



Bongo: PBS bongo supplied by Tyler. Z.

Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordic Pearl Page: 1

Project(s): IPES

Contact: Moira

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 5 July 2022	Station: 11170	Time: 18:09	LOCAL
Net Event # 2	CTD # 1		
Latitude: 51° 03.474 N		Longitude: 127° 44.033 W	
deg	min.dec	deg	min.dec
Wire out: 115	Wire angle: 25	Bottom Depth: 123	
Net Type: BONGO	Tow Type: VNH		
Flow start: 19087	Flow end: 20514 19815	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes: Flow ⇒ size fractionated ⇒ 8mm, 1.7mm, 1mm, 0.25mm

Date: 11 July 2022	Station: 112983	Time: 16:07	LOCAL
Net Event # 5	CTD # 6		
Latitude: 51° 06.771 N		Longitude: 127° 52.422 W	
deg	min.dec	deg	min.dec
Wire out: 110	Wire angle: 10	Bottom Depth: 118	
Net Type: BONGO	Tow Type: BONGO VNH		
Flow start: 19415	Flow end: 20512	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes:

Date: 11 July 2022	Station: 11289	Time: 20:06	LOCAL
Net Event # 9	CTD # 10		
Latitude: 51° 05.596 N		Longitude: 128° 04.910 W	
deg	min.dec	deg	min.dec
Wire out: 150	Wire angle: 15	Bottom Depth: 157	
Net Type: BONGO	Tow Type: VNH		
Flow start: 20511	Flow end: 21605	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes:

Date: 12 July 2022	Station: 11040	Time: 23:49	LOCAL
Net Event # 13	CTD # 14		
Latitude: 51° 02.698 N		Longitude: 128° 02.375 W	
deg	min.dec	deg	min.dec
Wire out: 145	Wire angle: 10	Bottom Depth: 155	
Net Type: BONGO	Tow Type: VNH		
Flow start: 21605	Flow end: 22552	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes:

PBS
RBR
w/Temp.
probe.
RBR dnet T.D



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordie Pearl Page: 2

Project(s): IPES

Contact: Moira

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 12 July 22	Station: 11277	Time: 16:01	LOCAL
Net Event # 17	CTD # 18		
Latitude: 51° 07.538 N	Longitude: 126° 47.369 W		
deg min.dec	deg min.dec		
Wire out: 75	Wire angle: 15°	Bottom Depth: 86	
Net Type: BOW 40	Tow Type: VNH		
Flow start: 22551	Flow end: 23262	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes:

Date: 12 July 2022	Station: 11034	Time: 19:41	LOCAL
Net Event # 21	CTD # 22		
Latitude: 51° 02.744 N	Longitude: 128° 23.384 W		
deg min.dec	deg min.dec		
Wire out: 110	Wire angle: 5°	Bottom Depth: 121	
Net Type: BOW 60	Tow Type: VNH		
Flow start: 23163	Flow end: 23787	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes: Bongo dragged against ship's hull on recovery => muscles introduced into sample
Released 10 x Eutima sp.

Date: 12 July 2022	Station: 11156	Time: 23:30	LOCAL
Net Event # 25	CTD # 26		
Latitude: 51° 03.639 N	Longitude: 128° 31.848 W		
deg min.dec	deg min.dec		
Wire out: 105	Wire angle: 15°	Bottom Depth: 116	
Net Type: BOW 60	Tow Type: VNH		
Flow start: 23787	Flow end: 24548	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes:

Date: 13 July 2022	Station: 6059	Time: 15:51	LOCAL
Net Event # 29	CTD # 30		
Latitude: 49° 35.408 N	Longitude: 127° 00.619 W		
deg min.dec	deg min.dec		
Wire out: 90	Wire angle: 25°	Bottom Depth: 102	
Net Type: BOW 60	Tow Type: VNH		
Flow start: 24549	Flow end: 25080	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes:

Abn. Released 15 x Eutima
flora 2 x MIOCE



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordh Pearl Page: 3

Project(s): IPES

Contact: Moira

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 13 July 22	Station: 5937	Time: 18:35	LOCAL
Net Event # 33	CTD # 34		
Latitude: 49°32.320 N	Longitude: 126°51.597 W		
deg min.dec	deg min.dec		
Wire out: 55	Wire angle: 45	Bottom Depth: 65	
Net Type: BONGO	Tow Type: VNH		
Flow start: 25062	Flow end: 25469	Flow = frozen size fractionated	
		Non-flow = pickled	

Notes:

Date: 13 July 2022	Station: 5935	Time: 20:24	LOCAL
Net Event # 36	CTD # 37		
Latitude: 49°32.206 N	Longitude: 126°56.542 W		
deg min.dec	deg min.dec		
Wire out: 90	Wire angle: 8	Bottom Depth: 101	
Net Type: BONGO	Tow Type: VNH		
Flow start: 25470	Flow end: 26080	Flow = frozen size frac.	
		Non-flow = pickled	

Notes:

Released 90 x Eutonia, 1x MIOCE all s3
Non-flow

Date: 14 July 2022	Station: 5308 5687	Time: 03:42	LOCAL
Net Event # 402	CTD # 42		
Latitude: 49°28.855 N	Longitude: 126°50.185 W		
deg min.dec	deg min.dec		
Wire out: 70	Wire angle: 20	Bottom Depth: 81	
Net Type: BONGO	Tow Type: VNH		
Flow start: 26079	Flow end: 26664	Flow = frozen size frac.	
		Non-flow = pickled	

Notes:

Released 35 x Eutonia s3

Date: 14 July 2022	Station: 5308	Time: 19:06	LOCAL
Net Event # 45	CTD # 46		
Latitude: 49°22.448 N	Longitude: 127°03.950 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 23	Bottom Depth: 159	
Net Type: BONGO	Tow Type: VNH		
Flow start: 26665	Flow end: 28232	Flow = frozen size frac.	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nardie Pearl Page: 4

Project(s): IPES

Contact: Moira

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 15 July 2022	Station: 5561	Time: 23:20	LOCAL
Net Event # 49	CTD # 50		
Latitude: 49° 25.448 N	Longitude: 126° 54.913 W		
deg min.dec	deg min.dec		
Wire out: 110	Wire angle: 45°	Bottom Depth: 123	
Net Type: BONGO	Tow Type: VNH		
Flow start: 28235	Flow end: 29060	Flow = frozen size frac	
		Non-flow = pickled	
Notes: Paint chips in frozen-flow side			

Date: 15 July 2022	Station: 5062	Time: 15:59	LOCAL
Net Event # 52	CTD # 53		
Latitude: 49° 18.050 N	Longitude: 126° 52.247 W		
deg min.dec	deg min.dec		
Wire out: 130	Wire angle: 5	Bottom Depth: 143	
Net Type: BONGO	Tow Type: VNH		
Flow start: 29059	Flow end: 30010	Flow = frozen size frac	
		Non-flow = pickled	
Notes:			

Date: 15 July 2022	Station: 4810	Time: 16:40	LOCAL
Net Event # 56	CTD # 57		
Latitude: 49° 13.297 N	Longitude: 126° 57.473 W		
deg min.dec	deg min.dec		
Wire out: 175	Wire angle: 20	Bottom Depth: 185	
Net Type: BONGO	Tow Type: VNH		
Flow start: 30010	Flow end: 31250	Flow = frozen size frac	
		Non-flow = pickled	
Notes:			

Date: 15 July 2022	Station: 4812	Time: 23:00	LOCAL
Net Event # 60	CTD # 61		
Latitude: 49° 12.747 N	Longitude: 126° 51.703 W		
deg min.dec	deg min.dec		
Wire out: 140	Wire angle: 25	Bottom Depth: 151	
Net Type: BONGO	Tow Type: VNH		
Flow start: 32150	Flow end: 32562	Flow = frozen size frac	
		Non-flow = pickled	
Notes: 31250			

Non-flow released 1x Solmissup 03



Plankton Net Tow Log Sheet

Cruise #: 2022-016 Vessel: Nordic Pearl Page: 5

Project(s): 1 PCS

Contact: Maria

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 16 July 2022	Station: 4691	Time: 15:46	LOCAL
Net Event # 64	CTD # 65		
Latitude: 49° 10.551 N		Longitude: 126° 37.852 W	
deg	min.dec	deg	min.dec
Wire out: 115	Wire angle: 15	Bottom Depth: 126	
Net Type: Bongo	Tow Type: VNH		
Flow start 32362	Flow end 32977	Flow = frozen size frac	
		Non-flow = pickled	
Notes: Released 32x Eutonia, 5x MIOCE, 1x Boreo all S3 Non-flow S			

Date: 16 July 2022	Station: 4314	Time: 19:09	LOCAL
Net Event # 68	CTD # 69		
Latitude: 49° 04.569 N		Longitude: 126° 44.582 W	
deg	min.dec	deg	min.dec
Wire out: 155	Wire angle: 15	Bottom Depth: 168	
Net Type: Bongo	Tow Type: VNH		
Flow start 32978	Flow end 34097	Flow = frozen size frac	
		Non-flow = pickled	
Notes: Released 1x Solmissus S3 Non-flow S			

Date: July 2022	Station: 4441	Time: 22:44	LOCAL
Net Event # 72	CTD # 73		
Latitude: 49° 05.650 N		Longitude: 126° 39.337 W	
deg	min.dec	deg	min.dec
Wire out: 130	Wire angle: 20°	Bottom Depth: 140	
Net Type: Bongo	Tow Type: VNH		
Flow start 34095	Flow end 34981	Flow = frozen size frac	
		Non-flow = pickled	
Notes: Released 1x Solmissus, 6x Eutonia, 6x MIOCE S3 Non-flow S			

Date: 17 July 22	Station: 3578	Time: 15:56	LOCAL
Net Event # 76	CTD # 77		
Latitude: 48° 50.924 N		Longitude: 126° 01.293 W	
deg	min.dec	deg	min.dec
Wire out: 75	Wire angle: 30	Bottom Depth: 84	
Net Type: BONGO	Tow Type: VNH		
Flow start 34941	Flow end 35490	Flow = frozen	
		Non-flow = pickled	
Notes: Released 54 Eutonia 3 1 Pleurobrachia S3 Non-flow S			



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordic Pearl Page: 6

Project(s): IPES Contact: Moira

TSK Serial #: 6069 RBR serial #: 204145

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

Date: 17 July 22	Station: 3957	Time: 19:19	LOCAL
Net Event # 80	CTD # 81		
Latitude: 48° 56.493 N	Longitude: 126° 07.190 W		
deg min.dec	deg min.dec		
Wire out: 75	Wire angle: 25°	Bottom Depth: 83	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen size free.	
35490	36090	Non-flow = pickled	

Notes: Non-flow released 12x Eutima, 1x MIOLE all S3

Date: 17 July 22	Station: 3700	Time: 23:36	LOCAL
Net Event # 84	CTD # 85		
Latitude: 48° 52.976 N	Longitude: 126° 10.279 W		
deg min.dec	deg min.dec		
Wire out: 100	Wire angle: 20°	Bottom Depth: 109	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen size free.	
36090	36839	Non-flow = pickled	

Notes: Non-flow released 42x Eutima, 1x MIOLE, 1x Berce all S3

Date: 18 July 2022	Station: 3589	Time: 16:01	LOCAL
Net Event # 88	CTD # 89		
Latitude: 48° 49.324 N	Longitude: 126° 23.322 W		
deg min.dec	deg min.dec		
Wire out: 60	Wire angle: 15°	Bottom Depth: 70	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen size free.	
36838	37314	Non-flow = pickled	

Notes: Bongo rubbed ship's hull => ignore mussels & barnacles in pickled sample.

Date: 18 July 2022	Station: 3462	Time: 18:01	LOCAL
Net Event # 91	CTD # 92		
Latitude: 48° 47.173 N	Longitude: 125° 29.597 W		
deg min.dec	deg min.dec		
Wire out: 105	Wire angle: 15°	Bottom Depth: 112	
Net Type: BONGO	Tow Type: VNH		
Flow start	Flow end	Flow = frozen size free.	
37315	38079	Non-flow = pickled	

Notes: Both sides of bongo accidentally added together => double the flow (volume Everything pickled in one jar filtered)

this volume needs to be x2



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordik Pear Page: 7

Project(s): PES Contact: Moira

TSK Serial #: 6069 RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 20 July 22 Station: 10774 Time: 15:42 LOCAL

Net Event # 96 CTD # 97

Latitude: 50° 58.369 N Longitude: 128° 57.472 W
deg min.dec deg min.dec

Wire out: 65 Wire angle: 20° Bottom Depth: 760

Net Type: BONGO Tow Type: VNH

Flow start 38079 Flow end 38500 Flow = frozen Size fine

Non-flow = pickled

Notes: 5 unknown jelly released from pickler

Date: 20 July 22 Station: 10653 Time: 17:42 LOCAL

Net Event # 99 CTD # 100

Latitude: 50° 55.740 N Longitude: 128° 43.88095 W
deg min.dec deg min.dec

Wire out: 80 Wire angle: 10 Bottom Depth: 91

Net Type: Bongo Tow Type: Bongo VNH

Flow start 38503 Flow end 39521 Flow = frozen Size fine

Non-flow = pickled

Notes: Picked out 8 "witches net" type jelly fish from pickler

Date: 21 July 22 Station: 9906 Time: 15:33 LOCAL

Net Event # 104 CTD # 105

Latitude: 50° 42.125 N Longitude: 128° 33.077 W
deg min.dec deg min.dec

Wire out: 100 Wire angle: 70 Bottom Depth: 111

Net Type: Bongo Tow Type: VNH

Flow start 39520 Flow end 39725 Flow = frozen Size fine

Non-flow = pickled

Notes:

Date: 21 July 22 Station: 10282 Time: 17:16 LOCAL

Net Event # 107 CTD # 108

Latitude: 50° 48.443 N Longitude: 128° 30.160 W
deg min.dec deg min.dec

Wire out: 25 Wire angle: 30 Bottom Depth: 38

Net Type: Bongo Tow Type: VNH

Flow start 39725 Flow end 40050 Flow = frozen Size fine

Non-flow = pickled

Notes: Picked out 17 "witches net" jellies (Aurelia?)



Plankton Net Tow Log Sheet

Cruise #: 2077-010 Vessel: Nondie Pearl Page: 8

Project(s): IPES

Contact: Moira

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 21 July '22	Station: 10660	Time: 1938	LOCAL
Net Event # 110	CTD # 111		
Latitude: 50° 54.611 N	Longitude: 128° 20.147 W		
deg min.dec	deg min.dec		
Wire out: 65	Wire angle: 10	Bottom Depth: 78	
Net Type: Bongo	Tow Type: VNH		
Flow start 40050	Flow end 40605	Flow = frozen size fine	
		Non-flow = pickled	

Notes:

Date: 22 July 22	Station: 8909	Time: 15:34	LOCAL
Net Event # 116	CTD # 117		
Latitude: 50° 25.030 N	Longitude: 128° 21.986 W		
deg min.dec	deg min.dec		
Wire out: 180	Wire angle: 20	Bottom Depth: 191	
Net Type: Bongo	Tow Type: VNH		
Flow start 40605	Flow end 41920	Flow = frozen size fine	
		Non-flow = pickled	

Notes:

Date: 22 July 22	Station: 9281	Time: 17:46	LOCAL
Net Event # 119	CTD # 120		
Latitude: 50° 31.331 N	Longitude: 128° 31.833 W		
deg min.dec	deg min.dec		
Wire out: 180	Wire angle: 15	Bottom Depth: 191	
Net Type: Bongo	Tow Type: VNH		
Flow start 41920	Flow end 43120	Flow = frozen size fine	
		Non-flow = pickled	

Notes:

Date: 22 July 22	Station: 9658	Time: 21:34	LOCAL
Net Event # 123	CTD # 124		
Latitude: 50° 39.194 N	Longitude: 128° 25.918 W		
deg min.dec	deg min.dec		
Wire out: 70	Wire angle: 30	Bottom Depth: 80	
Net Type: Bongo	Tow Type: VNH		
Flow start 43125	Flow end 43655	Flow = frozen size fine	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordic Pearl Page: 9

Project(s): IPBS

Contact: Molrn

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 23 July '22	Station: 8529	Time: 15:33	LOCAL
Net Event # 78	CTD # 128		
Latitude: 50°15.942 N	Longitude: 128°04.813 W		
deg min.dec	deg min.dec		
Wire out: 85	Wire angle: 35	Bottom Depth: 96	
Net Type: Bongo	Tow Type: VNH		
Flow start 43655	Flow end 45980	Flow = frozen size frac	
		Non-flow = pickled	

Notes:

Date: 23 July '22	Station: 8914	Time: 18:47	LOCAL
Net Event # 131	CTD # 132		
Latitude: 50°24.797 N	Longitude: 128°05.729 W		
deg min.dec	deg min.dec		
Wire out: 65	Wire angle: 20	Bottom Depth: 74	
Net Type: Bongo	Tow Type: VNH		
Flow start 44485	Flow end 44980	Flow = frozen size frac	
		Non-flow = pickled	

Notes: & flow end 44980, not what it says on bottle. ★

Date: 24 July '22	Station: 7051	Time: 15:39	LOCAL
Net Event # 136	CTD # 137		
Latitude: 49°53.436 N	Longitude: 127°17.378 W		
deg min.dec	deg min.dec		
Wire out: 60	Wire angle: 25	Bottom Depth: 72	
Net Type: Bongo	Tow Type: VNH		
Flow start 44980	Flow end 45455	Flow = frozen size frac	
		Non-flow = pickled	

Notes:

Date: 24 July '22	Station: 7054	Time: 17:53	LOCAL
Net Event # 139	CTD # 140		
Latitude: 49°53.061 N	Longitude: 127°17.671 W		
deg min.dec	deg min.dec		
Wire out: 45	Wire angle: 20	Bottom Depth: 58	
Net Type: Bongo	Tow Type: VNH		
Flow start 45460	Flow end 45780	Flow = frozen size frac	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordic Pearl Page: 10

Project(s): IPES

Contact: Motru

TSK Serial #: 6069

RBR serial #: 6204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 25 July 22	Station: 3080	Time: 15:30	LOCAL
Net Event # 144	CTD # 145		
Latitude: 46°42.406 N	Longitude: 125°454.506 W		
deg min.dec	deg min.dec		
Wire out: 65	Wire angle: 10	Bottom Depth: 74	
Net Type: Bongo	Tow Type: VNH		
Flow start 45780	Flow end 46220	Flow = frozen size frac	
		Non-flow = pickled	

Notes:

Date: 25 July 22	Station: 2705	Time: 18:11	LOCAL
Net Event # 148	CTD # 149		
Latitude: 46°35.478 N	Longitude: 125°53.755 W		
deg min.dec	deg min.dec		
Wire out: 80	Wire angle: 15	Bottom Depth: 90	
Net Type: Bongo	Tow Type: VNH		
Flow start 46220	Flow end 46980	Flow = frozen size frac	
		Non-flow = pickled	

Notes: Picked out 133 jellyfish from pickled jar

Date: 26 July 22	Station: 2710	Time: 15:34	LOCAL
Net Event # 154	CTD # 155		
Latitude: 46°34.023 N	Longitude: 125°57.265 W		
deg min.dec	deg min.dec		
Wire out: 55	Wire angle: 15	Bottom Depth: 64	
Net Type: Bongo	Tow Type: VNH		
Flow start 46980	Flow end 47425	Flow = frozen size frac	
		Non-flow = pickled	

Notes:

Date: 26 July 22	Station: 2583	Time: 17:41	LOCAL
Net Event # 157	CTD # 158		
Latitude: 46°32.444 N	Longitude: 125°46.025 W		
deg min.dec	deg min.dec		
Wire out: 75	Wire angle: 15	Bottom Depth: 85	
Net Type: Bongo	Tow Type: VNH		
Flow start 47420	Flow end 48070	Flow = frozen size frac	
		Non-flow = pickled	

Notes: Picked out 49 small jellyfish from pickled jar.



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordic Pearl Page: 11

Project(s): IPES

Contact: Morin

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 26 July '22	Station: 2460	Time: 19:03	LOCAL
Net Event # 160	CTD # 161		
Latitude: 44°31.021 N	Longitude: 125°39.404 W		
deg min.dec	deg min.dec		
Wire out: 75	Wire angle: 25	Bottom Depth: 87	
Net Type: Bongo	Tow Type: VNH		
Flow start 48870	Flow end 48650	Flow = frozen Size Proc	
		Non-flow = pickled	
Notes: picked 23 Jellyfish from pickled jar			

Date: 27 July '22	Station: 3713	Time: 16:13	LOCAL
Net Event # 166	CTD # 167		
Latitude: 44°50.983 N	Longitude: 125°28.866 W		
deg min.dec	deg min.dec		
Wire out: 70	Wire angle: 20	Bottom Depth: 81	
Net Type: Bongo	Tow Type: VNH		
Flow start 48645	Flow end 49085	Flow = frozen Size Proc	
		Non-flow = pickled	
Notes:			

Date: 27 July '22	Station: 3360	Time: 19:02	LOCAL
Net Event # 170	CTD # 171		
Latitude: 44°55.373 N	Longitude: 125°37.756 W		
deg min.dec	deg min.dec		
Wire out: 90	Wire angle: 15	Bottom Depth: 100	
Net Type: Bongo	Tow Type: VNH		
Flow start 49085	Flow end 49782	Flow = frozen Size Proc	
		Non-flow = pickled	
Notes:			

Date: 28 July '22	Station: 3820	Time: 15:39	LOCAL
Net Event # 174	CTD # 175		
Latitude: 44°55.621 N	Longitude: 126°25.146 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 15	Bottom Depth: 160	
Net Type: Bongo	Tow Type: VNH		
Flow start 50289	Flow end 51152	Flow = frozen Size Proc	
		Non-flow = pickled	
Notes:			

7x Solmissus, 3x Phinidium, 5x Eutima (?) picked from pickled sample



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordic Pearl Page: 12

Project(s): IPES

Contact: Moira

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 28 July '22	Station: 3448	Time: 17:42	LOCAL
Net Event # 177	CTD # 178		
Latitude: 48°49.348 N	Longitude: 126°17.708 W		
deg min.dec	deg min.dec		
Wire out: 150	Wire angle: 5	Bottom Depth: 161	
Net Type: Bongo	Tow Type: VNH		
Flow start 51152	Flow end 52105	Flow = frozen size fract	
		Non-flow = pickled	

Notes: 22 Pholidium, 3 Eutima picked from pickled sample

Date: 28 July '22	Station: 3201	Time: 19:31	LOCAL
Net Event # 180	CTD # 181		
Latitude: 48°44.421 N	Longitude: 126°08.274 W		
deg min.dec	deg min.dec		
Wire out: 115	Wire angle: 25	Bottom Depth: 128	
Net Type: Bongo	Tow Type: VNH		
Flow start 52105	Flow end 52925	Flow = frozen size fract	
		Non-flow = pickled	

Notes: 10 Pholidium, 5 Eutima from pickled sample

Date: 29 July '22	Station: 2334	Time: 15:29	LOCAL
Net Event # 186	CTD # 187		
Latitude: 48°29.074 N	Longitude: 125°42.962 W		
deg min.dec	deg min.dec		
Wire out: 90	Wire angle: 0	Bottom Depth: 103	
Net Type: BONGO	Tow Type: VNH		
Flow start 52925	Flow end 53590	Flow = frozen size fract	
		Non-flow = pickled	

Notes:

Date: 29 July '22	Station: 1959	Time: 17:20	LOCAL
Net Event # 189	CTD # 190		
Latitude: 48°22.616 N	Longitude: 125°42.287 W		
deg min.dec	deg min.dec		
Wire out: 140	Wire angle: 100	Bottom Depth: 150	
Net Type: BONGO	Tow Type: VNH		
Flow start 53952	Flow end 54380	Flow = frozen size fract	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nordic Pearl Page: 13

Project(s): IPES

Contact: Moira

TSK Serial #: 606A

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 29 July '22	Station: 1708	Time: 18:59	LOCAL
Net Event # 192	CTD # 193		
Latitude: 48°18.383	N	Longitude: 125°45.422	W
deg min.dec		deg min.dec	
Wire out: 155	Wire angle: 10	Bottom Depth: 165	
Net Type: Bongo	Tow Type: VNH		
Flow start 54382	Flow end 55454	Flow = frozen size frac	
		Non-flow = pickled	

Notes: 2 comb jellys (1 long 8 pink, 1 pea sized), 1 pholidium & 1 Aegina in pickled sample

Date: 30 July '22	Station: 2465	Time: 15:29	LOCAL
Net Event # 198	CTD # 199		
Latitude: 48°29.490	N	Longitude: 125°21.017	W
deg min.dec		deg min.dec	
Wire out: 135	Wire angle: 25	Bottom Depth: 147	
Net Type: Bongo	Tow Type: VNH		
Flow start 55458	Flow end 56442	Flow = frozen size frac	
		Non-flow = pickled	

Notes:

Date: 30 July '22	Station: 2214	Time: 17:13	LOCAL
Net Event # 201	CTD # 202		
Latitude: 48°26.752	N	Longitude: 125°24.662	W
deg min.dec		deg min.dec	
Wire out: 145	Wire angle: 20	Bottom Depth: 158	
Net Type: Bongo	Tow Type: VNH		
Flow start 5640	Flow end 57638	Flow = frozen size frac	
		Non-flow = pickled	

Notes: 1 pholidium from pickled sample

Date: 30 July '22	Station: 2211	Time: 19:02	LOCAL
Net Event # 204	CTD # 205		
Latitude: 48°25.614	N	Longitude: 125°34.536	W
deg min.dec		deg min.dec	
Wire out: 115	Wire angle: 25	Bottom Depth: 128	
Net Type: Bongo	Tow Type: VNH		
Flow start 57640	Flow end 58778	Flow = frozen size frac	
		Non-flow = pickled	

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022-010 Vessel: Nondur Pen 1 Page: 14

Project(s): IPES

Contact: Moira

TSK Serial #: 6069

RBR serial #: 204195

Time offset = +

hrs = UTC (please record local time for samples)

Date: 31 July 2022	Station: 2847	Time: 15:31	LOCAL
Net Event # 210	CTD # 211		
Latitude: 46°35.463 N	Longitude: 124°58.002 W		
deg min.dec	deg min.dec		
Wire out: 50	Wire angle: 5	Bottom Depth: 60	
Net Type: Bongo	Tow Type: VNH		
Flow start 58778	Flow end 59110	Flow = frozen size fract	
		Non-flow = pickled	

Notes:

Date: 31 July 22	Station: 2843	Time: 17:39	LOCAL
Net Event # 213	CTD # 214		
Latitude: 46°35.786 N	Longitude: 125°11.272 W		
deg min.dec	deg min.dec		
Wire out: 105	Wire angle: 5	Bottom Depth: 113	
Net Type: Bongo	Tow Type: VNH		
Flow start 59110	Flow end 59878	Flow = frozen size fract	
		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	STN	Depth	Wire out	Flow in	Flow out	LO
5 July 22	11170	123	110	19087	20814	15
11 July 22	11245	118	110	20815	20512	10
	11289			19915		
11 Jul 22	11289	157	150	20511	21605	15
11 Jul 22	11040	155	145	21605	22552	10
2 Jul 22	11277	86	75	22551	23262	15
2 Jul 22	11156	121	110	23163	23787	5
12 Jul 22	11034					
12 Jul 22	11156	116	105	23787	24548	15
13 Jul 22	16059	102	90	24549	25080	25
13 Jul 22	5937	64	55	25082	25469	15
13 Jul 22	5935	101	90	25470	26080	8
14 Jul 22	5687	81	70	26079	26664	20
14 Jul 22	5308	159	150	26665	28232	25
15 Jul 22	5561	123	110	28235	29060	15
15 July 22	5062	143	130	29059	30010	15
15 July 22	4810	185	175	30010	31250	20
15 Jul 22	4812	151	140	31250	32362	25
16 July 22	4491	126	115	32362	32977	15
16 Jul 22	4314	168	155	32978	34097	15

Date	Sta	Depth	Wire cut	Flow in	Flow out	L°
0 July 22	10774	76	65	38079	38500	20
10 July 22	10653	91	88	38523	39521	10
21 July 22	9906	111	100	39520	39725	20
21 July 22	10282	38	25	39725	40050	30
21 July 22	10660	78	65	40050	40605	10
22 July 22	8909	191	180	40605	41920	20
22 July 22	9281	191	180	41920	43120	15
22 July 22	9658	80	70	43125	43655	30
23 July 22	8535	96	85	43655	44485	35
23 July 22	8914	74	65	44485	44980	20
24 July 22	7057	72	60	44980	45455	25
24 July 22	7054	58	45	45460	45780	20
25 July 22	3080	74	65	45780	46220	10
25 July 22	2705	90	80	46220	46980	15
26 July 22	2710	64	55	46980	47425	15
26 July 22	2583	85	75	47430	48070	15
26 July 22	2460	87	75	48070	48650	25
27 July 22	3713	88	70	48645	49085	20
27 July 22	3960	100	90	49085	49782	15
28 July 22	3820	160	150	50289	51152	15

Date	Stn	Depth	Wire out	Flow in	Flow out	L ₀
01 July 22	2465	147	135	55458	56442	25
30 July 22	2214	158	145	56540	57638	20
30 July 22	2211	128	115	57640	58778	25
31 July 22	2847	60	50	58778	59110	5
31 July 22	2843	113	105	59110	59878	5