



Plankton Net Tow Log Sheet

Cruise #: 2018-05 Vessel: Vector Page: 1

Project(s): SOG Contact: NINA

TSK Serial #: 7131 RBR serial #: 79110

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

Date: FEB 21/18 Station: 59 Time: 1905 LOCAL

Net Event # 4 CTD # 5

Latitude: 48° 37.799 N Longitude: 123° 14.639 W
deg min.dec deg min.dec

Wire out: 222 Wire angle: 40° Bottom Depth: 232

Net Type: SCOR Tow Type: VNH

Flow start 00317 Flow end 00317 Flow = frozen

Non-flow = pickled

Notes: fluorometer stuck! pen slipped out of moorline
lots of salmon @ surface

Date: 3 FEB 18 Station: 46 Time: 0343 LOCAL

Net Event # CTD # 16

Latitude: 48° 51.125 N Longitude: 123° 10.796 W
deg min.dec deg min.dec

Wire out: 167 Wire angle: 10 Bottom Depth: 172

Net Type: SCOR Tow Type: VNH

Flow start 00319 Flow end 01739 Flow = frozen

Non-flow = pickled

Notes:

Date: 3/Feb/18 Station: 41 Time: 0747 LOCAL

Net Event # 22 CTD # 21

Latitude: 49° 03.329 N Longitude: 123° 22.249 W
deg min.dec deg min.dec

Wire out: 233 Wire angle: VARIAS Bottom Depth: 238

Net Type: SCOR Tow Type: VNH

Flow start 01739 Flow end 03285 Flow = frozen

Non-flow = pickled

Notes: WIRE HITTING SHEP ON ROBERTS
STOPPED @ 20m ONWAY UP.

Date: 3 FEB 2018 Station: 42 Time: 0831 LOCAL

Net Event # 24 CTD # 25

Latitude: 49° 01.790 N Longitude: 123° 26.174 W
deg min.dec deg min.dec

Wire out: 310 Wire angle: <5 Bottom Depth: 321

Net Type: SCOR Tow Type: VNH

Flow start 03285 Flow end Flow = frozen

05080 Non-flow = pickled

Notes: - good wire angle



Plankton Net Tow Log Sheet

Cruise #: 2018-05 Vessel: VECTOR Page: 21
Project(s): SOG Contact: NINA
TSK Serial #: 7131 RBR serial #: 79110

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

Date: Feb 3/18	Station: 38	Time: 14:23	LOCAL
Net Event # 30	CTD # 29		
Latitude: 49 deg	11.951 min.dec N	Longitude: 123 deg	26.406 min.dec W
Wire out: 296	Wire angle: 0	Bottom Depth: 306	
Net Type: SCOR	Tow Type: VNH		
Flow start 05080	Flow end 06880	Flow = frozen	
		Non-flow = pickled	

Notes: flat calm, no Linnacine

Date: 03 FEB 2018	Station: 40	Time: 16 20	LOCAL
Net Event # 33	CTD # 32		
Latitude: 49 deg	8.647 min.dec N	Longitude: 123 deg	36.780 min.dec W
Wire out: 132	Wire angle: 45°	Bottom Depth: 142	
Net Type: SCOR	Tow Type: VNH		
Flow start 06880	Flow end 06880	Flow = frozen	
		Non-flow = pickled	

Notes: flowmeter failed again switching nets,
move RBR over

Date: 03 FEB 2018	Station: GED1	Time: 18 06	LOCAL
Net Event # 35	CTD # 37		
Latitude: 49 deg	15.001 min.dec N	Longitude: 123 deg	44.961 min.dec W
Wire out: 392	Wire angle: 0	Bottom Depth: 402	
Net Type: SCOR	Tow Type: VNH		
Flow start 73422	Flow end 75598	Flow = frozen	
		Non-flow = pickled	

Notes: new TSK: 4926

Date: 03 FEB 2018	Station: GED1	Time: 18 33	LOCAL
Net Event # 36	CTD # 37		
Latitude: 49° 14.988 deg	N	Longitude: 123° 44.966 deg	W
Wire out: 392	Wire angle: 0	Bottom Depth: 402	
Net Type: SCOR	Tow Type: VNH		
Flow start 75598	Flow end 77765	Flow = frozen	
		Non-flow = pickled	

Notes: size-fractionated for HAKA1



Plankton Net Tow Log Sheet

Cruise #: 2018-05 Vessel: VECTOR Page: 3

Project(s): SOG

Contact: NINA

TSK Serial #: 4926

RBR serial #: 79110

Time offset = +

hrs = UTC (please record local time for samples)

Date: 03 FEB 2018	Station: 28	Time: 22:49	LOCAL
Net Event # 44	CTD # 43		
Latitude: 49 deg	24.095 N min.dec	Longitude: 123 45.290 W deg min.dec	
Wire out: 125	Wire angle: 0	Bottom Depth: 135	
Net Type: SCOR	Tow Type: VNH		
Flow start 77765	Flow end 77765	Flow = frozen	
		Non-flow = pickled	

Notes: 2nd flowmeter stuck this cruise!

Date: Feb 4/18	Station: 24	Time: 0107	LOCAL
Net Event # 45	CTD # 46		
Latitude: 49 deg	30.307 N min.dec	Longitude: 124 5.974 W deg min.dec	
Wire out: 410	Wire angle: 45	Bottom Depth: 422	
Net Type: SCOR	Tow Type: VNH		
Flow start 77770	Flow end 80170	Flow = frozen	
		Non-flow = pickled	

Notes:

Date: Feb 4/18	Station: CPF1	Time: 0421	LOCAL
Net Event # 49	CTD # 50		
Latitude: 49 deg	22.017 N min.dec	Longitude: 124 05.110 W deg min.dec	
Wire out: 234	Wire angle: 0	Bottom Depth: 244	
Net Type: SCOR	Tow Type: VNH		
Flow start 80170	Flow end 81575	Flow = frozen	
		Non-flow = pickled	

Notes: Limacina removed for erosion study

Date: Feb 4/18	Station: CPF2	Time: 0929	LOCAL
Net Event # 55	CTD # 54		
Latitude: 49 deg	28.002 N min.dec	Longitude: 124 29.917 W deg min.dec	
Wire out: 310	Wire angle: 5	Bottom Depth: 323	
Net Type: SCOR	Tow Type: VNH		
Flow start 81575	Flow end 83369	Flow = frozen	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2018-05 Vessel: VICTOR Page: 4
Project(s): SCOR Contact: Be Han
TSK Serial #: 4926 RBR serial #: 79110

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

Date: Feb 4 118	Station: BS17	Time: 1053 LOCAL
Net Event # 56	CTD # 57	
Latitude: 49° 28.996 N	Longitude: 124° 45.983 W	
deg min.dec	deg min.dec	
Wire out: 50	Wire angle: 0	Bottom Depth: 60
Net Type: SCOR	Tow Type: BNH	
Flow start	Flow end	Flow = frozen
83369	83653	Non-flow = pickled

Notes:

Date: 04 FEB 2018	Station: 11	Time: 17:13 LOCAL
Net Event # 65	CTD # 64	
Latitude: 49° 42.411 N	Longitude: 124° 43.398 W	
deg min.dec	deg min.dec	
Wire out: 290	Wire angle: 17	Bottom Depth: 300
Net Type: SCOR	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
83653	84065	Non-flow = pickled

Notes: noticed 1" tear in net midway down

Date: 04 FEB 2018	Station: 12	Time: 18:12 LOCAL
Net Event # 66	CTD # 67	
Latitude: 49° 43.578 N	Longitude: 124° 40.773 W	
deg min.dec	deg min.dec	
Wire out: 345	Wire angle:	Bottom Depth: 355
Net Type: SCOR	Tow Type: VNH	
Flow start 06880	Flow end 06982	Flow = frozen
	STUCK AGAIN!	Non-flow = pickled

Notes: no time to silicone tear in net and no needle and thread, back to original net TSK 7131 surface not called ~10m fishing at surface to N-zero 06982

Date: 04 FEB 2018	Station: 14	Time: 21:22 LOCAL
Net Event # 69	CTD # 71	
Latitude: 49° 52.995 N	Longitude: 124° 59.625 W	
deg min.dec	deg min.dec	
Wire out: 305	Wire angle: 45	Bottom Depth: 315
Net Type: SCOR	Tow Type: VNH	
Flow start 06982	Flow end 08701	Flow = frozen
	YAY!	Non-flow = pickled

Notes: used black net silicone on TSK 7131 to secure brake pin on both sides let dry few hours then reattached, patched hole in spare net



Plankton Net Tow Log Sheet

Cruise #: 2018-05 Vessel: VECTOR Page: 5

Project(s): SOG Contact: N/A

TSK Serial #: 7131 RBR serial #: 79110

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

Date: 04 FEB 2018	Station: 14	Time: 21:39	LOCAL
Net Event # 70	CTD # 71		
Latitude: 49 53.011 N	Longitude: 124 59.655 W		
deg min.dec	deg min.dec		
Wire out: 305	Wire angle: 0	Bottom Depth: 315	
Net Type: SCOR	Tow Type: VNH		
Flow start 08701	Flow end 10055	Flow = frozen	
		Non-flow = pickled	

Notes: Size-fractionated for HAKAI

Date: 5 FEB 2018	Station: 22	Time: 1126	LOCAL
Net Event # 84	CTD # 83		
Latitude: 49 40.176 N	Longitude: 124 16.330 W		
deg min.dec	deg min.dec		
Wire out: 343	Wire angle: 0	Bottom Depth: 353	
Net Type: SCOR	Tow Type: VNH		
Flow start 10056	Flow end 12103	Flow = frozen	
		Non-flow = pickled	

Notes: Limacina removed for ROSA

Date: 5 FEB 2018	Station: 22	Time: 1150	LOCAL
Net Event # 85	CTD # 83		
Latitude: 49 40.156 N	Longitude: 124 16.283 W		
deg min.dec	deg min.dec		
Wire out: 343	Wire angle: 0	Bottom Depth: 353	
Net Type: SCOR	Tow Type: VNH		
Flow start 12103	Flow end 13942	Flow = frozen	
		Non-flow = pickled	

Notes: SIZE FRACTIONATION FOR BEAN/KWT

Date: 5 FEB 2018	Station: VAN1	Time: 20:58	LOCAL
Net Event # 94	CTD # 95		
Latitude: 49 18.903 N	Longitude: 123 15.886 W		
deg min.dec	deg min.dec		
Wire out: 105	Wire angle: 0	Bottom Depth: 115	
Net Type: SCOR	Tow Type: VNH		
Flow start 13942	Flow end 14590	Flow = frozen	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 208-05 Vessel: VECTOR Page: 6

Project(s): SCOR Contact: NINA

TSK Serial #: 7131 RBR serial #: 79110

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

Date: Feb 6	Station: VAN6	Time: 0928	LOCAL
Net Event # 99	CTD # 100		
Latitude: 49° 17.946 N		Longitude: 122 58.937 W	
deg min.dec		deg min.dec	
Wire out: 51	Wire angle:	Bottom Depth: 61	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end 14878	Flow = frozen	
14589		Non-flow = pickled	

Notes:

Date: 6 Feb 2018	Station: IND4	Time: 1400	LOCAL
Net Event # 103	CTD # 109		
Latitude: 49 23.330 N		Longitude: 122 52.500 W	
deg min.dec		deg min.dec	
Wire out: 211	Wire angle: 0	Bottom Depth: 221	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
14878	15230	Non-flow = pickled	

Notes:

Date: 7 FEB 2018	Station: GI-01	Time: 1739	LOCAL
Net Event # 115	CTD # 116		
Latitude: 48° 45.835 N		Longitude: 123 20.534 W	
deg min.dec		deg min.dec	
Wire out: 55	Wire angle: 0	Bottom Depth: 65	
Net Type: SCOR	Tow Type: VNH		
Flow start 15230	Flow end 15230	Flow = frozen	
	STUCK!	Non-flow = pickled	

Notes:

Date: 7 FEB 2018	Station: SC04	Time: 1820	LOCAL
Net Event # 117	CTD # 118		
Latitude: 48° 43.485 N		Longitude: 123° 25.091 W	
deg min.dec		deg min.dec	
Wire out: 87	Wire angle: ~15-20°	Bottom Depth: 94	
Net Type: SCOR	Tow Type: VNH		
Flow start 15235	Flow end 15769	Flow = frozen	
		Non-flow = pickled	

Notes:

does seem like enough flow!

FEB 2, 2018

STN 59 start 00317
BOT 232 wire out 222

STN 46

ST 00319
FIN 01739 angle = $\sim 10^\circ$
BOT 174 W.O. 169

STN	START	FINISH	BOT	WO	ANGLE
41	01739	03285	238	233	variable on upcast

STN 42 03285 05080 321 310 45°
No Limacing

~~STN 38~~ BOT dept 306
wire out 296 0° angle flat calm
06880 4926 new
↓ TSK
failed again 73422
@ Stn 40

Rite in the Rain.

GED1 BOT 402 WIRE 392
75598 77765

28 BOT 135 wire 125

10.249.56.13 84065

BOT 300 Still w.o 290

Sta 1/2 event 66

TSR 7131.06880

355 BOT 06982

14 07082

BOT 315

w.o 305

08701

14 str 08701 → 10055
305m 0°

Ind 4 14878 → 15230

211m out, 0°

22 W.O 343
13942

VAN 1 115m Bot 105
14590

TSK 7131

VAN 6
ST 14589 FIN 14878

~~ST~~ 61m W.O = 51
W.A = 10° on ascent

GI 01 65m Bot
0° FIN: 15230

SC 04 15769

