



Plankton Net Tow Log Sheet

Cruise #: 2022-067 Vessel: Franklin Page: 1

Project(s): Contact: Henry

TSK Serial #: 4966 RBR serial #: 79110

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

Date: 27 July 2022	Station: 60C1	Time: 16:16	LOCAL
Net Event # 121	CTD # 122		
Latitude: 50° 49.076 N	Longitude: 127° 25.363 W		
deg min.dec	deg min.dec		
Wire out: 207 m	Wire angle: 0°	Bottom Depth: 226 m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
30283	31525	Non-flow = pickled	

Notes: upcast done @ 0.5 m/s by mistake

Date: 28 July 2022	Station: QCS3M	Time: 11:27	LOCAL
Net Event # 134	CTD # 135		
Latitude: 50° 47.006 N	Longitude: 127° 11.301 W		
deg min.dec	deg min.dec		
Wire out: 161	Wire angle: 0°	Bottom Depth: 171 m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
31525	31544	Non-flow = pickled	

Notes: TSK didn't seem to spin. Shaft & ethanol sample has separated from gear on 2nd dial. Information sample - flow meter side.

Date: 28 July	Station: QCS2	Time: 18:41	LOCAL
Net Event # 136	CTD # 137		
Latitude: 50° 44.406 N	Longitude: 127° 02.302 W		
deg min.dec	deg min.dec		
Wire out: 123	Wire angle: 0°	Bottom Depth: 133	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
37545	38315	Non-flow = pickled	

Notes: TSK still not functioning. Repair is pending.
(Looks like the TSK might have worked ok)

Date: 28 July 2022	Station: QCS7	Time: 15:13	LOCAL
Net Event # 140	CTD # 141		
Latitude: 50° 51.816 N	Longitude: 127° 16.199 W		
deg min.dec	deg min.dec		
Wire out: 124	Wire angle: 5°	Bottom Depth: 134	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
23414	23414	Non-flow = pickled	

Notes: TSK repaired, but repair did not work. Investigation ongoing.
tried soldering gear back onto shaft and seems to be holding and spinning freely when testing in lab. Removed again, checked it over and re-mounted to net.



Plankton Net Tow Log Sheet

Cruise #: 2022-067 Vessel: Franklin Page: 2

Project(s): Kitimat Fjords Contact: Hauke

TSK Serial #: 4966 RBR serial #: 79110

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

Date: July 28 2022	Station: LBA-2	Time: 17:08	LOCAL
Net Event # 142	CTD # 143		
Latitude: 50 deg	53.858 min.dec N	Longitude: 127° 38.355 W	
Wire out: 121°	Wire angle: 0°	Bottom Depth: 131	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
76845	77670	Non-flow = pickled	

Notes: - tow cancelled; cool ends slid up line
- tied cool ends directly to weight and successfully redeployed for #144

Date: July 28 2022	Station: LBA-2	Time: 17:58	LOCAL
Net Event # 144	CTD # 143		
Latitude: 50° deg	53.672 min.dec N	Longitude: 127° 38.672 W	
Wire out: 431	Wire angle: 5°	Bottom Depth: 454	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
77670	79383	Non-flow = pickled	

Notes: successful re-cast of #142

Date: July 28, 2022	Station: CPE1	Time: 19:38	LOCAL
Net Event # 146	CTD # 145		
Latitude: 50° deg	59.948 min.dec N	Longitude: 129° 50.002 W	
Wire out: 136	Wire angle: 0°	Bottom Depth: 146	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
79383	80270	Non-flow = pickled	

Notes:

Date: July 29, 2022	Station: QUAD _m	Time: 7:13	LOCAL
Net Event # 147	CTD # 148		
Latitude: 50° deg	18.379 min.dec N	Longitude: 128° 14.638 W	
Wire out: 208 _m	Wire angle: 10°	Bottom Depth: 218 _m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
80207	81585	Non-flow = pickled	

Notes: Removed 3 jellies 2x from flow } same
1x from non-flow }
L> Ask Kenny for photos. I believe they
are Mitrocoma





Plankton Net Tow Log Sheet

Cruise #: 2022-067 Vessel: Franklin Page: 3

Project(s): Kilmal Fjords Contact: Hauke

TSK Serial #: 4966 RBR serial #: 79110

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

Date: 29 July 2022	Station: QVAL	Time: 9:54	LOCAL
Net Event # 151	CTD # 152		
Latitude: 50° 27.898 N	Longitude: 127° 56.947 W		
deg min.dec	deg min.dec		
Wire out: 218	Wire angle: 0°	Bottom Depth: 228	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
81585	81699	Non-flow = pickled	

Notes: Flow meter may have stopped spinning on the upcast. Checked reading twice and came up with same flow end.

Date: July 29 2022	Station: 14061	Time: 4:28	LOCAL
Net Event # 166	CTD # 167		
Latitude: 50° 33.891 N	Longitude: 127° 33.605 W		
deg min.dec	deg min.dec		
Wire out: 119	Wire angle: 0°	Bottom Depth: 129	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
81699	81699	Non-flow = pickled	

Notes: TSK no spin again. Spilled most of sample in sink. Salvaged what I could. Added ~10 ml formalin.

Date: 30 July 2022	Station: RV3	Time: 08:55	LOCAL
Net Event # 174	CTD # 175		
Latitude: 50° 35.031 N	Longitude: 127° 26.106 W		
deg min.dec	deg min.dec		
Wire out: 55	Wire angle: 0°	Bottom Depth: 65	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
81411	81411	Non-flow = pickled	

Notes: TSK, no spin. Lots of phyto and gooseberries. Discarded non-flow sample. Spilled most of red-end on deck while removing.

Date: 30 July 2022	Station: NESa	Time: 11:19	LOCAL
Net Event # 177	CTD # 178		
Latitude: 50° 26.947 N	Longitude: 127° 31.555 W		
deg min.dec	deg min.dec		
Wire out: 183	Wire angle: 0°	Bottom Depth: 193	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
81422	82552	Non-flow = pickled	

Notes: The flap holding the impeller was slightly bent. I bent it back and the TSK spun. Maybe coincidence?



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Cruise #: 2022-067 Vessel: Franklin Page: 4

Project(s): Kitimat Fjords Contact: Hauke

TSK Serial #: 4966 RBR serial #: 79110

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

Date: 30 July 2022 Station: NE1 Time: 1320 LOCAL

Net Event # 182 CTD # 183

Latitude: 50 21.662 N Longitude: 127 26.517 W
deg min.dec deg min.dec

Wire out: 45 Wire angle: 0 Bottom Depth: 55

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

82552 82838 Non-flow = pickled discarded

Notes: Large jelly in net (Flow side), Lots of phytoplankton, sample not salvageable after attempted jelly removal.

Lion's Mane

Date: 31 July 2022 Station: N500 Time: 07:07 LOCAL

Net Event # 186 CTD # 187

Latitude: 49 35.363 N Longitude: 126 37.211 W
deg min.dec deg min.dec

Wire out: 84 Wire angle: 0° Bottom Depth: 94

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

82338 83370 Non-flow = pickled

Notes: lots of small jellies. I may have seen some doliolids.

Date: July 31 2022 Station: N505 Time: 09:00 LOCAL

Net Event # 192 CTD # 193

Latitude: 49 39.098 N Longitude: 126 28.597 W
deg min.dec deg min.dec

Wire out: 253 Wire angle: 0° Bottom Depth: 263

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

83370 84934 Non-flow = pickled

Notes: non-flow = taxonomy
Flow = DNA - 2 shrimp

Date: 31 July 2022 Station: MoBI Time: 10:47 LOCAL

Net Event # 196 CTD # 197

Latitude: 49 38.767 N Longitude: 126 27.101 W
deg min.dec deg min.dec

Wire out: 164 Wire angle: 0 Bottom Depth: 174

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

84934 85986 Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-067 Vessel: Franklin Page: 5

Project(s): Kikimat Fjords Contact: Hauke

TSK Serial #: 4966 RBR serial #: 79110

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

Date: 31 July 2022	Station: MU3	Time: 1303	LOCAL
Net Event # 202	CTD # 203		
Latitude: 48° 38.608 N	Longitude: 126° 19.245 W		
deg min.dec	deg min.dec		
Wire out: 278	Wire angle: 0°	Bottom Depth: 288	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen ✓	
85986	87731	Non-flow = pickled ✓	

Notes: Removed one small fish from flow = frozen bucket. Preserved in ethanol.

Date: 31 July 2022	Station: MU1	Time: 14:12	LOCAL
Net Event # 205	CTD # 206		
Latitude: 49 38.819 N	Longitude: 126 16.228 W		
deg min.dec	deg min.dec		
Wire out: 319m	Wire angle: 0°	Bottom Depth: 329m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen ✓	
87731	89733	Non-flow = pickled ✓	

Notes:

Date: 31 July 2022	Station: NS03	Time: 16:40	LOCAL
Net Event # 207	CTD # 208		
Latitude: 49 38.770 N	Longitude: 126 36.077 W		
deg min.dec	deg min.dec		
Wire out: 155m	Wire angle: 0°	Bottom Depth: 165	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen ✓	
89733	90720	Non-flow = pickled ✓	

Notes:

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

Notes: