



Plankton Net Tow Log Sheet

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Survey #: SWL 2017-93 Vessel: SWL

Project(s): C30-DBO Contact: J. Nelson

Time Zone: PST Note: please record UTC offset if time zones change during cruise

Date: July 4, 2017	Station: NP41	Time: 723 PM	local
Net Event # 4	CTD # 3	Time:	UTC
Latitude: 49 31.427	N Longitude: 128 15.004	W	
	deg min.dec	deg min.dec	
Wire out: 100	Wire angle:	Bottom Depth: 2000	??
Net Type: b	Tow Type: V		
Mesh	Flow serial#	Flow start	Flow end
153	7300	89260	90150
236			90150
			cto

Additional Notes:

Date: July 5	Station: NP47	Time: 0900 AM	local
Net Event # 8	CTD # 7	Time:	UTC
Latitude: 50 26.053	N Longitude: 131 20.996	W	
	deg min.dec	deg min.dec	
Wire out: 100	Wire angle:	Bottom Depth: 1227	
Net Type: b	Tow Type: V		
Mesh	Flow serial#	Flow start	Flow end
153	7300	90720	91380
236			91380
			cto

Additional Notes:

Date: July 5	Station: NP41	Time: 715 PM	local
Net Event # 11	CTD # 10	Time:	UTC
Latitude: 50 57.761	N Longitude: 133 26.051	W	
	deg min.dec	deg min.dec	
Wire out: 100m	Wire angle:	Bottom Depth: 2000	
Net Type: b, V	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
153	7300	91940	92580
236			92580
			cto

Additional Notes:

Date: July 6	Station: NP4	Time: 1200	local
Net Event # 14	CTD # 13	Time:	UTC
Latitude: 51 48.826	N Longitude: 137 8.304	W	
	deg min.dec	deg min.dec	
Wire out: 100	Wire angle:	Bottom Depth: 2000	
Net Type: b, V	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
153	7300	93200	94060
236			94060
			cto

Additional Notes:



Plankton Net Tow Log Sheet

Survey #: 050-C30 Vessel: SWL93

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Project(s): C30-080

Contact: J. Welton

Time Zone: PT

Note: please record UTC offset if time zones change during cruise

Date: July 7	Station: NPS	Time: 630 PM	local
Net Event # 17	CTD # 16	Time:	UTC
Latitude: 52.17.622 N		Longitude: 139.27.185 W	W
deg min dec		deg min dec	
Wire out: 100 m	Wire angle:	Bottom Depth: 7000	
Net Type: b	Tow Type: V		
Mesh	Flow serial#	Flow start	Flow end
Net 1 153	7300	94780	95480
Net 2 236			95480

Additional Notes:

ctd push on

Date: July 7	Station: NPS	Time: 616 AM	local
Net Event # 21	CTD # 20	Time:	UTC
Latitude: 52.55.123 N		Longitude: 143.20.846 W	W
deg min dec		deg min dec	
Wire out: 100	Wire angle: ~	Bottom Depth: 7000	
Net Type: b	Tow Type: V		
Mesh	Flow serial#	Flow start	Flow end
Net 1 153	7300	96100	96860
Net 2 236			96860

Additional Notes:

Date: July 7, 2014	Station: NPS	Time: 630 PM	local
Net Event # 24	CTD # 23	Time:	UTC
Latitude: 53.15.173 N		Longitude: 145.49.886 W	W
deg min dec		deg min dec	
Wire out: 100	Wire angle:	Bottom Depth: 7000	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1 153	7300	97580	98210
Net 2 236			98210

Additional Notes:

Date: July 8, 2014	Station: NPS	Time: 910 AM	local
Net Event # 27	CTD # 26	Time:	UTC
Latitude: 53.42.145 N		Longitude: 150.3.379 W	W
deg min dec		deg min dec	
Wire out: 100	Wire angle:	Bottom Depth: 7300	
Net Type: b	Tow Type: V		
Mesh	Flow serial#	Flow start	Flow end
Net 1 153	7300	98770	99380
Net 2 236			99380

Additional Notes:



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Survey #: SWL93 Vessel: SWL 2017 Page: 3 of 3

Project(s): C30-D00 Contact: J. Nelson

Time Zone: PT Note: please record UTC offset if time zones change during cruise

Date: July 9, 2017 Station: NP9 Time: 630 pm local
Net Event # 32 CTD # 31 Time: UTC
Latitude: 53 53.716 N Longitude: 152 39.478 W
deg min.dec deg min.dec
Wire out: 100 Wire angle: Bottom Depth: 3000
Net Type: b Tow Type: V
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 00010 710 f
Net 2 236 236 e

Additional Notes:

ctd position

Date: July 9, 2017 Station: NP10 Time: 915 AM local
Net Event # 35 CTD # 34 Time: UTC
Latitude: 54 5.164 N Longitude: 156 28.722 W
deg min.dec deg min.dec
Wire out: 100 Wire angle: Bottom Depth: 4000
Net Type: b Tow Type: V
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 1130 2100 form
Net 2 236 236 e

Additional Notes:

Date: July 9, 2017 Station: NP11 Time: 630 PM local
Net Event # 38 CTD # 37 Time: UTC
Latitude: 54 7.950 N Longitude: 159 5.100 W
deg min.dec deg min.dec
Wire out: 100 Wire angle: Bottom Depth: 3000
Net Type: Tow Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 2900 3810 f
Net 2 236 236 e

Additional Notes:

ctd position

Date: July 14, 2017 Station: SLIP 7 Time: 740 AM local
Net Event # 42 CTD # 40 Time: UTC
Latitude: 62 0.550 N Longitude: 175 3.416 W
deg min.dec deg min.dec
Wire out: Wire angle: Bottom Depth: 76
Net Type: Tow Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 4950 5460 f
Net 2 236 236 e

Additional Notes:

ctd position



Plankton Net Tow Log Sheet

Survey #: SW193 Vessel:

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Project(s): C30-DBO Contact: T. Dason

Time Zone: D Note: please record UTC offset if time zones change during cruise

Date: July 14, 2017 Station: SLIP 2 Time: 1030 AM local

Net Event # 47 CTD # 45 Time: UTC

Latitude: 62.2976 N Longitude: 175.12.409 W

deg min.dec deg min.dec

Wire out: 757 Wire angle: Bottom Depth: 83

Net Type: Tow Type:

Mesh Flow serial# Flow start Flow end Preservative Notes:

Net 1 153 7300 5916 6350

Net 2 236

Additional Notes:

ctd position

Date: July 14, 2017 Station: SLIP 3 Time: 3:49 local

Net Event # 53 CTD # 51 Time: UTC

Latitude: 62.23.485 N Longitude: 174.34.171 W

deg min.dec deg min.dec

Wire out: 70 Wire angle: Bottom Depth: 27 73

Net Type: Tow Type:

Mesh Flow serial# Flow start Flow end Preservative Notes:

Net 1 153 7300 6890 7220 f

Net 2 236 e

Additional Notes:

ctd position

Date: July 14, 2017 Station: SLIP 5 Time: 815 PM local

Net Event # 60 CTD # 58 Time: UTC

Latitude: 62.33.593 N Longitude: 173.32.860 W

deg min.dec deg min.dec

Wire out: 60 Wire angle: Bottom Depth: 67

Net Type: Tow Type:

Mesh Flow serial# Flow start Flow end Preservative Notes:

Net 1 153 7300 7560 7920 f

Net 2 236 e

Additional Notes:

ctd position

Date: July 15, 2017 Station: SLIP 4 Time: 105 AM local

Net Event # 60 CTD # 64 Time: UTC

Latitude: 63.1.842 N Longitude: 173.29.503 W

deg min.dec deg min.dec

Wire out: 66 Wire angle: Bottom Depth: 673

Net Type: Tow Type:

Mesh Flow serial# Flow start Flow end Preservative Notes:

Net 1 153 7306 8210 8600 f

Net 2 236 e

Additional Notes:

ctd position



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Survey #: SWL93 Vessel: Page: 3 of 3

Project(s): C30080 Contact: J. Nelson
Time Zone: P Note: please record UTC offset if time zones change during cruise

Date: July 15, 2017 Station: BCL6c Time: 3:05 PM local
Net Event # 75 CTD # 73 Time: UTC
Latitude: 64 40.320 N Longitude: 170 38.561 W
deg min.dec deg min.dec
Wire out: 40 Wire angle: Bottom Depth: 49
Net Type: b Tow Type: V
Mesh Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 8920 8970? f
Net 2 263 e

Additional Notes: ctd position

Date: July 15, 2017 Station: UTBS5 Time: 7:55 PM local
Net Event # 82 CTD # 80 Time: UTC
Latitude: 64 40.199 N Longitude: 169 58.820 W
deg min.dec deg min.dec
Wire out: 41 Wire angle: Bottom Depth: 78
Net Type: b Tow Type: V
Mesh Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 0000 0250 f
Net 2 263 e

Additional Notes: ctd position

Date: July 15, 2017 Station: UTBS2 Time: 11:55 PM local
Net Event # 88 CTD # 86 Time: UTC
Latitude: 64 40.862 N Longitude: 169 5.818 W
deg min.dec deg min.dec
Wire out: 39 Wire angle: Bottom Depth: 47
Net Type: Tow Type:
Mesh Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 530 760 f
Net 2 236 e

Additional Notes: ctd position

Date: July 16, 2017 Station: UTBS2a Time: 2:45 AM local
Net Event # 94 CTD # 92 Time: UTC
Latitude: 64 40.249 N Longitude: 168 14.173 W
deg min.dec deg min.dec
Wire out: 32 Wire angle: Bottom Depth: 39
Net Type: b Tow Type: V
Mesh Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 1010 fm don't change ?!
Net 2 236

Additional Notes: ctd position



Plankton Net Tow Log Sheet

Survey #: SWL93 Vessel:

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Project(s): C30-D80

Contact: J Nelson

Time Zone: P

Note: please record UTC offset if time zones change during cruise

Date: <u>July 16, 2017</u>	Station: <u>DB02.7</u>	Time: <u>595 AM</u>	local
Net Event # <u>99</u>	CTD # <u>97</u>	Time: <u></u>	UTC
Latitude: <u>65 0.052</u>	N Longitude: <u>168 13.349</u>	W	
deg	min.dec	deg	min.dec
Wire out: <u>40</u>	Wire angle: <u></u>	Bottom Depth: <u>45</u>	
Net Type: <u></u>	Tow Type: <u></u>		
Mesh	Flow serial#	Flow start	Flow end
Net 1 <u>153</u>	<u>7300</u>	<u>1020</u>	<u>—</u>
Net 2 <u>236</u>			

Additional Notes: ctd position

Note: Bongo x2?

Date: <u>July 16, 2017</u>	Station: <u>UTBSL</u>	Time: <u>10:15 AM</u>	local
Net Event # <u>106</u>	CTD # <u>103</u>	Time: <u></u>	UTC
Latitude: <u>64 59.418</u>	N Longitude: <u>169 8.378</u>	W	
deg	min.dec	deg	min.dec
Wire out: <u>41</u>	Wire angle: <u>41</u>	Bottom Depth: <u>78</u>	
Net Type: <u></u>	Tow Type: <u></u>		
Mesh	Flow serial#	Flow start	Flow end
Net 1 <u>153</u>	<u>3500</u>	<u>35170</u>	<u>form</u>
Net 2 <u>236</u>	<u>7115</u>		<u>eth</u>

Additional Notes: ctd position

Date: <u>July 16, 2017</u>	Station: <u>UTBS4</u>	Time: <u>140 PM</u>	local
Net Event # <u>112</u>	CTD # <u>109</u>	Time: <u></u>	UTC
Latitude: <u>64 57.677</u>	N Longitude: <u>169 53.483</u>	W	
deg	min.dec	deg	min.dec
Wire out: <u>42</u>	Wire angle: <u></u>	Bottom Depth: <u>79</u>	
Net Type: <u>6</u>	Tow Type: <u>V</u>		
Mesh	Flow serial#	Flow start	Flow end
Net 1 <u>153</u>	<u>35100</u>	<u>35350</u>	<u>form</u>
Net 2 <u>236</u>	<u>7115</u>		<u>eth</u>

Additional Notes: ctd position

Date: <u>July 16, 2017</u>	Station: <u>BR52</u>	Time: <u>1:10 PM</u>	local
Net Event # <u>116</u>	CTD # <u>115</u>	Time: <u></u>	UTC
Latitude: <u>65 40.158</u>	N Longitude: <u>168 23.861</u>	W	
deg	min.dec	deg	min.dec
Wire out: <u>47</u>	Wire angle: <u>47</u>	Bottom Depth: <u>54</u>	
Net Type: <u></u>	Tow Type: <u></u>		
Mesh	Flow serial#	Flow start	Flow end
Net 1 <u>153</u>	<u>3500</u>	<u>35600</u>	<u>35950</u>
Net 2 <u>236</u>	<u>7115</u>		

Additional Notes: ctd position



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Survey #: SWL9 Vessel: SWL93 Page: 7

Project(s): C30-DBO Contact: JNelson

Time Zone: P Note: please record UTC offset if time zones change during cruise

Date: July 16, 2017 Station: BR53 Time: 830 pm local
Net Event # 118 CTD # 117 Time: UTC
Latitude: 65 41.134 N Longitude: 168 33.668 W
Wire out: 46 Wire angle: Bottom Depth: 53
Net Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300
Net 2 236 7115 36230 36520

Additional Notes: ctd position

Date: July 16, 2017 Station: BR54 Time: 10 pm local
Net Event # 120 CTD # 119 Time: UTC
Latitude: 65 42.223 N Longitude: 168 43.234 W
Wire out: 35 Wire angle: Bottom Depth: 42
Net Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 36820 37080
Net 2 236 7115

Additional Notes: ctd position

Date: July 17, 2017 Station: UTM1 Time: 6 am local
Net Event # 124 CTD # 121 Time: UTC
Latitude: 66 42.625 N Longitude: 168 23.953 W
Wire out: 28 Wire angle: Bottom Depth: 35
Net Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 37270
Net 2 236 7115 37440

Additional Notes: ctd position

Date: July 17, 2017 Station: UTM2 Time: 9:10 AM local
Net Event # 127 CTD # 126 Time: UTC
Latitude: 67 3.041 N Longitude: 168 43.744 W
Wire out: 39 Wire angle: Bottom Depth: 46
Net Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7300 37180 37940
Net 2 236 7115

Additional Notes: ctd position



Plankton Net Tow Log Sheet

Survey #:

Vessel:

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Project(s):

Contact:

Time Zone:

Note: please record UTC offset if time zones change during cruise

Date: 24 July 2017

Station: 44N3

Time: 1 pm

local

Net Event # 134

CTD # 131

Time:

UTC

Latitude: 67 19.868

N

Longitude: 168 54.400

W

deg min.dec

deg min.dec

Wire out: 414

Wire angle:

Bottom Depth: 51

Net Type:

Tow Type:

Bottom Depth: 51

Mesh

Flow serial#

Flow start

Flow end

Preservative

Notes:

Net 1

153

7115

38140

38386

+

Net 2

236

Additional Notes:

was tow had alot of phyto + jellies
was v. difficult to filter... ctd position

Date: 24 July 2017

Station: 44N4

Time: 3 pm

local

Net Event # 140

CTD # 136

Time:

UTC

Latitude: 67 30.013

N

Longitude: 168 54.482

W

deg min.dec

deg min.dec

Wire out: 48

Wire angle:

Bottom Depth: 51

Net Type: b

Tow Type: b u

Bottom Depth: 51

Mesh

Flow serial#

Flow start

Flow end

Preservative

Notes:

Net 1

153

7115

38510

38860

f

Net 2

236

e

Additional Notes:

ctd position

Date: 24 July 2017

Station: 3e8

Time: 5:30 AM

local

Net Event # 145

CTD # 142

Time:

UTC

Latitude: 68 17.856

N

Longitude: 166 56.567

W

deg min.dec

deg min.dec

Wire out: 28

Wire angle:

Bottom Depth: 35

Net Type:

Tow Type:

Bottom Depth: 35

Mesh

Flow serial#

Flow start

Flow end

Preservative

Notes:

Net 1

153

7115

38020

39300

f

Net 2

236

e

Additional Notes:

ctd position

Date: 24 July 2017

Station: 3e9

Time: 7:25 AM

local

Net Event # 150

CTD # 147

Time:

UTC

Latitude: 68 14.543

N

Longitude: 167 7.346

W

deg min.dec

deg min.dec

Wire out: 37

Wire angle:

Bottom Depth: 43

Net Type:

Tow Type:

Bottom Depth: 43

Mesh

Flow serial#

Flow start

Flow end

Preservative

Notes:

Net 1

153

7115

39440

39670

f

Net 2

236

e

Additional Notes:

ctd position



Plankton Net Tow Log Sheet

Survey #: SWL93 Vessel: SWL

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Project(s): C30 DBO Contact: J. Nelson

Time Zone: Note: please record UTC offset if time zones change during cruise

Date: July 18, 2017	Station: Sec 6	Time: 9 AM	local
Net Event # 155	CTD # 152	Time:	UTC
Latitude: 68 11.112 N	Longitude: 167 18.488 W	deg min. dec	
Wire out: 44	Wire angle:	Bottom Depth: 51	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
153	7115	39870	40030
Net 1			f
Net 2			e

Additional Notes:

ctd position

Date: July 18, 2017	Station: Sec 5	Time: 10:20 AM	local
Net Event # 160	CTD # 157	Time:	UTC
Latitude: 68 7.697 N	Longitude: 167 29.729 W	deg min. dec	
Wire out: 43	Wire angle:	Bottom Depth: 50	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
153	7115	40240	f
Net 1			
Net 2			e

Additional Notes:

ctd position

Date: July 18, 2017	Station: Sec 4	Time: 12:30 pm	local
Net Event # 166	CTD # 162	Time:	UTC
Latitude: 68 0.781 N	Longitude: 167 52.027 W	deg min. dec	
Wire out: 48	Wire angle:	Bottom Depth: 55	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
153	7115	3070	30960
Net 1			f
Net 2			e

Additional Notes:

ctd position

Date: July 18, 2017	Station: Sec 3	Time: 2:30 pm	local
Net Event # 172	CTD # 168	Time:	UTC
Latitude: 67 53.867 N	Longitude: 168 13.812 W	deg min. dec	
Wire out: 52	Wire angle:	Bottom Depth: 59	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
153	7115	41000	41150
Net 1			f
Net 2			e

Additional Notes:

ctd position



Plankton Net Tow Log Sheet

Survey #: SW196 Vessel:

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Project(s): C30 DEO

Contact:

Time Zone:

Note: please record UTC offset if time zones change during cruise

Date: 18 Jul	Station: UTA06	Time: 538 pm	local
Net Event #	CTD # 174	Time:	UTC
Latitude: 67 44.423 N	Longitude: 168 25.992 W		
deg min.dec	deg min.dec		
Wire out: 44	Wire angle:	Bottom Depth: 51	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1 153	7115	41350	41430
Net 2 236			

12 extra forward
Korot
phos + gelatin

Additional Notes: ctd position

Date: Jul 18 17	Station: C022	Time: 7:10 pm	local
Net Event # 182	CTD # 179	Time:	UTC
Latitude: 67 46.962 N	Longitude: 168 35.963 W		
deg min.dec	deg min.dec		
Wire out: 44	Wire angle:	Bottom Depth: 51	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1 153	7115	39020	40120
Net 2 236			

Clemos

Additional Notes:

ctd position

Date: Jul 18 17	Station: S02	Time: 10:40 pm	local
Net Event # 187	CTD # 184	Time:	UTC
Latitude: 67 40.513 N	Longitude: 168 55.382 W		
deg min.dec	deg min.dec		
Wire out: 44	Wire angle:	Bottom Depth: 50	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1 153	7115	0000	290
Net 2 236			

Clemos

Additional Notes:

ctd position

Date: Jul 18 17	Station: UTA07	Time: 110 Am	local
Net Event # 192	CTD # 189	Time:	UTC
Latitude: 67 59.994 N	Longitude: 168 55.763 W		
deg min.dec	deg min.dec		
Wire out: 50	Wire angle:	Bottom Depth: 57	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1 153	7115	320	540
Net 2 236			

Clemos
phos

Additional Notes:

ctd position



Plankton Net Tow Log Sheet

Survey #: SWL93 Vessel:

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Project(s): C30 P80 Contact:

Time Zone: Note: please record UTC offset if time zones change during cruise

Date: July 20, 17 Station: DB04.6 Time: 9:24 AM local
Net Event # 197 CTD # 194 Time: UTC
Latitude: 71 37.044 N Longitude: 163 46.302 W
deg min. dec deg min. dec
Wire out: 35 Wire angle: Bottom Depth: 42
Net Type: Tow Type:

	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	7115	700	910	form	
Net 2	236			etch	

Additional Notes:

ctd position

Date: July 20, 17 Station: DB04.5 Time: 12:15 PM local
Net Event # 206 CTD # 200 Time: UTC
Latitude: 71 37.044 N Longitude: 163 46.302 W
deg min. dec deg min. dec
Wire out: 36 Wire angle: 43 Bottom Depth: 43
Net Type: Tow Type: ✓

	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	7115	0110	1350	form	
Net 2	236			etch	

Additional Notes:

ctd position

Date: July 20, 17 Station: DB04.4 Time: 3:30 PM local
Net Event # 211 CTD # 207 Time: UTC
Latitude: 71 21.884 N Longitude: 163 0.287 W
deg min. dec deg min. dec
Wire out: 39 Wire angle: Bottom Depth: 46
Net Type: Tow Type:

	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	7115	1580	1820	form	
Net 2	236			etch	

Additional Notes:

ctd position

Date: July 20, 17 Station: DB04.3 Time: 6pm local
Net Event # 216 CTD # 213 Time: UTC
Latitude: 71 13.856 N Longitude: 162 38.053 W
deg min. dec deg min. dec
Wire out: 40 Wire angle: 4 Bottom Depth: 47
Net Type: Tow Type:

	Flow serial#	Flow start	Flow end	Preservative	Notes:
Net 1	7115	2050	2330	f	
Net 2	236			e	

Additional Notes:

ctd position

no stenophanes
no krill
the larvae clear
+ copepods

arctic
c. glaci

arctic
c. glaci



Plankton Net Tow Log Sheet

Survey #:

Vessel:

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Project(s):

Contact:

Time Zone:

Note: please record UTC offset if time zones change during cruise

Date: July 20, 17	Station: DB04, 2	Time: 845 pm	local
Net Event # 222	CTD # 219	Time:	UTC
Latitude: 31.6.262	N Longitude: 162.15.793	deg min.dec	W
Wire out: 41	Wire angle:	Bottom Depth: 47	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1	153	7115	2560
Net 2	236		2300

Additional Notes:

ctd position

C51W

Date: July 20, 2017	Station: DB04, 1	Time: 1121 pm	local
Net Event # 228	CTD # 225	Time:	UTC
Latitude: 30.58.342	N Longitude: 161.54.234	deg min.dec	W
Wire out: 39	Wire angle:	Bottom Depth: 45	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1	153	7115	3020
Net 2	236		3260

Additional Notes:

ctd position

C51W

Date: July 21, 2017	Station: Berc-10	Time: 9:40	local
Net Event # 233	CTD # 230	Time:	UTC
Latitude: 31.37.125	N Longitude: 157.55.524	deg min.dec	W
Wire out: 54	Wire angle:	Bottom Depth: 63	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1	153	7115	3540
Net 2	236		3670

Additional Notes:

ctd position

Date: 21 Jul	Station: Berc-9	Time: 12 pm	local
Net Event # 238	CTD # 235	Time:	UTC
Latitude: 31.34.684	N Longitude: 157.50.251	deg min.dec	W
Wire out: 39	Wire angle:	Bottom Depth: 66	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1	153	7115	3900
Net 2	236		4050

Additional Notes:

ctd position. Time est.

X2

hyperbolic



Plankton Net Tow Log Sheet

Survey #: Vessel: Page: 13
Project(s): Contact:
Time Zone: Note: please record UTC offset if time zones change during cruise

Date: July 21, 17 Station: Barc 8 Time: 12 40 pm local
Net Event # 243 CTD # 240 Time: UTC
Latitude: 71 32.165 N Longitude: 157 45.380 W
deg min.dec deg min.dec
Wire out: 67 Wire angle: Bottom Depth: 73
Net Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7115 4160 4340 f
Net 2 236 e

Additional Notes:

ctd position

Date: July 21, 17 Station: Barc 7 Time: 230 pm local
Net Event # 249 CTD # 245 Time: UTC
Latitude: 71 29.886 N Longitude: 157 39.346 W
deg min.dec deg min.dec
Wire out: 80 Wire angle: Bottom Depth: 87
Net Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7115 4160 4340 f
Net 2 236 e

Additional Notes:

ctd position

Date: July 21, 17 Station: Barc 6 Time: 415 pm local
Net Event # 254 CTD # 251 Time: UTC
Latitude: 71 27.343 N Longitude: 157 34.715 W
deg min.dec deg min.dec
Wire out: 100 Wire angle: Bottom Depth: 111
Net Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7115 4830 5100 f
Net 2 236 e

Additional Notes:

ctd position

Date: July 21, 17 Station: Barc 5 Time: 650 local
Net Event # 260 CTD # 256 Time: UTC
Latitude: 71 24.586 N Longitude: 157 29.297 W
deg min.dec deg min.dec
Wire out: 100 Wire angle: Bottom Depth: 125
Net Type:
Flow serial# Flow start Flow end Preservative Notes:
Net 1 153 7115 5580 5760 f
Net 2 236 e

Additional Notes:



Plankton Net Tow Log Sheet

Survey #:

Vessel:

Page: 14

Project(s):

Contact:

Time Zone:

Note: please record UTC offset if time zones change during cruise

Copy to
Cruise Log
and
Sample
Log

Date: 21 Jul 14	Station: Bar C 4	Time: 6:40 pm	local
Net Event # 265	CTD # 262	Time:	UTC
Latitude: 71 22.372	N Longitude: 157 24.733	W	
deg min.dec	deg min.dec		
Wire out: 100	Wire angle:	Bottom Depth: 112	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1	153	7115	6020
Net 2	236		

Additional Notes:

ctd position

Date: 21 Jul 14	Station: Bar C 3	Time: 11 pm	local
Net Event # 270	CTD # 267	Time:	UTC
Latitude: 71 19.853	N Longitude: 157 19.788	W	
deg min.dec	deg min.dec		
Wire out: 90	Wire angle:	Bottom Depth: 93	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1	153	7115	8450
Net 2	236		

Additional Notes:

ctd position time estimated

Super
Sample
hard filter

Date: 21 Jul 14	Station: Bar C 2	Time: 12:30 Am	local
Net Event # 275	CTD # 272	Time:	UTC
Latitude: 71 17.303	N Longitude: 157 14.791	W	
deg min.dec	deg min.dec		
Wire out: 51	Wire angle:	Bottom Depth: 57	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1	153	7115	8880
Net 2	236		

Additional Notes:

ctd position

Sample
Tob
Sample
Tob

Date: 21 Jul 14	Station: Bar C 1	Time: 7 Am	local
Net Event # 280	CTD # 277	Time:	UTC
Latitude: 71 14.966	N Longitude: 157 9.395	W	
deg min.dec	deg min.dec		
Wire out: 100	Wire angle:	Bottom Depth: 47	
Net Type:	Tow Type:		
Mesh	Flow serial#	Flow start	Flow end
Net 1	153	7115	9460
Net 2	236		

Additional Notes:

ctd position