



Plankton Net Tow Log Sheet

Cruise #: 2021-020 Vessel: VECTOR Page: 1

Project(s): Sog Contact: NINA

TSK Serial #: 7057 RBR serial #: 79081

Time offset = +

hrs = UTC (please record local time for samples)

Date: 05 APR 21 Station: 63 Time: 0847 LOCAL

Net Event # 3 CTD # 4

Latitude: 48° 14.603 N Longitude: 122° 58.466 W
deg min.dec deg min.dec

Wire out: 141 Wire angle: <5° Bottom Depth: 151

Net Type: SCOR Tow Type: VNH

Flow start 80710 Flow end 81596 Flow = frozen

Non-flow = pickled

Notes: winch problems mean ↓ and ↑ @ ~0.6 m/s
trying to work on increasing

Date: 07 APR 21 Station: 72 Time: 1410 LOCAL

Net Event # 31 CTD # 32

Latitude: 48° 18.993 N Longitude: 124° 03.650 W
deg min.dec deg min.dec

Wire out: 175 Wire angle: 0 Bottom Depth: 185

Net Type: SCOR Tow Type: VNH

Flow start 81596 Flow end 82662 Flow = frozen

Non-flow = pickled

Notes: had to move Stn location 1/2 mile due to lack
of US clearance

Date: 08 APR 21 Station: 59 Time: 0726 LOCAL

Net Event # 35 CTD # 36

Latitude: 48° 37.712 N Longitude: 123° 15.285 W
deg min.dec deg min.dec

Wire out: 195 Wire angle: 30-50° Bottom Depth: 186

Net Type: SCOR Tow Type: VNH

Flow start 82662 Flow end 84245 Flow = frozen

Non-flow = pickled

Notes: big current surface zeroed at ~30-40° then
added 20m more wire out, no US clearance Stn position
changed

Date: 08 APR 21 Station: 46 Time: 1451 LOCAL

Net Event # 45 CTD # 46

Latitude: 48° 51.419 N Longitude: 123° 10.803 W
deg min.dec deg min.dec

Wire out: 170 Wire angle: 0 Bottom Depth: 180

Net Type: SCOR Tow Type: VNH

Flow start 84245 Flow end 85278 Flow = frozen

Non-flow = pickled

Notes: had to use firehose to wash down nets
SUUCKS!



Plankton Net Tow Log Sheet

Cruise #: 2021-020 Vessel: VECTOR Page: 2

Project(s): SOG Contact: NINA

TSK Serial #: 7057 RBR serial #: 79081

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

Date: 08 APR 21 Station: 42 Time: 1816 LOCAL

Net Event # 49 CTD # 50

Latitude: 49° 01.801 N Longitude: 123° 26.351 W
deg min.dec deg min.dec

Wire out: 320 Wire angle: 45° Bottom Depth: 323

Net Type: SCOR Tow Type: VNH

Flow start 85278 Flow end 87428 Flow = frozen

Non-flow = pickled

Notes: let out a bit of extra wire due to angle, lots of PHYTO!

Date: 09 APR 21 Station: IND4 Time: 1220 LOCAL

Net Event # 59 CTD # 60

Latitude: 49° 23.287 N Longitude: 122° 52.503 W
deg min.dec deg min.dec

Wire out: 213 Wire angle: 0 Bottom Depth: 223

Net Type: SCOR Tow Type: VNH

Flow start 87428 Flow end 88600 Flow = frozen

Non-flow = pickled

Notes:

Date: 09 APR 21 Station: VAN6 Time: 1541 LOCAL

Net Event # 64 CTD # 65

Latitude: 49° 17.891 N Longitude: 122° 58.878 W
deg min.dec deg min.dec

Wire out: 58 Wire angle: 0 Bottom Depth: 68

Net Type: SCOR Tow Type: VNH

Flow start 88600 Flow end 88882 Flow = frozen

Non-flow = pickled

Notes: 2 x 500ml jars too much phyto!

Date: 10 April 2021 Station: VAN1 Time: 0829 LOCAL

Net Event # 71 CTD # 72

Latitude: 49° 18.865 N Longitude: 123° 15.982 W
deg min.dec deg min.dec

Wire out: 110 Wire angle: ~20° Bottom Depth: 118

Net Type: SCOR Tow Type: VNH

Flow start 88887 Flow end 89641 Flow = frozen

Non-flow = pickled

Notes: Super windy, marginal conditions
net went under ship stopped 30 secs
on way down 2 jars forgot remnants in bucket



Plankton Net Tow Log Sheet

Cruise #: 2021-020 Vessel: VECTOR Page: 3

Project(s): 509 Contact: NINA

TSK Serial #: 7057 RBR serial #: 79081

Time offset = +

hrs = UTC (please record local time for samples)

Date: 10 APR 2021 Station: 24 Time: 1330 LOCAL

Net Event # 74 CTD # 73

Latitude: 49° 30.514 N Longitude: 124° 06.276 W
deg min.dec deg min.dec

Wire out: 440 Wire angle: 20-30° Bottom Depth: 428

Net Type: SCOR Tow Type: VNH

Flow start 89641 Flow end 92505 Flow = frozen

Non-flow = pickled

Notes: wind + waves, 30 sec stop on way down net drifting inboard

Date: 10 APR 2021 Station: 22 Time: 1506 LOCAL

Net Event # 75 CTD # 76

Latitude: 49° 40.206 N Longitude: 124° 16.323 W
deg min.dec deg min.dec

Wire out: 345 Wire angle: 20-30° Bottom Depth: 354

Net Type: SCOR Tow Type: VNH

Flow start 92505 Flow end 94398 Flow = frozen

Non-flow = pickled

Notes:

Date: 11 APR 2021 Station: J12 Time: 1028 LOCAL

Net Event # 84 CTD # 83

Latitude: 49° 45.811 N Longitude: 124° 14.417 W
deg min.dec deg min.dec

Wire out: 320 Wire angle: 0 Bottom Depth:

Net Type: SCOR Tow Type: VNH

Flow start 94398 Flow end 96055 Flow = frozen

Non-flow = pickled

Notes:

Date: 11 APR 2021 Station: 14 Time: 1556 LOCAL 14:55

Net Event # 87 CTD # 88

Latitude: 49° 52.976 N Longitude: 124° 59.567 W
deg min.dec deg min.dec

Wire out: 303 Wire angle: 0 Bottom Depth: 313

Net Type: SCOR Tow Type: VNH

Flow start 96055 Flow end 97595 Flow = frozen

Non-flow = pickled

Notes:

TOO MUCH PHYTO! 2 x 500ml jugs + 1 250ml
since couldn't fit plank into 2nd jug → split



Plankton Net Tow Log Sheet

Cruise #: 2021-020 Vessel: Vector Page: 4
Project(s): SoG Contact: Nina
TSK Serial #: 7057 RBR serial #: 79081
Time offset = + hrs = UTC (please record local time for samples)

Date: 12 April 2021	Station: 12	Time: 0834	LOCAL
Net Event # 95	CTD # 96		
Latitude: 49° 43.619' N	Longitude: 124° 40.855' W		
deg min.dec	deg min.dec		
Wire out: 347	Wire angle: 0	Bottom Depth: 357	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
97595	99590	Non-flow = pickled	
Notes: 2 jms 1x500, 1x250m			

Date: 12 APR 2021	Station: CPF2	Time: 14:22	LOCAL
Net Event # 101	CTD # 102		
Latitude: 49° 21.995' N	Longitude: 124° 30.017' W		
deg min.dec	deg min.dec		
Wire out: 318	Wire angle: 0	Bottom Depth: 328	
Net Type: SCOR	Tow Type: VNH		
Flow start 99590	Flow end 01152	Flow = frozen	
		Non-flow = pickled	
Notes: 2 jms 1x500, 1x250			

Date: 12 APR 2021	Station: CPF1	Time: 2037	LOCAL
Net Event # 109	CTD # 108		
Latitude: 49° 21.968' N	Longitude: 124° 5.036' W		
deg min.dec	deg min.dec		
Wire out: 240	Wire angle: 0	Bottom Depth: 250	
Net Type: SCOR	Tow Type: VNH		
Flow start 01152	Flow end 02532	Flow = frozen	
		Non-flow = pickled	
Notes:			

Date: 13 APR 2021	Station: 38	Time: 0821	LOCAL
Net Event # 112	CTD # 111		
Latitude: 49° 11.990' N	Longitude: 123° 26.459' W		
deg min.dec	deg min.dec		
Wire out: 301	Wire angle: 0	Bottom Depth: 311	
Net Type: SCOR	Tow Type: VNH		
Flow start 02532	Flow end 04308	Flow = frozen	
		Non-flow = pickled	
Notes:			



Plankton Net Tow Log Sheet

Cruise #: 2021-020 Vessel: VECTOK Page: 5

Project(s): SOG

Contact: NINA

TSK Serial #: 7057

RBR serial #: 79081

Time offset = +

hrs = UTC (please record local time for samples)

Date: 13 APR 2021	Station: 40	Time: 1034	LOCAL
Net Event # 115	CTD # 114		
Latitude: 49° 09.606 N	Longitude: 123° 36.825 W		
deg min.dec	deg min.dec		
Wire out: 139	Wire angle: 0	Bottom Depth: 149	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
04308	05195	Non-flow = pickled	

Notes:

Date: 13 APR 2021	Station: GED1	Time: 13:39	LOCAL
Net Event # 116	CTD # 117		
Latitude: 49° 14.997 N	Longitude: 123° 44.879 W		
deg min.dec	deg min.dec		
Wire out: 393	Wire angle: 0	Bottom Depth: 403	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
05195	07305	Non-flow = pickled	

Notes:

2 x 250ml jars

Date: 13 APR 2021	Station: 28	Time: 1821	LOCAL
Net Event # 123	CTD # 122		
Latitude: 49° 24.063 N	Longitude: 123° 45.195 W		
deg min.dec	deg min.dec		
Wire out: 138	Wire angle: ~10°	Bottom Depth: 138	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
07305	08078	Non-flow = pickled	

Notes:

added a few m due to angle, probably went right to bottom

Date: 14 APR 2021	Station: GIO1	Time: 1509	LOCAL
Net Event # 131	CTD # 130		
Latitude: 48° 45.837 N	Longitude: 123° 20.536 W		
deg min.dec	deg min.dec		
Wire out: 58	Wire angle: 0	Bottom Depth: 68	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
08078	08405	Non-flow = pickled	

Notes:

lots of little jellies



Plankton Net Tow Log Sheet

Cruise #: 2021-020 Vessel: VECTOR Page: 6

Project(s): SOG

Contact: NINA

TSK Serial #: 7057

RBR serial #: 79081

Time offset = +

hrs = UTC (please record local time for samples)

Date: 14 APR 2021	Station: SC04	Time: 1552	LOCAL
Net Event # 132	CTD # 133		
Latitude: 48° 43.512 N		Longitude: 123° 25.016 W	
deg min.dec		deg min.dec	
Wire out: 90	Wire angle: 10-15°	Bottom Depth: 96	
Net Type: SCOR	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
08405	08942	Non-flow = pickled	

Notes:

Date:	Station:	Time:	LOCAL
Net Event #	CTD #		
Latitude:		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:

Date:	Station:	Time:	LOCAL
Net Event #	CTD #		
Latitude:		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:

Date:	Station:	Time:	LOCAL
Net Event #	CTD #		
Latitude:		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:

	DEPTH	START	END
STN 63	141	80710	81596

→ up speed maxed @ 0.6m/s

STN 72	184	81596	82662
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went #31 175 tow depth

STN 59	195 out	82662	84245
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35 30-50°

186 depth

Stn 46 170 wire out

<5°

85278

Stn 42 85278

(323) 313 wire out 87428

depth: 320 ~20°

IND 4 depth 87428 88600

NET 213 wire out

VAN 6 88600 88882

65m

VAN 1 Depth Wire TSK st TSK en Wire

Event 71 114 104 88887 89641 ~20°

stopped for ~30 seconds. Net went under the ship.

Rite in the Rain

	depth	START	END
Stn 24	427	89641	92508

30 sec 440 out 22m extra

stop on way down net under and

< 20-30°

Stn 22 0 L 354 water depth 94398

345 wire out

Stn JT 2 depth

event 84 329 94398 96055

GO 83 wire out 320

Stn 14 96055 97595

event 87 depth 313

0 L wire out 303

Stn 12 - Northern Strait of Georgia

Event: 95

Depth: 356

Wire out: 347

TSK st: 97595

TSK en: 99590

Wire <:

Rite in the Rain

CPE2 STW END

99590

328 depth 01152

318 wire out 02532

20 0

CPE1

250 depth

240 wire out

37m 38

depth 311 04308

Sh 40

depth 153 at 97)

NET → 115 out depth @ 139 start

05195 mid 149

GEB1 393 wire out 057303

403 depth 07305

28 depth 138

wire out 138 ~ 10°

8078

GTD1 68 depth 08405

wire out 58

SC04 depth 96 08942

wire out 90 < ~ 10-15°

Note in the Room.