dec)	
Wire out: 190	Wire angle: 0	Bottom Depth: 1172	
Net Type: b	Tow Type: ✓		
Flow start	Flow end	Flow = frozen	
92160	98200	Non-flow = pickled	

Notes: 1000 m tow

Date: 5-10-22	Station: LB11	Time: 0432	**LOCAL**
Net Event # 81	CTD # 82		
Latitude: 48 (deg) 15.294 N (min.dec)		Longitude: 125 (deg) 47.79 W (min.dec)	
Wire out: 190	Wire angle: 0	Bottom Depth: 200	
Net Type: b	Tow Type: ✓		
Flow start	Flow end	Flow = frozen	
98200	99340	Non-flow = pickled	

Notes:

Date: 5-10	Station: C3	Time: 1938	**LOCAL**
Net Event # 83	CTD # 83		
Latitude: 48 (deg) 23.445 N (min.dec)		Longitude: 125 (deg) 20.286 W (min.dec)	
Wire out: 108	Wire angle: 10	Bottom Depth: 118	
Net Type: b	Tow Type: ✓		
Flow start	Flow end	Flow = frozen	
99540	00420	Non-flow = pickled	

Notes:

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Cruise #: 2022-015 **Vessel:** **Page:** 8

Project(s): La Perouse-Fraser **Contact:** JN

TSK Serial #: 3702 **RBR serial #:** 79108

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

Date: 5-10-22	Station: LB08	Time: 1934	LOCAL
Net Event # 88	CTD # 89		
Latitude: 48 25.347 N (deg min.dec)		Longitude: 125 28.541 W (deg min.dec)	
Wire out: 125	Wire angle: 5	Bottom Depth: 135	
Net Type: 6	Tow Type: V		
Flow start	Flow end	Flow = frozen	
00420	01230	Non-flow = pickled	

Notes:

Date: 5-11-22	Station: LB07	Time: 0104	LOCAL
Net Event # 90	CTD # 91		
Latitude: 48 28.732 N (deg min.dec)		Longitude: 125 22.09 W (deg min.dec)	
Wire out: 141	Wire angle: 5	Bottom Depth: 151	
Net Type: 6	Tow Type: V		
Flow start	Flow end	Flow = frozen	
1230	2150	Non-flow = pickled	

Notes:

Date: 5-11-22	Station: JF2	Time: 2203	LOCAL
Net Event # 93	CTD # 94		
Latitude: 48 17.941 N (deg min.dec)		Longitude: 123 00.027 W (deg min.dec)	
Wire out: 173	Wire angle: 10	Bottom Depth: 183	
Net Type: 6	Tow Type: V		
Flow start	Flow end	Flow = frozen	
2150	3350	Non-flow = pickled	

Notes: Jellies removed + moved to seperate jar for pickled sample

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: