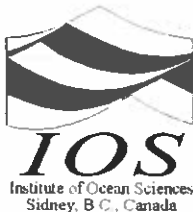


*Please Record position + time @ BOTTOM (start of upcast)



Plankton Net Tow Log Sheet

Cruise #: 2020-083 Vessel: JP Tully Page: 1

Project(s): MORGANS Contact: MOIRA

TSK Serial #: 7132 RBR serial #: 79108

Time offset = +

hrs = UTC (please record local time for samples)

Date: 08-10-20 Station: HEC1 Time: 0359 **LOCAL**

Net Event # 13 CTD # 12

Latitude: 52 49.275 N Longitude: 129 50.395 W
deg min.dec deg min.dec

Wire out: 107 Wire angle: 0 Bottom Depth: 117

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

76383 77063 Non-flow = pickled

Notes:

ETOH SAMPLE

Date: 09-10-20 Station: SC69 Time: 0912 **LOCAL**

Net Event # 16 CTD # 17

Latitude: 53 04.63 N Longitude: 129 19.20 W
deg min.dec deg min.dec

Wire out: Wire angle: Bottom Depth:

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

77070 81827 Non-flow = pickled

Notes:

ETOH SAMPLE

Date: 10/10/2020 Station: HEC54 Time: 0313 **LOCAL**

Net Event # 35 CTD # 34

Latitude: 53 48.343 N Longitude: 130 49.207 W
deg min.dec deg min.dec

Wire out: 100 Wire angle: 10 Bottom Depth: 110

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

81827 82690 Non-flow = pickled

Notes:

Date: 10-10-20 Station: HEC58 Time: 0816 **LOCAL**

Net Event # 39 CTD # 40

Latitude: 54 23.16 N Longitude: 131 56.8 W
deg min.dec deg min.dec

Wire out: 110 Wire angle: 110 Bottom Depth: 121

Net Type: Bongo Tow Type: VNH

Flow start Flow end Flow = frozen

82688 83634 Non-flow = pickled

Notes:

ETOH SAMPLE N 2SHL OF FLOWMETER SIDE DOUBLE DECANTED



Plankton Net Tow Log Sheet

Cruise #: 2020083 Vessel: JPTOLY Page: 2

Project(s): MONITORING Contact: MOIRA

TSK Serial #: 7132 RBR serial #: 79108

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

Date: 10.10.20	Station: CH03	Time: 12061835 LOCAL
Net Event # 41	CTD # 42	
Latitude: 54 41.26 N	Longitude: 130 55.29 W	
deg min.dec	deg min.dec	
Wire out: 524	Wire angle: 5	Bottom Depth: 524
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
		Non-flow = pickled

Notes: 573 TO START

ETOH SAMPLE

Date: 11 Oct 2020	Station: CH16	Time: 0345 LOCAL
Net Event # 59	CTD # 58	
Latitude: 54 19.924 N	Longitude: 130 37.33 W	
deg min.dec	deg min.dec	
Wire out: 210	Wire angle: 0	Bottom Depth: 220
Net Type:	Tow Type: Bongo VNH	
Flow start	Flow end	Flow = frozen
87956	89336	Non-flow = pickled

Notes:

Date: 11 Oct 2020	Station: PI1	Time: 2128 LOCAL
Net Event # 76	CTD # 75	
Latitude: 54 40.582 N	Longitude: 130 28.503 W	
deg min.dec	deg min.dec	
Wire out: 503	Wire angle: 0	Bottom Depth: 508
Net Type: Bongo	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
89338	90428	Non-flow = pickled

Notes:

ETOH SAMPLE

Date: 12.10.20	Station: OB5	Time: 09:46 LOCAL
Net Event # 92	CTD # 93	
Latitude: 55 17.344 N	Longitude: 129 48.033 W	
deg min.dec	deg min.dec	
Wire out: 543	Wire angle: 5	Bottom Depth: 548
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
92608	96078	Non-flow = pickled

Notes:

ETOH SAMPLE



Plankton Net Tow Log Sheet

Cruise #: 2020-083 Vessel: JP Tully Page: 3

Project(s): Mooring Contact: Moira

TSK Serial #: 7132 RBR serial #: 79108

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

Date: Oct. 13, 2020	Station: VP46E	Time: 1827	LOCAL
Net Event # 122	CTD # 121		
Latitude: 53 32.888 N	Longitude: 129 00.042 W		
deg min.dec	deg min.dec		
Wire out: 246	Wire angle: 7	Bottom Depth: 251	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
96078	97588	Non-flow = pickled	

Notes:

Date: 13 Oct 2020	Station: VP39C	Time: 2212	LOCAL
Net Event # 130	CTD # 129		
Latitude: 53 32.210 N	Longitude: 129 1.606 W		
deg min.dec	deg min.dec		
Wire out: 67	Wire angle: 10	Bottom Depth: 72	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97588	98025	Non-flow = pickled	

Notes:

Date: 14.10.20	Station: G051	Time: 1820	LOCAL
Net Event # 146	CTD # 145		
Latitude: 53 28.36 N	Longitude: 128 18.99 W		
deg min.dec	deg min.dec		
Wire out: 450	Wire angle: 0	Bottom Depth: 456	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
98025	855	Non-flow = pickled	

Notes: STARTED @ 446 DRIFTED TO 456

Date: 15.10.20	Station: DOUG12	Time: 1950	LOCAL
Net Event # 189	CTD # 188		
Latitude: 53 48.175 N	Longitude: 128 50.395 W		
deg min.dec	deg min.dec		
Wire out: 349	Wire angle: 0	Bottom Depth: 354	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
00852	03020	Non-flow = pickled	

Notes: RELEASE 1 BEROE ABYSSICOLA 17CM



Plankton Net Tow Log Sheet

Cruise #: 2020083 Vessel: JP TULLY Page: 4

Project(s): Mooring Contact: MOIRA

TSK Serial #: RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 16 Oct 2020	Station: D0545	Time: 8:23	LOCAL
Net Event # 208	CTD # 207		
Latitude: 53 22.300 N	Longitude: 129 11.756 W		
deg min.dec	deg min.dec		
Wire out: 456	Wire angle: 0	Bottom Depth: 461	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
3030	5782	Non-flow = pickled	

Notes:

ETOH SAMPLE

Date: 17 Oct 2020	Station: JPS7	Time: 0454	LOCAL
Net Event # 234	CTD # 233		
Latitude: 52° 33.879' N	Longitude: 131° 5.933' W		
deg min.dec	deg min.dec		
Wire out: 129m	Wire angle: 15°	Bottom Depth: 134m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
5786	6961	Non-flow = pickled	

Notes:

Date: 17 Oct 2020	Station: JPS4	Time: 0810	LOCAL
Net Event # 238	CTD # 237		
Latitude: 52 31.085 N	Longitude: 131 23.64 W		
deg min.dec	deg min.dec		
Wire out: 358	Wire angle: 0	Bottom Depth: 363	
Net Type: Bongo	Tow Type: VNA		
Flow start	Flow end	Flow = frozen	
6960	9178	Non-flow = pickled	

Notes:

Date: 17.10.20	Station: JPS1	Time: 1131	LOCAL
Net Event # 243	CTD # 242		
Latitude: 52 36.92 N	Longitude: 131 46.06 W		
deg min.dec	deg min.dec		
Wire out: 145	Wire angle: 0	Bottom Depth: 150	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
9178	10100	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2020063 Vessel: JPTOLL Page: 5

Project(s): MOORING Contact: MOIRA

TSK Serial #: RBR serial #:

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

Date: 17.10.20	Station: JPN3	Time: 1311	LOCAL
Net Event # 245	CTD # 244		
Latitude: 52 44.37 N	Longitude: 131 47.69 W		
deg min.dec	deg min.dec		
Wire out: 164	Wire angle: 0	Bottom Depth: 164	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
10100	11102	Non-flow = pickled	

Notes: WINCH (BRUCE) HEARD DAVE SAY BOTTOM IN 164 NOW, CHANGE FROM 145, I SAID STILL GOING TO 140, LINE WENT SLACK AS BRUCE WENT TO 164 → BOTTOM SAMPLE

Date: 17.10.20	Station: JPN1	Time: 2209	LOCAL
Net Event # 262	CTD # 261		
Latitude: 52°39.053' N	Longitude: 131°40.318' W		
deg min.dec	deg min.dec		
Wire out: 65	Wire angle: 0	Bottom Depth: 71m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
11102	11538	Non-flow = pickled	

Notes:

Date: 17 Oct 2020	Station: JPN2	Time: 2359	LOCAL
Net Event # 264	CTD # 263		
Latitude: 52°42.043' N	Longitude: 131°44.845' W		
deg min.dec	deg min.dec		
Wire out: 131m	Wire angle: 0	Bottom Depth: 136m	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
11538	12308	Non-flow = pickled	

Notes:

Date: 18 Oct 2020	Station: LSK1	Time: 0151	LOCAL
Net Event # 267	CTD # 266		
Latitude: 52 49.502 N	Longitude: 131 30.625 W		
deg min.dec	deg min.dec		
Wire out: 142	Wire angle: 30	Bottom Depth: 146	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
12308	13755	Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2020083 Vessel: (PTULY) Page: 6

Project(s): MOORING Contact: MOIRA

TSK Serial #: RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 18.10.20	Station: HAKI	Time: 1809	LOCAL
Net Event # 272	CTD # 271		
Latitude: 51° 42.757 N	Longitude: 128° 14.568 W		
deg min.dec	deg min.dec		
Wire out: 140	Wire angle: 35	Bottom Depth: 140	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
13757	15000	Non-flow = pickled	

Notes:

Date: Oct. 19, 2020	Station: CPE1	Time: 0359	LOCAL
Net Event # 280	CTD # 279		
Latitude: 51° 0.232' N	Longitude: 127° 50.290' W		
deg min.dec	deg min.dec		
Wire out: 139	Wire angle: 5°	Bottom Depth: 144	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
15000	16310	Non-flow = pickled	

Notes: removed 6 jellies frozen size

removed 5 jellies pickled size

Date: 19.10.20	Station: QCS2	Time: 1434	LOCAL
Net Event # 290	CTD # 289		
Latitude: 50 44.462 N	Longitude: -127 2.292 W		
deg min.dec	deg min.dec		
Wire out:	Wire angle:	Bottom Depth: 1384	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
16310	17248	Non-flow = pickled	

Notes:

ETOH SAMPLE

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:

ADJUST LINES FROM CODEEND TO CENTERWEIGHT WINE: SHORTER
+ REPLACE CARBINGER ONE SIDE → NO SPRING