



Plankton Net Tow Log Sheet

Cruise #: 2001-050 Vessel: TULLY Page: 1

Project(s): SEAMOUNTS Contact: CHESEA

TSK Serial #: RBR serial #:

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

Date: 17 JUNE 21	Station: SE01	Time: 2328	LOCAL
Net Event # 2	CTD # 4		
Latitude: 49 45.588 N	Longitude: 129 51.442 W		
deg min.dec	deg min.dec		
Wire out: 1500	Wire angle: 0	Bottom Depth: 1678	
Net Type: BOWEN	Tow Type: VNH		
Flow start 51691	Flow end 62078	Flow = frozen	
		Non-flow = pickled	

Notes: Flow → ETOU ⇒ 2 larinarid & 2 viper fish in separate jar of ETOU
NON-Flow → FORM

Date: 18 JUNE 21	Station: SE01	Time: 0018	LOCAL
Net Event # 3	CTD # 4		
Latitude: 49 45.776 N	Longitude: 129 51.225 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1663	
Net Type: BOWEN	Tow Type: VNH		
Flow start 62078	Flow end 63794	Flow = frozen	
		Non-flow = pickled	

Notes: NON-Flow ⇒ 22 Suspend ⇒ frozen for DNA

Date: 18 JUN 21	Station: DS39	Time: 1233	LOCAL
Net Event # 08	CTD # 08		
Latitude: 50 53.226 N	Longitude: 131 01.786 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 15	Bottom Depth: 2574	
Net Type: BOWEN	Tow Type: VNH		
Flow start 63794	Flow end 65779	Flow = frozen	
		Non-flow = pickled	

Notes: NON-Flow ⇒ 100 Salpin sp. frozen
446 Salpin sp. released, 16 gammarids, 15 THEPA, 4 CLIONE, 16 LIMHE, 1 zoen → ETOU
Coner

Date: 18 JUN 21	Station: DS24	Time: 2103	LOCAL
Net Event # 12	CTD # 13		
Latitude: 50 45.256 N	Longitude: 130 58.877 W		
deg min.dec	deg min.dec		
Wire out: 20	Wire angle:	Bottom Depth: 2016	
Net Type: BOWEN	Tow Type: VNH		
Flow start 65779	Flow end 67453	Flow = frozen	
		Non-flow = pickled	

Notes: Non-flow ⇒ Released 125 S. usperm



Plankton Net Tow Log Sheet

Cruise #: 2021-032 Vessel: Tully Page: 2
 Project(s): SCAMOUNTS Contact: CHASAT
 TSK Serial #: RBR serial #:

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

Date: 18 JUN 21	Station: DS46	Time: 2334	LOCAL
Net Event # 14	CTD # 15		
Latitude: 50 44.559 N	Longitude: 120 53.488 W		
deg min.dec	deg min.dec		
Wire out: 570	Wire angle:	Bottom Depth: 582	
Net Type: BONHO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
70036	73770	Non-flow = pickled	

Notes: Non-flow => 122 Removed 132 salps => ~46 S. fusiformis; ~46 S. aspera => 12 S. fusiformis => frozen
 16 LIMHE, 9 THPA, 3 mysids, 11 gammarids, 1 Pleuro, 1 stenophore (few copepods unknown)

Flow side
 ↓
 gammarids
 left in wet-lab
 overnight ~12hr.

Date: 19 JUN 21	Station: DS16	Time: 1854	LOCAL
Net Event # 20	CTD # 22		
Latitude: 50 43.693 N	Longitude: 130 49.598 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 6	Bottom Depth: 1680	
Net Type: BONHO	Tow Type: VNH		
Flow start 76521	Flow end 78439	Flow = frozen	
		Non-flow = pickled	

Notes: Removed 12 S. aspera from Non-flow side

Date: 19 JUN 21	Station: DS27	Time: 2213	LOCAL
Net Event # 24	CTD # 26		
Latitude: 50 35.857 N	Longitude: 130 45.303 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 6	Bottom Depth: 1362	
Net Type: BONHO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
78439	80530	Non-flow = pickled	

Notes:

Date: 19 JUN 21	Station: DS27	Time: 2314	LOCAL
Net Event # 25	CTD # 26		
Latitude: 50 35.931 N	Longitude: 130 45.386 W		
deg min.dec	deg min.dec		
Wire out: 350	Wire angle:	Bottom Depth: 1306	
Net Type: BONHO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
80530	91404	Non-flow = pickled	

Notes: Non-flow => Phronema to EtoH (flow side)
 56 S. aspera + 2 S. fusiformis => frozen for DNA
 Released 1 S. sp. + 1 Solmisisus
 flow => EtoH => released a bunch
 of salps.



Plankton Net Tow Log Sheet

Cruise #: 2021-031 Vessel: *Tunny* Page: 3

Project(s): *SEAMOUNTS* Contact: *C. NELSON*

TSK Serial #: RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 20 JUN 21	Station: TWD1	Time: 1851	LOCAL
Net Event # 30	CTD # 32		
Latitude: 51 27.455 N	Longitude: 130 50.521 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 1352	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
91405	93236	Non-flow = pickled	
Notes: { Non-flow => 10 'large' S. aspera + 64 'tiny' S. aspera => frozen for RNA } + 35 medium S. aspera			

Date: 2021 JUN 20	Station: TWD6	Time: 2212	LOCAL
Net Event # 34	CTD # 35		
Latitude: 51 35.521 N	Longitude: 130 41.187 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 7	Bottom Depth: 1086	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end 0	Flow = frozen	
93236	95073	Non-flow = pickled	
Notes:			

Date: 2021 JUN 21	Station: TWD9	Time: 0116	LOCAL
Net Event # 36	CTD # 37		
Latitude: 51 35.789 N	Longitude: 131 00.803 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 10	Bottom Depth: 2171	
Net Type: Bongo	Tow Type: VNH		
Flow start 95332	Flow end 97394	Flow = frozen	
		Non-flow = pickled	
Notes: Non-flow => Released 45 S. aspera; froze 6 S. fusiformis; 1 pteropod, 6 LIMHE, 6 Clione, 1 fish larva, 1 hyperiid, 7 THEPA => EtoH			

Date: 21 JUNE 2021	Station: 1W05	Time: 2134	LOCAL
Net Event # 41	CTD # 40		
Latitude: 51 27.198 N	Longitude: 130 58.793 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 25	Bottom Depth:	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
02542	04310	Non-flow = pickled	
Notes: Non-flow => removed 4 S. aspera			

Flow => removed 1 AER => put 1 chunk in EtoH



Plankton Net Tow Log Sheet

Cruise #: 2021-036 Vessel: *RV WY* Page: 4

Project(s): *SPAMOUNTS* Contact: *CHAWDA*

TSK Serial #: RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: <i>23 JUNE 21</i>	Station: <i>STD1</i>	Time: <i>1956</i>	LOCAL
Net Event # <i>46</i>	CTD # <i>49</i>		
Latitude: <i>49 07.037</i> N	Longitude: <i>132 16.472</i> W		
deg min.dec	deg min.dec		
Wire out: <i>250</i>	Wire angle: <i>8</i>	Bottom Depth: <i>1754</i>	
Net Type: <i>BONCO</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>34295</i>	<i>35835</i>	Non-flow = pickled	

Notes: *Non-flow - removed 1 S. ASPERA*

Flow - removed 2 S. ASPERA

Date: <i>23 JUNE 21</i>	Station: <i>STD1</i>	Time: <i>2100</i>	LOCAL
Net Event # <i>47</i>	CTD # <i>49</i>		
Latitude: <i>49 07 00.8</i> N	Longitude: <i>132 16.554</i> W		
deg min.dec	deg min.dec		
Wire out: <i>1500</i>	Wire angle:	Bottom Depth: <i>1750</i>	
Net Type: <i>BONCO</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>35885</i>	<i>45340</i>	Non-flow = pickled	

Notes: *non-flow = 7 moved 1 mysid, 1 Atolla to flow side & Released 1 S. ASPERA*

Flow = all in EtOH w/ one crazy amphipod we need to do both DNA & taxonomy on.

Date: <i>24 JUNE 2021</i>	Station: <i>STD8</i>	Time: <i>0113</i>	LOCAL
Net Event # <i>51</i>	CTD # <i>52</i>		
Latitude: <i>49 59.679</i> N	Longitude: <i>132 26.177</i> W		
deg min.dec	deg min.dec		
Wire out: <i>250</i>	Wire angle: <i>10</i>	Bottom Depth: <i>3128</i>	
Net Type: <i>BONCO</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>45391</i>	<i>47299</i>	Non-flow = pickled	

Notes: *Non-flow = Released 2 S. ASPERA*

Flow = 9 THOPA + 1 cyphocaris = EtOH

Date: <i>2021 JUNE 24</i>	Station: <i>UN13-10</i>	Time: <i>2021</i>	LOCAL
Net Event # <i>54</i>	CTD # <i>56</i>		
Latitude: <i>49 37.365</i> N	Longitude: <i>132 21.521</i> W		
deg min.dec	deg min.dec		
Wire out: <i>250</i>	Wire angle:	Bottom Depth: <i>3162</i>	
Net Type: <i>BONCO</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>47300</i>	<i>49789</i>	Non-flow = pickled	

Notes: *Removed 2 S. ASPERA from non-flow*



Plankton Net Tow Log Sheet

Cruise #: 2021-02 Vessel: Tully Page: 5
Project(s): SEAMONTS Contact: CHASEA
TSK Serial #: RBR serial #:

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

Date: 2021 JUNE 25	Station: UN13-06	Time: 0037	LOCAL
Net Event # 58	CTD # 59		
Latitude: 49 34.374 N	Longitude: 132 17.386 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 4	Bottom Depth: 2166	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
491189	51159	Non-flow = pickled	
Notes: Released 3 S. aspera; put 13 THEPA, 3 orchammonella, 3 LIMHE => ETOH } Non-f			

Date: 25 JUNE 21	Station: UN13-01	Time: 0337	LOCAL
Net Event # 60	CTD # 62		
Latitude: 49 29.657 N	Longitude: 132 10.987 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 6	Bottom Depth: 2100	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
51198	53198	Non-flow = pickled	
Notes: Non-flow => 37 S. aspera + 8 S. fusiformis => frozen; Released 4 Salpa sp. + 2 Solmarisus // Flow => 7 THEPA, 1 Limhe, 3 LIMHE, 2 gammarids, 2 gastropod sp., 1 pd. cha			

Date: 2021 June 25	Station: UN13-01	Time:	LOCAL
Net Event # 64	CTD # 6		
Latitude:	N Longitude:	deg min.dec	deg min.dec
deg min.dec	deg min.dec		
Wire out: 2000	Wire angle:	Bottom Depth: 2104	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
53702	63024	Non-flow = pickled	
Notes:			

Date: 2021 Jun 26	Station: EN01	Time: 1625	LOCAL
Net Event # 106	CTD # 67		
Latitude: 48 17.948 N	Longitude: 129 07.622 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle:	Bottom Depth: 1613	
Net Type: Bongo	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
68025	70244	Non-flow = pickled	
Notes:			

Notes: Non-flow => Released 7 Salpa aspera, 1 Salpa sp.
20 THRA, 5 gammarids => ETOH



Plankton Net Tow Log Sheet

Cruise #:

Vessel:

Page:

Project(s):

Contact:

TSK Serial #:

RBR serial #:

Time offset = +

hrs = UTC (please record local time for samples)

Date: 2021 JUN 26	Station: EN02	Time: 1853	LOCAL
Net Event # 68	CTD # 76		
Latitude: 48 18.196 N	Longitude: 128 54.918 W		
deg min.dec	deg min.dec		
Wire out: 250	Wire angle: 0	Bottom Depth: 2515	
Net Type: B2140	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
70243	72178	Non-flow = pickled	

Notes:

Date: 2021 JUN 26	Station: EN02	Time: 1949	LOCAL
Net Event # 69	CTD # 71		
Latitude: 48 18.172 N	Longitude: 128 59.916 W		
deg min.dec	deg min.dec		
Wire out: 1200	Wire angle: 0	Bottom Depth: 2506	
Net Type: B2140	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
72178	81111	Non-flow = pickled	

Notes: Non-flow → 1 fish larva, 1 dragon fish larva, 1 Heterostyler → flow side flow → ETOH

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:

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:

STN	DEPTH	Tow	start Flow	end Flow	°	3
SE01	1600	1500	51691	62078	0	
SED1	1663	250	62078	63794	0	
DS39	2575	250	63794	65779	15°	
DS24		250	65779		8°	
DS16		76321				
DS27		78439				
TW01	1638	1250	91405		5	
TW06	1086	250	93236	95078	5	
TW09	2160	250	95332	97394	7	
TW05	2120	250	02542	04310	10	
ST01	1750	250	34295	35885	5	
STN1	1754	1500	35885	45390	0	
ST08	3063	250	45391	47299	10	
UN10		250	47300	49189	0	
UN06		250	49189	51159	4	
UN11		250	51158	53198	0	
UN01	2095	2000	53702	63501	0	
	1850	250	68025	70244	0	
		250	70243	72178	0	
		1200	72178	81111	0	

DS27	250	78439	5
	1200		
	1350	80438	5

0-1500

1500-370

370-250

250-150

150-0

MULTINET Log Sheet

Cruise: 2021-036Station: TWMPsDate: 21 June 2021Event #: 39Local Time: 16:39Area: Tura Wilson Seamount

CTD #: _____

Bottom Depth: 1992Project: Seamounts

NET	Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments
1	16:39	0-1500	51°24.235	131°01.095	144	
2	17:19	1500-370	51°25.156	131°00.565	227	
3	18:04	370-250 320-250	51°25.861	131°01.392	48	Towyo 370→250→ 320→250
4	18:13	150-250 250-150	51°25.950	131°01.530	40	Towyo 250→150→ 200→150
5	19:19	150-0	51°26.042	131°01.731	37	

Comments:

Cruise: _____ Station: _____ Date: _____

Event #: _____ Local Time: _____ Area: _____

CTD #: _____ Bottom Depth: _____ Project: _____

NET	Time	Depth Range (m)	Latitude (°N)	Longitude (°W)	Flow (m ³)	Comments

Comments: