



Plankton Net Tow Log Sheet

Survey #:

Vessel: *SWL*Page: *7*Project(s): *C30 2014*Contact: *John Nelson*
Svein Vagle

Date: <i>14/07/14</i>	Station: <i>SLIP-1</i>	Time: <i>9:35 am</i>	local		
Net Event # <i>1</i>	CTD # <i>1</i>	Time: <i>16:38</i>	UTC		
Latitude: <i>62.010</i>		Longitude: <i>175.060</i>			
deg min.dec		deg min.dec			
Wire out: <i>71 m</i>	Wire angle: <i>vertical</i>	Bottom Depth: <i>81 m</i>			
Net Type: <i>Bongo</i>		Tow Type: <i>vertical</i>			
Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	<i>150 um</i>	<i>7115</i>	<i>39138</i>	<i>39040</i>	<i>Formaldehyde</i>
Net 2	<i>236 um</i>			<i>Ethanol</i>	

Additional Notes:

Date: <i>14/07/14</i>	Station: <i>SLIP-2</i>	Time: <i>11:25 am</i>	local		
Net Event # <i>2</i>	CTD # <i>2</i>	Time:	UTC		
Latitude: <i>62.050</i>		Longitude: <i>175.210</i>			
deg min.dec		deg min.dec			
Wire out: <i>73</i>	Wire angle: <i>vertical</i>	Bottom Depth: <i>83 m</i>			
Net Type: <i>Bongo</i>		Tow Type: <i>vertical</i>			
Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	<i>150 um</i>	<i>7115</i>	<i>40098</i>	<i>40620</i>	<i>Formaldehyde</i>
Net 2	<i>236 um</i>			<i>Ethanol</i>	<i>Possible jelly in jar?</i>

Additional Notes:

Date: <i>14/07/14</i>	Station: <i>SLIP-3</i>	Time: <i>4:20 pm</i>	local		
Net Event # <i>3</i>	CTD # <i>4</i>	Time:	UTC		
Latitude: <i>62.390</i>		Longitude: <i>174.570</i>			
deg min.dec		deg min.dec			
Wire out: <i>62</i>	Wire angle: <i>vertical</i>	Bottom Depth: <i>72 m</i>			
Net Type: <i>Bongo</i>		Tow Type: <i>vertical</i>			
Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	<i>150 um</i>	<i>7115</i>	<i>40625</i>	<i>41015</i>	<i>Formaldehyde</i>
Net 2	<i>236 um</i>			<i>Ethanol</i>	

Additional Notes:

Date: <i>14/07/14</i>	Station: <i>SLIP-5</i>	Time: <i>9:25 pm</i>	local		
Net Event # <i>4</i>	CTD # <i>6</i>	Time:	UTC		
Latitude: <i>62.560</i>		Longitude: <i>173.550</i>			
deg min.dec		deg min.dec			
Wire out: <i>57 m</i>	Wire angle: <i>45°</i>	Bottom Depth: <i>67 m</i>			
Net Type: <i>Bongo</i>		Tow Type: <i>vertical</i>			
Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	<i>150 um</i>	<i>7115</i>	<i>41025</i>	<i>41547</i>	<i>Formaldehyde</i>
Net 2	<i>236 um</i>			<i>Ethanol</i>	

Additional Notes:



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Project(s):

Contact:

Date: 15/07/14 Station: SLIP-4 Time: 2:25 am local
Net Event # 5 CTD # 8 Time: UTC
Latitude: 63.030 N Longitude: 173.460 W
deg min.dec deg min.dec

Wire out: 62m Wire angle: vertical Bottom Depth: 70 m

Net Type: Bongo Tow Type: Vertical

Mesh Flow serial# Flow start Flow end Preservative Notes:

Net 1 150 μm 7115 42088 42535 Formaldehyde

Net 2 236 μm ethanol

Additional Notes:

Net 2 has 3 Jars

ship was wavy &
bongo may have
scrapped side of ship
- cause of barnacles

Date: 15/07/14 Station: UTBS-5 Time: 10:30 pm local
Net Event # 6 CTD # 14 Time: UTC
Latitude: 64.670 N Longitude: 169.920 W
deg min.dec deg min.dec

Wire out: 37m Wire angle: vertical Bottom Depth: 47m

Net Type: Bongo Tow Type: Vertical

Mesh Flow serial# Flow start Flow end Preservative Notes:

Net 1 150 μm 7115 42592 42900 Formaldehyde

Net 2 236 μm ethanol

Additional Notes:

Contains some garbage debris

Date: 16/07/14 Station: UTBS-2 Time: 1:30 am local
Net Event # 7 CTD # 15 Time: UTC
Latitude: 64.680 N Longitude: 169.100 W
deg min.dec deg min.dec

Wire out: 35m Wire angle: vertical Bottom Depth: 45m

Net Type: Bongo Tow Type: Vertical

Mesh Flow serial# Flow start Flow end Preservative Notes:

Net 1 150 μm 7115 45833 46105 Formaldehyde

Net 2 236 μm Ethanol

Additional Notes:

Date: 16/07/14 Station: UTBS-4 Time: 10:30 am local
Net Event # 8 CTD # 17 Time: UTC
Latitude: 64.960 N Longitude: 169.890 W
deg min.dec deg min.dec

Wire out: 32m Wire angle: 45° Bottom Depth: 42m

Net Type: Bongo Tow Type: Vertical

Mesh Flow serial# Flow start Flow end Preservative Notes:

Net 1 150 μm 7115 46380 46690 Formaldehyde

Net 2 236 μm Ethanol

Additional Notes:



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Project(s):

Contact:

Date: 16/07/14	Station: UTBS-1	Time: 1:30 pm	local
Net Event # 9	CTD # 18	Time:	UTC
Latitude: 64.990	N	Longitude: 169.140	W
deg	min.dec	deg	min.dec
Wire out: 39 m	Wire angle: vertical	Bottom Depth: 49 m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1 150 um	7115	46 830	47 170
Net 2 236 um			
			Preservative
			Notes:
			Formaldehyde
			Ethanol

Additional Notes:

* Date: 17/07/14	Station: UTN-1	Time: 1:30 am	local
Net Event # 10	CTD # 20	Time:	UTC
Latitude: 66.710	N	Longitude: 168.778	W
deg	min.dec	deg	min.dec
Wire out: 25 m	Wire angle: vertical	Bottom Depth: 35 m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1 150 um	7115	47 195	47 252
Net 2 236 um			
			Preservative
			Notes:
			Formaldehyde
			Ethanol
			2 Jars
			2 Jars

Additional Notes:

Glove fell into 150 um mesh bucket => may of contaminated/lost some plankton

* Date: 17/07/14	Station: UTN-2	Time: 4:30 am	local
Net Event # 11	CTD # 21	Time:	UTC
Latitude: 67.050	N	Longitude: 168.730	W
deg	min.dec	deg	min.dec
Wire out: 37 m	Wire angle: 20°	Bottom Depth: 47 m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1 150 um	7115	47 310	47 530
Net 2 236 um			
			Preservative
			Notes:
			Formaldehyde
			Ethanol
			2 Jars
			2 Jars

Additional Notes:

* Date: 17/07/14	Station: UTN-3	Time: 7:30 am	local
Net Event # 12	CTD # 22	Time:	UTC
Latitude: 67.330	N	Longitude: 169.000	W
deg	min.dec	deg	min.dec
Wire out: 40	Wire angle: 20°	Bottom Depth: 50	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1 150 um	7115	48 000	48 358
Net 2 236 um			
			Preservative
			Notes:
			Formaldehyde
			Ethanol
			4 Jars
			3 Jars

Additional Notes:

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Project(s):

Contact:

Date:	17/07/14	Station:	VTN-4	Time:	10:00 am	local
Net Event #	13	CTD #	23	Time:		UTC
Latitude:	67.500	N	Longitude:	168.910		W
	deg	min.dec		deg	min.dec	
Wire out:	41 m	Wire angle:	45°	Bottom Depth:	51m	
Net Type:	Bongo	Tow Type:	vertical			
	Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	150 µm	7115	48 368	48 720	Formaldehyde	3 Jars
Net 2	236 µm				(Ethanol)	2 Jars

Additional Notes:

Date: 17/07/14	Station: UTN-6	Time: 1:30 pm	local			
Net Event # 14	CTD # 24	Time:	UTC			
Latitude: 67.740	N	Longitude: 168.440	W			
deg	min.dec	deg	min.dec			
Wire out: 40 m	Wire angle: 20°	Bottom Depth: 50 m				
Net Type: Bongo	Tow Type: vertical					
	Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	150 µm	7115	48 720	49 069	Formaldehyde	3 jars
Net 2	236 µm				Ethanol	3 jars

Additional Notes:

Date: 18/07/14	Station: SEC-8	Time: 7:30 am	local			
Net Event # 15	CTD # 25	Time:	UTC			
Latitude: 68.300	N	Longitude: 166.935	W			
deg	min.dec	deg	min.dec			
Wire out: 25m	Wire angle: 45°	Bottom Depth: 35m				
Net Type: Bongo	Tow Type: vertical					
	Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	150 um	715	49 071	49 259	Formaldehyde	
Net 2	236 um				Ethanol	

Additional Notes:

Flowmeter trap was open upon surfacing

Date: 18/07/14	Station: SEC-7	Time: 9:30am	local			
Net Event # 16	CTD #26	Time:	UTC			
Latitude: 68.242	N	Longitude: 167.122	W			
deg	min.dec	deg	min.dec			
Wire out: 33m	Wire angle: vertical	Bottom Depth: 43m				
Net Type: Bong o	Tow Type: vertical					
	Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	150 um	7115	52 712	53 012	Formaldehyde	
Net 2	236 um				Ethanol	

Additional Notes:

Additional Notes:
Mud grab was done first (cause of some sedimentation in sample)



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Project(s):

Contact:

Date: 18/07/14	Station: SEC-6	Time: 11:15am	local
Net Event # 17	CTD # 27	Time:	UTC
Latitude: 68.185 N		Longitude: 167.308 W	
deg	min.dec	deg	min.dec
Wire out: 38m	Wire angle: vertical	Bottom Depth: 48m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1 150um	7115	53 012	53 340
Net 2 236um			
Preservative: Formaldehyde			
Notes:			

Additional Notes:

Date: 18/07/14	Station: SEC-S	Time: 12:30pm	local
Net Event # 18	CTD # 28	Time:	UTC
Latitude: 68.128 N		Longitude: 167.495 W	
deg	min.dec	deg	min.dec
Wire out: 40m	Wire angle: vertical	Bottom Depth: 50m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1 150um	7115	53 390	53 748
Net 2 236um			
Preservative: Formaldehyde			
Notes: 2 jars			

Additional Notes:

Mud grab was done first (possible source of sedimentation)

Date: 18/07/14	Station: SEC-4	Time: 3:00pm	local
Net Event # 19	CTD # 29	Time:	UTC
Latitude: 68.013 N		Longitude: 167.867 W	
deg	min.dec	deg	min.dec
Wire out: 43m	Wire angle: vertical	Bottom Depth: 53m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1 150um	7115	53 748	54 109
Net 2 236um			
Preservative: Formaldehyde			
Notes:			

Additional Notes:

Date: 18/07/14	Station: SEC-3	Time: 6:00pm	local
Net Event # 20	CTD # 30	Time:	UTC
Latitude: 67.898 N		Longitude: 168.235 W	
deg	min.dec	deg	min.dec
Wire out: 48m	Wire angle: vertical	Bottom Depth: 59m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1 150um	7115	54 110	54 410
Net 2 236um			
Preservative: Formaldehyde			
Notes: 2 jars			

Additional Notes:



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* Date: 18/07/14	Station: SEC-2	Time: 8:30 pm	local
Net Event # 21	CTD # 31	Time:	UTC
Latitude: 67.783	N	Longitude: 168.834	W
deg	min.dec	deg	min.dec
Wire out: 41m	Wire angle: vertical	Bottom Depth: 51m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1	150um	7115	54 410
Net 2	236um		
Preservative	Notes:		
Formaldehyde	2 Jars		
Ethanol	2 Jars		

Additional Notes:

* Date: 18/07/14	Station: SEC-1	Time: 11:30 pm	local
Net Event # 22	CTD # 32	Time:	UTC
Latitude: 67.670	N	Longitude: 168.960	W
deg	min.dec	deg	min.dec
Wire out: 41m	Wire angle: vertical	Bottom Depth: 51m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1	150um	7115	54 620
Net 2	236um		
Preservative	Notes:		
Ethanol	I mixed up the		
Formaldehyde	mesh size on		

Additional Notes:

Some sample was left stuck higher up on the 150 um bongo → this sample... sorry! could not be washed down

* Date: 19/07/14	Station: UTA-7	Time: 5:30 am	local
Net Event # 23	CTD # 33	Time:	UTC
Latitude: 68.000	N	Longitude: 168.930	W
deg	min.dec	deg	min.dec
Wire out: 48m	Wire angle: vertical	Bottom Depth: 58m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1	150um	7115	55 812
Net 2	236um		
Preservative	Notes:		
Formaldehyde	2 Jars		
Ethanol	2 Jars		

Additional Notes:

- Samples sat in buckets for ~4 hrs before filtering & preservation
- Glove fell into 150 um sample

Date: 20/07/14	Station: DB04.1	Time: 9:30 am	local
Net Event # 24	CTD # 34	Time:	UTC
Latitude: 70.973	N	Longitude: 161.962	W
deg	min.dec	deg	min.dec
Wire out: 36m	Wire angle: vertical	Bottom Depth: 46m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1	150um	7115	55 090
Net 2	236um		
Preservative	Notes:		
Formaldehyde			
Ethanol			

Additional Notes:



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Date: 20/07/14	Station: DB04.2	Time: 1:00 pm	local		
Net Event # 25	CTD # 36	Time:	UTC		
Latitude: 71.104	N	Longitude: 162.266	W		
deg	min.dec	deg	min.dec		
Wire out: 38m	Wire angle: vertical	Bottom Depth: 48m			
Net Type: Bongo	Tow Type: vertical				
Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	150 um	7115	55 283	55 510	Formaldehyde
Net 2	236 um				Ethanol

Additional Notes:

Date: 20/07/14	Station: DB04.3	Time: 4:00 pm	local		
Net Event # 26	CTD # 38	Time:	UTC		
Latitude: 71.233	N	Longitude: 162.636	W		
deg	min.dec	deg	min.dec		
Wire out: 36m	Wire angle: vertical	Bottom Depth: 46m			
Net Type: Bongo	Tow Type: vertical				
Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	150 um	7115	55 512	55 747	Formaldehyde
Net 2	236 um				Ethanol

Additional Notes:

Date: 21/07/14	Station: DB04.4	Time: 8:30 am	local		
Net Event # 27	CTD # 40	Time:	UTC		
Latitude: 71.362	N	Longitude: 163.009	W		
deg	min.dec	deg	min.dec		
Wire out: 35m	Wire angle: vertical	Bottom Depth: 45m			
Net Type: Bongo	Tow Type: vertical				
Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	150 um	7115	55 755	56 105	Formaldehyde
Net 2	236 um				Ethanol

Additional Notes:

Date: 21/07/14	Station: DB04.5	Time: 11:30 am	local		
Net Event # 28	CTD # 42	Time:	UTC		
Latitude: 71.490	N	Longitude: 163.388	W		
deg	min.dec	deg	min.dec		
Wire out: 32m	Wire angle: vertical	Bottom Depth: 42m			
Net Type: Bongo	Tow Type: vertical				
Mesh	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	150 um	7115	56 110	56 452	Formaldehyde
Net 2	236 um				Ethanol

Additional Notes:



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Project(s):

Contact:

Date: 21/07/14	Station: DB04.6	Time: 2:00pm	local
Net Event # 29	CTD # 44	Time:	UTC
Latitude: 71.618	N	Longitude: 163.772	W
deg	min.dec	deg	min.dec
Wire out: 32m	Wire angle: vertical	Bottom Depth: 42m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1	150um	7115	56 350
Net 2	236um		56 598
			Preservative
			Notes:
			Formaldehyde
			Ethanol

Additional Notes:

Date: 22/07/14	Station: BarC-3	Time: 2:30pm	local
Net Event # 30	CTD # 45	Time:	UTC
Latitude: 71.330	N	Longitude: 157.332	W
deg	min.dec	deg	min.dec
Wire out: 85m	Wire angle: vertical	Bottom Depth: 75m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1	150um	7115	56 728
Net 2	236um		57 203
			Preservative
			Notes:
			Formaldehyde
			Ethanol

Additional Notes:

Date: 22/07/14	Station: BarC-4	Time: 8:30pm	local
Net Event # 31	CTD # 46	Time:	UTC
Latitude: 71.372	N	Longitude: 157.415	W
deg	min.dec	deg	min.dec
Wire out: 100m	Wire angle: vertical	Bottom Depth: 110m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1	150um	7115	57 203
Net 2	236um		57 804
			Preservative
			Notes:
			Formaldehyde
			Ethanol

Additional Notes:

I think the bongos may have caught some ship out flow from the kitchen (visible seeds & veggie pieces)

Date: 22/07/14	Station: BarC-5	Time: 9:00pm	local
Net Event # 32	CTD # 47	Time:	UTC
Latitude: 71.24032	N	Longitude: 157.26788	W
deg	min.dec	deg	min.dec
Wire out: 118m	Wire angle: vertical	Bottom Depth: 128m	
Net Type: Bongo	Tow Type: vertical		
Mesh	Flow serial#	Flow start	Flow end
Net 1	150um	7115	57 803
Net 2	236um		58 460
			Preservative
			Notes:
			Formaldehyde
			Ethanol

Additional Notes: