

Table 1.

Stations	Latitude	Longitude	Depth	TOC, %	MUD
13-1998	78° 13.70'N	15°40.20'E	39	2,27	97,54
14-1998	78° 14.00'N	15°36.80'E	62	2,19	99,30
15-1998	78° 14.50'N	15°33.50'E	57	3,45	97,14
16-1998	78° 15.40'N	15°35.50'E	77	2,50	93,14
13-2005	78° 13.63'N	15°40.03'E	29	0,89	35,97
14-2005	78° 14.00'N	15°36.80'E	68	1,71	98,75
15-2005	78° 14.56'N	15°37.23'E	70	2,27	95,00
16-2005	78° 15.40'N	15°35.50'E	80	1,71	92,77

Table 2.

Stations	A	S	H	P	ES (100)
13-1998	7620	32	2,8	0,6	12
14-1998	7753	37	2,5	0,5	13
15-1998	11093	40	2,3	0,4	13
16-1998	6020	50	3,4	0,6	20
13-2005	10468	39	1,9	0,4	11
14-2005	3298	25	2,5	0,5	12
15-2005	5053	45	3,0	0,6	17
16-2005	3088	41	3,7	0,7	20

Table 3.

Adventfjorden 1998

Station 13	Phy.	No.	Station 14	Phy.	No.
<i>Chaetozone</i> sp.	A	3083	<i>Chaetozone</i> sp.	A	3443
<i>Cossura longocirrata</i>	A	1610	<i>Cossura longocirrata</i>	A	2450
<i>Axinopsida orbiculata</i>	M	927	<i>Cauleriella zetlandica</i>	A	317
<i>Cylichna alba</i>	M	597	<i>Cylichna alba</i>	M	267
<i>Heteromastus filiformis</i>	A	433	<i>Axinopsida orbiculata</i>	M	263
<i>Aphelochaeta</i> sp.	A	313	<i>Aphelochaeta</i> sp.	A	233
<i>Capitella capitata</i>	A	213	<i>Capitella capitata</i>	A	230
<i>Macoma calcarea</i>	M	113	<i>Macoma calcarea</i>	M	90
<i>Cauleriella zetlandica</i>	A	73	<i>Yoldia hyperborea</i>	M	63
<i>Nemertini</i> indet.	N	37	<i>Heteromastus filiformis</i>	A	53
Station 15	Phy.	No.	Station 16	Phy.	No.
<i>Chaetozone</i> sp.	A	6570	<i>Chaetozone</i> sp.	A	2173
<i>Axinopsida orbiculata</i>	M	1653	<i>Aphelochaeta</i> sp.	A	1387
<i>Cossura longocirrata</i>	A	870	<i>Cossura longocirrata</i>	A	417
<i>Aphelochaeta</i> sp.	A	587	<i>Leitoscoloplos mammosus</i>	A	237
<i>Thyasira gouldi</i>	M	157	<i>Thyasira gouldi</i>	M	230
<i>Maldane sarsi</i>	A	150	<i>Cauleriella zetlandica</i>	A	217
<i>Terebellides stroemi</i>	A	147	<i>Terebellides stroemi</i>	A	177
<i>Yoldia hyperborea</i>	M	127	<i>Heteromastus filiformis</i>	A	173
<i>Priapulius caudatus</i>	Pr	107	<i>Axinopsida orbiculata</i>	M	157
<i>Heteromastus filiformis</i>	A	83	<i>Maldane sarsi</i>	A	140

Adventfjorden 2005

Station 13	Phy.	No.	Station 14	Phy.	No.
<i>Capitella capitata</i>	A	6545	<i>Chaetozone</i> sp.	A	1643
<i>Chaetozone</i> sp.	A	1840	<i>Cylichna</i> sp.	A	473
<i>Axinopsida orbiculata</i>	M	875	<i>Cossura longocirrata</i>	A	438
<i>Heteromastus filiformis</i>	A	180	<i>Capitella capitata</i>	A	215
<i>Aricidea</i> sp.	A	170	<i>Axinopsida orbiculata</i>	M	193
<i>Scoloplos acutus</i>	A	168	<i>Ennucula tenuis</i>	M	68
<i>Macoma calcarea</i>	M	140	<i>Ophiocten sericeum</i>	E	53
<i>Lysianassidie</i> indet.	C	103	<i>Heteromastus filiformis</i>	A	45
<i>Ophryotrocha</i> sp.	A	90	<i>Thyasira gouldi</i>	M	30
<i>Mya truncata</i>	M	53	<i>Macoma calcarea</i>	M	18
Station 15	Phy.	No.	Station 16	Phy.	No.
<i>Chaetozone</i> sp.	A	1890	<i>Chaetozone</i> sp.	A	905
<i>Cylichna</i> sp.	M	1308	<i>Maldane sarsi</i>	A	503
<i>Thyasira gouldi</i>	M	438	<i>Thyasira gouldi</i>	M	340
<i>Axionice flexuosa</i>	A	243	<i>Pectinaria hyperborea</i>	A	148
<i>Scoloplos acutus</i>	A	188	<i>Axinopsida orbiculata</i>	M	145
<i>Terebellides stroemi</i>	A	148	<i>Terebellides stroemi</i>	A	135
<i>Ophiocten sericeum</i>	E	118	<i>Yoldia hyperborea</i>	M	125
<i>Ennucula tenuis</i>	M	108	<i>Scoloplos acutus</i>	A	120
<i>Macoma calcarea</i>	M	78	<i>Cylichna</i> sp.	M	108
<i>Heteromastus filiformis</i>	A	63	<i>Macoma calcarea</i>	M	70

Appendix 1.

Adventfjorden 1998

Species name	Phylum	Class	St.13	St.14	St.15	St.16
<i>Chaetozone</i> sp.	ANNEL	Polychaeta	925	1033	1971	652
<i>Cossura longocirrata</i>	ANNEL	Polychaeta	483	735	261	125
<i>Axinopsida orbiculata</i>	MOLLU	Bivalvia	278	79	496	47
<i>Aphelochaeta</i> sp.	ANNEL	Polychaeta	94	70	176	416
<i>Cylichna alba</i>	MOLLU	Opisthobranchia	179	80	2	8
<i>Heteromastus filiformis</i>	ANNEL	Polychaeta	130	16	25	52
<i>Caulleriella zetlandica</i>	ANNEL	Polychaeta	22	95	15	65
<i>Capitella capitata</i>	ANNEL	Polychaeta	64	69	13	16
<i>Thyasira gouldi</i>	MOLLU	Bivalvia	0	13	47	69
<i>Leitoscoloplos mammosus</i>	ANNEL	Polychaeta	9	4	19	71
<i>Terebellides stroemi</i>	ANNEL	Polychaeta	0	4	44	53
<i>Maldane sarsi</i>	ANNEL	Polychaeta	0	13	45	42
<i>Macoma calcarea</i>	MOLLU	Bivalvia	34	27	23	11
<i>Yoldia hyperborea</i>	MOLLU	Bivalvia	3	19	38	18
<i>Priapulus caudatus</i>	PRIAP		7	0	32	8
<i>Pectinaria hyperborea</i>	ANNEL	Polychaeta	0	1	22	14
<i>Nuculoma tenuis</i>	MOLLU	Bivalvia	1	16	9	8
<i>Schistomeringos</i> sp.	ANNEL	Polychaeta	0	1	12	17
<i>Nuculana pernula</i>	MOLLU	Bivalvia	0	5	14	10
<i>Ampharete baltica</i>	ANNEL	Polychaeta	5	4	13	4
<i>Annelida</i> indet.	ANNEL		7	16	0	1
<i>Nemertini</i> indet.	NEMER		11	1	4	5
<i>Serripes groenlandicus</i>	MOLLU	Bivalvia	5	1	2	7
<i>Lumbrineris mixochaeta</i>	ANNEL	Polychaeta	2	0	5	4
<i>Melita pallida</i>	CRUST	Malacostraca	0	0	0	11
<i>Mya truncata</i>	MOLLU	Bivalvia	3	1	6	1
<i>Retusa</i> sp.	MOLLU	Opisthobranchia	0	3	2	5
<i>Margarites olivaceus</i>	MOLLU	Prosobranchia	0	3	1	6
<i>Pontoporeia femorata</i>	CRUST	Malacostraca	0	0	8	1
<i>Ophiocten sericeum</i>	ECHIN	Ophiuroidea	0	1	2	5
<i>Nuculana minuta</i>	MOLLU	Bivalvia	0	0	0	8
<i>Scalibregma inflatum</i>	ANNEL	Polychaeta	0	3	0	4
<i>Mysella</i> sp.	MOLLU	Bivalvia	0	0	5	1
<i>Menestho truncatula</i>	MOLLU	Opisthobranchia	0	0	0	6
<i>Diastylis rathkei</i>	CRUST	Malacostraca	0	2	2	2
<i>Ophelina acuminata</i>	ANNEL	Polychaeta	0	2	1	2
<i>Eteone flava/longa</i>	ANNEL	Polychaeta	1	0	3	1
<i>Ciliatocardium ciliatum</i>	MOLLU	Bivalvia	5	0	0	0
<i>Admete viridula</i>	MOLLU	Prosobranchia	0	0	0	5
<i>Thyasira dunbari</i>	MOLLU	Bivalvia	2	2	0	0
<i>Leaena ebranchiata</i>	ANNEL	Polychaeta	1	1	0	2
<i>Aricidea suecica</i>	ANNEL	Polychaeta	4	0	0	0
<i>Frigidoalvania cruenta</i>	MOLLU	Prosobranchia	0	0	0	4
<i>Tridonta borealis</i>	MOLLU	Bivalvia	0	0	0	4
<i>Levinsenia gracilis</i>	ANNEL	Polychaeta	3	0	0	0
<i>Euspira pallida</i>	MOLLU	Prosobranchia	0	0	0	3
<i>Apistobranchus</i> sp.	ANNEL	Polychaeta	1	0	0	1
<i>Galathowenia oculata</i>	ANNEL	Polychaeta	0	0	2	0
<i>Polycirrus arcticus</i>	ANNEL	Polychaeta	0	0	2	0
<i>Tridonta montagui</i>	MOLLU	Bivalvia	0	0	0	2
<i>Aphelochaeta marioni</i>	ANNEL	Polychaeta	2	0	0	0
<i>Polydora</i> sp.juv	ANNEL	Polychaeta	1	0	0	1

<i>Artacama proboscidea</i>	ANNEL	Polychaeta	0	0	0	2
<i>Lysianassidae</i> indet.	CRUST	Malacostraca	1	0	0	1
<i>Leucon</i> sp.	CRUST	Malacostraca	0	0	0	2
<i>Yoldiella solidula</i>	MOLLU	Bivalvia	0	1	0	0
<i>Lumbriclymene cylindricaudata</i>	ANNEL	Polychaeta	0	0	0	1
<i>Golfingia</i> sp.	SIPUN		0	0	1	0
<i>Langerhansia cornuta</i>	ANNEL	Polychaeta	0	0	1	0
<i>Phyllodoce groenlandica</i>	ANNEL	Polychaeta	0	0	1	0
<i>Scoloplos armiger</i>	ANNEL	Polychaeta	1	0	0	0
<i>Gammaridea</i> indet.	CRUST	Malacostraca	0	0	1	0
<i>Cuspidaria</i> sp.	MOLLU	Bivalvia	0	1	0	0
<i>Myriotrochus rinkii</i> juv.	ECHIN	Holothuroidea	1	0	0	0
<i>Euchone analis</i>	ANNEL	Polychaeta	0	0	1	0
<i>Buccinum polare</i>	MOLLU	Prosobranchia	0	1	0	0
<i>Cnidaria</i> indet.	CNIDA		0	1	0	0
<i>Priapulida</i> indet.	PRIAP		0	1	0	0
<i>Caprella</i> sp.	CRUST	Malacostraca	0	1	0	0
<i>Sabinea septemcarinatus</i>	CRUST	Malacostraca	0	0	0	1
<i>Buccinum</i> sp.	MOLLU	Prosobranchia	1	0	0	0
<i>Portlandia arctica</i>	MOLLU	Bivalvia	0	0	1	0
		No.spe	32	37	40	50
		No.Ind.	2286	2326	3328	1805
		No.Spe.tot.	72			
		No.Ind.tot.	9745			

Appendix 2.

Adventfjorden 2005

Species name	Phylum	Class	St.13	St.14	St.15	St.16
<i>Capitella capitata</i>	ANNEL	Polychaeta	2618	86	1	0
<i>Chaetozone</i> sp.	ANNEL	Polychaeta	736	657	756	362
<i>Cylichna</i> sp.	MOLLU	Opisthobranchi	3	189	523	43
<i>Axinopsida orbiculata</i>	MOLLU	Bivalvia	350	77	8	58
<i>Thyasira gouldi</i>	MOLLU	Bivalvia	0	12	175	136
<i>Maldane sarsi</i>	ANNEL	Polychaeta	0	0	20	201
<i>Cossura longocirrata</i>	ANNEL	Polychaeta	9	175	20	4
<i>Scoloplos acutus</i>	ANNEL	Polychaeta	67	6	75	48
<i>Heteromastus filiformis</i>	ANNEL	Polychaeta	72	18	25	23
<i>Macoma calcarea</i>	MOLLU	Bivalvia	56	7	31	28
<i>Axionice flexuosa</i>	ANNEL	Polychaeta	0	0	97	21
<i>Terebellides stroemi</i>	ANNEL	Polychaeta	0	3	59	54
<i>Ophiosten sericeum</i>	ECHIN	Ophiuroidea	0	21	47	16
<i>Ennucula tenuis</i>	MOLLU	Bivalvia	0	27	43	9
<i>Aricidea</i> sp.	ANNEL	Polychaeta	68	0	0	0
<i>Yoldia hyperborea</i>	MOLLU	Bivalvia	3	2	8	50
<i>Pectinaria hyperborea</i>	ANNEL	Polychaeta	0	1	1	59
<i>Lysianassidae</i> indet.	CRUST	Malacostraca	41	1	2	0
<i>Aphelocheata</i> sp.	ANNEL	Polychaeta	10	5	11	16
<i>Nuculana pernula</i>	MOLLU	Bivalvia	0	4	13	24
<i>Priapulus caudatus</i>	PRIAP		9	3	21	5
<i>Ophryotrocha</i> sp.	ANNEL	Polychaeta	36	0	0	0
<i>Nemertini</i> indet.	NEMER		11	0	2	13
<i>Eteone flava/longa</i>	ANNEL	Polychaeta	7	7	7	4
<i>Diastylis rathkei</i>	CRUST	Malacostraca	1	5	8	8
<i>Mya truncata</i>	MOLLU	Bivalvia	21	0	0	0
<i>Thyasira dunbari</i>	MOLLU	Bivalvia	0	7	9	4
<i>Menestho truncatula</i>	MOLLU	Opisthobranchi	0	0	11	5
<i>Astarte borealis</i>	MOLLU	Bivalvia	0	0	4	9
<i>Mysella</i> sp.	MOLLU	Bivalvia	0	0	8	4
<i>Pontoporeia femorata</i>	CRUST	Malacostraca	7	0	2	2
<i>Echiurida</i> indet.	ECHIU		6	2	2	0
<i>Admete viridula</i>	MOLLU	Prosobranchia	0	0	7	2
<i>Spio arctica</i>	ANNEL	Polychaeta	9	0	0	0
<i>Scoloplos armiger</i>	ANNEL	Polychaeta	8	0	0	0
<i>Ciliatocardium ciliatum</i>	MOLLU	Bivalvia	0	0	2	5
<i>Musculus</i> sp.	MOLLU	Bivalvia	0	0	6	1
<i>Aricidea hartmani</i>	ANNEL	Polychaeta	6	0	0	0
<i>Peloniaia corrugata</i>	TUNIC	Ascidacea	6	0	0	0
<i>Paroedicerus lynceus</i>	CRUST	Malacostraca	5	0	0	0
<i>Ampharete lindstroemi</i>	ANNEL	Polychaeta	0	0	0	4
<i>Brada villosa</i>	ANNEL	Polychaeta	2	0	1	1
<i>Margarites</i> sp.	MOLLU	Prosobranchia	0	0	1	3
<i>Ophiuroidea</i> indet.juv.	ECHIN	Ophiuroidea	0	0	3	1
<i>Portlandia arctica</i>	MOLLU	Bivalvia	0	2	2	0
<i>Edwardsia</i> sp.	CNIDA	Anthozoa	3	0	0	0
<i>Galathowenia oculata</i>	ANNEL	Polychaeta	0	0	1	2
<i>Gammaridea</i> indet.	CRUST	Malacostraca	2	1	0	0
<i>Polydora</i> sp.	ANNEL	Polychaeta	0	0	0	3
<i>Actiniaria</i> indet.	CNIDA	Anthozoa	2	0	0	0
<i>Eteone spetsbergensis</i>	ANNEL	Polychaeta	2	0	0	0
<i>Euspira pallida</i>	MOLLU	Prosobranchia	0	0	1	1
<i>Frigidoalvania cruenta</i>	MOLLU	Prosobranchia	0	0	2	0
<i>Platyhelminthes</i> indet.	PLATY		2	0	0	0

<i>Serripes groenlandicus</i>	MOLLU	Bivalvia	0	0	0	2
<i>Spio armata</i>	ANNEL	Polychaeta	2	0	0	0
<i>Ampharete acutifrons</i>	ANNEL	Polychaeta	1	0	0	0
<i>Ampharete</i> sp.	ANNEL	Polychaeta	0	0	1	0
<i>Astarte montagui</i>	MOLLU	Bivalvia	0	0	1	0
<i>Cryptonatica affinis</i>	MOLLU	Prosobranchia	0	0	0	1
<i>Gattyana cirrhosa</i>	ANNEL	Polychaeta	0	0	0	1
<i>Haploops</i> sp.	CRUST	Malacostraca	0	0	0	1
<i>Laphania boeckii</i>	ANNEL	Polychaeta	0	0	1	0
<i>Liocyma fluctuosa</i>	MOLLU	Bivalvia	1	0	0	0
<i>Nematoda</i> indet.	NEMAT		1	0	0	0
<i>Nephtys ciliata</i>	ANNEL	Polychaeta	1	0	0	0
<i>Nuculana minuta</i>	MOLLU	Bivalvia	0	0	1	0
<i>Paradoneis eliasoni</i>	ANNEL	Polychaeta	1	0	0	0
<i>Pherusa</i> sp.	ANNEL	Polychaeta	1	0	0	0
<i>Pholoe inornata</i>	ANNEL	Polychaeta	0	0	1	0
<i>Pogonophora</i> indet.	POGON		0	0	1	0
<i>Priapulida</i> indet.	PRIAP		0	1	0	0
<i>Sabellidae</i> indet.	ANNEL	Polychaeta	1	0	0	0
<i>Schistomeringos</i> sp.	ANNEL	Polychaeta	0	0	0	1
		No.Spe.	39	25	45	41
		No.Ind.	4187	1319	2021	1235
		No.Spe.tot.	74			
		No.Ind.tot.	8762			