



Plankton Net Tow Log Sheet

Cruise #: 2016-03 Vessel: Ricker Page: 1

Project(s): Sog Contact: Kelley

TSK Serial #: 6069 RBR serial #: PBS

Time offset = +

hrs = UTC (please record local time for samples)

Date: 14 Mar 2016 Station: GEO1 Time: 20:54 LOCAL

Net Event # 2 CTD # 1

Latitude: 49 14.97 N Longitude: 123 44.83 W
deg min.dec deg min.dec

Wire out: 394 Wire angle: 0 Bottom Depth: 404

Net Type: B VNH Tow Type:

Flow start Flow end Flow = frozen

79760 77910 Non-flow = pickled

Notes: fish at stern formalin very cloudy PBS Bongos

Date: 14 Mar 2016 Station: 40 Time: 22:40 LOCAL

Net Event # 4 CTD # 3

Latitude: 49 8.58 N Longitude: 123 36.91 W
deg min.dec deg min.dec

Wire out: 136 Wire angle: 5 Bottom Depth: 140

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

77910 78655 Non-flow = pickled

Notes: fish at stern formalin very cloudy. switched bottles.

Date: 15 Mar 2016 Station: 46 Time: 21:21 LOCAL

Net Event # 2 CTD # 6

Latitude: 48 51.43 N Longitude: 123 10.69 W
deg min.dec deg min.dec

Wire out: 161 Wire angle: 0 Bottom Depth: 171

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

78654 79872 Non-flow = pickled

Notes: high angle on upcast

Date: 16 Mar 2016 Station: 41 Time: 02:59 LOCAL

Net Event # 13 CTD # 12

Latitude: 49 3.29 N Longitude: 123 22.72 W
deg min.dec deg min.dec

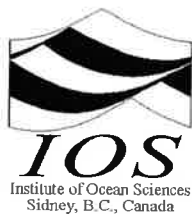
Wire out: 233 Wire angle: 10 Bottom Depth: 243

Net Type: B Tow Type: VNH

Flow start Flow end Flow = frozen

79874 81251 Non-flow = pickled

Notes: 1 lg PASPA in non-flow side only.
Net stopped at surface so ship could move forward (was heading inboard to 10m quickly)



Plankton Net Tow Log Sheet

Cruise #: 2016-03 Vessel: Picker Page: 2

Project(s): Sog Contact: Kelly

TSK Serial #: 6009 RBR serial #: PBS

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

Date: 16 Mar 2016	Station: 38	Time: 04:57	LOCAL
Net Event # 15	CTD # 14		
Latitude: 49 11.65 N	Longitude: 123 26.48 W		
deg min.dec	deg min.dec		
Wire out: 292	Wire angle: 0	Bottom Depth: 302	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
81251	83255	Non-flow = pickled	

Notes: downcast fast

Date: 16 Mar 16	Station: 28	Time: 22:28	LOCAL
Net Event # 19	CTD # 18		
Latitude: 49 24.03 N	Longitude: 123 45.46 W		
deg min.dec	deg min.dec		
Wire out: 124	Wire angle: 0	Bottom Depth: 134	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
83365	84011	Non-flow = pickled	

Notes: 1st try lost winch counter, re-did cast (washed + emptied cod ends)
lg pink shrimp in formalin side

Date: 17 Mar 2016	Station: CFF1	Time: 00:43	LOCAL
Net Event # 21	CTD # 20		
Latitude: 49 22.01 N	Longitude: 124 5.50 W		
deg min.dec	deg min.dec		
Wire out: 244	Wire angle: 10	Bottom Depth: 254	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
84011	86327	Non-flow = pickled	

Notes:

Date: 17 Mar 2016	Station: 24	Time: 02:36	LOCAL
Net Event # 23	CTD # 22		
Latitude: 49 30.16 N	Longitude: 124 6.50 W		
deg min.dec	deg min.dec		
Wire out: 380	Wire angle:	Bottom Depth: 390	
Net Type: B	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
86327	89141	Non-flow = pickled	

Notes: lg purple Berce in frozen side

Acoustic Survey

fishing between 40+ GEO1 → lots of gravid pollock
herring.

took some "fresh squeezed" Thresh eggs + put in form.
+ herring



Plankton Net Tow Log Sheet

Cruise #: 2016-03 Vessel: *Picker* Page: 3

Project(s): *SOG* Contact: *Kelly*

TSK Serial #: *6069* RBR serial #: *PBS*

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

Date: <i>17 Mar 2016</i>	Station: <i>CPF2</i>	Time: <i>23:18</i>	LOCAL
Net Event # <i>30</i>	CTD # <i>29</i>		
Latitude: <i>49 28.10</i> N		Longitude: <i>124 30.15</i> W	
deg min.dec		deg min.dec	
Wire out: <i>313</i>	Wire angle: <i>0</i>	Bottom Depth: <i>323</i>	
Net Type: <i>B</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>89141</i>	<i>90719</i>	Non-flow = pickled	

Notes: *large California sea lion watching the net*

Date: <i>18 Mar 2016</i>	Station: <i>BS-11</i>	Time: <i>01:00</i>	LOCAL
Net Event # <i>32</i>	CTD # <i>31</i>		
Latitude: <i>49 29.07</i> N		Longitude: <i>124 46.01</i> W	
deg min.dec		deg min.dec	
Wire out: <i>47</i>	Wire angle: <i>0</i>	Bottom Depth: <i>57</i>	
Net Type: <i>B</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>90717</i>	<i>91025</i>	Non-flow = pickled	

Notes:

Date: <i>18 Mar 2016</i>	Station: <i>11</i>	Time: <i>2037</i>	LOCAL
Net Event # <i>30</i>	CTD # <i>35</i>		
Latitude: <i>49 42.17</i> N		Longitude: <i>124 43.31</i> W	
deg min.dec		deg min.dec	
Wire out: <i>282</i>	Wire angle: <i>0</i>	Bottom Depth: <i>292</i>	
Net Type: <i>B</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>90125</i>	<i>92528</i>	Non-flow = pickled	

Notes:

fishing before station - mostly juv. hake (deep), some pollock herring at surface.

Date: <i>18 Mar 2016</i>	Station: <i>14</i>	Time: <i>23:08</i>	LOCAL
Net Event # <i>38</i>	CTD # <i>37</i>		
Latitude: <i>49 53.12</i> N		Longitude: <i>124 59.64</i> W	
deg min.dec		deg min.dec	
Wire out: <i>302</i>	Wire angle: <i>0</i>	Bottom Depth: <i>312</i>	
Net Type: <i>B</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>92528</i>	<i>94063</i>	Non-flow = pickled	

Notes:

lots of larval hake in sample?



Plankton Net Tow Log Sheet

Cruise #: 2016-03 Vessel: Picker Page: 4

Project(s): SOG Contact: Kelly

TSK Serial #: 6069 RBR serial #: PBS

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

Date: 20 Mar 2016	Station: 22	Time: 01:24	LOCAL
Net Event # 47	CTD # 46		
Latitude: 49 40.34	N	Longitude: 124 16.53	W
deg min.dec		deg min.dec	
Wire out: 344	Wire angle: 0	Bottom Depth: 354	
Net Type: B	Tow Type: VNH		
Flow start 94065	Flow end 95848	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:

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:



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:	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:

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: