



# Norwegian State Pollution Monitoring Programme

## Report 775/99

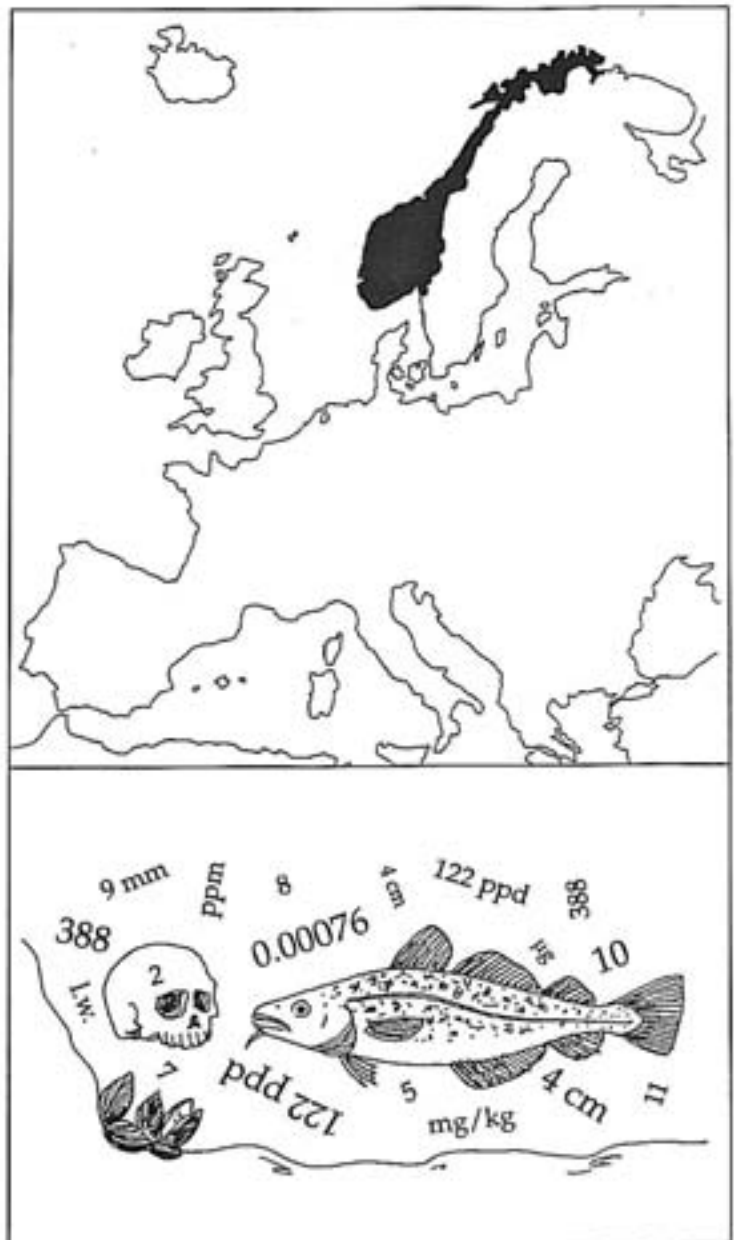
Client Norwegian Pollution Control Authority

Contractor NIVA

Joint Assessment and Monitoring Programme (JAMP)

Contaminants in shellfish 1993 - 1997

Norwegian biota data



<b>Main Office</b> P.O. Box 173, Kjelsås N-0411 Oslo Norway Phone (47) 22 18 51 00 Telefax (47) 22 18 52 00	<b>Regional Office, Sørlandet</b> Televæien 1 N-4890 Grimstad Norway Phone (47) 37 29 50 55 Telefax (47) 37 04 45 13	<b>Regional Office, Østlandet</b> Sandvikaveien 41 N-2312 Ottestad Norway Phone (47) 62 57 64 00 Telefax (47) 62 57 66 53	<b>Regional Office, Vestlandet</b> Nordnesboder 5 N-5008 Bergen Norway Phone (47) 55 30 22 50 Telefax (47) 55 30 22 51	<b>Akvaplan-NIVA A/S</b> Sandre Tollbugate 3 N-9000 Tromsø Norway Phone (47) 77 68 52 80 Telefax (47) 77 68 05 09
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<b>Title</b> Joint Assessment and Monitoring Programme (JAMP). Contaminants in shellfish 1993-1997 Norwegian biota data  (Norwegian State Pollution Monitoring Programme Report no. 775/99. TA-no. 1667/1999)	<b>Serial No.</b> 4083-99	<b>Date</b> 1999.11.10
	<b>Report No. Sub-No.</b> O-80106	<b>Pages Price</b> 206
<b>Author(s)</b> Norman W. Green Gunnar Severinsen	<b>Topic group</b> Marine ecology	<b>Distribution</b>
	<b>Geographical area</b> Oslofjord to Varangerfjord	<b>Printed</b> NIVA

<b>Client(s)</b> Norwegian Pollution Control Authority (SFT)	<b>Client ref.</b>
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<b>Abstract</b> This report is a compilation of data on contaminant concentrations in marine organisms used in the Norwegian contribution to the Joint Assessment and Monitoring Programme (JAMP) and concerns mainly selected metals organochlorines, polycyclic aromatic hydrocarbons that were collected during the period 1993-1997
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<b>4 keywords, Norwegian</b> 1. Miljøgifter 2. Organismer 3. Marin 4. Norge	<b>4 keywords, English</b> 1. Micropollutants 2. Organisms 3. Marine 4. Norway
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 Norman W. Green  
 Project manager

ISBN 82-577-3689-9

  
 Bjorn Braaten  
 Head of research department

CONTAMINANTS

Norwegian Institute for Water Research

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**O-80106**

**JOINT ASSESSMENT AND MONITORING PROGRAMME (JAMP),  
CONTAMINANTS IN SHELLFISH 1993-1997  
Norwegian biota data**

Oslo, 10 November 1999

Project co-ordinator: Norman W. Green

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## *Foreword*

*This report presents the Norwegian data for contaminants in organisms 1993-1997 compiled for the Joint Assessment and Monitoring Programme (JAMP). JAMP is administered by the Oslo and Paris Commissions (OSPAR) and their Environmental Assessment and Monitoring Committee (ASMO). JAMP receives guidance from the International Council for the Exploration of the Sea (ICES).*

*The Norwegian JMP was carried out by the Norwegian Institute for Water Research (NIVA) by contract from the Norwegian State Pollution Control Authority (SFT, NIVA contract 80106). Norwegian Institute for Air Research (NILU) has also contributed.*

*The Norwegian contribution to the JAMP was initiated by SFT in 1981 as part of the national monitoring programme. Three main areas have been investigated: the Oslofjord and adjacent areas (Hvaler-Singlefjord area and Langesundsford, 1981-), Sørjord/Hardangerfjord (1983-84, 1987-) and Orkdalsfjord area (1984-89, 1991-93, 1995-96).*

*Initiated by the North Sea Task Force Monitoring Master Plan in 1990, Arendal, Lista and Bomlo-Sotra areas have also been monitored. On the initiative of SFT and NIVA "reference" or merely diffusely contaminated areas from Bergen to Lofoten have been monitored since 1992 and from Lofoten to Norwegian-Russian border from 1994.*

*The report is one of three data reports covering this period (1993-1997):*

- 1. Contaminants in shellfish 1993-1997,  
SFT report no. 775/99, NIVA report no. 4083-99*
- 2. Contaminants in fish 1993-1997  
SFT report no. 776/99, NIVA report no. 4084-99*
- 3. Summary statistics for contaminants in shellfish and fish 1981-1997  
SFT report no. 777/99, NIVA report no. 4085-99*

*Because of their similarity, appendices A, B and C concerning abbreviations, maps and station positions, respectively, are common for all three reports.*

*Thanks are due to my colleagues at NIVA and NILU for helping to compile this data. These have been credited earlier in the annual JAMP National Comments.*

*Oslo, 10 November 1999*

*Project co-ordinator      Norman W. Green*

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# 1. Background

The Oslo and Paris commissions were established in the seventies with the aim to protect the marine environment against anthropogenic contamination. The Oslo commission focuses on problems relating to dumping at sea in the Northeast Atlantic and Baltic areas. The Paris commission focuses on discharges from land based sources. Together, the commission (Oslo and Paris Commission - OSPAR), govern the "Joint Assessment and Monitoring Programme" (JAMP). JAMP commenced in 1995 as a continuation of the "Joint Monitoring Programme" (JMP). It receives guidance from the "International Council for the Exploration of the Sea" (ICES). Norway and other European countries, which are members of OSPAR have committed themselves to protection of the marine environment of the North East Atlantic for preventing and elimination pollution, protecting human health and ensuring sound and healthy marine ecosystems (OSPAR 1998).

The Norwegian contribution to JAMP focuses on three JAMP areas: Oslofjord-area (including the Hvaler area, Singelfjord and Langesundsford), Sørfjord/Hardangerfjord and the Orkdalsfjord areas. During 1990-95 Norway has also included Arendal and Lista areas. The results have previously been presented for 1981-83 (only Oslofjord; Enger *et al.* 1984, 1985), 1984-85 (Green 1988), 1986 (Green 1987; SFT 1987), 1987 (SFT 1988), 1988 (Green 1989b; SFT 1989), 1989 (Green 1991, SFT 1990), 1990 (Green 1992, JMG 1994), 1991 (Green 1993a), 1992 (Green 1994, Green & Knutzen 1994), 1993 (Green 1995a), 1994 (Green 1995b), 1995 (Green 1997a), 1996 (Green 1997b) and 1997 (Green *et al.* 1999). The results have been incorporated in European JMG regional assessments of sediment (JMG 1993) and biota (ICES 1988, JMG 1992) and temporal trends in biota (ICES 1989; 1991; ASMO 1994). An overview of the analytical methods (1981-1992) has been presented (Green 1993b). The raw data has been presented for sediment 1986-1992 (Green & Klungsoyr 1994; Green & Rønningen 1995) and biota 1981-1992 (Green & Rønningen 1994a, b). The results for 1981-1992 have been assessed by Green *et al.* (1995). An evaluation of "background" levels of contaminants in biota based on JMP data has been done by Knutzen & Green (1995).

## 2. Sampling

The JAMP stations monitored 1993-1997 by Norway are spread from the Swedish border to Varangerfjorden (**Appendices A and B**).

The sampling of biota follows the OSPAR guidelines (1997) as closely as possible. These have replaced relevant portions of earlier guidelines (ICES 1986, 1992 including revisions up to 1994). For historical reasons three sizes of **mussels** (*Mytilus edulis*) have been sampled from most of the stations. The size classes were: 2-3, 3-4 and, 4-5cm. Fifty individuals were collected for each class. Often there is insufficient material, ca. 50g wet weight is necessary for reanalyses of all variables for the 2-3cm size class and when necessary 100 individuals are collected. In 1992 a stricter ICES approach was applied for new 1992 stations (north of the Bømlo area). For these stations 3 pooled samples of 20 individuals each are collected (ICES 1992) in the size range of 3-4 or 4-5 cm. There is some evidence that the effect of shell length (WGSSEM 1993; Bjerkeng & Green 1994) and difference in bulk sample size (Bjerkeng & Green 1994) by the two methods are of little or no significance. Pending further investigation, all mussel samples from the new stations are collected according to the stricter ICES method.

To clean the intestinal canal (depuration) the mussels are kept alive for 12-24 hours in sea water collected in close proximity to the station (about 15 litres). The shells are spread on a perforated polyethylene platform and submerged in the seawater in a container. The container used are lined with polyethylene plastic bags. The bags are replaced for each station sample. The temperature is kept at ambient conditions. Following depuration the mussels are shucked and frozen. The depuration is omitted if there is sufficient evidence that the process has no significant influence on the body burden of the contaminants measured (cf., Green 1989a, Green *et al* 1996.).

### 3. Analyses

JAMP (OSPAR 1990) agreed that the concentration of at least cadmium, copper, mercury, lead, zinc and polychlorinated hydrocarbons should be monitored in biota. In these investigations many other contaminants have also been quantified. A complete list of variables used is given in by **Appendix C**.

An overview of the contaminants and associated analytical methods has been given by Green (1993b). A brief summary follows. All analyses were performed at the Norwegian Institute for Water Research (NIVA). After treatment with saltpetre concentrations of cadmium, copper and lead were determined by Perkin-Elmer 2380 or 4100 graphite furnace atomic absorption electrothermal spectrometry whereas concentrations of zinc were determined using Perkin-Elmer 560 flame atomic absorption spectrometer with a hollow cathode lamp or an electrodeless discharge lamp as a light source (APHA 1989; Borge *et al.* 1981; Welz 1984). Mercury concentrations were determined by cold-vapour atomic absorption spectrometry using a Coleman Model MAS-50 prior to 1988 and a Perkin-Elmer 1100 B with gold trap for the 1988-1996 samples (*cf.*, Borge *et al.* 1981; Welz *et al.* 1984) and without the gold trap for 1997. Organochlorines were determined in the extractable fat portion of the liver or fillet. Concentrations were determined by a Hewlett-Packard 5890 series II with Electron Capture Detector using a silica capillary column (Brevik 1978; Pedersen-Bjergaard *et al.* 1996).

JAMP prefers that seven individual isomers of PCB are quantified (Table 1). In addition, it is favourable and practical to quantify DDE, DDD, HCB, and the remaining HCH-isomers in connection with the analysis of chlorinated compounds. The methods applied at NIVA permit in addition, determinations of pentachlorobenzene (5-CB), octachlorostyrene (OCS), CB-156 (2 3 4 5-3'4'), CB-209 (2 3 4 5 6 - 2'3'4'5'6') and CB-105 (2 3 4 - 3'4') and, all p,p isomers of DDT and its derivatives.

**Table 1.** Suggested PCB-isomers which are to be quantified in biota (ICES 1986).

IUPAC/CB no.	Structure
28	2 4 - 4'
52	2 5 - 2'5'
101	2 4 5 - 2'5'
118	2 4 5 - 3'4'
138	2 3 4 - 2'4'5'
153	2 4 5 - 2'4'5'
180	2 3 4 5 - 2'4'5'

The **mussels** are analysed for all contaminants. The shell length of each mussel is measured. On a bulk basis the total shell weight, total soft tissue weight, dry weight and % fat content is measured.



## 4. Comment on QA and detection limit

Concerning quality assurance (QA) analytical labs have been routinely involved in international and national intercalibration exercises. In addition the laboratories have (more regularly in recent years) analysed standard reference material in connection with analyses of the samples used in monitoring. The results of intercalibration exercises and analyses of the standard reference material is discussed in part in the annual National Comments.

The detection limits are approximations based on 3 times the standard deviation of the 'blank' or near zero concentration of a solution. Day-to-day variations in the analytical instrument may lead to minor variation in detection limits.

## 5. Comment on raw data

The raw data for shellfish 1993-1997 is shown in **Appendix D**. Special attention should be made to notes and comments preceding the Appendix.

The data is stored in SYBASE version 11.5 with ACCESS 1997 as front end. The tables are generated using NIVA's TABSYS version 2.4.

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## Appendix A. Maps

### NOTES

For a few station the positions of sampling has varied in order to collect sufficient material (e.g., st. 36B and 98A) or investigate local geographical variations (e.g., in the inner Oslofjord and Sørfjord). Hence, the same station name may appear more than once on a map.

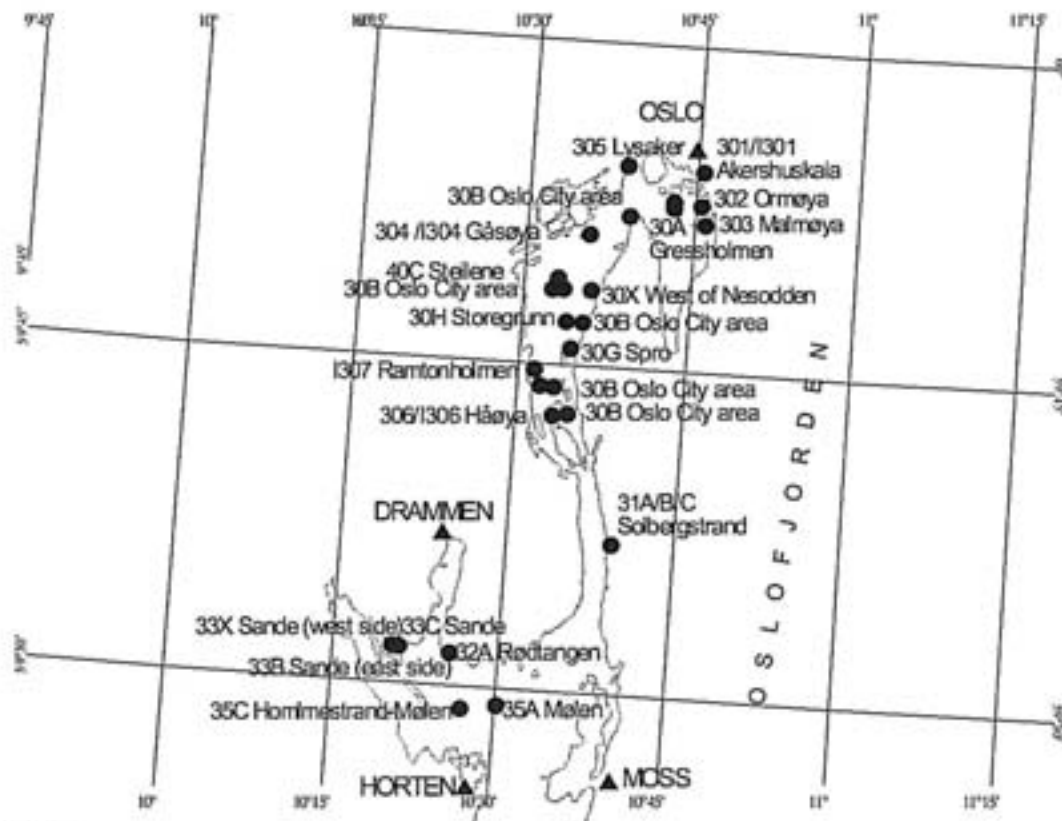
The letter A following the station identification number indicates that blue mussels were sampled. The letter B indicates sampling for cod and the letter F indicates sampling for flatfish. This system for fish is not consistent for some older stations (30, 33, 52 and 67) where only the letter B is used indicating that either cod or flatfish or both were sampled.

The letter I preceding the station identification number indicates an INDEX station for evaluating a "pollution" index. The letter R indicates a station for evaluating a "reference" index. Only blue mussels are used for these indices. The indices are based on a selection of JAMP and INDEX stations (cf., Green *et al.* 1999).

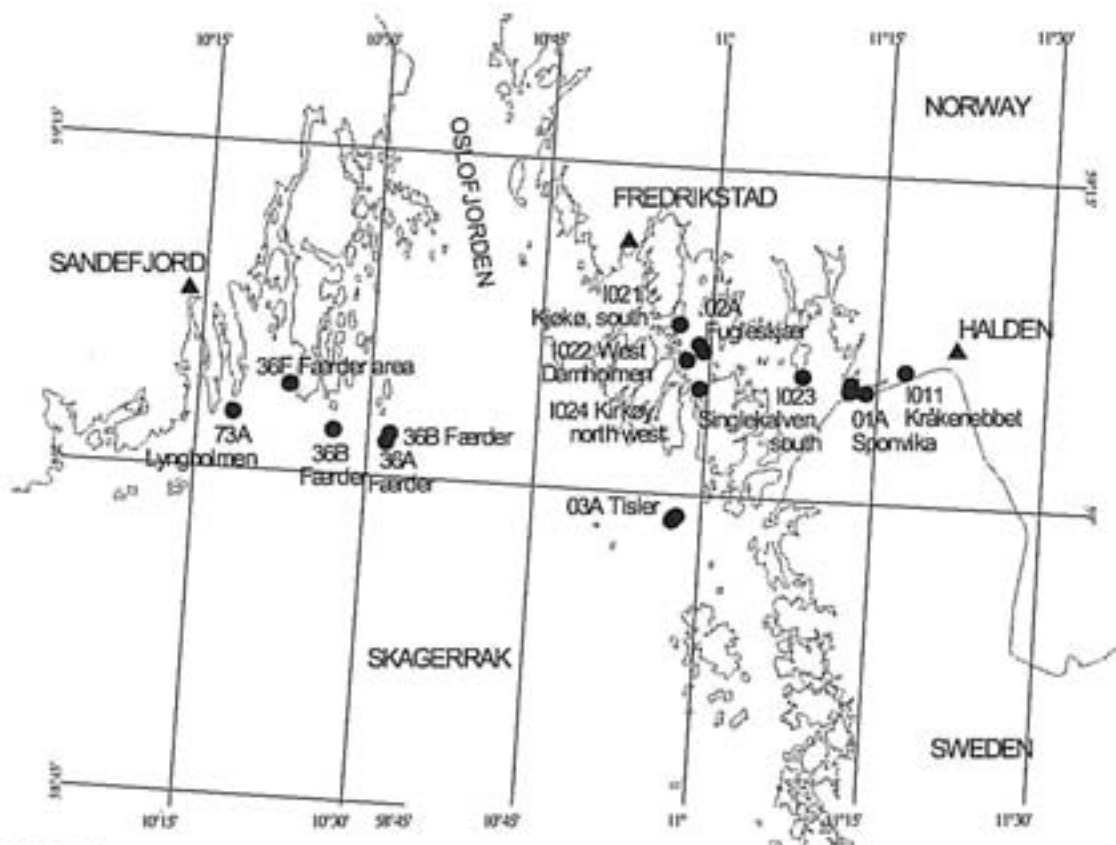
The maps are generated using ArcView GIS version 3.1.



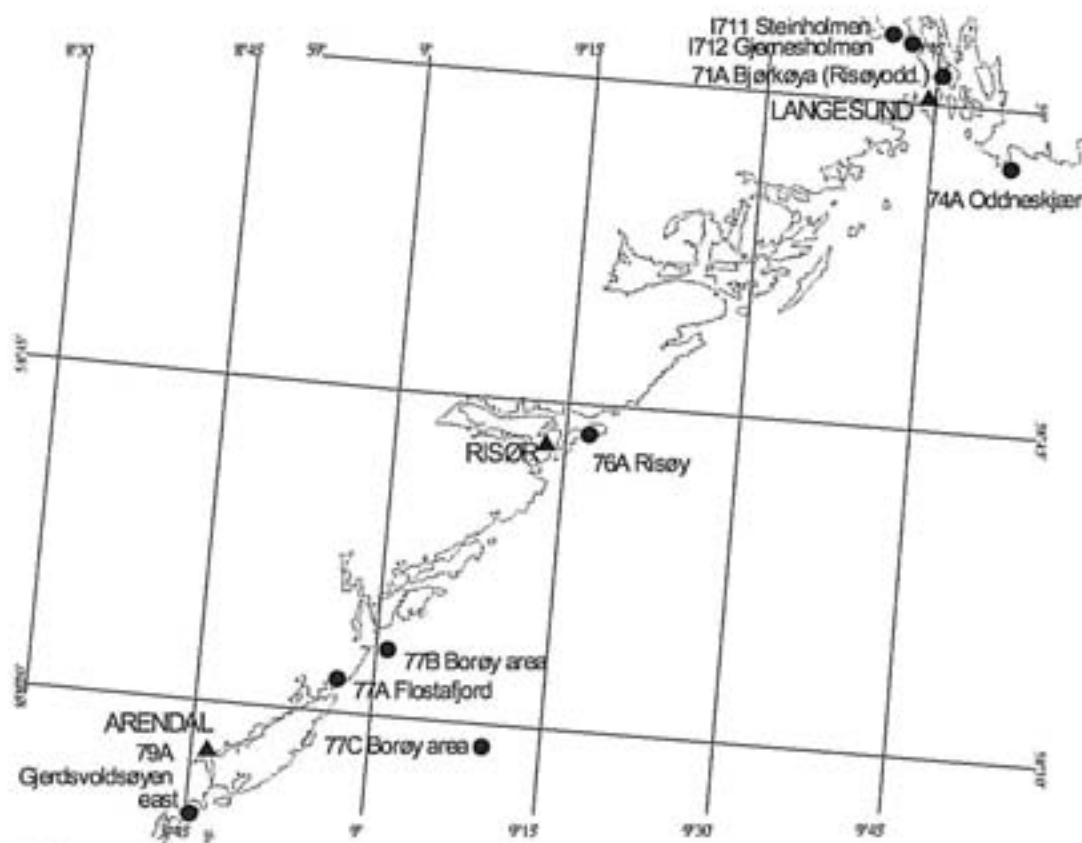
JAMP stations in Norway. Numbers refer to detail maps below.



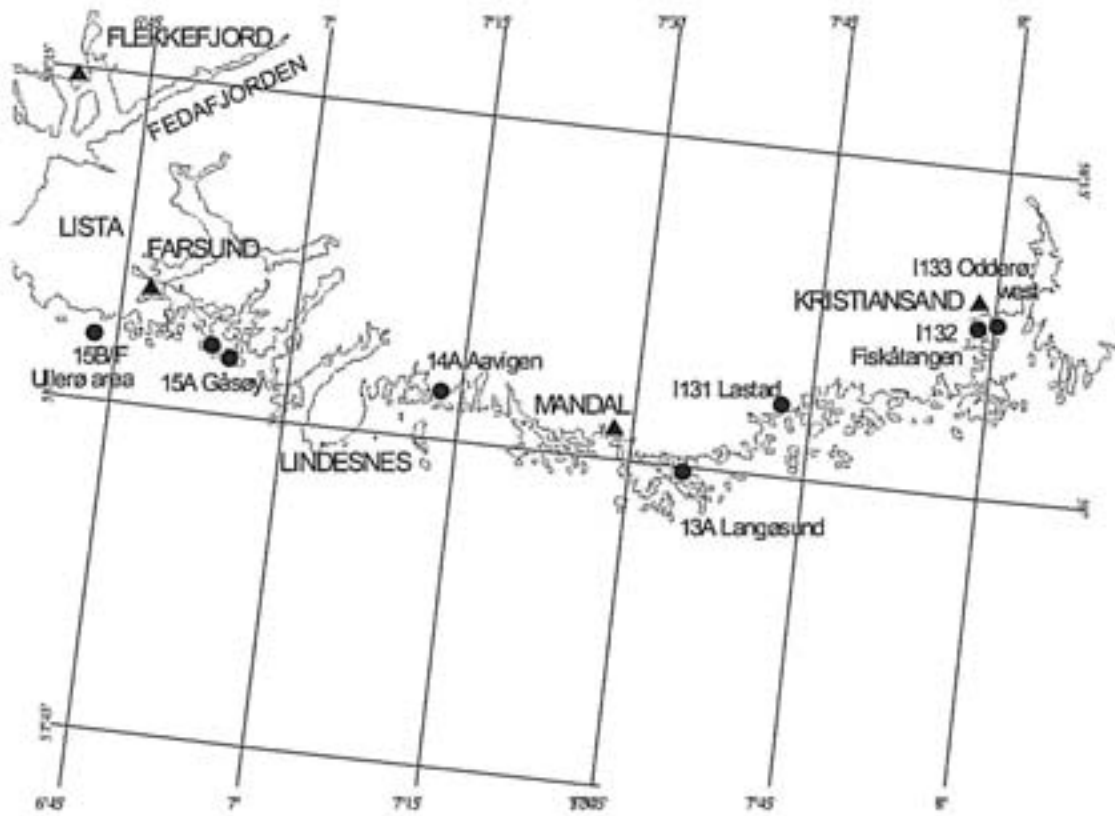
MAP 1



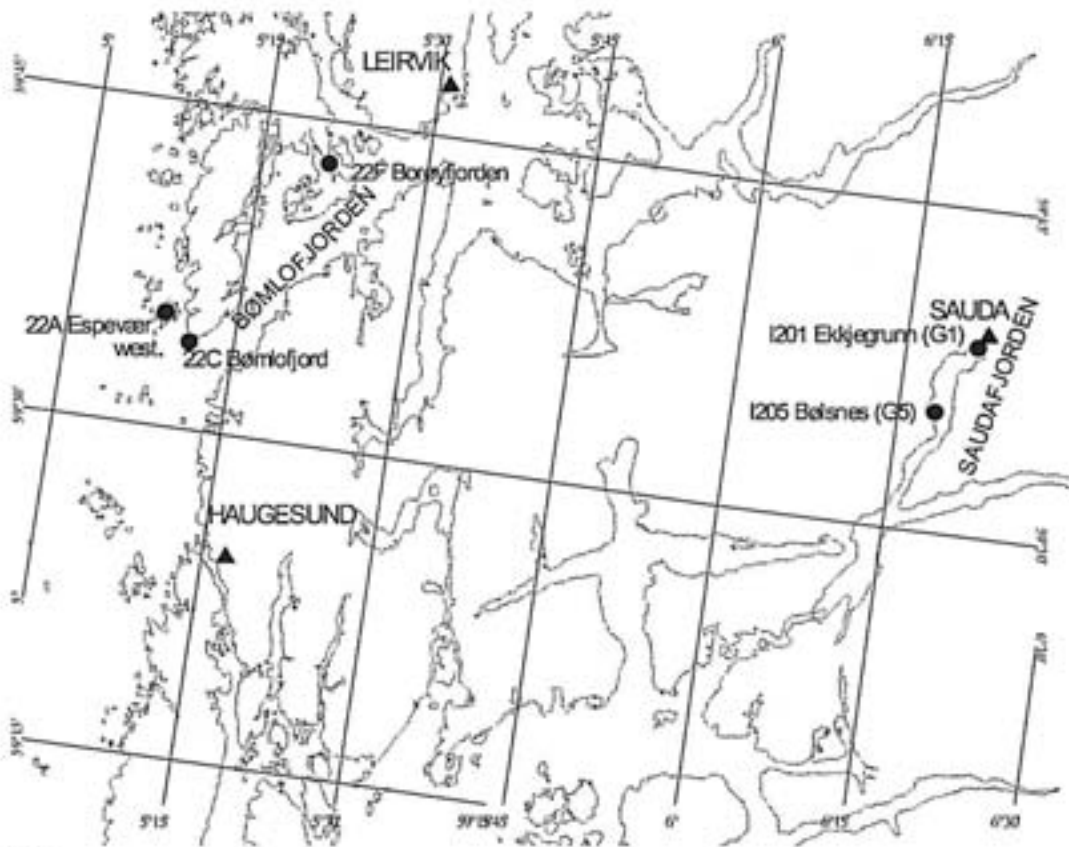
MAP 2



MAP 3

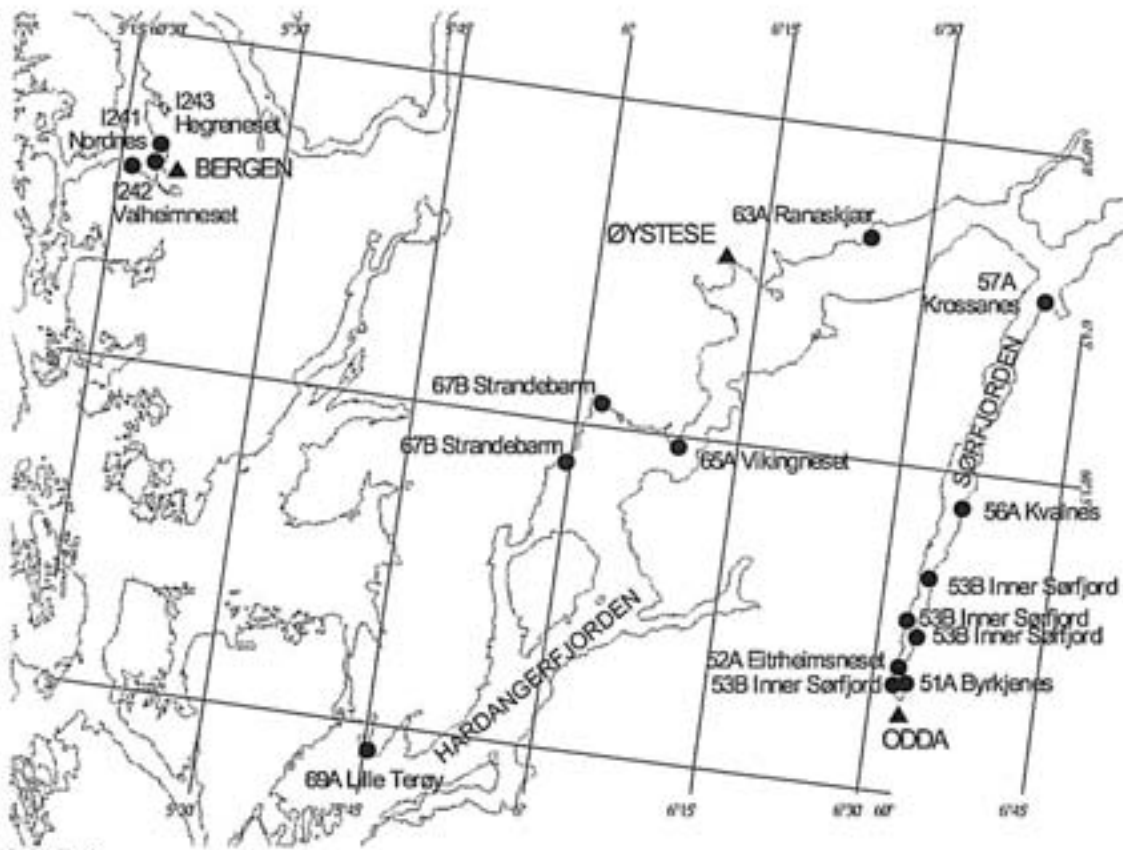


MAP 4

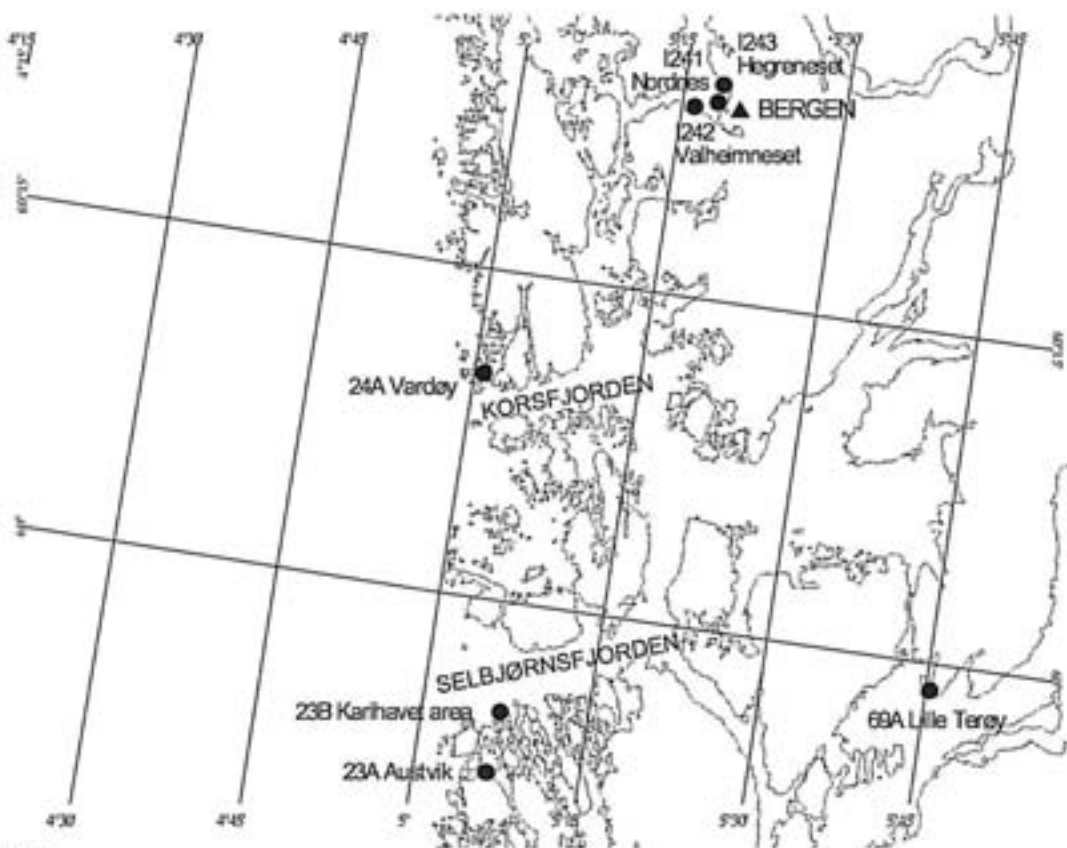


MAP 5

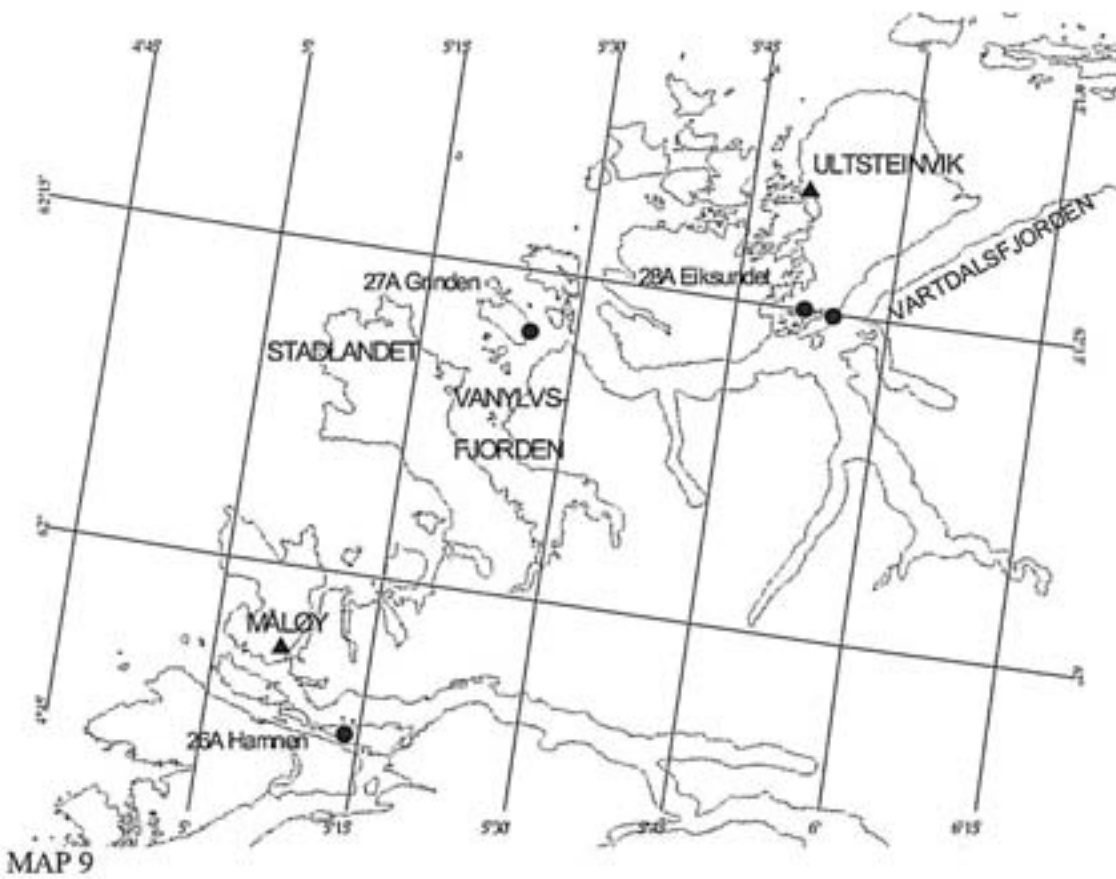
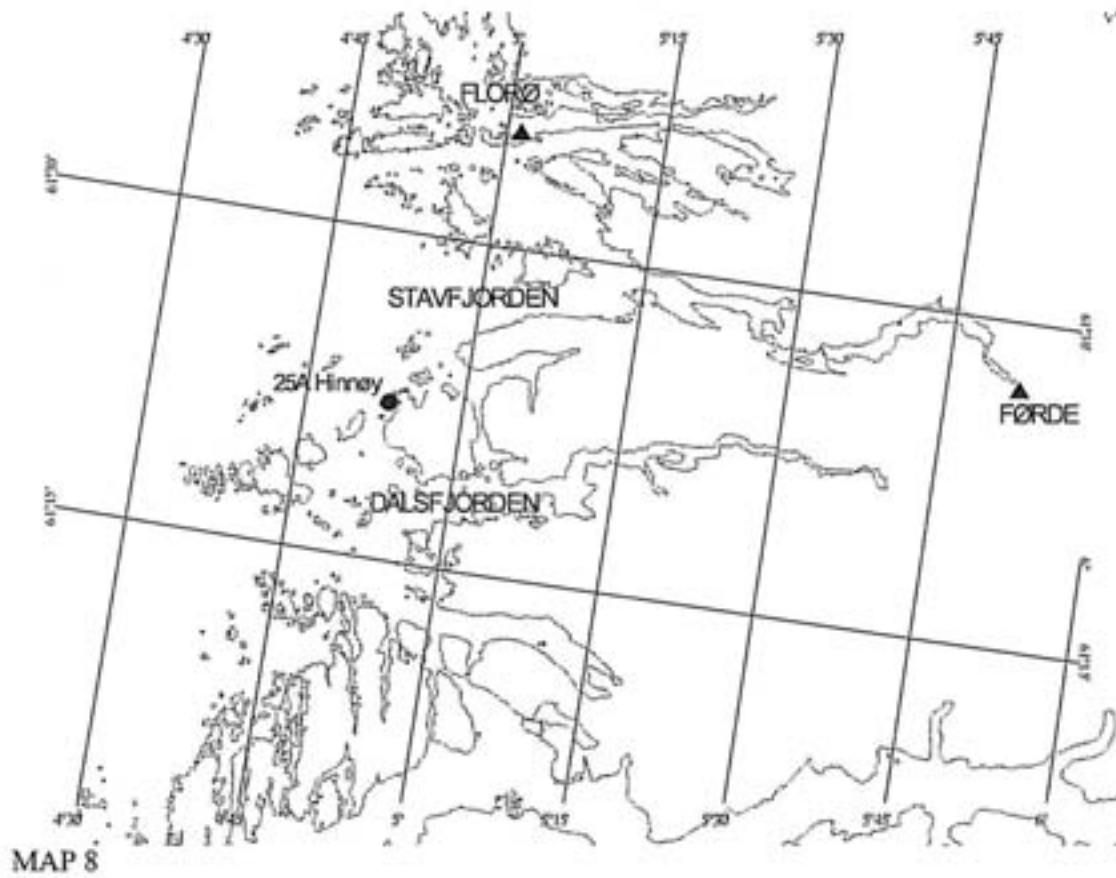


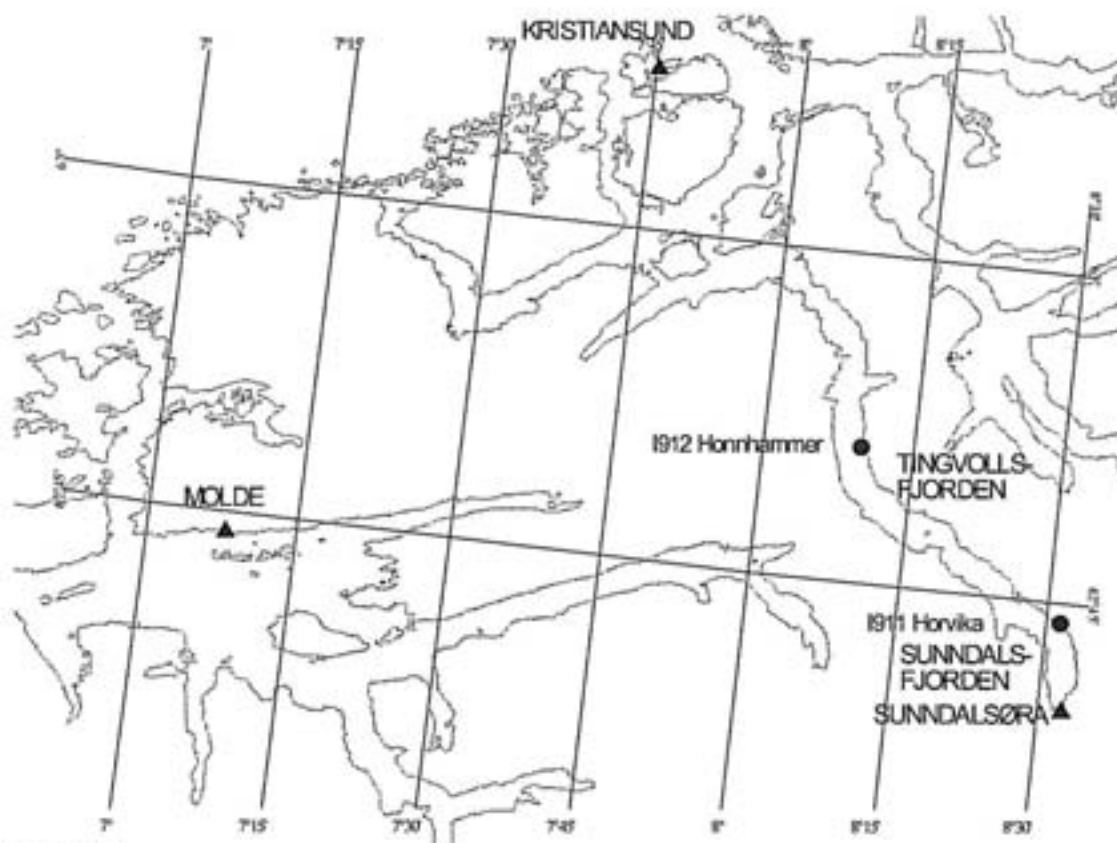


MAP 6

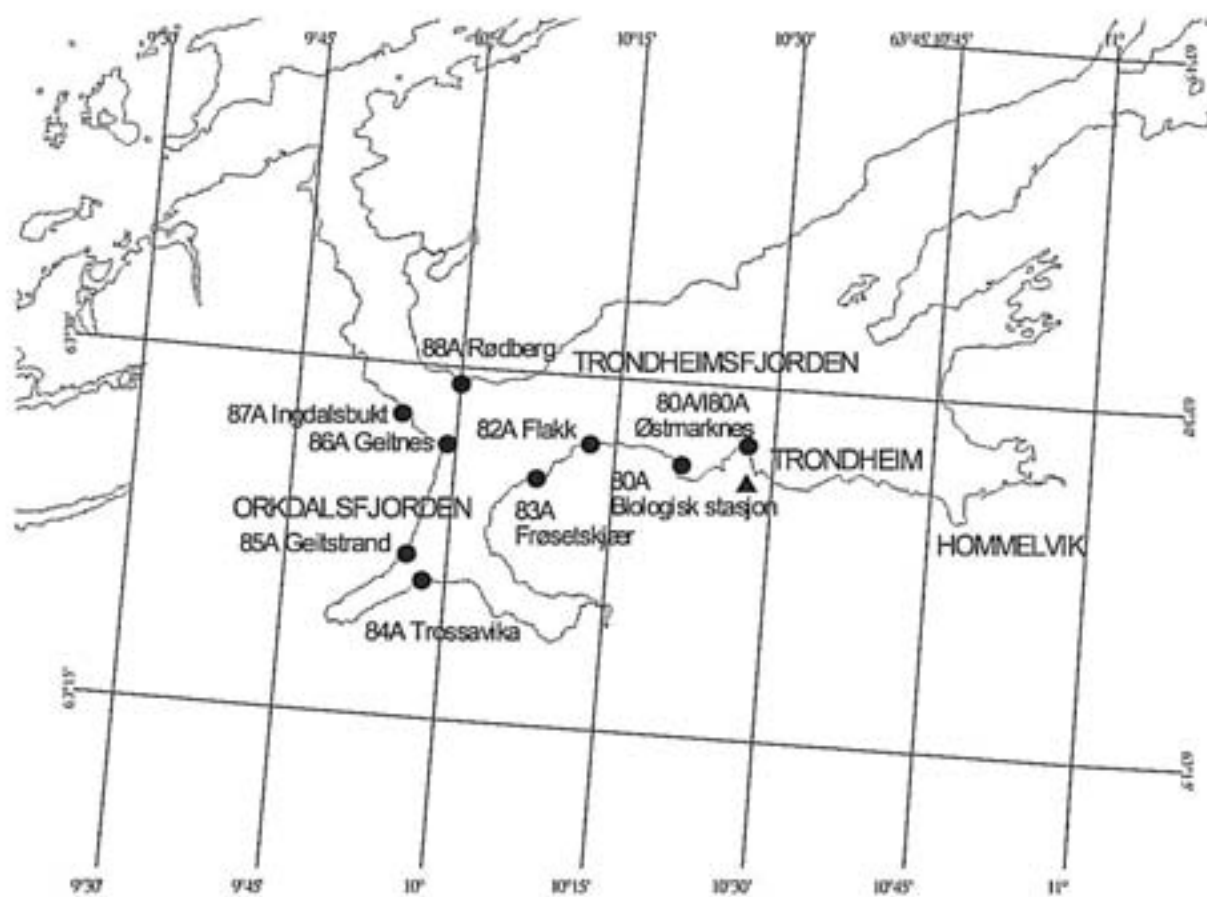


MAP 7

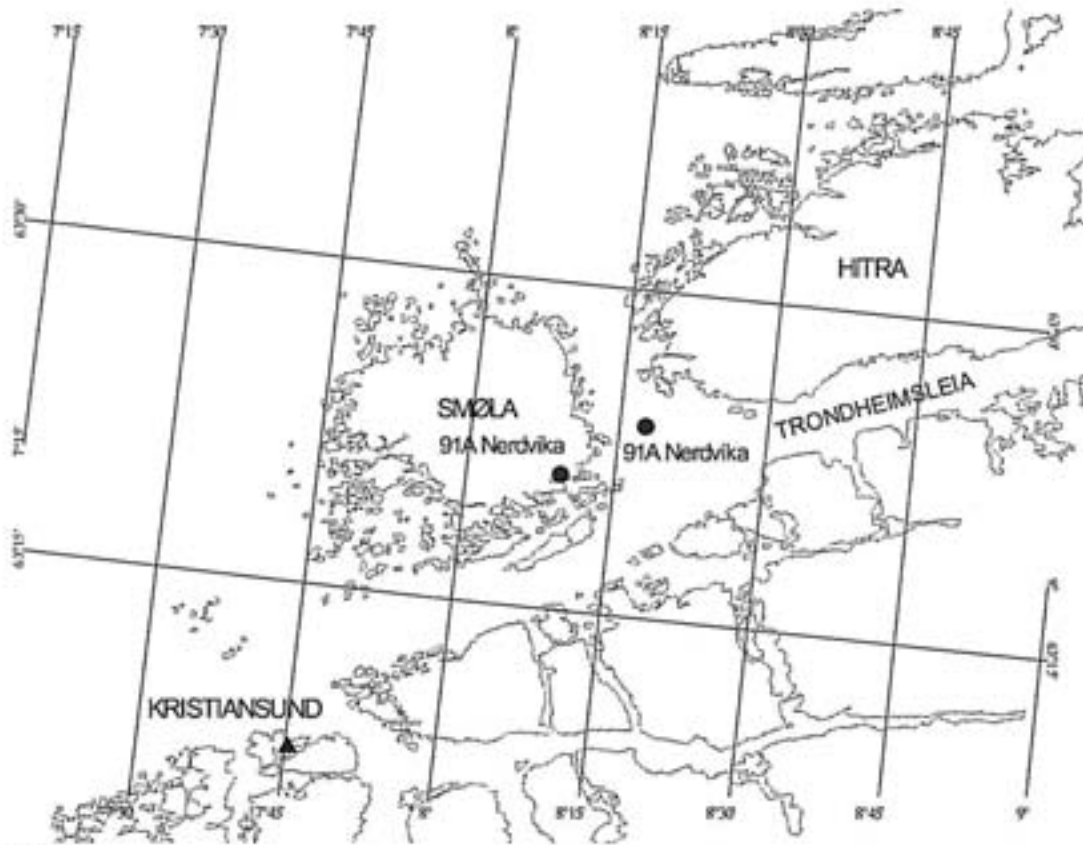




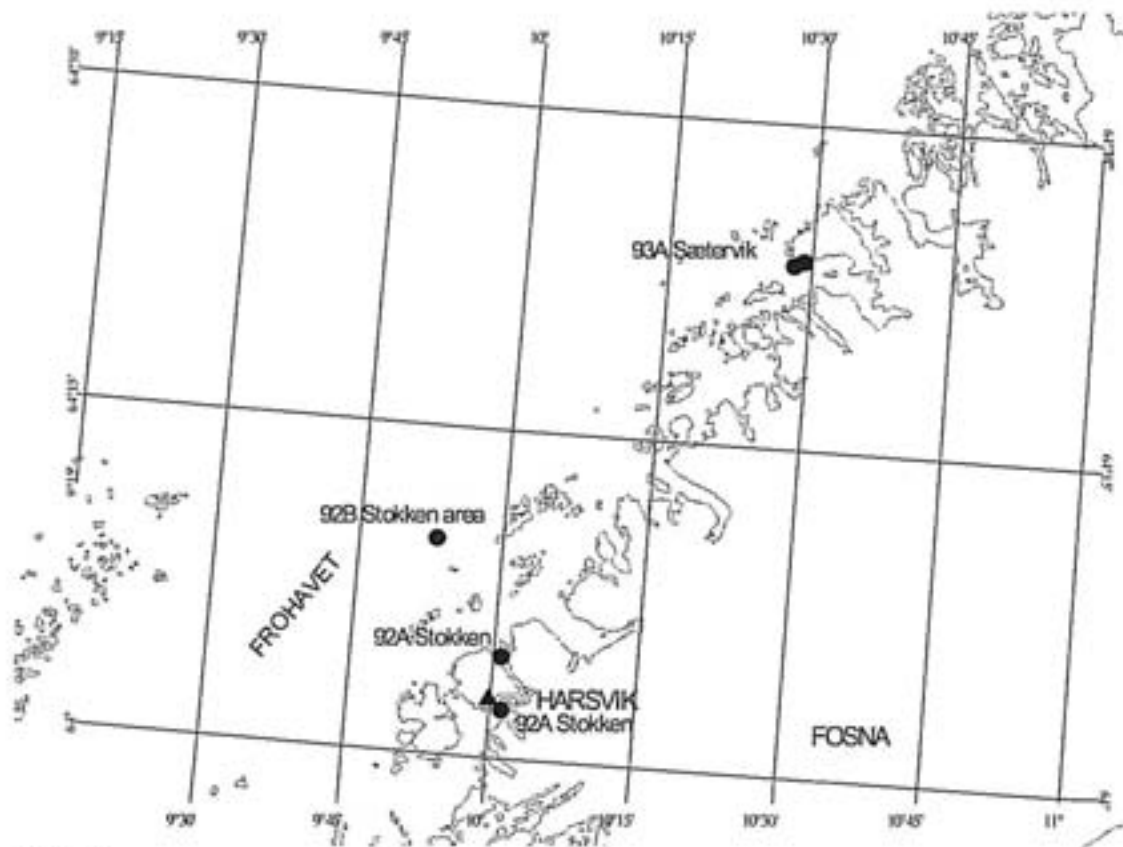
MAP 10



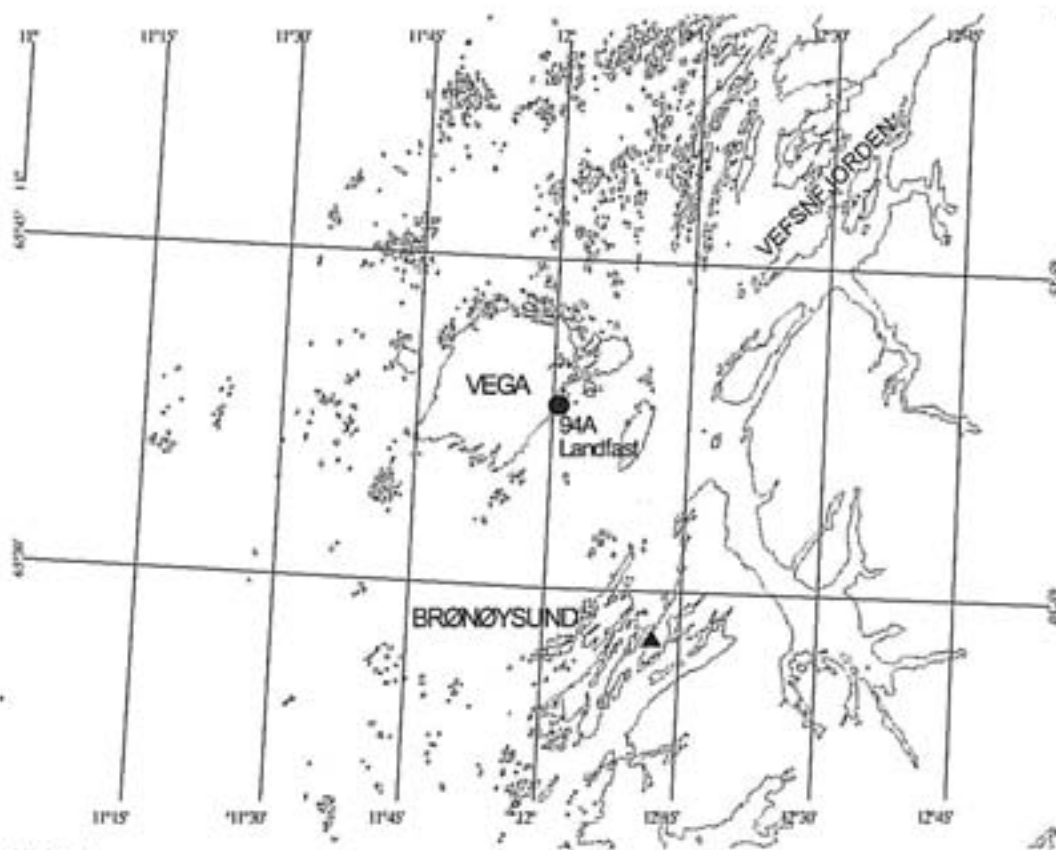
MAP 11



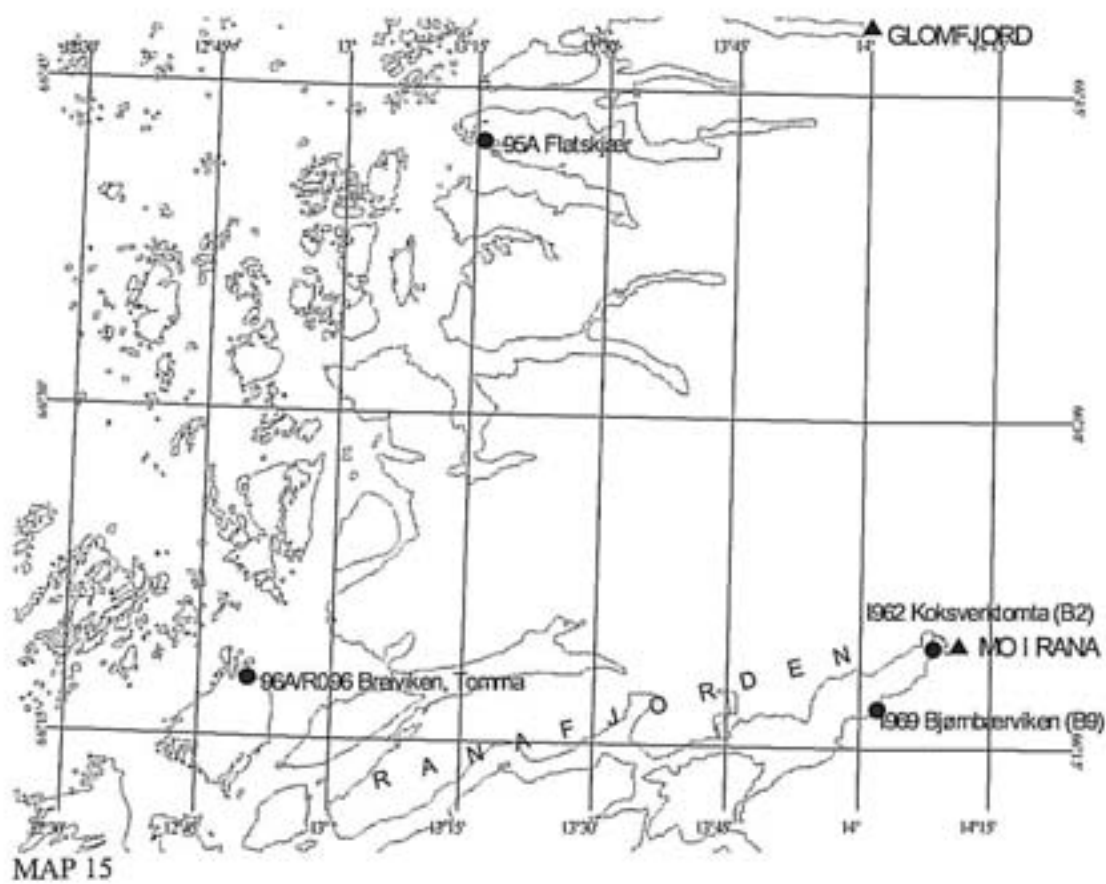
MAP 12



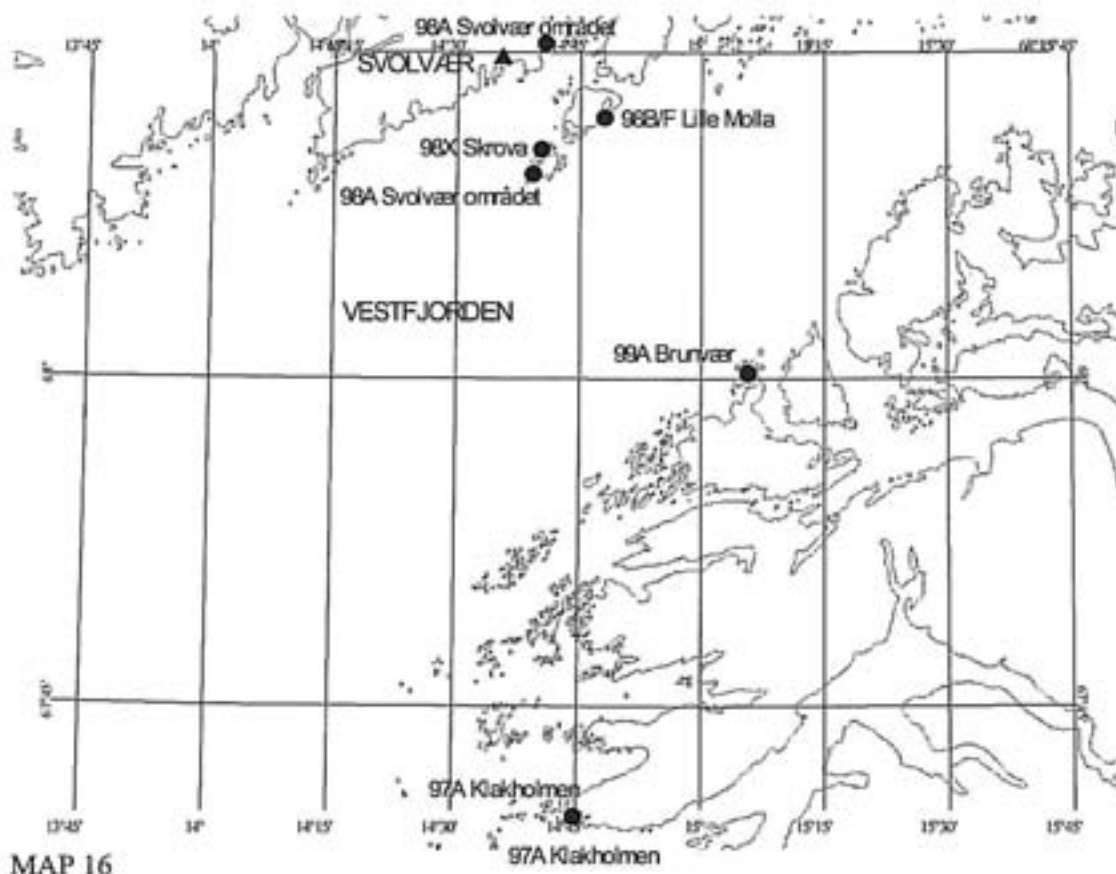
MAP 13



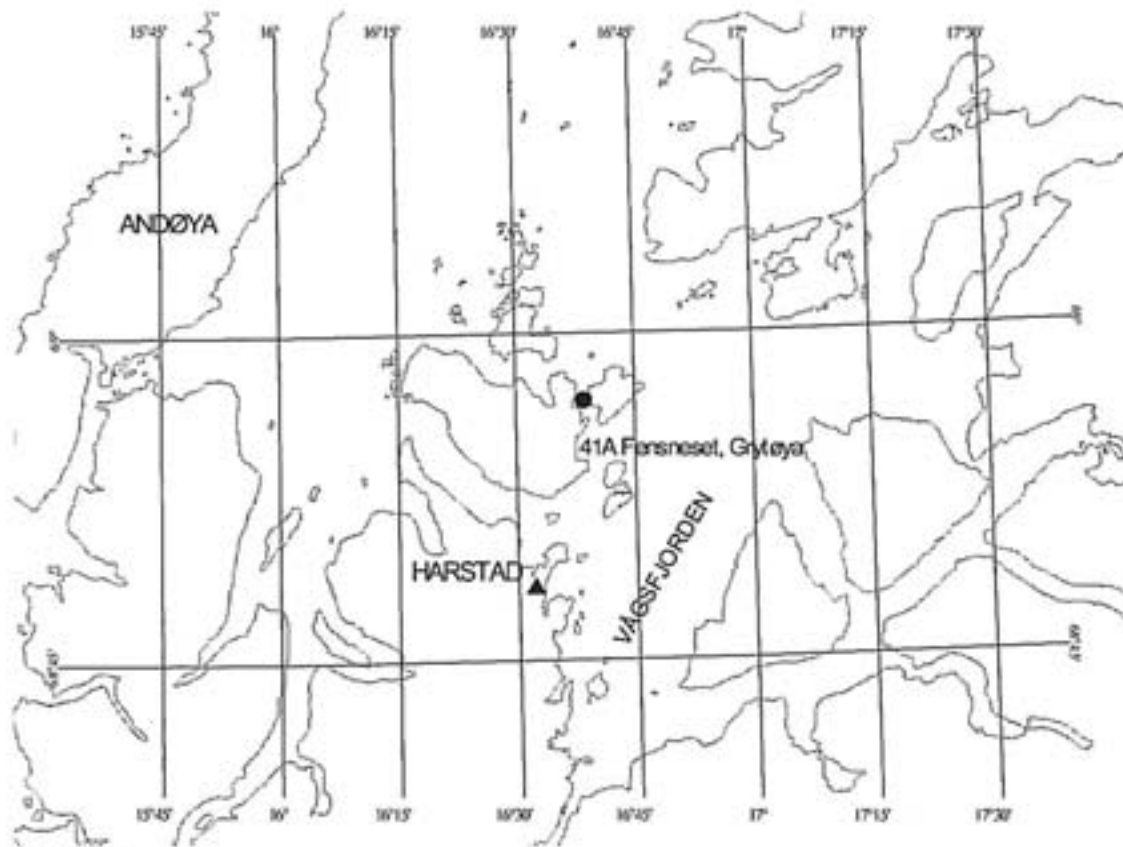
MAP 14



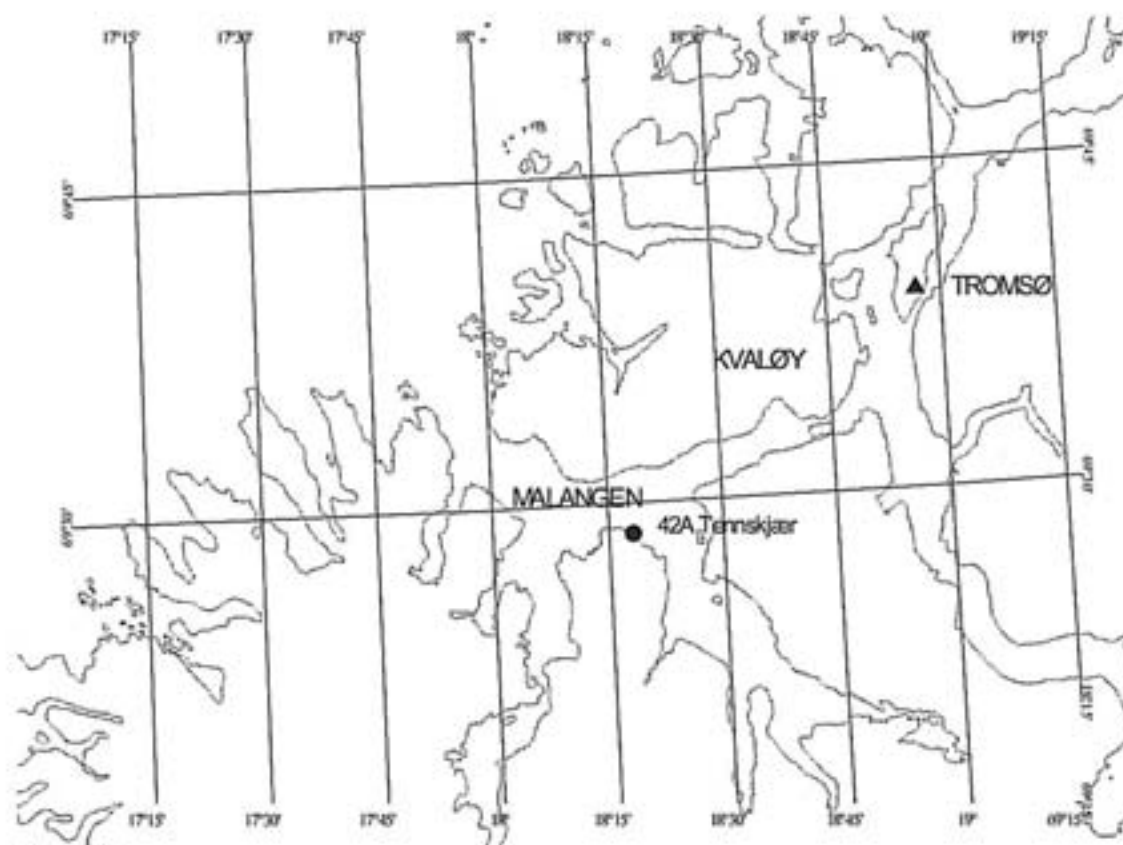
MAP 15



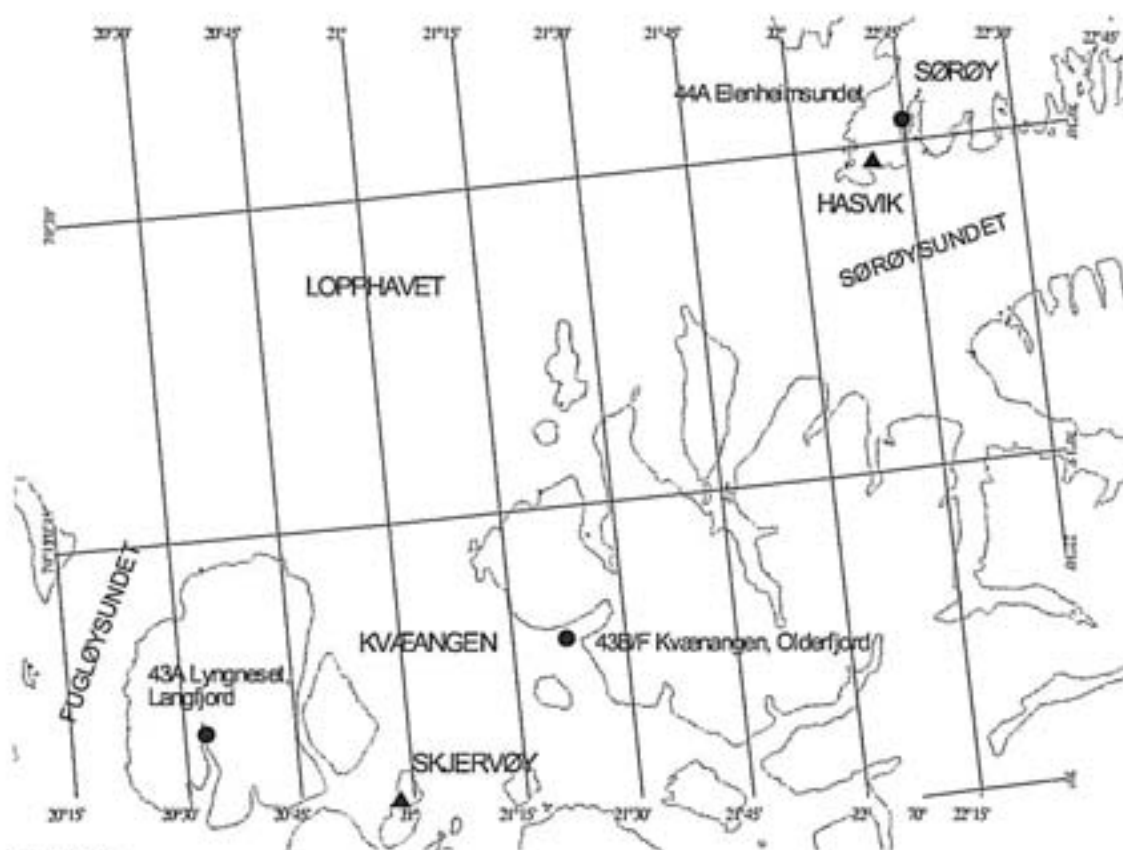
MAP 16



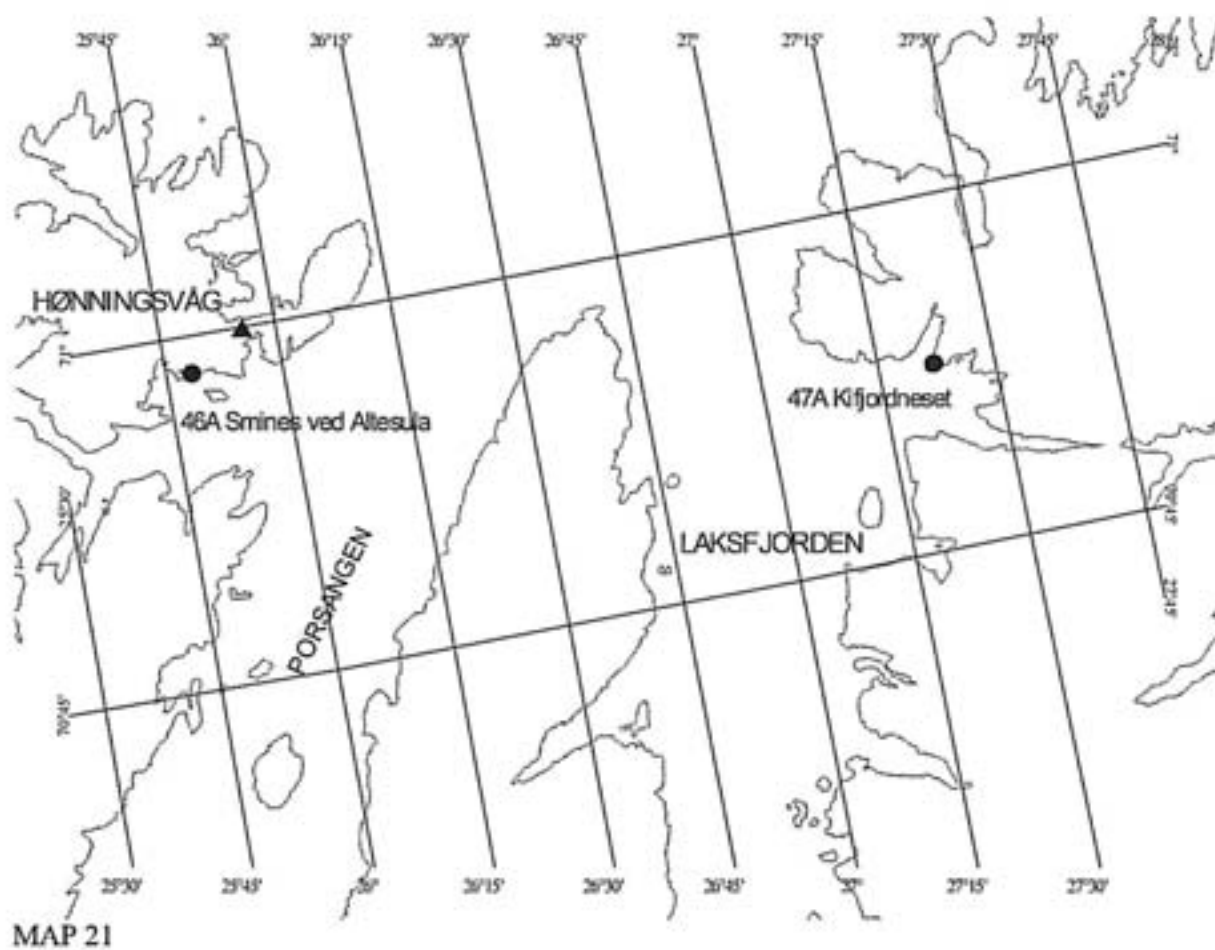
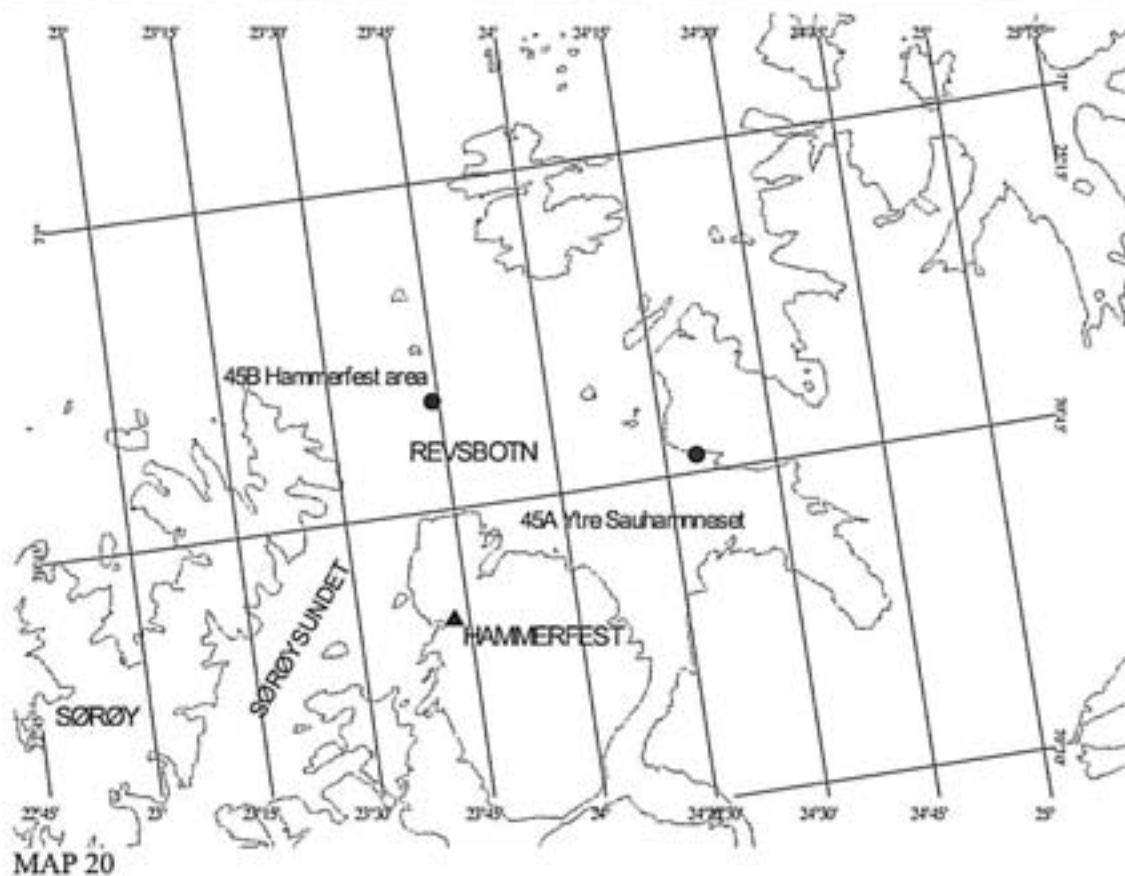
MAP 17



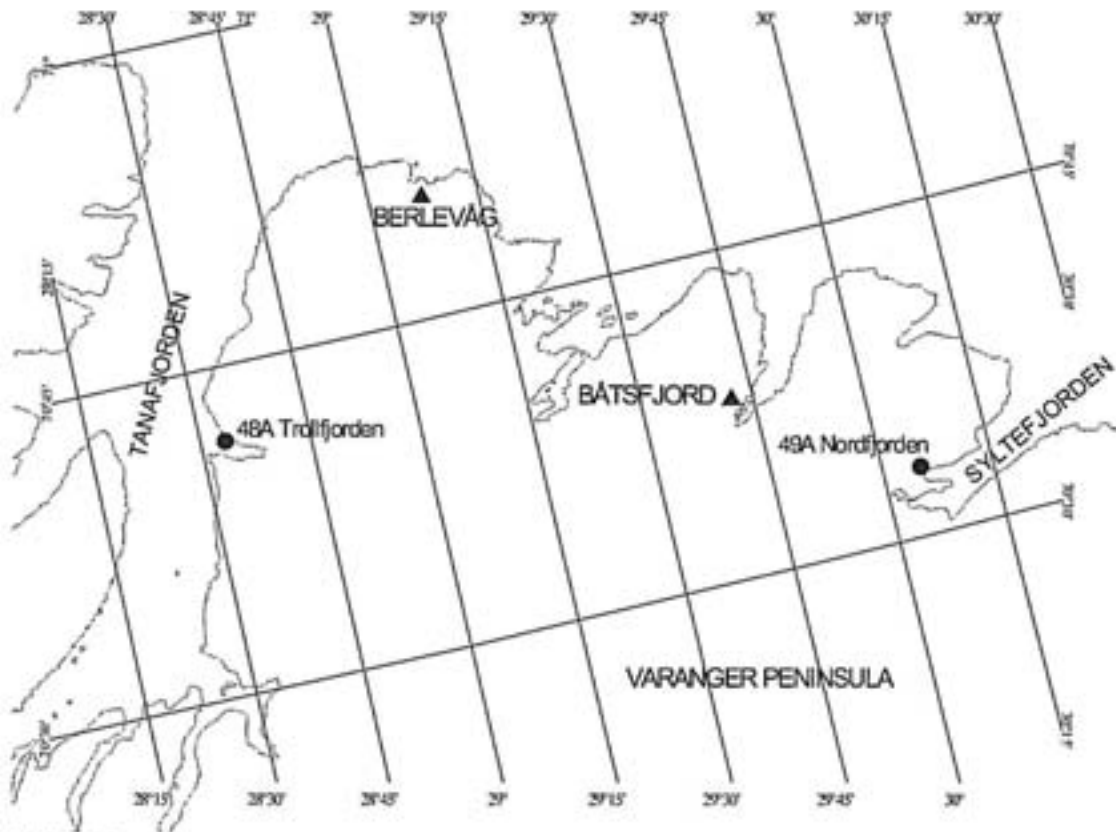
MAP 18



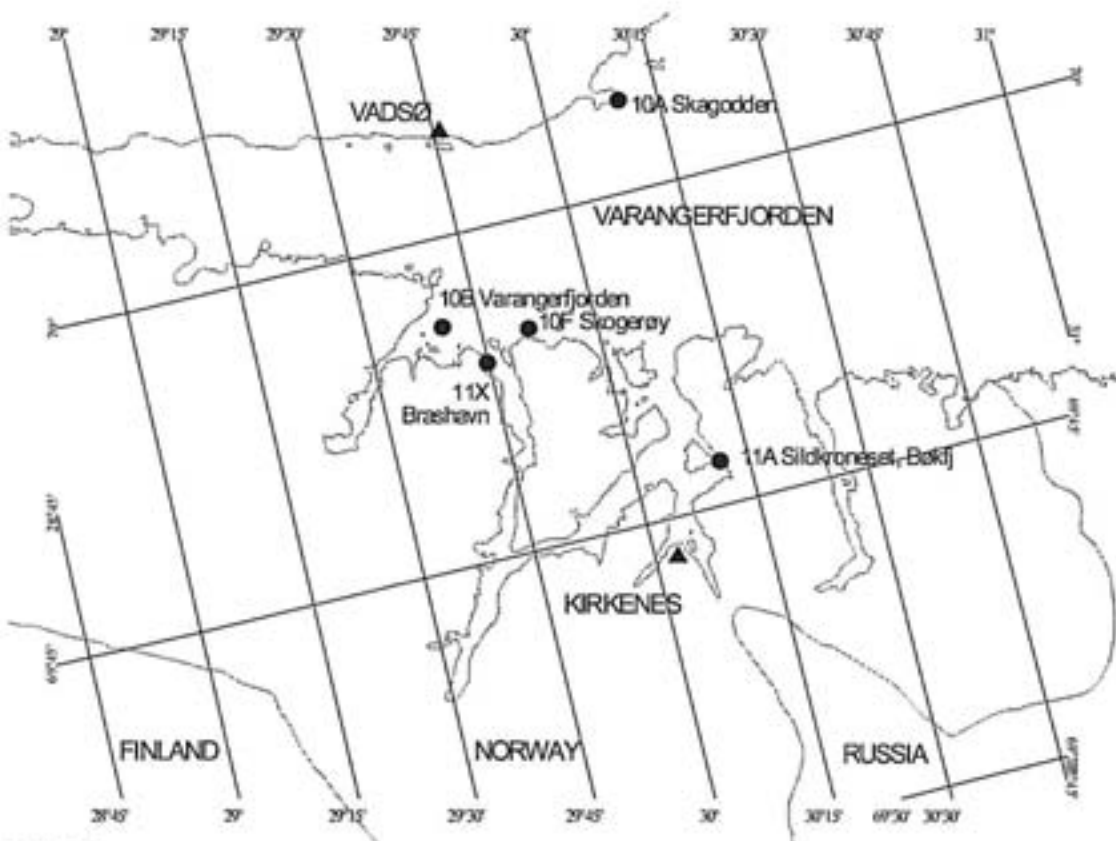
MAP 19







MAP 22



MAP 23

## Appendix B. Station positions

### HEADING EXPLANTIONS

**jmpco:** JAMP area (J99 indicates no designation)

**jmpst:** JAMP station number

**species:**

**BROS BRO - Torsk** (*Brosme brosme*)

**GADU MOR - Atlantic cod** (*Gadus morhua*)

**GLYP CYN - Witch** (*Glyptocephalus cynoglossus*)

**LIMA LIM - Dab** (*Limanda limanda*)

**LEPI WHI - Megrin** (*Lepidorhombus whiff-iagonis*)

**MICR KIT - Lemon sole** (*Microstomus kitt*)

**MYTI EDU - Blue Mussel** (*Mytilus edulis*)

**PAND BOR - Prawn** (*Pandalus borealis*)

**PLAT FLE - Flounder** (*Platichthys flesus*)

**PLEU PLA - Plaice** (*Pleuronectes platessa*)

**myear:** first year of sampling season

**latdg:** latitude - degrees

**latmi:** latitude - minutes

**longd:** longitude - degrees

**lonmi:** longitude - minutes

JAMP Contaminants in shellfish and fish 1993-1997 - Norway

jmpco	jmpst	station name	species	myear	sampling date	latdg	latmi	longd	lonmi	ICES area
J26	01A	Sponvika	MYTI EDU	1982	19821014	59	5.10	11	12.50	47G13
J26	01A	Sponvika	MYTI EDU	1985	19851016	59	5.10	11	13.90	47G13
J26	01A	Sponvika	MYTI EDU	1990	19901106	59	5.40	11	12.50	47G13
J26	02A	Fugleskjær	MYTI EDU	1982	19821014	59	6.90	10	59.00	47G09
J26	02A	Fugleskjær	MYTI EDU	1985	19851015	59	6.90	10	59.00	47G09
J26	02A	Fugleskjær	MYTI EDU	1990	19901106	59	6.60	10	59.30	47G09
J26	03A	Tisler	MYTI EDU	1982	19821014	58	59.00	10	57.80	46G07
J26	03A	Tisler	MYTI EDU	1985	19851015	58	58.80	10	57.50	46G07
J26	03A	Tisler	MYTI EDU	1990	19901106	58	59.00	10	57.80	46G07
J99	10A	Skagodden	MYTI EDU	1994	19940826	70	4.19	30	9.83	69J03
J99	10A	Skagodden	MYTI EDU	1995	19950830	70	4.19	30	9.83	69J03
J99	10A	Skagodden	MYTI EDU	1996	19960905	70	4.19	30	9.83	69J03
J99	10A	Skagodden	MYTI EDU	1997	19971130	70	4.19	30	9.83	69J03
J99	10B	Varangerfjorden	BROS BRO	1994	19941130	69	56.00	29	40.00	68H97
J99	10B	Varangerfjorden	GADU MOR	1994	19941130	69	56.00	29	40.00	68H97
J99	10B	Varangerfjorden	GADU MOR	1995	19951115	69	56.00	29	40.00	68H97
J99	10B	Varangerfjorden	GADU MOR	1996	19970215	69	56.00	29	40.00	68H97
J99	10B	Varangerfjorden	GADU MOR	1997	19971115	69	56.00	29	40.00	68H97
J99	10F	Skogerøy	PLEU PLA	1997	19980218	69	55.00	29	51.00	68H97
J99	11A	Sildkroneset,Bækfj	MYTI EDU	1994	19940825	69	47.02	30	11.10	68J02
J99	11A	Sildkroneset,Bækfj	MYTI EDU	1995	19950830	69	47.02	30	11.10	68J02
J99	11A	Sildkroneset,Bækfj	MYTI EDU	1996	19960905	69	47.02	30	11.10	68J02
J99	11A	Sildkroneset,Bækfj	MYTI EDU	1997	19970922	69	47.02	30	11.10	68J02
J99	11X	Brashavn	MYTI EDU	1997	19970920	69	53.92	29	44.65	68H97
J99	13A	Langesund	MYTI EDU	1990	19901104	57	59.80	7	34.60	44F74
J99	13A	Langesund	MYTI EDU	1991	19911007	57	59.80	7	34.60	44F74
J99	14A	Aavigen	MYTI EDU	1990	19901103	58	2.20	7	13.20	45F73
J99	14A	Aavigen	MYTI EDU	1991	19911006	58	2.20	7	13.20	45F73
J99	15A	Gåsey	MYTI EDU	1990	19901103	58	2.60	6	54.80	45F69
J99	15A	Gåsey	MYTI EDU	1991	19911006	58	2.60	6	54.80	45F69
J99	15A	Gåsey	MYTI EDU	1993	19930910	58	3.07	6	53.16	45F69
J99	15A	Gåsey	MYTI EDU	1994	19941027	58	3.07	6	53.16	45F69
J99	15A	Gåsey	MYTI EDU	1995	19950923	58	3.07	6	53.16	45F69
J99	15A	Gåsey	MYTI EDU	1996	19960926	58	3.07	6	53.16	45F69
J99	15A	Gåsey	MYTI EDU	1997	19971007	58	3.07	6	53.16	45F69
J99	15B	Ullere area	GADU MOR	1990	19901103	58	3.00	6	43.00	45F69
J99	15B	Ullere area	GADU MOR	1991	19911025	58	3.00	6	43.00	45F69
J99	15B	Ullere area	GADU MOR	1992	19921215	58	3.00	6	43.00	45F69
J99	15B	Ullere area	GADU MOR	1993	19931201	58	3.00	6	43.00	45F69
J99	15B	Ullere area	GADU MOR	1994	19941200	58	3.00	6	43.00	45F69
J99	15B	Ullere area	GADU MOR	1995	19951201	58	3.00	6	43.00	45F69
J99	15B	Ullere area	GADU MOR	1996	19970120	58	3.00	6	43.00	45F69
J99	15B	Ullere area	GADU MOR	1997	19971006	58	3.00	6	43.00	45F69
J99	15F	Ullere area	LIMA LIM	1991	19911025	58	3.00	6	43.00	45F69
J99	15F	Ullere area	LIMA LIM	1993	19931201	58	3.00	6	43.00	45F69
J99	15F	Ullere area	LIMA LIM	1994	19941000	58	3.00	6	43.00	45F69
J99	15F	Ullere area	LIMA LIM	1995	19951201	58	3.00	6	43.00	45F69
J99	15F	Ullere area	LIMA LIM	1996	19961231	58	3.00	6	43.00	45F69
J99	15F	Ullere area	LIMA LIM	1997	19970924	58	3.00	6	43.00	45F69
J99	15F	Ullere area	MICR KIT	1994	19941001	58	3.00	6	43.00	45F69
J99	15F	Ullere area	PLEU PLA	1992	19921215	58	3.00	6	43.00	45F69
J99	15F	Ullere area	PLEU PLA	1993	19931201	58	3.00	6	43.00	45F69

jmpco	jmpst	station name	species	myear	sampling date	latdg	latml	longd	lonml	ICES area
J99	22A	Espevær, west	MYTI EDU	1990	19901029	59	35.20	5	8.50	48F53
J99	22A	Espevær, west	MYTI EDU	1991	19910930	59	35.20	5	8.50	48F53
J99	22A	Espevær, west	MYTI EDU	1992	19920906	59	35.20	5	8.50	48F53
J99	22A	Espevær, west	MYTI EDU	1993	19930907	59	35.20	5	8.50	48F53
J99	22A	Espevær, west	MYTI EDU	1994	19941025	59	35.20	5	8.50	48F53
J99	22A	Espevær, west	MYTI EDU	1995	19950918	59	35.20	5	8.50	48F53
J99	22A	Espevær, west	MYTI EDU	1996	19960924	59	35.20	5	8.50	48F53
J99	22A	Espevær, west	MYTI EDU	1997	19971004	59	35.20	5	8.50	48F53
J99	22C	Bømlofjord	PAND BOR	1990	19901022	59	34.00	5	11.00	48F53
J99	22F	Borøyfjorden	LIMA LIM	1990	19901021	59	43.00	5	21.00	48F55
J99	22F	Borøyfjorden	LIMA LIM	1991	19910901	59	43.00	5	21.00	48F55
J99	22F	Borøyfjorden	LIMA LIM	1992	19921215	59	43.00	5	21.00	48F55
J99	22F	Borøyfjorden	LIMA LIM	1994	19941100	59	43.00	5	21.00	48F55
J99	22F	Borøyfjorden	LIMA LIM	1995	19951231	59	43.00	5	21.00	48F55
J99	22F	Borøyfjorden	MICR KIT	1993	19940214	59	43.00	5	21.00	48F55
J99	22F	Borøyfjorden	PLEU PLA	1996	19970226	59	43.00	5	21.00	48F55
J99	22F	Borøyfjorden	PLEU PLA	1997	19980115	59	43.00	5	21.00	48F55
J99	23A	Austvik	MYTI EDU	1990	19901029	59	52.20	5	6.60	48F51
J99	23A	Austvik	MYTI EDU	1991	19910930	59	52.20	5	6.60	48F51
J99	23B	Karihavet area	GADU MOR	1990	19901007	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	GADU MOR	1991	19910930	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	GADU MOR	1992	19921215	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	GADU MOR	1993	19931015	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	GADU MOR	1994	19941000	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	GADU MOR	1995	19951201	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	GADU MOR	1996	19961120	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	GADU MOR	1997	19971003	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	MICR KIT	1994	19941000	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	MICR KIT	1995	19951101	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	PLAT FLE	1994	19941000	59	55.00	5	7.00	48F51
J99	23B	Karihavet area	PLEU PLA	1994	19941000	59	55.00	5	7.00	48F51
J99	24A	Vardøy	MYTI EDU	1990	19901030	60	10.20	5	0.80	49F52
J99	24A	Vardøy	MYTI EDU	1991	19911001	60	10.20	5	0.80	49F52
J99	25A	Hinneøy	MYTI EDU	1992	19920903	61	22.20	4	52.80	51F47
J99	25A	Hinneøy	MYTI EDU	1993	19930905	61	22.20	4	52.80	51F47
J99	26A	Hamnen	MYTI EDU	1992	19920902	61	52.70	5	13.60	52F51
J99	26A	Hamnen	MYTI EDU	1993	19930904	61	52.70	5	13.60	52F51
J99	27A	Grinden	MYTI EDU	1992	19920902	62	12.20	5	25.40	53F55
J99	28A	Eiksundet	MYTI EDU	1992	19920901	62	14.90	5	54.50	53F58
J99	28A	Eiksundet	MYTI EDU	1993	19930903	62	15.00	5	51.60	53F58
J26	301	Akershuskaia	MYTI EDU	1992	19921102	59	54.23	10	45.47	48G07
J26	302	Ormøya	MYTI EDU	1992	19921102	59	52.69	10	45.46	48G07
J26	303	Malmøya	MYTI EDU	1992	19921102	59	51.78	10	45.95	48G07
J26	304	Gåsøya	MYTI EDU	1992	19921102	59	51.11	10	35.51	48G04
J26	305	Lysaker	MYTI EDU	1992	19921102	59	54.36	10	38.60	48G04
J26	306	Håøya	MYTI EDU	1992	19921106	59	42.69	10	33.35	48G05

jmpco	jmpst	station name	species	myear	sampling date	latdg	latmi	longdg	lonmi	ICES area
J26	30A	Gressholmen	MYTI EDU	1984	19841011	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1985	19851029	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1986	19861020	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1987	19871012	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1988	19881107	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1989	19891018	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1990	19901107	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1991	19911009	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1992	19921102	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1993	19930915	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1994	19941030	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1995	19950926	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1996	19961003	59	52.50	10	43.00	48G07
J26	30A	Gressholmen	MYTI EDU	1997	19971014	59	52.75	10	43.00	48G07
J26	30B	Oslo City area	GADU MOR	1984	19841126	59	52.00	10	39.00	48G04
J26	30B	Oslo City area	GADU MOR	1985	19851111	59	52.00	10	39.00	48G04
J26	30B	Oslo City area	GADU MOR	1986	19861119	59	44.00	10	32.00	48G05
J26	30B	Oslo City area	GADU MOR	1987	19871111	59	44.00	10	32.00	48G05
J26	30B	Oslo City area	GADU MOR	1988	19890116	59	44.00	10	32.00	48G05
J26	30B	Oslo City area	GADU MOR	1989	19891113	59	52.00	10	39.00	48G04
J26	30B	Oslo City area	GADU MOR	1990	19901204	59	44.00	10	32.00	48G05
J26	30B	Oslo City area	GADU MOR	1991	19911003	59	44.00	10	32.00	48G05
J26	30B	Oslo City area	GADU MOR	1992	19921230	59	49.00	10	33.00	48G05
J26	30B	Oslo City area	GADU MOR	1993	19931106	59	49.00	10	33.00	48G05
J26	30B	Oslo City area	GADU MOR	1994	19941000	59	49.00	10	33.00	48G05
J26	30B	Oslo City area	GADU MOR	1995	19951106	59	49.00	10	33.00	48G05
J26	30B	Oslo City area	GADU MOR	1996	19970115	59	48.50	10	32.50	48G05
J26	30B	Oslo City area	GADU MOR	1996	19970116	59	42.80	10	34.70	48G05
J26	30B	Oslo City area	GADU MOR	1996	19970118	59	47.00	10	35.50	48G05
J26	30B	Oslo City area	GADU MOR	1996	19970122	59	48.50	10	32.50	48G05
J26	30B	Oslo City area	GADU MOR	1996	19970203	59	48.50	10	32.50	48G05
J26	30B	Oslo City area	GADU MOR	1997	19980115	59	48.50	10	32.50	48G05
J26	30B	Oslo City area	GADU MOR	1997	19980116	59	44.00	10	33.20	48G05
J26	30B	Oslo City area	GADU MOR	1997	19980117	59	47.00	10	35.50	48G05
J26	30B	Oslo City area	GADU MOR	1997	19980121	59	48.50	10	32.50	48G05
J26	30B	Oslo City area	GADU MOR	1997	19980202	59	48.50	10	32.50	48G05
J26	30F	Oslo City area	PLEU PLA	1992	19921215	59	47.00	10	34.00	48G05
J26	30F	Oslo City area	PLEU PLA	1994	19950118	59	47.00	10	34.00	48G05
J26	30F	Oslo City area	PLEU PLA	1995	19951106	59	47.00	10	34.00	48G05
J26	30G	Spro	PAND BOR	1995	19951106	59	45.80	10	34.50	48G05
J26	30H	Storegrunn	PAND BOR	1995	19951106	59	48.50	10	33.50	48G05
J26	30X	West of Nesodden	GADU MOR	1992	19930314	59	48.50	10	36.00	48G05
J26	31A	Solbergstrand	MYTI EDU	1981	19811229	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1983	19830302	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1983	19831012	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1984	19841011	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1985	19851024	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1986	19861020	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1987	19871105	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1988	19881102	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1989	19891018	59	36.90	10	39.40	48G06

jmpco	jmpst	station name	species	myear	sampling date	latdg	latmi	londg	lonmi	ICES area
J26	31A	Solbergstrand	MYTI EDU	1990	19901107	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1991	19911009	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1992	19921106	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1993	19930915	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1994	19941029	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1995	19950925	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1996	19961002	59	36.90	10	39.40	48G06
J26	31A	Solbergstrand	MYTI EDU	1997	19971013	59	36.90	10	39.40	48G06
J26	31B	Solbergstrand	GADU MOR	1981	19811223	59	36.90	10	39.40	48G06
J26	31B	Solbergstrand	GADU MOR	1982	19821200	59	36.90	10	39.40	48G06
J26	31B	Solbergstrand	PLAT FLE	1981	19811223	59	36.90	10	39.40	48G06
J26	31C	Solbergstrand	PAND BOR	1984	19841210	59	36.90	10	39.40	48G06
J26	32A	Rødtangen	MYTI EDU	1981	19811027	59	31.50	10	25.60	48G06
J26	32A	Rødtangen	MYTI EDU	1982	19821015	59	31.50	10	25.60	48G06
J26	32A	Rødtangen	MYTI EDU	1985	19851017	59	31.50	10	25.60	48G06
J26	33B	Sande (east side)	PLAT FLE	1983	19831229	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1985	19851113	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1986	19861119	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1987	19871110	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1988	19881001	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1989	19891018	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1990	19901113	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1991	19911023	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1992	19921012	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1993	19931001	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1994	19941000	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1995	19951015	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1996	19961001	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1996	19961101	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1996	19961201	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1997	19971015	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1997	19971115	59	31.70	10	21.00	48G06
J26	33B	Sande (east side)	PLAT FLE	1997	19971215	59	31.70	10	21.00	48G06
J26	33C	Sande	PAND BOR	1986	19861124	59	31.70	10	21.00	48G06
J26	33X	Sande (west side)	PLAT FLE	1990	19901106	59	31.70	10	20.40	48G06
J26	35A	Mølen	MYTI EDU	1981	19811027	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1982	19821015	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1983	19831007	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1984	19841017	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1985	19851017	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1986	19861020	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1987	19871105	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1988	19881103	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1989	19891018	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1990	19901107	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1991	19911009	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1992	19921106	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1993	19930914	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1994	19941029	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1995	19950925	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1996	19961002	59	29.20	10	30.10	47G04
J26	35A	Mølen	MYTI EDU	1997	19971013	59	29.20	10	30.10	47G04
J26	35C	Homlimestrand-Mølen	PAND BOR	1982	19821008	59	29.00	10	27.00	47G04
J26	35C	Homlimestrand-Mølen	PAND BOR	1988	19881117	59	29.00	10	27.00	47G04
J26	35C	Homlimestrand-Mølen	PAND BOR	1990	19901112	59	29.00	10	27.00	47G04

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J26	36A	Færder	MYTI EDU	1981	19811229	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1983	19830301	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1983	19831006	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1984	19841016	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1985	19851015	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1986	19861020	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1987	19871013	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1988	19881103	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1989	19891018	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1990	19901106	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1991	19911009	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1992	19921106	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1993	19930913	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1994	19941029	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1995	19950925	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1996	19961002	59	1.60	10	31.70	47G06
J26	36A	Færder	MYTI EDU	1997	19971012	59	1.60	10	31.70	47G06
J26	36B	Færder	GADU MOR	1981	19811229	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1982	19821200	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1983	19831201	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1984	19841214	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1985	19851216	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1986	19870204	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1987	19880105	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1988	19881213	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1989	19891201	59	2.00	10	32.00	47G06
J26	36B	Færder	GADU MOR	1990	19901105	59	2.00	10	27.00	47G06
J26	36B	Færder	GADU MOR	1991	19911201	59	2.00	10	27.00	47G06
J26	36B	Færder	GADU MOR	1992	19921215	59	2.00	10	27.00	47G06
J26	36B	Færder	GADU MOR	1993	19940101	59	2.00	10	27.00	47G06
J26	36B	Færder	GADU MOR	1994	19941220	59	2.00	10	27.00	47G06
J26	36B	Færder	GADU MOR	1995	19951215	59	2.00	10	27.00	47G06
J26	36B	Færder	GADU MOR	1996	19961130	59	2.00	10	27.00	47G06
J26	36B	Færder	GADU MOR	1997	19971012	59	2.00	10	32.00	47G06
J26	36F	Færder area	LIMA LIM	1990	19901101	59	4.00	10	23.00	47G06
J26	36F	Færder area	LIMA LIM	1991	19911201	59	4.00	10	23.00	47G06
J26	36F	Færder area	LIMA LIM	1992	19921215	59	4.00	10	23.00	47G06
J26	36F	Færder area	LIMA LIM	1993	19931201	59	4.00	10	23.00	47G06
J26	36F	Færder area	LIMA LIM	1994	19941200	59	4.00	10	23.00	47G06
J26	36F	Færder area	LIMA LIM	1995	19951115	59	4.00	10	23.00	47G06
J26	36F	Færder area	LIMA LIM	1996	19961215	59	4.00	10	23.00	47G06
J26	36F	Færder area	LIMA LIM	1997	19971012	59	4.00	10	23.00	47G06
J26	40C	Stellene	PAND BOR	1984	19841210	59	49.00	10	33.00	48G05
J26	40C	Stellene	PAND BOR	1992	19921220	59	49.00	10	33.00	48G05
J99	41A	Fensneset,Grytøya	MYTI EDU	1994	19940902	68	56.90	16	38.47	66G64
J99	41A	Fensneset,Grytøya	MYTI EDU	1995	19950907	68	56.90	16	38.47	66G64
J99	41A	Fensneset,Grytøya	MYTI EDU	1996	19960910	68	56.90	16	38.47	66G64
J99	41A	Fensneset,Grytøya	MYTI EDU	1997	19971129	68	56.90	16	38.47	66G64
J99	42A	Tennskjær,Malangen	MYTI EDU	1994	19940901	69	28.60	18	18.00	67G81
J99	42A	Tennskjær,Malangen	MYTI EDU	1995	19950906	69	28.60	18	18.00	67G81
J99	43A	Lynneset,Langfjord	MYTI EDU	1994	19940901	70	6.20	20	32.79	69H06
J99	43A	Lynneset,Langfjord	MYTI EDU	1995	19950906	70	6.20	20	32.79	69H06
J99	43A	Lynneset,Langfjord	MYTI EDU	1997	19971029	70	6.20	20	32.79	69H06
J99	43B	Kvænangen	GADU MOR	1994	19950200	70	9.00	21	22.00	69H16
J99	43B	Kvænangen	GADU MOR	1995	19960215	70	9.00	21	22.00	69H16
J99	43B	Kvænangen	GADU MOR	1996	19961031	70	9.00	21	22.00	69H16
J99	43F	Kvænangen,Olderfjord	LIMA LIM	1996	19961031	70	9.00	21	22.00	69H16
J99	43F	Kvænangen,Olderfjord	MICR KIT	1996	19961031	70	9.00	21	22.00	69H16

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J99	44A	Elenheimsundet	MYTI EDU	1994	19940831	70	30.97	22	14.80	70H23
J99	44A	Elenheimsundet	MYTI EDU	1995	19950904	70	30.97	22	14.80	70H23
J99	44A	Elenheimsundet	MYTI EDU	1996	19960908	70	30.97	22	14.80	70H23
J99	44A	Elenheimsundet	MYTI EDU	1997	19970928	70	30.97	22	14.80	70H23
J99	45A	Ytre Sauhamneset	MYTI EDU	1994	19940830	70	45.81	24	19.22	70H42
J99	45A	Ytre Sauhamneset	MYTI EDU	1995	19950903	70	45.81	24	19.22	70H42
J99	46A	Smynes ved Altesula	MYTI EDU	1994	19940830	70	58.38	25	48.14	70H57
J99	46A	Smynes ved Altesula	MYTI EDU	1995	19950903	70	58.38	25	48.14	70H57
J99	46A	Smynes ved Altesula	MYTI EDU	1996	19960907	70	58.38	25	48.14	70H57
J99	46B	Hammerfest area	GADU MOR	1994	19950216	70	50.00	23	44.00	70H37
J99	46B	Hammerfest area	GADU MOR	1995	19960201	70	50.00	23	44.00	70H37
J99	47A	Kilfjordneset	MYTI EDU	1994	19940829	70	52.89	27	22.17	70H74
J99	47A	Kilfjordneset	MYTI EDU	1995	19950902	70	52.89	27	22.17	70H74
J99	48A	Trollfjorden i Tanafjord	MYTI EDU	1994	19940828	70	41.61	28	33.28	70H85
J99	48A	Trollfjorden i Tanafjord	MYTI EDU	1995	19950901	70	41.61	28	33.28	70H85
J99	48A	Trollfjorden i Tanafjord	MYTI EDU	1996	19960906	70	41.61	28	33.28	70H85
J99	49A	Nordfjorden, Syltefj.	MYTI EDU	1994	19940827	70	33.10	30	5.17	70J03
J99	49A	Nordfjorden, Syltefj.	MYTI EDU	1995	19950831	70	33.10	30	5.17	70J03
J63	51A	Byrkjenes	MYTI EDU	1987	19870902	60	5.10	6	33.10	49F66
J63	51A	Byrkjenes	MYTI EDU	1988	19881006	60	5.10	6	33.10	49F66
J63	51A	Byrkjenes	MYTI EDU	1995	19951004	60	5.10	6	33.10	49F66
J63	51A	Byrkjenes	MYTI EDU	1996	19960923	60	5.10	6	33.10	49F66
J63	51A	Byrkjenes	MYTI EDU	1997	19970930	60	5.10	6	33.10	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1989	19890928	60	5.80	6	32.20	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1990	19901031	60	5.80	6	32.20	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1991	19911002	60	5.80	6	32.20	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1992	19920906	60	5.80	6	32.20	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1993	19930906	60	5.80	6	32.20	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1994	19941024	60	5.80	6	32.20	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1995	19950916	60	5.80	6	32.20	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1996	19960923	60	5.80	6	32.20	49F66
J63	52A	Eitrheimsneset	MYTI EDU	1997	19970930	60	5.80	6	32.20	49F66
J63	53B	Inner Særfjord	GADU MOR	1987	19870222	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1988	19881117	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1989	19891125	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1990	19901014	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1991	19911101	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1992	19921215	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1993	19931001	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1994	19941000	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1995	19951015	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	GADU MOR	1996	19960807	60	7.30	6	33.50	49F66
J63	53B	Inner Særfjord	GADU MOR	1996	19960814	60	8.00	6	32.50	49F66
J63	53B	Inner Særfjord	GADU MOR	1996	19961201	60	7.30	6	33.50	49F66
J63	53B	Inner Særfjord	GADU MOR	1996	19961202	60	8.00	6	32.50	49F66
J63	53B	Inner Særfjord	GADU MOR	1997	19970930	60	7.30	6	33.50	49F66
J63	53B	Inner Særfjord	GADU MOR	1997	19971004	60	8.00	6	32.50	49F66
J63	53B	Inner Særfjord	GLYP CYN	1987	19870222	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	PLAT FLE	1984	19840317	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	PLAT FLE	1988	19881118	60	10.00	6	34.00	49F65
J63	53B	Inner Særfjord	PLAT FLE	1989	19891228	60	10.00	6	34.00	49F65



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J63	53B	Inner Sørjord	PLAT FLE	1990	19901012	60	10.00	6	34.00	49F65
J63	53B	Inner Sørjord	PLAT FLE	1991	19911003	60	10.00	6	34.00	49F65
J63	53B	Inner Sørjord	PLAT FLE	1992	19921215	60	10.00	6	34.00	49F65
J63	53B	Inner Sørjord	PLAT FLE	1993	19930925	60	10.00	6	34.00	49F65
J63	53B	Inner Sørjord	PLAT FLE	1994	19941000	60	10.00	6	34.00	49F65
J63	53B	Inner Sørjord	PLAT FLE	1995	19951015	60	10.00	6	34.00	49F65
J63	53B	Inner Sørjord	PLAT FLE	1996	19960811	60	7.30	6	33.50	49F66
J63	53B	Inner Sørjord	PLAT FLE	1996	19960812	60	5.00	6	32.00	49F66
J63	53B	Inner Sørjord	PLAT FLE	1996	19960820	60	8.00	6	32.50	49F66
J63	53B	Inner Sørjord	PLAT FLE	1997	19970817	60	7.30	6	33.50	49F66
J63	53B	Inner Sørjord	PLAT FLE	1997	19970818	60	5.00	6	32.00	49F66
J63	53B	Inner Sørjord	PLAT FLE	1997	19971001	60	8.00	6	32.50	49F66
J63	53B	Inner Sørjord	SALM TRU	1990	19901001	60	10.00	6	34.00	49F65
J63	56A	Kvalnes	MYTI EDU	1987	19870902	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1988	19881006	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1988	19881007	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1989	19890929	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1990	19901101	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1991	19911002	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1992	19920906	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1993	19930906	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1994	19941023	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1995	19950917	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1996	19960922	60	13.40	6	36.10	49F65
J63	56A	Kvalnes	MYTI EDU	1997	19971001	60	13.40	6	36.10	49F65
J63	57A	Krossanes	MYTI EDU	1987	19870903	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1988	19881006	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1989	19890929	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1990	19901101	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1991	19911002	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1992	19920905	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1993	19930907	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1994	19941023	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1995	19950917	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1996	19960922	60	23.20	6	41.20	49F67
J63	57A	Krossanes	MYTI EDU	1997	19971001	60	23.20	6	41.20	49F67
J62	63A	Ranaskjær	MYTI EDU	1987	19870901	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1988	19881007	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1989	19890927	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1990	19901101	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1991	19911002	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1992	19920905	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1993	19930906	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1994	19941023	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1995	19950917	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1996	19960922	60	25.10	6	24.50	49F64
J62	63A	Ranaskjær	MYTI EDU	1997	19971001	60	25.10	6	24.50	49F64
J62	65A	Vikingneset	MYTI EDU	1987	19870901	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1988	19881007	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1988	19881008	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1989	19890927	60	14.50	6	9.60	49F62

JAMP Contaminants in shellfish 1993-1997 - Norway

jmpco	jmpst	station name	species	myear	sampling date	latdg	latmi	longdg	lonmi	ICES area
J62	65A	Vikingneset	MYTI EDU	1990	19901030	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1991	19911001	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1992	19920905	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1993	19930907	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1994	19941023	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1995	19950915	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1996	19960922	60	14.50	6	9.60	49F62
J62	65A	Vikingneset	MYTI EDU	1997	19971002	60	14.50	6	9.60	49F62
J62	67B	Strandebarm	GADU MOR	1987	19871125	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1988	19881011	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1989	19891015	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1990	19901009	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1991	19911023	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1992	19921201	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1993	19931101	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1994	19941203	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1995	19951101	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1996	19960817	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1996	19961031	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	GADU MOR	1997	19970930	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1984	19840200	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1987	19871125	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1988	19881011	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1989	19891208	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1990	19901101	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1991	19911030	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1992	19921201	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1993	19931101	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1994	19941104	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1995	19951101	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1996	19961001	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	LEPI WHI	1997	19970901	60	16.00	6	2.00	49F62
J62	67B	Strandebarm	PLAT FLE	1996	19960817	60	13.10	5	59.50	49F58
J62	69A	Lille Terøy	MYTI EDU	1992	19920905	59	58.79	5	45.35	48F57
J62	69A	Lille Terøy	MYTI EDU	1993	19930906	59	58.79	5	45.35	48F57
J62	69A	Lille Terøy	MYTI EDU	1994	19941025	59	58.79	5	45.35	48F57
J62	69A	Lille Terøy	MYTI EDU	1995	19950915	59	58.79	5	45.35	48F57
J62	69A	Lille Terøy	MYTI EDU	1996	19960921	59	58.79	5	45.35	48F57
J62	69A	Lille Terøy	MYTI EDU	1997	19970929	59	58.79	5	45.35	48F57
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1981	19810317	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1982	19821110	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1983	19831109	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1984	19841108	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1985	19851024	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1986	19861021	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1987	19871022	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1988	19881103	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1989	19891010	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1990	19901105	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1991	19911008	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1992	19921112	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1993	19930913	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1994	19941028	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1995	19950924	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1996	19960929	59	1.40	9	45.40	47F99
J26	71A	Bjerkøya (Risøyodd.)	MYTI EDU	1997	19971010	59	1.40	9	45.40	47F99
J26	73A	Lyngholmen	MYTI EDU	1990	19901105	59	2.60	10	18.10	47G03
J26	74A	Oddneskjær	MYTI EDU	1990	19901105	58	57.30	9	52.10	46F97

jmpco	jmpst	station name	species	myear	sampling date	latdg	latmi	lon dg	lonmi	ICES area
J99	76A	Risøy	MYTI EDU	1990	19901105	58	43.60	9	17.00	46F92
J99	76A	Risøy	MYTI EDU	1991	19911008	58	43.60	9	17.00	46F92
J99	76A	Risøy	MYTI EDU	1992	19921021	58	43.60	9	17.00	46F92
J99	76A	Risøy	MYTI EDU	1993	19930913	58	43.60	9	17.00	46F92
J99	76A	Risøy	MYTI EDU	1996	19960928	58	43.60	9	17.00	46F92
J99	76A	Risøy	MYTI EDU	1997	19971016	58	43.60	9	17.00	46F92
J99	77A	Flostafjord	MYTI EDU	1990	19901104	58	31.50	8	56.90	46F89
J99	77A	Flostafjord	MYTI EDU	1991	19911007	58	31.50	8	56.90	46F89
J99	77B	Borøy area	GADU MOR	1990	19901104	58	33.00	9	1.00	46F93
J99	77B	Borøy area	GADU MOR	1991	19911001	58	33.00	9	1.00	46F93
J99	77B	Borøy area	LIMA LIM	1991	19911101	58	33.00	9	1.00	46F93
J99	77C	Borøy area	PAND BOR	1990	19901104	58	29.00	9	10.00	45F91
J99	79A	Gjerdsvoldsøyen east	MYTI EDU	1990	19901104	58	24.80	8	45.30	45F87
J99	79A	Gjerdsvoldsøyen east	MYTI EDU	1991	19911007	58	24.80	8	45.30	45F87
J65	80A	Østmarknes	MYTI EDU	1984	19841024	63	27.50	10	27.50	55G04
J65	80A	Østmarknes	MYTI EDU	1985	19851104	63	27.50	10	27.50	55G04
J65	81A	Biologisk Stasjon	MYTI EDU	1984	19841024	63	26.50	10	21.40	55G04
J65	82A	Flakk	MYTI EDU	1984	19841024	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1985	19851104	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1986	19861117	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1987	19871021	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1988	19881117	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1989	19891024	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1991	19911101	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1992	19920830	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1993	19930901	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1995	19950911	63	27.10	10	12.60	55G01
J65	82A	Flakk	MYTI EDU	1996	19960918	63	27.10	10	12.60	55G01
J65	83A	Frøsetskjær	MYTI EDU	1984	19841024	63	25.50	10	7.80	55G01
J65	84A	Trossavika	MYTI EDU	1984	19841023	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1985	19851104	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1986	19861117	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1987	19871021	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1988	19881117	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1989	19891024	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1991	19911101	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1992	19920830	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1993	19930901	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1995	19950911	63	20.80	9	57.80	55F97
J65	84A	Trossavika	MYTI EDU	1996	19960918	63	20.80	9	57.80	55F97
J65	84B	Trossavika	GADU MOR	1984	19841000	63	20.80	9	57.80	55F97
J65	84B	Trossavika	GADU MOR	1985	19851127	63	20.80	9	57.80	55F97
J65	84B	Trossavika	GADU MOR	1986	19861118	63	20.80	9	57.80	55F97
J65	84B	Trossavika	GADU MOR	1987	19871020	63	20.80	9	57.80	55F97
J65	84B	Trossavika	GADU MOR	1988	19881117	63	20.80	9	57.80	55F97
J65	84B	Trossavika	MELA AEG	1986	19861118	63	20.80	9	57.80	55F97
J65	84B	Trossavika	MELA AEG	1987	19871020	63	20.80	9	57.80	55F97
J65	84B	Trossavika	MELA AEG	1988	19881117	63	20.80	9	57.80	55F97
J65	84B	Trossavika	MERL MNG	1987	19871020	63	20.80	9	57.80	55F97
J65	84B	Trossavika	MERL MNG	1988	19881117	63	20.80	9	57.80	55F97
J65	84B	Trossavika	MICR KIT	1988	19881117	63	20.80	9	57.80	55F97
J65	84B	Trossavika	POLL POL	1985	19851127	63	20.80	9	57.80	55F97
J65	84B	Trossavika	POLL POL	1986	19861118	63	20.80	9	57.80	55F97
J65	84B	Trossavika	POLL POL	1988	19881117	63	20.80	9	57.80	55F97
J65	84B	Trossavika	POLL VIR	1988	19881117	63	20.80	9	57.80	55F97
J65	85A	Geitstrand	MYTI EDU	1984	19841023	63	21.90	9	56.30	55F97
J65	86A	Geitnes	MYTI EDU	1984	19841023	63	26.60	9	59.20	55F97

jmpco	jmpst	station name	species	myear	sampling date	latdg	latmi	longd	lonmi	ICES area
J65	87A	Ingdalsbuk	MYTI EDU	1984	19841023	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1985	19851104	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1986	19861117	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1987	19871021	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1988	19881117	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1989	19891024	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1991	19911101	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1992	19920830	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1993	19930901	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1995	19950911	63	27.80	9	54.80	55F97
J65	87A	Ingdalsbuk	MYTI EDU	1996	19960918	63	27.80	9	54.80	55F97
J65	88A	Rødberg	MYTI EDU	1984	19841023	63	29.20	10	0.00	55G01
J65	88A	Rødberg	MYTI EDU	1985	19851104	63	29.20	10	0.00	55G01
J99	91A	Nerdvika	MYTI EDU	1992	19920831	63	23.80	8	17.60	55F81
J99	91A	Nerdvika	MYTI EDU	1993	19930901	63	21.20	8	9.60	55F81
J99	91A	Nerdvika	MYTI EDU	1994	19941019	63	21.20	8	9.60	55F81
J99	92A	Stokken	MYTI EDU	1992	19920829	64	4.60	10	0.70	57G03
J99	92A	Stokken	MYTI EDU	1993	19930831	64	4.60	10	0.70	57G03
J99	92A	Stokken	MYTI EDU	1994	19941018	64	4.60	10	0.70	57G03
J99	92A	Stokken	MYTI EDU	1995	19950911	64	4.60	10	0.70	57G03
J99	92A	Stokken	MYTI EDU	1996	19960917	64	4.60	10	0.70	57G03
J99	92A	Stokken	MYTI EDU	1997	19971015	64	2.21	10	1.10	57G03
J99	92B	Stokken area	GADU MOR	1993	19940207	64	9.85	9	53.00	57F99
J99	92B	Stokken area	GADU MOR	1994	19950100	64	9.85	9	53.00	57F99
J99	92B	Stokken area	GADU MOR	1995	19951001	64	9.85	9	53.00	57F99
J99	92B	Stokken area	GADU MOR	1996	19961115	64	9.85	9	53.00	57F99
J99	92B	Stokken area	LIMA LIM	1995	19950927	64	9.85	9	53.00	57F99
J99	92B	Stokken area	PLEU PLA	1995	19950927	64	9.85	9	53.00	57F99
J99	93A	Sætervik	MYTI EDU	1992	19920829	64	23.50	10	28.00	57G04
J99	93A	Sætervik	MYTI EDU	1993	19930831	64	23.68	10	29.00	57G04
J99	94A	Landfast	MYTI EDU	1992	19920828	65	38.40	12	0.50	60G23
J99	94A	Landfast	MYTI EDU	1993	19930829	65	38.40	12	0.50	60G23
J99	95A	Flatskjær	MYTI EDU	1992	19920827	66	42.60	13	15.80	62G32
J99	95A	Flatskjær	MYTI EDU	1993	19930828	66	42.60	13	15.80	62G32
J99	96A	Brevik	MYTI EDU	1992	19920827	66	17.60	12	50.50	61G28
J99	96A	Brevik	MYTI EDU	1993	19930828	66	17.60	12	50.50	61G28
J99	97A	Klakholmen	MYTI EDU	1992	19920826	67	39.90	14	44.60	64G49
J99	97A	Klakholmen	MYTI EDU	1993	19930825	67	39.90	14	44.60	64G49
J99	98A	Svolvær området	MYTI EDU	1992	19920825	68	9.40	14	39.30	65G46
J99	98A	Svolvær området	MYTI EDU	1993	19930826	68	9.40	14	39.30	65G46
J99	98A	Svolvær området	MYTI EDU	1997	19971125	68	15.40	14	40.60	65G48
J99	98B	Lille Molla	GADU MOR	1992	19921201	68	12.00	14	48.00	65G48
J99	98B	Lille Molla	GADU MOR	1993	19931115	68	12.00	14	48.00	65G48
J99	98B	Lille Molla	GADU MOR	1994	19941100	68	12.00	14	48.00	65G48
J99	98B	Lille Molla	GADU MOR	1995	19951101	68	12.00	14	48.00	65G48
J99	98B	Lille Molla	GADU MOR	1996	19961115	68	12.00	14	48.00	65G48
J99	98B	Lille Molla	GADU MOR	1997	19971201	68	12.00	14	48.00	65G48
J99	98B	Lille Molla	LIMA LIM	1993	19931115	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	GLYP CYN	1995	19951101	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	LIMA LIM	1994	19941001	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	LIMA LIM	1995	19951101	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	LIMA LIM	1996	19961215	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	MICR KIT	1994	19941001	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	MICR KIT	1995	19951101	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	PLEU PLA	1993	19931115	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	PLEU PLA	1995	19951101	68	12.00	14	48.00	65G48
J99	98F	Lille Molla	PLEU PLA	1997	19971115	68	12.00	14	48.00	65G48

jmpco	jmpst	station name	species	myear	sampling date	latdg	latmi	longd	lonmi	ICES area
J99	98X	Skrova	MYTI EDU	1994	19940902	68	10.50	14	40.15	65G48
J99	98X	Skrova	MYTI EDU	1995	19950908	68	10.50	14	40.15	65G48
J99	98X	Skrova	MYTI EDU	1996	19960911	68	10.50	14	40.15	65G48
J99	99A	Brunvær	MYTI EDU	1992	19920826	68	0.30	15	5.60	65G53
J99	99A	Brunvær	MYTI EDU	1993	19930826	68	0.30	15	5.60	65G53
J26	I001	Sponvikskansen	MYTI EDU	1995	19951024	59	5.40	11	12.50	47G13
J26	I001	Sponvikskansen	MYTI EDU	1996	19961001	59	5.40	11	12.50	47G13
J26	I011	Kråkenebbet	MYTI EDU	1995	19951024	59	6.10	11	17.30	47G13
J26	I011	Kråkenebbet	MYTI EDU	1996	19961001	59	6.10	11	17.30	47G13
J26	I021	Kjøka,south	MYTI EDU	1995	19951026	59	7.80	10	57.10	47G09
J26	I021	Kjøka,south	MYTI EDU	1996	19960930	59	7.80	10	57.10	47G09
J26	I021	Kjøka,south	MYTI EDU	1997	19971012	59	7.79	10	57.10	47G09
J26	I022	West Damholmen	MYTI EDU	1995	19951025	59	6.20	10	57.90	47G09
J26	I022	West Damholmen	MYTI EDU	1996	19960930	59	6.20	10	57.90	47G09
J26	I022	West Damholmen	MYTI EDU	1997	19971013	59	6.20	10	57.90	47G09
J26	I023	Singlekalven, south	MYTI EDU	1995	19951024	59	5.70	11	8.20	47G13
J26	I023	Singlekalven, south	MYTI EDU	1996	19961001	59	5.70	11	8.20	47G13
J26	I023	Singlekalven, south	MYTI EDU	1997	19971013	59	5.70	11	8.20	47G13
J26	I024	Kirkøy, north west	MYTI EDU	1995	19951025	59	4.90	10	59.20	47G09
J26	I024	Kirkøy, north west	MYTI EDU	1996	19960930	59	4.90	10	59.20	47G09
J26	I024	Kirkøy, north west	MYTI EDU	1997	19971012	59	4.90	10	59.20	47G09
J65	I080	Østmerknes	MYTI EDU	1995	19951025	63	27.50	10	27.50	55G04
J65	I080	Østmerknes	MYTI EDU	1996	19960917	63	27.50	10	27.50	55G04
J99	I131	Lastad	MYTI EDU	1995	19951029	58	3.30	7	42.40	45F79
J99	I131	Lastad	MYTI EDU	1996	19960926	58	3.30	7	42.40	45F79
J99	I131	Lastad	MYTI EDU	1997	19971008	58	3.30	7	42.40	45F79
J99	I132	Fiskåtangen	MYTI EDU	1995	19951029	58	7.70	7	58.60	45F79
J99	I132	Fiskåtangen	MYTI EDU	1996	19960927	58	7.70	7	58.60	45F79
J99	I132	Fiskåtangen	MYTI EDU	1997	19971008	58	7.70	7	58.60	45F79
J99	I133	Oddera,west	MYTI EDU	1995	19951029	58	7.90	8	0.20	45F83
J99	I133	Oddera,west	MYTI EDU	1996	19960928	58	7.90	8	0.20	45F83
J99	I133	Oddera,west	MYTI EDU	1997	19971008	58	7.90	8	0.20	45F83
J99	I201	Ekkjegrunn (G1)	MYTI EDU	1995	19951021	59	38.65	6	21.38	48F66
J99	I201	Ekkjegrunn (G1)	MYTI EDU	1996	19961026	59	38.65	6	21.38	48F66
J99	I201	Ekkjegrunn (G1)	MYTI EDU	1997	19971031	59	38.65	6	21.38	48F66
J99	I205	Bølsnes (G5)	MYTI EDU	1995	19951021	59	35.50	6	18.30	48F63
J99	I205	Bølsnes (G5)	MYTI EDU	1997	19971031	59	35.50	6	18.30	48F63
J99	I241	Nordnes	MYTI EDU	1995	19951113	60	24.10	5	18.20	49F51
J99	I241	Nordnes	MYTI EDU	1996	19960921	60	24.10	5	18.20	49F51
J99	I241	Nordnes	MYTI EDU	1997	19970929	60	24.10	5	18.20	49F51
J99	I242	Valheimneset	MYTI EDU	1995	19951114	60	23.70	5	16.10	49F51
J99	I242	Valheimneset	MYTI EDU	1996	19960921	60	23.70	5	16.10	49F51
J99	I242	Valheimneset	MYTI EDU	1997	19970929	60	23.70	5	16.10	49F51
J99	I243	Hegreneset	MYTI EDU	1995	19951115	60	24.90	5	18.50	49F51
J99	I243	Hegreneset	MYTI EDU	1996	19960921	60	24.90	5	18.50	49F51
J99	I243	Hegreneset	MYTI EDU	1997	19970929	60	24.90	5	18.50	49F51
J26	I301	Akershuskaia	MYTI EDU	1995	19951002	59	54.23	10	45.47	48G07
J26	I301	Akershuskaia	MYTI EDU	1996	19961003	59	54.23	10	45.47	48G07
J26	I301	Akershuskaia	MYTI EDU	1997	19971014	59	54.23	10	45.47	48G07
J26	I304	Gåsøya	MYTI EDU	1995	19951002	59	51.11	10	35.51	48G04
J26	I304	Gåsøya	MYTI EDU	1996	19961003	59	51.11	10	35.51	48G04
J26	I304	Gåsøya	MYTI EDU	1997	19971014	59	51.11	10	35.51	48G04
J26	I306	Håøya	MYTI EDU	1995	19951003	59	42.69	10	33.35	48G05
J26	I306	Håøya	MYTI EDU	1996	19961003	59	42.69	10	33.35	48G05
J26	I306	Håøya	MYTI EDU	1997	19971014	59	42.69	10	33.35	48G05

jmpco	jmpst	station name	species	myear	sampling date	latdg	latmi	longd	lonmi	ICES area
J26	I307	Ramtonholmen	MYTI EDU	1995	19951003	59	44.70	10	31.40	48G05
J26	I307	Ramtonholmen	MYTI EDU	1996	19961003	59	44.70	10	31.40	48G05
J26	I307	Ramtonholmen	MYTI EDU	1997	19971014	59	44.70	10	31.40	48G05
J99	I711	Steinholmen	MYTI EDU	1995	19951101	59	3.15	9	40.70	47F99
J99	I711	Steinholmen	MYTI EDU	1996	19961122	59	3.15	9	40.70	47F99
J99	I711	Steinholmen	MYTI EDU	1997	19971010	59	3.15	9	40.70	47F99
J99	I712	Gjemesholmen	MYTI EDU	1995	19951101	59	2.75	9	42.47	47F99
J99	I712	Gjemesholmen	MYTI EDU	1996	19960929	59	2.75	9	42.47	47F99
J99	I712	Gjemesholmen	MYTI EDU	1997	19971010	59	2.75	9	42.47	47F99
J99	I911	Horvika	MYTI EDU	1995	19951027	62	44.10	8	31.40	54F85
J99	I911	Horvika	MYTI EDU	1996	19960915	62	44.10	8	31.40	54F85
J99	I912	Honnhammer	MYTI EDU	1995	19951027	62	51.20	8	9.70	54F81
J99	I912	Honnhammer	MYTI EDU	1996	19960915	62	51.20	8	9.70	54F81
J99	I912	Honnhammer	MYTI EDU	1997	19980120	62	51.20	8	9.70	54F81
J99	I962	Koksverklomta (B2)	MYTI EDU	1995	19951102	66	19.57	14	8.38	61G42
J99	I962	Koksverklomta (B2)	MYTI EDU	1996	19960914	66	19.57	14	8.38	61G42
J99	I962	Koksverklomta (B2)	MYTI EDU	1997	19971113	66	19.57	14	8.38	61G42
J99	I969	Bjarnbærviken (B9)	MYTI EDU	1995	19951102	66	16.79	14	2.13	61G42
J99	I969	Bjarnbærviken (B9)	MYTI EDU	1996	19960914	66	16.79	14	2.13	61G42
J99	I969	Bjarnbærviken (B9)	MYTI EDU	1997	19971113	66	16.79	14	2.13	61G42
J99	R096	Breiviken, Tomma	MYTI EDU	1995	19951105	66	17.60	12	50.50	61G28
J99	R096	Breiviken, Tomma	MYTI EDU	1996	19960913	66	17.60	12	50.50	61G28

## **Appendix C. Abbreviations**

Abbreviation <sup>1</sup>	English	Norwegian
<b>ELEMENTS</b>		
Al	aluminium	<i>aluminium</i>
As	arsenic	<i>arsen</i>
Cd	cadmium	<i>kadmium</i>
Co	cobalt	<i>kobolt</i>
Cr	chromium	<i>krom</i>
Cu	copper	<i>kobber</i>
Fe	iron	<i>jern</i>
Hg	mercury	<i>kvikksølv</i>
Li	lithium	<i>litium</i>
Mn	manganese	<i>mangan</i>
Ni	nickel	<i>nikkel</i>
Pb	lead	<i>bly</i>
Pb210	lead-210	<i>bly-210</i>
Se	selenium	<i>selen</i>
Ti	titanium	<i>titan</i>
Zn	zinc	<i>sink</i>
<b>PAHs</b>		
PAH	polycyclic aromatic hydrocarbons	<i>polysykliske aromatiske hydrokarboner</i>
ACNE	acenaphthene	<i>acenaften</i>
ACNLE	acenaphthylene	<i>acenaftylen</i>
ANT	anthracene	<i>antracen</i>
BAA <sup>3</sup>	benz[a]anthracene	<i>benz[a]antracen</i>
BAP <sup>3</sup>	benzo[a]pyrene	<i>benzo[a]pyren</i>
BBF <sup>3</sup>	benzo[b]fluoranthene	<i>benzo[b]fluoranten</i>
BBJKF	benzo[b,j,k]fluoranthene	<i>benzo[b,j,k]fluoranten</i>
BBKF	benzo[b+k]fluoranthene	<i>benzo[b+k]fluoranten</i>
BEP	benzo[e]pyrene	<i>benzo[e]pyren</i>
BGHIP	benzo[ghi]perylene	<i>benzo[ghi]perylen</i>
BIPN <sup>2</sup>	biphenyl	<i>bifenyl</i>
BBJKF <sup>3</sup>	benzo[b+j,k]fluoranthene	<i>benzo[b+j,k]fluorantren</i>
BJKF <sup>3</sup>	benzo[j,k]fluoranthene	<i>benzo[j,k]fluorantren</i>
CHR	chrysene	<i>chrysen</i>
CHRTR	chrysene+triphenyl	<i>chrysen+trifenylen</i>
COR	coronene	<i>coronen</i>
DBAHA <sup>3</sup>	dibenz[a,h]anthracene	<i>dibenz[a,h]antracen</i>
DBA3A <sup>3</sup>	dibenz[a,c/a,h]anthracene	<i>dibenz[a,c/a,h]antracen</i>
DBP <sup>3</sup>	dibenzopyrenes	<i>dibenzopyren</i>
DBT	dibenzothiophene	<i>dibenzotiofen</i>
DBTC1	C <sub>1</sub> -dibenzothiophenes	<i>C<sub>1</sub>-dibenzotiofen</i>
DBTC2	C <sub>2</sub> -dibenzothiophenes	<i>C<sub>2</sub>-dibenzotiofen</i>
DBTC3	C <sub>3</sub> -dibenzothiophenes	<i>C<sub>3</sub>-dibenzotiofen</i>
FLE	fluorene	<i>fluoren</i>
FLU	fluoranthene	<i>fluoranten</i>



Abbreviation <sup>1</sup>	English	Norwegian
<b>PAHs (cont.)</b>		
ICDP <sup>3</sup>	indeno[1,2,3-cd]pyrene	<i>indeno[1,2,3-cd]pyren</i>
NAPTM <sup>2</sup>	2,3,5-trimethylnaphthalene	<i>2,3,5-trimetylnaftalen</i>
NAP <sup>2</sup>	naphthalene	<i>naftalen</i>
NAPC1 <sup>2</sup>	C <sub>1</sub> -naphthalenes	<i>C<sub>1</sub>-naftalen</i>
NAPC2 <sup>2</sup>	C <sub>2</sub> -naphthalenes	<i>C<sub>2</sub>-naftalen</i>
NAPC3 <sup>2</sup>	C <sub>3</sub> -naphthalenes	<i>C<sub>3</sub>-naftalen</i>
NAP1M <sup>2</sup>	1-methylnaphthalene	<i>1-metylnaftalen</i>
NAP2M <sup>2</sup>	2-methylnaphthalene	<i>2-metylnaftalen</i>
NAPDI <sup>2</sup>	2,6-dimethylnaphthalene	<i>2,6-dimetylnaftalen</i>
PA	phenanthrene	<i>fenantren</i>
PAC1	C <sub>1</sub> -phenanthrenes	<i>C<sub>1</sub>-fenantren</i>
PAC2	C <sub>2</sub> -phenanthrenes	<i>C<sub>2</sub>-fenantren</i>
PAM1	1-methylphenanthrene	<i>1-metylfenantren</i>
PER	perylene	<i>perylen</i>
PYR	pyrene	<i>pyren</i>
DI-Σn	sum of "n" dicyclic "PAH"s (footnote 2)	<i>sum "n" disykliske "PAH" (fotnote 2)</i>
P-Σn	sum "n" PAH	<i>sum "n" PAH</i>
PK-Σn	sum carcinogen PAH's (footnote 3)	<i>sum kreftfremkallende PAH (fotnote 3)</i>
PAHΣΣ	DI-Σn + P-Σn etc.	<i>DI-Σn + P-Σn mm..</i>
SPAHH	"total" PAH, specific compounds not quantified (outdated analytical method)	<i>"total" PAH, spesifikke forbindelser ikke kvantifisert (foreldret metode)</i>
<b>PCBs</b>		
PCB	polychlorinated biphenyls	<i>polyklorerte bifenyler</i>
CB	individual chlorobiphenyls (CB)	<i>enkelte klorobifenyl</i>
CB28	CB28 (IUPAC)	<i>CB28 (IUPAC)</i>
CB31	CB31 (IUPAC)	<i>CB31 (IUPAC)</i>
CB44	CB44 (IUPAC)	<i>CB44 (IUPAC)</i>
CB52	CB52 (IUPAC)	<i>CB52 (IUPAC)</i>
CB77 <sup>4</sup>	CB77 (IUPAC)	<i>CB77 (IUPAC)</i>
CB81 <sup>4</sup>	CB81 (IUPAC)	<i>CB81 (IUPAC)</i>
CB95	CB95 (IUPAC)	<i>CB95 (IUPAC)</i>
CB101	CB101 (IUPAC)	<i>CB101 (IUPAC)</i>
CB105	CB105 (IUPAC)	<i>CB105 (IUPAC)</i>
CB110	CB110 (IUPAC)	<i>CB110 (IUPAC)</i>
CB118	CB118 (IUPAC)	<i>CB118 (IUPAC)</i>
CB126 <sup>4</sup>	CB126 (IUPAC)	<i>CB126 (IUPAC)</i>
CB128	CB128 (IUPAC)	<i>CB128 (IUPAC)</i>
CB138	CB138 (IUPAC)	<i>CB138 (IUPAC)</i>
CB149	CB149 (IUPAC)	<i>CB149 (IUPAC)</i>
CB153	CB153 (IUPAC)	<i>CB153 (IUPAC)</i>
CB156	CB156 (IUPAC)	<i>CB156 (IUPAC)</i>
CB169 <sup>4</sup>	CB169 (IUPAC)	<i>CB169 (IUPAC)</i>

## Abbreviations (cont'd.)

Abbreviation <sup>1</sup>	English	Norwegian
<b>PCBs (cont.)</b>		
CB170	CB170 (IUPAC)	CB170 (IUPAC)
CB180	CB180 (IUPAC)	CB180 (IUPAC)
CB194	CB194 (IUPAC)	CB194 (IUPAC)
CB209	CB209 (IUPAC)	CB209 (IUPAC)
CB-Σ7	CB: 28+52+101+118+138+153+180	CB: 28+52+101+118+138+153+180
CB-ΣΣ	sum of CBs, includes CB-Σ7	sum CBar, inkluderer CB-Σ7
TECBW	Sum of CB-toxicity equivalents after WHO model, see <b>TEQ</b>	Sum CB- toksitets ekvivalenter etter WHO modell, se <b>TEQ</b>
TECBS	Sum of CB-toxicity equivalents after SAFE model, see <b>TEQ</b>	Sum CB-toksitets ekvivalenter etter SAFE modell, se <b>TEQ</b>
<b>DIOXINS</b>		
TCDD	2, 3, 7, 8-tetrachloro-dibenzo dioxin	2, 3, 7, 8-tetrakloro-dibenzo dioksin
CDDST	Sum of tetrachloro-dibenzo dioxins	Sum tetrakloro-dibenzo dioksiner
CDD1N	1, 2, 3, 7, 8-pentachloro-dibenzo dioxin	1, 2, 3, 7, 8-pentakloro-dibenzo dioksin
CDDSN	Sum of pentachloro-dibenzo dioxins	Sum pentakloro-dibenzo dioksiner
CDD4X	1, 2, 3, 4, 7, 8-hexachloro-dibenzo dioxin	1, 2, 3, 4, 7, 8-heksakloro-dibenzo dioksin
CDD6X	1, 2, 3, 6, 7, 8-hexachloro-dibenzo dioxin	1, 2, 3, 6, 7, 8-heksakloro-dibenzo dioksin
CDD9X	1, 2, 3, 7, 8, 9-hexachloro-dibenzo dioxin	1, 2, 3, 7, 8, 9-heksakloro-dibenzo dioksin
CDDSX	Sum of hexachloro-dibenzo dioxins	Sum heksakloro-dibenzo dioksiner
CDD6P	1, 2, 3, 4, 6, 7, 8-heptachloro-dibenzo dioxin	1, 2, 3, 4, 6, 7, 8-heptakloro-dibenzo dioksin
CDDSH	Sum of heptachloro-dibenzo dioxins	Sum heptakloro-dibenzo dioksiner
CDDO	Octachloro-dibenzo dioxin	Oktakloro-dibenzo dioksin
PCDD	Sum of polychlorinated dibenzo-p-dioxins	Sum polyklorinerte-dibenzo-p-dioksiner
CDF2T	2, 3, 7, 8-tetrachloro-dibenzofuran	2, 3, 7, 8-tetrakloro-dibenzofuran
CDFST	Sum of tetrachloro-dibenzofurans	Sum tetrakloro-dibenzofuraner
CDFDN	1, 2, 3, 7, 8/1, 2, 3, 4, 8-pentachloro-dibenzofuran	1, 2, 3, 7, 8/1, 2, 3, 4, 8-pentakloro-dibenzofuran
CDF2N	2, 3, 4, 7, 8-pentachloro-dibenzofurans	2, 3, 4, 7, 8-pentakloro-dibenzofuran
CDFSN	Sum of pentachloro-dibenzofurans	Sum pentakloro-dibenzofuraner
CDFDX	1, 2, 3, 4, 7, 8/1, 2, 3, 4, 7, 9-hexachloro-dibenzofuran	1, 2, 3, 4, 7, 8/1, 2, 3, 4, 7, 9-heksakloro-dibenzofuran
CDF6X	1, 2, 3, 6, 7, 8-hexachloro-dibenzofuran	1, 2, 3, 6, 7, 8-heksakloro-dibenzofuran
CDF9X	1, 2, 3, 7, 8, 9-hexachloro-dibenzofuran	1, 2, 3, 7, 8, 9-heksakloro-dibenzofuran
CDF4X	2, 3, 4, 6, 7, 8-hexachloro-dibenzofuran	2, 3, 4, 6, 7, 8-heksakloro-dibenzofuran
CDFSX	Sum of hexachloro-dibenzofurans	Sum heksakloro-dibenzofuraner
CDF6P	1, 2, 3, 4, 6, 7, 8-heptachloro-dibenzofuran	1, 2, 3, 4, 6, 7, 8-heptakloro-dibenzofuran
CDF9P	1, 2, 3, 4, 7, 8, 9-heptachloro-dibenzofuran	1, 2, 3, 4, 7, 8, 9-heptakloro-dibenzofuran
CDFSP	Sum of heptachloro-dibenzofurans	Sum heptakloro-dibenzofuraner
CDFO	Octachloro-dibenzofurans	Oktakloro-dibenzofuran
PCDF	Sum of polychlorinated dibenzo-furans	Sum polyklorinerte dibenzo-furaner
CDDFS	Sum of PCDD and PCDF	Sum PCDD og PCDF

## Abbreviations (cont'd.)

Abbreviation <sup>1</sup>	English	Norwegian
<b>DIOXINS (cont.)</b>		
TCDDN	Sum of TCDD-toxicity equivalents after Nordic model, see <b>TEQ</b>	Sum TCDD- toksitets ekvivalenter etter Nordisk modell, se <b>TEQ</b>
TCDDI	Sum of TCDD-toxicity equivalents after international model, see <b>TEQ</b>	Sum TCDD-toksitets ekvivalenter etter internasjonale modell, se <b>TEQ</b>
<b>PESTICIDES</b>		
ALD	aldrin	aldrin
DIELD	dieldrin	dieldrin
ENDA	endrin	endrin
CCDAN	cis-chlordane (=α-chlordane)	cis-chlordan (=α-chlordan)
TC DAN	trans-chlordane (=γ-chlordane)	trans-chlordan (=γ-chlordan)
OCDAN	oxy-chlordane	oxy-chlordan
TNONC	trans-nonachlor	trans-nonaklor
TC DAN	trans-chlordane	trans-chlordan
OCS	octachlorostyrene	octaklorstyren
QCB	pentachlorobenzene	pentaklorbenzen
DDD	dichlorodiphenyldichloroethane 1,1-dichloro-2,2-bis- (4-chlorophenyl)ethane	diklordifenyldikloreten 1,1-dikloro-2,2-bis-(4-klorofenyl)etan
DDE	dichlorodiphenyldichloroethylene (principle metabolite of DDT) 1,1-dichloro-2,2-bis- (4-chlorophenyl)ethylene*	diklordifenyldikloretylen (hovedmetabolitt av DDT) 1,1-dikloro-2,2-bis- (4-klorofenyl)etylen
DDT	dichlorodiphenyltrichloroethane 1,1,1-trichloro-2,2-bis- (4-chlorophenyl)ethane	diklordifenyiltrikloreten 1,1,1-trikloro-2,2-bis-(4-klorofenyl)etan
DDEOP	o,p'-DDE	o,p'-DDE
DDEPP	p,p'-DDE	p,p'-DDE
DDTOP	o,p'-DDT	o,p'-DDT
DDTPP	p,p'-DDT	p,p'-DDT
TDEPP	p,p'-DDD	p,p'-DDD
DDTEP	p,p'-DDE + p,p'-DDT	p,p'-DDE + p,p'-DDT
DD-nΣ	sum of DDT and metabolites, n = number of compounds	sum DDT og metabolitter, n = antall forbindelser

## Abbreviations (cont'd.)

Abbreviation <sup>1</sup>	English	Norwegian
HCB	hexachlorobenzene	heksaklorbenzen
HCHG	lindane $\gamma$ HCH = gamma hexachlorocyclohexane ( $\gamma$ BHC = gamma benzenhexachloride, outdated synonym)	<i>lindan</i> $\gamma$ HCH = gamma heksaklorsykleheksan ( $\gamma$ BHC = gamma benzenheksaklorid, foreldret betegnelse)
HCHA	$\alpha$ HCH = alpha HCH	$\alpha$ HCH = alpha HCH
HCHB	$\beta$ HCH = beta HCH	$\beta$ HCH = beta HCH
HC-n $\Sigma$	sum of HCHs, n = count	sum av HCHs, n = antall
EOCI	extractable organically bound chlorine	ekstraherbart organisk bundet klor
EPOCI	extractable persistent organically bound chlorine	ekstraherbart persistent organisk bundet klor
NTOT	total organic nitrogen	total organisk nitrogen
CTOT	total organic carbon	total organisk karbon
CORG	organic carbon	organisk karbon
GSAMT	grain size	kornfordeling
MOCON	moisture content	vanninnhold

## Abbreviations (cont'd.)

Abbreviation <sup>1</sup>	English	Norwegian
<b>INSTITUTES</b>		
IFEN	Institute for Energy Technology	<i>Institutt for energiteknikk</i>
FIER	Institute for Nutrition, Fisheries Directorate	<i>Fiskeridirektoratets Ernæringsinstitutt</i>
FORC	FORCE Institutes, Div. for Isotope Technique and Analysis [DK]	<i>FORCE Institutterne, Div. for Isotopteknik og Analyse [DK]</i>
IMRN	Institute of Marine Research (IMR)	<i>Havforskningsinstituttet</i>
NACE	Nordic Analytical Center	<i>Nordisk Analyse Center</i>
NILU	Norwegian Institute for Air Research	<i>Norsk institutt for luftforskning</i>
NIVA	Norwegian Institute for Water Research	<i>Norsk institutt for vannforskning</i>
SERI	Swedish Environmental Research Institute	<i>Institutionen för vatten- och luftvårdsforskning</i>
VETN	Norwegian Veterinary Institute	<i>Veterinærinstituttet</i>
SIIF	Fondation for Scientific and Industrial Research at the Norwegian Institute of Technology - SINTEF (a division, previously: Center for Industrial Research SI)	<i>Stiftelsen for industriell og teknisk forskning ved Norges tekniske høyskole- SINTEF (en avdeling, tidligere: Senter for industriforskning SI)</i>

<sup>1</sup>) After: ICES Environmental Data Reporting Formats, International Council for the Exploration of the Sea, July 1996 and supplementary codes related to non-ortho and mono-ortho PCB's and "dioxins" (ICES pers. comm.)

<sup>2</sup>) Indicates "PAH" compounds that are dicyclic and not truly PAH's typically identified during the analyses of PAH, include naphthalenes and "biphenyls".

<sup>3</sup>) Indicates PAH compounds potentially cancerogenic for humans according to IARC (1987), i.e., categories 2A+2B (possibly and probably carcinogenic).

<sup>4</sup>) Indicates non ortho- co-planer PCB compounds i.e., those that lack Cl in positions 1, 1', 5, and 5'

<sup>\*</sup>) The Pesticide Index, second edition. The Royal Society of Chemistry, 1991.

Other abbreviations *andre forkortelser*

	English	Norwegian
TEQ	<p>"Toxicity equivalency factors" for the most toxic compounds within the following groups:</p> <ul style="list-style-type: none"> <li>• polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDFs). Equivalents calculated after Nordic model (Ahlborg <i>et al.</i>, 1989)<sup>1</sup> or international model (Int./EPA, cf. Ahlborg <i>et al.</i>, 1992)<sup>2</sup></li> <li>• non-ortho and mono-ortho substituted chlorobiphenyls after WHO model (Ahlborg <i>et al.</i>, 1994)<sup>3</sup> or Safe (1994, cf., NILU pers. comm.)</li> </ul>	<p><i>"Toxisitetsequivalentfaktorer" for de giftigste forbindelsene innen følgende grupper.</i></p> <ul style="list-style-type: none"> <li>• <i>polyklorete dibenzo-p-dioksiner og dibenzofuraner (PCDD/PCDF). Ekvivalentberegning etter nordisk modell (Ahlborg et al., 1989)<sup>1</sup> eller etter internasjonal modell (Int./EPA, cf. Ahlborg et al., 1992)<sup>2</sup></i></li> <li>• <i>non-orto og mono-orto substituerte klorobifenyler etter WHO modell (Ahlborg et al., 1994)<sup>3</sup> eller Safe (1994, cf., NILU pers. medd.)</i></li> </ul>
ppm	parts per million, mg/kg	<i>deler pr. milliondeler, mg/kg</i>
ppb	parts per billion, µg/kg	<i>deler pr. milliarddeler, µg/kg</i>
ppp	parts per trillion, ng/kg	<i>deler pr. tusen-milliarddeler, ng/kg</i>
d.w.	dry weight basis	<i>tørrvekt basis</i>
w.w.	wet weight or fresh weight basis	<i>våttvekt eller friskvekt basis</i>

<sup>1</sup>) Ahlborg, U.G., 1989. Nordic risk assessment of PCDDs and PCDFs. *Chemosphere* 19:603-608.

<sup>2</sup>) Ahlborg, U.G., Brouwer, A., Fingerhut, M.A., Jacobson, J.L., Jacobson, S.W., Kennedy, S.W., Kettrup, A.F., Koeman, J.H., Poiger, H., Rappe, C., Safe, S.H., Schlatter, C., Seegal, R.F., Tuomisto, J., van den Berg, M., 1992. Impact of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls on human and environmental health, with special emphasis on application of the toxic equivalency factor concept *European Journal of Pharmacology . Environmental Toxicology and Pharmacology Section* 228 (1992) 179-199

<sup>3</sup>) Ahlborg, U.G., Becking G.B., Birnbaum, L.S., Brouwer, A., Derks, H.J.G.M., Feely, M., Golor, G., Hanberg, A., Larsen, J.C., J.C., Liem, A.K.G., Safe, S.H., Schlatter, C., Wärm, F., Younes, M., Yrjänheikki, E., 1994. Toxic equivalency factors for dioxin-like PCBs. Report on a WHO-ECEH and IPSC consultation , December 1993. *Chemosphere* 28:1049-1067.

## Appendix D. SHELLFISH 1993-1997 RAW DATA

### NOTES

This appendix presents concentrations of the contaminants found in shellfish. All data are on a original basis; that is, the basis on which the sample was analysed. Three units of measure are used: **ppm** (parts per million, mg/kg), **ppb** (parts per billion, µg/kg) and **ppp** (parts per trillion, ng/kg). The numeric values shown have been printed with a fixed number of digits and do not necessarily indicate analytical precision. Refer also to the comments preceding the table.

The data is sorted in the order of::

<b>Species</b>	Alphabetically by ICES code; Latin, English and Norwegian name follow.
<b>Tissue</b>	Softbody, tail muscle
<b>Sample area</b>	Geographically beginning with those stations near the Swedish border and continuing around the coast to the Russian border (cf., maps, Appendix A). The sample area code refers to the official JAMP designation and for some areas this may be undefined (J99).

Note that the results from bulked samples and individuals are treated separately.

The abbreviations for analytical laboratory and variable name are explained in Appendix C. Analysis codes have been described Green (1993b). An overview of variables, detection limits and data count are given in recent JAMP annual reports (cf., Green *et al* 1999.).

10/11-99

REPORT INFORMATION : " S H E L L F I S H " .

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----- : -----
Table-File-Name      : I:\TBX\JMG\BIO\TAB-0SHL.TB1
Limit-CheckFile     : )LIM\NO-LIMIT.SHL
Weight basis        : "ORIGINAL".
Table SORT-Mode     : 1. SPECIES.
                   : 2. TISSUE.
                   : 3. LOCALITY-index. (Predefined sequence)
                   : 4. DATE
                   : 5. SAMPLE-TYPE (Indiv.,Bulked,Homogenate)
----- : -----

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NOTES :

- + The detection limits given here are approximations based on 3 times the standard deviation of the "blank" or near zero concentration of a solution.  
Day to day variations in the analytical instrument may lead to different detection limits.
- + Method codes are explained in: Green,N.W.,1993. Overview of Analytical Methods Employed by JMP in Norway 1981-92. NIVA project 80106.
- + NB ! The numeric values shown have been printed with a FIXED number of digits, and do not necessarily indicate analytical precision.
- + If a numeric value is suspect, the value is ignored in parameter statistics. (Unless all observations are suspect).  
If value can not be converted to basis for this table, the value is printed in the original basis but not included in any parameter statistics unless all values are in original basis.
- + For "Σ" variables (e.g. CB\_Σ7, DD\_Σn) , all the "<"-values (less than the detection limits) are counted only once.  
If two or more different "<"-values are present, the maximum of the least questionable (suspect) "<"-value is used.  
Any missing "Σ"-elements are ignored.
- + If replicates are analyzed, the mean value of the replicates is counted in parameter statistics.
- + If value is prefixed "<<", the number of "<" values is greater or equal to 25% of computed observations.  
Standard Deviation values are prefixed "-" if any "<" values are included.
- + Footnotes consist of 4 parts:
  - 1: a letter code (e.g ? or a/A)  
The letter code may include one or more characters indicating possible matching letters referenced before or after numbers.  
When more letters are given, the syntax "A:D" means any of "A,B,C or D" while syntax "a/A" means any of "a" or "A" is referencing.
  - 2: a count (in paranthesis)
  - 3: a "|" or ">"  
"|" refer to notes BEFORE numeric values.  
>" refer to notes AFTER numeric values.
  - 4: The footnote explanation.













Tab.width cont'd MYTI EDU, SB, J26, 31A Solbergstrand, 1993-0915.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		Σ(*)		NIVA		NIVA		
	341	341	341	341	341	341	341		
Sample/Shell-length	-light	No of	HCBA	HCBG	HC	Σn	HCB	QCB	OCS
Repl. Min/Max/Mean	mm	g	ppb	ppb	ppb	ppb	ppb	ppb	ppb
no.	mm	g	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T
01/ 1	20:29	25.0	1.00	50	0.10	0.30	0.40	<0.10	<0.10
02/ 1	30:39	35.0	2.80	50	0.10	0.40	0.50	<0.10	<0.10
03/ 1	40:48	44.0	5.80	50	0.10	0.30	0.40	<0.10	<0.10
Mean	36.7	3.20	50.0		0.10	0.33	0.43	<<.10	<<.10
Minimum	25.0	1.00	50		0.10	0.30	0.40	<0.10	<0.10
Maximum	44.0	5.80	50		0.10	0.40	0.50	<0.10	<0.10
St.dev.	9.5	2.42	0.0		0.00	0.06	0.06	0.00	0.00
Count	3	3	3		3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample area: J26 Oslofjorden, Tissue: Whole SOFT BODY.  
 Locality : 31A Solbergstrand, Latitude: 59°36.90N, Longitude: 10°39.40E.  
 Catch date : 1994-1029, Count: 150, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311
Sample/Shell-length	-light	No of	CB28	CB52	CB101	CB118	CB138	CB153	CB156	CB180	CB209	CB 27	CB 22	CB 22	CB 22	CB 22	CB 22	CB 22	CB 22	CB 22
Repl. Min/Max/Mean	mm	g	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
no.	mm	g	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T
01/ 1	24:29	27.2	0.84	20.60	2.26	0.184	1.460	0.013	0.360	23.90	0.67	1.55	2.21	0.93	2.18	1.69	2.22	2.22	2.22	2.22
02/ 1	31:39	36.0	2.04	21.90	2.39	0.171	1.360	0.011	0.300	21.20	0.65	1.67	2.48	0.81	2.16	1.81	2.46	2.46	2.46	2.46
03/ 1	40:49	44.6	3.84	23.40	2.54	0.164	1.410	0.011	0.300	20.80	0.76	1.87	3.20	1.18	2.97	2.64	3.34	3.34	3.34	3.34
Mean	35.9	27.2	2.24	21.97	2.39	0.175	1.410	0.011	0.320	21.97	0.69	1.70	2.63	0.97	2.44	2.05	2.67	2.67	2.67	2.67
Minimum	27.2	20.60	2.26	20.60	2.26	0.164	1.360	0.011	0.300	20.80	0.65	1.55	2.21	0.81	2.16	1.69	2.22	2.22	2.22	2.22
Maximum	44.6	36.0	3.84	23.40	2.54	0.184	1.460	0.013	0.360	23.90	0.76	1.87	3.20	1.18	2.97	2.64	3.34	3.34	3.34	3.34
St.dev.	8.7	0.0	1.51	1.40	0.15	0.010	0.050	0.001	0.035	1.69	0.06	0.16	0.51	0.19	0.46	0.52	0.59	0.59	0.59	0.59
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q(12) | Suspect value(s)

Tab.width cont'd MYTI EDU, SB, J26, 31A Solbergstrand, 1994-1029.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		Σ(*)		NIVA		NIVA		
	341	341	341	341	341	341	341		
Sample/Shell-length	-light	No of	HCBA	HCBG	HC	Σn	HCB	QCB	OCS
Repl. Min/Max/Mean	mm	g	ppb	ppb	ppb	ppb	ppb	ppb	ppb
no.	mm	g	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T
01/ 1	24:29	27.2	0.12	0.35	0.47	0.05	<0.05	<0.05	<0.05
02/ 1	31:39	36.0	0.14	0.20	0.43	0.06	<0.05	<0.05	<0.05
03/ 1	40:49	44.6	0.12	0.32	0.44	0.05	<0.05	<0.05	<0.05
Mean	35.9	27.2	0.13	0.32	0.45	0.05	<<.05	<<.05	<<.05
Minimum	27.2	20.60	0.12	0.29	0.43	0.05	<0.05	<0.05	<0.05
Maximum	44.6	36.0	0.14	0.35	0.47	0.06	<0.05	<0.05	<0.05
St.dev.	8.7	0.0	0.01	0.03	0.02	0.01	0.00	0.00	0.00
Count	3	3	3	3	3	3	3	3	3







## Tab,width cont'd MYTI EDU, SB, J26, 31A Solbergstrand, 1996-1002.

Sample no.	Shell-length mm	Weight g	Analytical Lab.		Analysis Code.		Detection Limit.		Shell-length		Weight		No of		Σ(*)		Σ(*)		Σ(*)		Σ(*)		
			Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max
01/1	26:29	28.0	1.87	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
02/1	30:39	35.0	4.08	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
03/1	40:49	45.0	7.22	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
04/1	32:49	42.0	5.60	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mean	37.5	4.69	52.5		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Minimum	28.0	1.87	50		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Maximum	45.0	7.22	60		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
St.dev.	7.6	2.28	5.0		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Count	4	4	4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.

Sample area: J26 Oslofjorden, Tissue : Whole SOFT BODY.

Locality : 31A Solbergstrand, Latitude: 59°36.90N, Longitude: 10°39.40E.

Catch, date : 1997-1013, Count: 200, Sample type: Bulk.

Sample no.	Shell-length mm	Weight g	Analytical Lab.		Analysis Code.		Detection Limit.		Shell-length		Weight		No of		Σ(*)		Σ(*)		Σ(*)		Σ(*)		
			Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max
01/1	20:29	25.1	1.00	100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
02/1	30:39	33.9	2.28	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
03/1	40:49	44.3	5.24	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mean	34.4	2.84	66.7		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Minimum	25.1	1.00	50		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Maximum	44.3	5.24	100		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
St.dev.	9.6	2.17	28.9		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Count	3	3	3		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

## Tab,width cont'd MYTI EDU, SB, J26, 31A Solbergstrand, 1997-1013.

Sample no.	Shell-length mm	Weight g	Analytical Lab.		Analysis Code.		Detection Limit.		Shell-length		Weight		No of		Σ(*)		Σ(*)		Σ(*)		Σ(*)	
			Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean
01/1	20:29	25.1	1.00	100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
02/1	30:39	33.9	2.28	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
03/1	40:49	44.3	5.24	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mean	34.4	2.84	66.7		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Minimum	25.1	1.00	50		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Maximum	44.3	5.24	100		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
St.dev.	9.6	2.17	28.9		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Count	3	3	3		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.





Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J26 Oslofjorden, Tissue : Whole SOFT BODY.  
 Locality : 35A Mølen, Latitude: 59°29.20N, Longitude: 10°30.10E.  
 Catch, date : 1996-1002, Count: 200, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312
Mean	0.050	0.010	0.005	0.050	1.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Weight	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
St.dev.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab-width cont'd MYTI EDU, SB, J26, 35A Mølen, 1996-1002.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
Mean	0.18	0.05	0.18	0.23	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Weight	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
St.dev.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J26 Oslofjorden, Tissue : Whole SOFT BODY.  
 Locality : 35A Mølen, Latitude: 59°29.20N, Longitude: 10°30.10E.  
 Catch, date : 1997-1013, Count: 200, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312
Mean	0.66	20.40	3.26	0.219	1.240	0.009	0.150	23.00	0.18	0.40	0.35	0.58	0.21	0.41	0.71	0.32	0.33	0.63	0.65	0.86	0.86	0.86
Weight	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
St.dev.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab.width cont'd MYTI EDU, SB, J26, 35A Mølen, 1997-1013.

Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	MO		NIVA		Zn		HCHG		HC		Dn		OCB		OCS	
				Min/Max	Mean	341	341	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
01/1	20:29	24.9	1.09	100	2.75	0.24	0.92	1.16	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
02/1	30:39	34.1	2.65	50	2.99	0.21	0.82	1.05	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
03/1	40:49	44.5	5.66	50	2.40	0.27	1.05	1.32	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Mean	34.5	3.13	66.7		2.71	0.24	0.95	1.17	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Minimum	24.9	1.09	50		2.40	0.21	0.82	1.05	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Maximum	44.5	5.66	100		2.99	0.27	1.05	1.32	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
St.dev.	9.8	2.32	28.9		0.30	0.03	0.12	0.15	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample area: J26 Oslofjorden, Tissue : Whole SOFT BODY.  
 Locality : 36A Færder, Latitude: 59°01.60N, Longitude: 10°31.70E.  
 Catch, date : 1993-0913, Count: 150, Sample type: Bulk.

Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	MO		NIVA		Zn		HCHG		HC		Dn		OCB		OCS	
				Min/Max	Mean	311	341	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
01/1	20:29	24.0	0.60	50	0.42	18.90	1.40	0.170	1.040	0.008	0.370	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
02/1	30:39	34.0	1.30	50	1.24	18.70	1.30	0.170	1.040	0.006	0.270	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170
03/1	40:46	42.0	2.00	50	1.96	20.50	1.50	0.180	1.130	0.008	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370
Mean	33.3	1.30	50.0		1.21	19.37	1.40	0.175	1.097	0.007	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
Minimum	24.0	0.60	50		0.42	18.70	1.30	0.170	1.040	0.006	0.270	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170
Maximum	42.0	2.00	50		1.96	20.50	1.50	0.180	1.130	0.008	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370
St.dev.	9.0	0.70	0.0		0.77	0.99	0.10	0.006	0.069	0.001	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q(36) | Suspect value(s)

Tab.width cont'd MYTI EDU, SB, J26, 36A Færder, 1993-0913.

Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	MO		NIVA		Zn		HCHG		HC		Dn		OCB		OCS	
				Min/Max	Mean	341	341	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
01/1	20:29	24.0	0.60	50	0.10	0.30	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
02/1	30:39	34.0	1.30	50	0.10	0.30	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
03/1	40:46	42.0	2.00	50	0.10	0.30	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Mean	33.3	1.30	50.0		0.10	0.30	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Minimum	24.0	0.60	50		0.10	0.30	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Maximum	42.0	2.00	50		0.10	0.30	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
St.dev.	9.0	0.70	0.0		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	

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Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J26 Oslofjorden, Tissue: Whole SOFT BODY.  
 Locality : 36A Færder, Latitude: 59°01.60N, Longitude: 10°31.70E.  
 Catch, date : 1994-1029, Count: 150, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA									
	312	311	310	311	341	341	341	341	341	341
Mean	0.050	0.010	0.005	0.080	0.05	0.05	0.05	0.05	0.05	0.05
Shell-length	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Weight	g	g	g	g	g	g	g	g	g	g
St.dev.	3	3	3	3	3	3	3	3	3	3
Count	3	3	3	3	3	3	3	3	3	3

Tab width cont'd MYTI EDU, SB, J26, 36A Færder, 1994-1029.

Analytical Lab. Analysis Code. Detection Limit.	NIVA									
	341	341	341	341	341	341	341	341	341	341
Mean	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Shell-length	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Weight	g	g	g	g	g	g	g	g	g	g
St.dev.	3	3	3	3	3	3	3	3	3	3
Count	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J26 Oslofjorden, Tissue: Whole SOFT BODY.  
 Locality : 36A Færder, Latitude: 59°01.60N, Longitude: 10°31.70E.  
 Catch, date : 1995-0925, Count: 150, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA									
	312	311	310	312	341	341	341	341	341	341
Mean	0.050	0.010	0.005	0.080	0.05	0.05	0.05	0.05	0.05	0.05
Shell-length	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Weight	g	g	g	g	g	g	g	g	g	g
St.dev.	3	3	3	3	3	3	3	3	3	3
Count	3	3	3	3	3	3	3	3	3	3

miss(!) 1 Missing value.

















## Tab.width cont'd MYTI EDU, SB, J99, 76A Risøy, 1996-0928.

Samp/ Repl. no.	Shell-length mm	Weight g	NIVA			Σ(*)			NIVA			Σ(*)			NIVA			Σ(*)		
			341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
01/ 1	20:29	26.0	0.88	100	<0.05	0.11	<0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
02/ 1	30:39	35.0	2.18	50	<0.05	0.12	<0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
03/ 1	40:49	45.0	4.65	50	0.10	0.48	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Mean		35.3	2.57	66.7	<0.07	0.24	<0.30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Minimum		26.0	0.88	50	<0.05	0.11	<0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Maximum		45.0	4.65	100	0.10	0.48	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
St.dev.		9.5	1.92	28.9	0.03	0.21	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 76A Risøy, Latitude: 58°43.60N, Longitude: 09°17.00E.  
 Catch, date : 1997-1016, Count: 200, Sample type: Bulk.

Samp/ Repl. no.	Shell-length mm	Weight g	NIVA			Σ(*)			NIVA			Σ(*)			NIVA			Σ(*)									
			311	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341							
01/ 1	20:29	23.2	0.55	100	0.44	17.40	1.85	0.207	1.060	0.015	0.320	23.80	0.61	0.23	0.49	0.26	0.49	0.69	0.69	0.12	<0.05	3.3	<3.7	0.3	0.22	0.53	
02/ 1	30:39	35.0	2.58	50	1.62	17.30	1.36	0.183	1.350	0.012	0.340	18.30	0.52	0.48	0.48	0.37	0.71	0.84	0.84	0.07	<0.05	4.1	4.7	0.2	0.12	0.33	
03/ 1	40:49	44.9	5.46	50	3.20	17.40	1.85	0.222	1.560	0.014	0.300	22.90	0.39	0.29	0.46	0.25	0.48	0.68	0.68	0.05	<0.05	3.0	3.4	0.2	0.10	0.27	
Mean		34.4	2.86	66.7	1.75	17.23	1.53	0.204	1.323	0.014	0.320	21.67	0.51	0.33	0.54	0.29	0.56	0.74	0.74	0.08	<0.05	3.5	3.9	0.2	0.15	0.38	
Minimum		23.2	0.55	50	0.44	17.00	1.36	0.183	1.060	0.012	0.300	18.30	0.39	0.23	0.46	0.25	0.48	0.68	0.68	0.05	<0.05	3.0	3.4	0.2	0.10	0.27	
Maximum		44.9	5.46	100	3.20	17.40	1.85	0.222	1.560	0.015	0.340	23.80	0.61	0.48	0.48	0.37	0.71	0.84	0.84	0.09	<0.05	4.1	4.7	0.3	0.22	0.53	
St.dev.		10.9	2.47	28.9	1.38	0.21	0.27	0.020	0.251	0.002	0.020	2.95	0.11	0.13	0.12	0.07	0.13	0.10	0.09	0.01	0.04	0.00	0.6	0.7	0.1	0.06	0.14
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

## Tab.width cont'd MYTI EDU, SB, J99, 76A Risøy, 1997-1016.

Samp/ Repl. no.	Shell-length mm	Weight g	NIVA			Σ(*)			NIVA			Σ(*)			NIVA			Σ(*)								
			341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341						
01/ 1	20:29	23.2	0.55	100	0.08	0.41	0.49	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
02/ 1	30:39	35.0	2.58	50	0.06	0.29	0.35	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
03/ 1	40:49	44.9	5.46	50	0.05	0.25	0.30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mean		34.4	2.86	66.7	0.06	0.32	0.38	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Minimum		23.2	0.55	50	0.05	0.25	0.30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Maximum		44.9	5.46	100	0.08	0.41	0.49	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
St.dev.		10.9	2.47	28.9	0.02	0.08	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3



Tab.width cont'd MYTI EDU, SB, J99, 15A Gåsøy, 1994-1027.

Sample no.	Shell-length mm	Weight g	No of shells	NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)	
				341	341	341	341	341	341	341	341	341	341	341	341
01/1	26:29	27.9	50	0.07	0.31	0.38	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
02/1	33:39	36.8	50	0.05	0.21	0.26	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
03/1	40:49	42.7	50	0.06	0.21	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mean	35.8		50.0	0.06	0.24	0.30	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05
Minimum	27.9		50	0.05	0.21	0.26	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Maximum	42.7		50	0.07	0.31	0.38	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
St.dev.	7.5		0.0	0.01	0.06	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count	3		3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 15A Gåsøy, Latitude: 58°03.07'N, Longitude: 06°53.16'E.  
 Catch, date : 1995-0923, Count: 150, Sample type: Bulkied.

Sample no.	Shell-length mm	Weight g	No of shells	NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)	
				311	341	311	341	341	341	341	341	341	341	341	341	341	341	341	341
01/1	20:29	27.2	50	22.30	2.21	0.366	1.290	0.005	0.190	15.90	0.05	0.13	0.18	0.26	0.05	0.05	0.05	0.05	0.18
02/1	30:39	34.2	50	23.00	0.21	0.331	1.210	0.005	0.120	14.40	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
03/1	40:49	44.7	50	24.50	1.91	0.315	1.220	0.004	0.120	14.30	<0.05	0.10	0.16	0.22	<0.05	<0.05	<0.05	<0.8	<0.8
Mean	35.4		50.0	23.27	1.44	0.337	1.260	0.005	0.143	14.87	<0.05	<0.09	<0.13	<0.18	<0.05	<0.05	<0.05	<0.5	<0.6
Minimum	27.2		50	22.30	0.21	0.315	1.210	0.004	0.120	14.30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
Maximum	44.7		50	24.50	2.21	0.366	1.290	0.005	0.190	15.90	0.05	0.13	0.18	0.26	<0.05	<0.05	<0.05	<0.8	<0.9
St.dev.	8.8		0.0	1.12	1.08	0.028	0.044	0.001	0.040	0.90	0.00	0.04	0.07	0.11	0.00	0.00	0.00	0.4	0.5
Count	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

miss(1) | Missing value.

Tab.width cont'd MYTI EDU, SB, J99, 15A Gåsøy, 1995-0923.

Sample no.	Shell-length mm	Weight g	No of shells	NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)	
				341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
01/1	20:29	27.2	50	0.13	0.28	0.41	0.05	<0.05	<0.05	14.87	0.05	0.13	0.18	0.26	0.05	0.05	0.05	0.05	0.18
02/1	30:39	34.2	50	<0.05	0.07	<0.12	<0.05	<0.05	<0.05	14.30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1
03/1	40:49	44.7	50	0.12	0.26	0.38	0.05	<0.05	<0.05	14.30	0.05	0.10	0.16	0.22	<0.05	<0.05	<0.05	<0.8	<0.8
Mean	35.4		50.0	<0.10	0.20	<0.30	<<0.05	<<0.05	<<0.05	14.87	<0.05	<0.09	<0.13	<0.18	<0.05	<0.05	<0.05	<0.5	<0.6
Minimum	27.2		50	<0.05	0.07	<0.12	<0.05	<0.05	<0.05	14.30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
Maximum	44.7		50	0.13	0.28	0.41	0.05	<0.05	<0.05	15.90	0.05	0.13	0.18	0.26	<0.05	<0.05	<0.05	<0.8	<0.9
St.dev.	8.8		0.0	0.04	0.12	0.16	0.00	0.00	0.00	0.90	0.00	0.04	0.07	0.11	0.00	0.00	0.00	0.4	0.5
Count	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3



Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 15A Gåsøy, Latitude: 58°03.07N, Longitude: 06°53.16E.  
 Catch,date : 1995-0923, Count: 150, Sample type: Homogenate.

Analytical Lab. Analysis Code. Detection Limit.	NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		
	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sample Shell-length	CB77	CB81	CB126	CB169	CB 24	TEBOW	TEBOS	CB 2E	TCDD	CBUST	CBIN	CBNS	CBAX	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK
Repl. Min/Max, Mean	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
no. minimum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
04/ 1 26:49 35.0	150	6.49	0.16	0.53	0.13	7.31	0.06	0.12	0.0	0.02	0.21	<0.01	0.06	<0.01	0.02	0.02	0.02	0.06	0.08	0.08	0.08

Tab.width cont'd MYTI EDU, SB, J99, 15A Gåsøy, 1995-0923.

Analytical Lab. Analysis Code. Detection Limit.	NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		
	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sample Shell-length	CBZT	CBST	CBIN	CBZN	CBNS	CBAX	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK	CBXK
Repl. Min/Max, Mean	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
no. minimum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
04/ 1 26:49 35.0	150	0.21	1.76	0.06	0.05	0.44	0.05	0.02	<0.01	0.02	0.02	0.04	<0.02	0.04	0.08	2.53	0.12	<0.09	<0.09	<0.09	<0.09

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 15A Gåsøy, Latitude: 58°03.07N, Longitude: 06°53.16E.  
 Catch,date : 1996-0926, Count: 260, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU	
	312	311	310	312	311	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
Mean	0.53	17.30	1.31	0.280	1.620	0.009	0.190	46.10	<0.05	<0.05	0.06	<0.05	<0.05	0.07	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Sample Shell-length	02/ 1	30:39	35.0	1.83	50	03/ 1	40:49	44.0	2.47	50	04/ 1	37:49	42.0	2.32	60	01/ 1	21:29	26.0	0.63	100	02/ 1	30:39
Repl. Min/Max, Mean	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
no. minimum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
01/ 1 21:29 26.0	100	1.66	16.80	1.19	0.227	1.333	0.008	0.133	39.30	<0.05	0.06	<0.05	<0.06	0.09	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Minimum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Maximum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
St.dev.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Count	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
01/ 1 21:29 26.0	100	1.66	16.80	1.19	0.227	1.333	0.008	0.133	39.30	<0.05	0.06	<0.05	<0.06	0.09	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Minimum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Maximum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
St.dev.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Count	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
01/ 1 21:29 26.0	100	1.66	16.80	1.19	0.227	1.333	0.008	0.133	39.30	<0.05	0.06	<0.05	<0.06	0.09	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Minimum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Maximum	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
St.dev.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Count	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm

s/q(45) | Suspect value(s)

i ( 1 ) | Suspect or ambiguous basis-value(s) ignored in statistics.

Tab.width cont'd MYTI EDU, SB, J99, 15A Gåsøy, 1996-0926.

Analytical Lab. Analysis Code.	Detection Limit.	Shell-length mm	Weight g	Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)	
				ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E
01/ 1 21:29	26.0	0.63	100																		
02/ 1 30:39	35.0	1.85	50																		
03/ 1 40:49	44.0	2.47	100																		
04/ 1 37:49	42.0	2.32	60																		
Mean	36.8	1.81	65.0																		
Minimum	26.0	0.63	50																		
Maximum	44.0	2.47	100																		
St.dev.	8.1	0.85	23.8																		
Count	4	4	4																		

Tab.width cont'd MYTI EDU, SB, J99, 15A Gåsøy, 1996-0926.

Analytical Lab. Analysis Code.	Detection Limit.	Shell-length mm	Weight g	Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)	
				ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E
01/ 1 21:29	26.0	0.63	100																		
02/ 1 30:39	35.0	1.85	50																		
03/ 1 40:49	44.0	2.47	100																		
04/ 1 37:49	42.0	2.32	60																		
Mean	36.8	1.81	65.0																		
Minimum	26.0	0.63	50																		
Maximum	44.0	2.47	100																		
St.dev.	8.1	0.85	23.8																		
Count	4	4	4																		

Species : MYTI EDU, *Mytilus edulis*, G8: Blue mussel, N: Blåskjel.  
 Sample area: J99 Undefined, Tissue : Whole SOFT BODY.  
 Locality : 15A Gåsøy, Latitude: 59°03.07N, Longitude: 06°53.16E.  
 Catch date : 1997-1007, Count: 200, Sample type: Bulked.

Analytical Lab. Analysis Code.	Detection Limit.	Shell-length mm	Weight g	Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)		Σ(*)	
				ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E	ppb	M.W.E
01/ 1 21:29	25.6	0.97	100																		
02/ 1 30:39	34.4	2.16	50																		
03/ 1 40:49	43.5	4.15	50																		
Mean	34.5	2.43	66.7																		
Minimum	25.6	0.97	50																		
Maximum	43.5	4.15	100																		
St.dev.	9.0	1.61	28.9																		
Count	3	3	3																		

## Tab.width cont'd MYTI EDU, SB, J99, 15A Gåsey, 1997-1007.

Analytical Lab.	NIVA	NIVA	Zr(*)	NIVA	NIVA	NIVA
Analysis Code.	341	341	1	341	341	341
Detection Limit.	0.05	0.05	1	0.05	0.05	0.05
Samp/Shell-length	HCBA	HCBG	HC	Dn	HCB	QCB
Repl. Min/Max,Mean	ppb	ppb	ppb	ppb	ppb	ppb
no. msum	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt
01/ 1 21:29	25.6	0.97	100	0.05	0.31	0.36
02/ 1 30:39	34.4	2.16	50	0.09	0.45	0.54
03/ 1 40:49	43.5	4.15	50	0.10	0.43	0.53
Mean	34.5	2.43	66.7	0.08	0.40	0.48
Minimum	25.6	0.97	50	0.05	0.31	0.36
Maximum	43.5	4.15	100	0.10	0.45	0.54
St.dev.	9.0	1.61	28.9	0.03	0.08	0.10
Count	3	3	3	3	3	3

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J63 Sørfjorden, Tissue: Whole SOFT BODY.  
 Locality : 51A Byrkjenes, Latitude: 60°05.10N, Longitude: 06°33.10E.  
 Catch, date : 1995-1004, Count: 57, Sample type: Homogenate.

Analytical Lab.	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	NIVA	
Analysis Code.	312	311	310	312	311	310	312	311	341	341	341	341	341	341	341	341	341	341	341	
Detection Limit.	0.050	0.010	0.005	0.050	0.05	0.05	0.050	1.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Samp/Shell-length	Ca	Ca	Hg	Pb	Zn	CB28	CB52	CB101	CB105	CB118	CB138	CB153	CB156	CB180	CB209	CB	CB	CB	CB	
Repl. Min/Max,Mean	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
no. msum	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	
01/ 1 24:54	35.0	57	1.26	9.80	1.60	3.610	1.000	0.148	14.600	37.80	0.04	0.08	0.37	0.08	0.25	0.71	1.00	0.07	0.12	
s/q(2)   Suspect value(s)																				

## Tab.width cont'd MYTI EDU, SB, J63, 51A Byrkjenes, 1995-1004.

Analytical Lab.	NIVA	NIVA	Zr(*)	NIVA	NIVA	NIVA
Analysis Code.	341	341	1	341	341	341
Detection Limit.	0.05	0.05	1	0.05	0.05	0.05
Samp/Shell-length	HCBA	HCBG	HC	Dn	HCB	QCB
Repl. Min/Max,Mean	ppb	ppb	ppb	ppb	ppb	ppb
no. msum	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt	M.Wt
01/ 1 24:54	35.0	57	6.01	0.09	0.17	0.26



## Tab width cont'd MYTI EDU, SB, J63, 51A Byrkjenes, 1997-0930.

Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	Σ(*)		NIVA		Σ(*)		NIVA	
				Mean	mm	Mean	g	Mean	mm	Mean	g
01/ 1	31:38	34.4	0.77	20	5.06	0.10	0.19	0.29	<0.05	<0.05	<0.05
02/ 1	31:38	34.4	0.82	20	5.07	0.10	0.19	0.29	<0.05	<0.05	<0.05
03/ 1	31:38	34.4	0.76	20	5.64	0.11	0.20	0.31	<0.05	<0.05	<0.05
Mean	34.4	0.76	20.0		5.26	0.10	0.19	0.30	<<0.05	<<0.05	<<0.05
Minimum	34.4	0.76	20		5.06	0.10	0.19	0.29	<0.05	<0.05	<0.05
Maximum	34.4	0.82	20		5.64	0.11	0.20	0.31	<0.05	<0.05	<0.05
St.dev.	0.0	0.03	0.0		0.33	0.01	0.01	0.01	0.00	0.00	0.00
Count	3	3	3		3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, G8: Blue mussel, N: Blåskjell.

Sample area: J63 Sørfjorden, Tissue: Whole SOFT BODY.

Locality : 52A Eitrheimsneset, Latitude: 60°05.80N, Longitude: 06°32.20E.

Catch, date : 1993-0906, Count: 100, Sample type: Bulk.

Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA	
				Mean	mm	Mean	g	Mean	mm	Mean	mm	Mean	g	Mean	mm
01/ 1	20:29	26.0	0.40	50	0.65	11.80	1.10	1.890	1.090	0.048	8.450	28.10	<0.10	<0.10	<0.10
02/ 1	40:49	49.0	1.70	50	2.73	12.90	1.60	1.890	1.090	0.048	8.450	28.10	<0.10	<0.10	<0.10
Mean	37.5	1.05	50.0		1.69	12.35	1.35	1.890	1.090	0.048	8.450	28.10	<<0.10	<<0.10	<<0.10
Minimum	26.0	0.40	50		0.65	11.80	1.10	1.890	1.090	0.048	8.450	28.10	<0.10	<0.10	<0.10
Maximum	49.0	1.70	50		2.73	12.90	1.60	1.890	1.090	0.048	8.450	28.10	<0.10	<0.10	<0.10
St.dev.	16.3	0.92	0.0		1.47	0.78	0.35	1.1	1.1	1.1	1.1	1.1	0.00	0.00	0.00
Count	2	2	2		2	2	2	2	2	2	2	2	2	2	2

s/q(20) | Suspect value(s)

## Tab width cont'd MYTI EDU, SB, J63, 52A Eitrheimsneset, 1993-0906.

Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	Σ(*)		NIVA		Σ(*)		NIVA	
				Mean	mm	Mean	g	Mean	mm	Mean	g
01/ 1	20:29	26.0	0.40	50	0.10	0.20	0.30	<0.10	<0.10	<0.10	<0.10
02/ 1	40:49	49.0	1.70	50	<0.10	0.10	<0.20	<0.10	<0.10	<0.10	<0.10
Mean	37.5	1.05	50.0		<<0.10	0.15	<<0.25	<<0.10	<<0.10	<<0.10	<<0.10
Minimum	26.0	0.40	50		<0.10	0.10	<0.20	<0.10	<0.10	<0.10	<0.10
Maximum	49.0	1.70	50		0.10	0.20	0.30	<0.10	<0.10	<0.10	<0.10
St.dev.	16.3	0.92	0.0		0.00	0.07	0.07	0.00	0.00	0.00	0.00
Count	2	2	2		2	2	2	2	2	2	2



Tab. width cont'd MYTI EDU, SB, J63, 52A Eitrheimsneset, 1995-0916.

Sample no.	Shell-length mm	Weight g	NIVA			Σ(*)			NIVA			NIVA							
			341	341	341	341	341	341	341	341	341	341	341						
01/ 1	20:29	27.2	0.07	0.19	0.26	0.05	0.10	<0.05											
02/ 1	30:39	35.2	0.08	0.20	0.28	0.05	0.09	<0.05											
03/ 1	40:49	44.2	0.09	0.22	0.31	0.05	0.13	<0.05											
Mean	35.5	50.0	0.08	0.20	0.28	0.05	0.11	<<0.05											
Minimum	27.2	50	0.07	0.19	0.26	0.05	0.09	<0.05											
Maximum	44.2	50	0.09	0.22	0.31	0.05	0.13	<0.05											
St.dev.	8.5	0.0	0.01	0.02	0.03	0.00	0.02	0.00											
Count	3	3	3	3	3	3	3	3											

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J63 Sørfjorden, Tissue : Whole SOFT BODY.  
 Locality : 52A Eitrheimsneset, Latitude: 60°05.80N, Longitude: 06°52.20E.  
 Catch, date : 1996-0923, Count: 200, Sample type: Bulked.

Sample no.	Shell-length mm	Weight g	NIVA			Σ(*)			NIVA			NIVA			NIVA			NIVA			NIVA				
			312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310		
01/ 1	21:29	26.0	0.79	19.20	1.78	3.800	1.430	0.031	1.580	35.10	0.08	0.11	0.36	0.13	0.34	0.44	0.50	0.06	0.09	<0.05	1.9	<2.2	1.8	1.25	1.00
02/ 1	30:39	35.0	2.05	19.10	1.82	3.510	1.200	0.034	1.880	32.10	0.08	0.11	0.33	0.13	0.32	0.43	0.50	0.06	0.08	<0.05	1.9	<2.1	1.8	1.34	0.98
03/ 1	40:49	45.0	4.23	17.20	1.76	3.090	1.060	0.041	2.780	36.60	0.08	0.14	0.36	0.14	0.35	0.50	0.61	0.07	0.11	<0.05	2.2	<2.4	2.0	0.75	1.17
Mean	35.3	1.50	2.36	18.50	1.79	3.467	1.230	0.035	2.080	34.60	0.08	0.12	0.35	0.13	0.34	0.46	0.54	0.06	0.09	<<0.05	2.0	<<2.2	1.9	1.11	1.05
Minimum	26.0	0.67	0.79	17.20	1.76	3.090	1.060	0.031	1.580	32.10	0.08	0.11	0.33	0.13	0.32	0.43	0.50	0.06	0.08	<0.05	1.9	<2.1	1.8	0.75	0.98
Maximum	45.0	2.47	4.23	19.20	1.82	3.800	1.430	0.041	2.780	36.60	0.08	0.14	0.36	0.14	0.35	0.50	0.61	0.07	0.11	<0.05	2.2	<2.4	2.0	1.34	1.17
St.dev.	9.5	0.91	1.74	1.13	0.03	0.357	0.187	0.005	0.624	2.29	0.00	0.02	0.02	0.01	0.02	0.04	0.06	0.01	0.02	0.00	0.2	0.2	0.1	0.32	0.10
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab. width cont'd MYTI EDU, SB, J63, 52A Eitrheimsneset, 1996-0923.

Sample no.	Shell-length mm	Weight g	NIVA			Σ(*)			NIVA			NIVA			NIVA			NIVA		
			341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
01/ 1	21:29	26.0	4.08	0.09	0.52	0.61	<0.05	0.08	<0.05											
02/ 1	30:39	35.0	4.13	0.11	0.49	0.60	<0.05	0.09	<0.05											
03/ 1	40:49	45.0	3.88	0.10	0.27	0.37	<0.05	0.08	<0.05											
Mean	35.3	1.50	4.03	0.10	0.43	0.53	<<0.05	0.08	<<0.05											
Minimum	26.0	0.67	3.88	0.09	0.27	0.37	<0.05	0.08	<0.05											
Maximum	45.0	2.47	4.13	0.11	0.52	0.61	<0.05	0.09	<0.05											
St.dev.	9.5	0.91	0.13	0.01	0.14	0.14	0.00	0.01	0.00											
Count	3	3	3	3	3	3	3	3	3											















Species : MYTI EDU Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample area: J63 Sørifjorden, Tissue: Whole SOFT BODY.  
 Locality : 57A Krossanes, Latitude: 60°23.20N, Longitude: 06°41.20E.  
 Catch, date : 1996-0922, Count: 150, Sample type: Bulkcd.

Analytical Lab. Code	Detection Limit	Sample Shell-length -light No of Repl. Min/Max, Mean	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA		
					312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310
01/ 1	24:29	27.0	0.68	50	0.61	17.10	1.42	1.530	0.021	0.690	19.60	0.06	0.16	0.06	0.14	miss	0.28	<0.05	0.05	<0.05	<0.7	<0.8	2.5	2.33	0.85
02/ 1	30:39	35.0	1.69	50	1.36	19.30	1.77	1.580	0.030	1.080	23.00	0.06	0.22	0.08	0.16	50.29	0.35	<0.05	0.05	s<1.2	s<1.3	3.1	2.83	1.10	
03/ 1	40:49	43.0	2.59	50	2.05	19.10	1.65	1.620	0.036	1.590	21.00	<0.05	<0.07	0.08	0.16	60.51	0.36	<0.05	0.06	s<1.2	s<1.3	3.1	2.93	1.18	
Mean		35.0	1.65	50.0	1.34	19.50	1.61	1.577	0.029	1.120	21.20	0.06	0.20	0.07	0.15	50.30	0.33	<0.05	0.05	<0.7	<0.8	2.9	2.70	1.04	
Minimum		27.0	0.68	50	0.61	17.10	1.42	1.530	0.021	0.690	19.60	0.06	0.16	0.06	0.14	50.29	0.28	<0.05	0.05	<0.7	<0.8	2.5	2.33	0.85	
Maximum		43.0	2.59	50	2.05	19.30	1.77	1.620	0.036	1.590	23.00	0.06	0.22	0.08	0.16	50.31	0.36	<0.05	0.06	<0.7	<0.8	3.1	2.93	1.18	
St. dev.		8.0	0.96	0.0	0.72	1.22	0.18	0.045	0.008	0.451	1.71	0.00	0.03	0.01	0.01	0.01	0.04	0.01	0.00	<0.7	<0.8	0.3	0.32	0.17	
Count		3	3	3	3	3	3	3	3	3	3	12	3	3	3	2	3	3	3	11	11	3	3	3	

s/q (10) | Suspect value(s)  
 | ( 3) | Suspect or ambiguous basis-value(s) ignored in statistics.  
 miss( 1) | Missing value.

Tab.width cont'd MYTI EDU, SB, J63, 57A Krossanes, 1996-0922.

Analytical Lab. Code	Detection Limit	Sample Shell-length -light No of Repl. Min/Max, Mean	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA						
					312	311	310	312	311	310	312	311	310	312	311	310	312	311	310				
01/ 1	24:29	27.0	0.68	50	5.67	0.09	0.42	0.51	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
02/ 1	30:39	35.0	1.69	50	6.98	0.11	0.47	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
03/ 1	40:49	43.0	2.59	50	7.16	0.11	0.54	0.65	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mean		35.0	1.65	50.0	6.60	0.10	0.48	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Minimum		27.0	0.68	50	5.67	0.09	0.42	0.51	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Maximum		43.0	2.59	50	7.16	0.11	0.54	0.65	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
St. dev.		8.0	0.96	0.0	0.81	0.01	0.06	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample area: J63 Sørifjorden, Tissue: Whole SOFT BODY.  
 Locality : 57A Krossanes, Latitude: 60°23.20N, Longitude: 06°41.20E.  
 Catch, date : 1997-1001, Count: 200, Sample type: Bulkcd.

Analytical Lab. Code	Detection Limit	Sample Shell-length -light No of Repl. Min/Max, Mean	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA		
					312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310
01/ 1	20:29	25.5	0.58	100	0.42	11.10	0.90	1.420	0.031	1.130	24.80	<0.05	<0.05	0.10	0.06	0.17	0.34	0.05	<0.05	<1.0	<1.1	5.8	8.70	2.20	
02/ 1	30:39	34.5	1.45	50	0.94	11.60	0.64	1.950	0.037	1.590	30.90	<0.05	<0.05	0.10	0.06	0.16	0.32	0.05	<0.05	<1.0	<1.1	5.8	9.40	1.66	
03/ 1	40:48	42.9	3.08	50	1.78	12.20	0.88	1.660	0.039	1.720	25.10	<0.05	<0.05	0.10	0.06	0.14	0.29	0.05	<0.05	<0.9	<1.0	5.5	7.80	1.60	
Mean		34.3	1.70	66.7	1.05	11.63	0.87	1.677	0.036	1.480	26.95	<0.05	<0.05	0.10	0.06	0.16	0.32	0.05	<0.05	<0.9	<1.1	5.7	8.63	1.82	
Minimum		25.5	0.58	50	0.42	11.10	0.84	1.420	0.031	1.130	24.80	<0.05	<0.05	0.10	0.06	0.14	0.29	0.05	<0.05	<0.9	<1.0	5.5	7.80	1.60	
Maximum		42.9	3.08	100	1.78	12.20	0.90	1.950	0.039	1.720	30.90	<0.05	<0.05	0.10	0.07	0.17	0.34	0.05	<0.05	<1.0	<1.1	5.8	9.40	2.20	
St. dev.		8.7	1.27	28.9	0.69	0.55	0.03	0.265	0.004	0.310	3.44	0.00	0.00	0.01	0.02	0.03	0.03	0.00	0.00	0.01	0.01	0.2	0.80	0.33	
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	















Tab.width cont'd MYTI EDU, SB, J62, 65A Vikingneset, 1996-0922.

Analytical Lab. Analysis Code. Detection Limit.	Σ(*)			NIVA			Σ(*)			NIVA			NIVA		
	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341
Samp/Shell-length	-right	No of		DD	Dn	HCHA	HCHG	HC	Dn	HCB	QCB	OCS			
Repl. Min/Max/Mean	mm	mm	g	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
no.	m/m/m	m/m	m	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T
01/1	25:29	27.0	1.27	50	2.67	0.09	0.54	0.63	<0.05	<0.05	<0.05	<0.05			
02/1	30:39	35.0	2.48	50	2.63	0.09	0.47	0.56	<0.05	<0.05	<0.05	<0.05			
03/1	40:49	43.0	3.88	50	51.57	0.06	miss	0.06	<0.05	<0.05	<0.05	<0.05			
Mean		35.0	2.54	50.0	2.65	0.08	0.51	0.42	<<0.05	<<0.05	<<0.05	<<0.05			
Minimum		27.0	1.27	50	2.63	0.06	0.47	0.06	<0.05	<0.05	<0.05	<0.05			
Maximum		43.0	3.88	50	2.67	0.09	0.54	0.63	<0.05	<0.05	<0.05	<0.05			
St.dev.		8.0	1.31	0.0	0.03	0.02	0.05	0.31	0.00	0.00	0.00	0.00			
Count		3	3	3	12	3	2	3	3	3	3	3			

Species : MYTI EDU, Mytilus edulis, G8: Blue mussel, N: Blåskjell.  
 Sample area: J62 Hardangerfjorden, Tissue: Whole SOFT BODY.  
 Locality : 65A Vikingneset, Latitude: 60°14.50N, Longitude: 06°09.60E.  
 Catch, date : 1997-1002, Count: 200, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	Σ(*)			NIVA			Σ(*)			NIVA			Σ(*)			NIVA			Σ(*)			NIVA		
	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
Samp/Shell-length	-right	No of		DD	Dn	HCHA	HCHG	HC	Dn	HCB	QCB	OCS												
Repl. Min/Max/Mean	mm	mm	g	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
no.	m/m/m	m/m	m	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	
01/1	20:29	23.7	0.91	100	0.51	14.50	1.02	0.585	0.810	0.022	0.460	24.60	28.60	0.18	0.17	0.07	0.07	0.17	0.17	0.17	0.18	0.18	0.18	
02/1	30:39	33.1	2.14	50	1.28	14.70	1.04	0.673	0.740	0.020	0.420	27.20	27.20	0.20	0.16	0.07	0.16	0.20	0.16	0.20	0.20	0.20	0.20	
03/1	40:49	43.9	4.11	50	2.73	15.00	1.08	0.642	1.210	0.020	0.450	27.60	27.60	0.15	0.14	0.06	0.14	0.15	0.14	0.15	0.15	0.15	0.15	
Mean		33.6	2.39	66.7	1.51	14.73	1.05	0.633	0.920	0.021	0.443	26.47	26.47	0.18	0.16	0.07	0.16	0.18	0.16	0.18	0.18	0.18	0.18	
Minimum		23.7	0.91	50	0.51	14.50	1.02	0.585	0.740	0.020	0.420	24.60	24.60	0.15	0.14	0.06	0.14	0.15	0.14	0.15	0.15	0.15	0.15	
Maximum		43.9	4.11	100	2.73	15.00	1.08	0.673	1.210	0.022	0.460	27.60	27.60	0.20	0.17	0.07	0.17	0.20	0.17	0.20	0.20	0.20	0.20	
St.dev.		10.1	1.61	28.9	1.13	0.25	0.03	0.046	0.254	0.001	0.021	1.63	1.63	0.03	0.02	0.01	0.02	0.03	0.02	0.03	0.03	0.03	0.03	
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Tab.width cont'd MYTI EDU, SB, J62, 65A Vikingneset, 1997-1002.

Analytical Lab. Analysis Code. Detection Limit.	Σ(*)			NIVA			Σ(*)			NIVA			Σ(*)			NIVA			Σ(*)			NIVA		
	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
Samp/Shell-length	-right	No of		DD	Dn	HCHA	HCHG	HC	Dn	HCB	QCB	OCS												
Repl. Min/Max/Mean	mm	mm	g	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
no.	m/m/m	m/m	m	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	
01/1	20:29	23.7	0.91	100	4.30	0.09	0.16	0.25	0.05	0.11	<0.05	<0.05												
02/1	30:39	33.1	2.14	50	3.04	0.06	0.13	0.19	<0.05	<0.05	<0.05	<0.05												
03/1	40:49	43.9	4.11	50	2.36	0.08	0.15	0.23	0.06	0.05	<0.05	<0.05												
Mean		33.6	2.39	66.7	3.23	0.08	0.15	0.22	<<0.05	<<0.05	<<0.05	<<0.05												
Minimum		23.7	0.91	50	2.36	0.06	0.13	0.19	<0.05	<0.05	<0.05	<0.05												
Maximum		43.9	4.11	100	4.30	0.09	0.16	0.25	0.06	0.11	<0.05	<0.05												
St.dev.		10.1	1.61	28.9	0.98	0.02	0.02	0.03	0.01	0.03	0.00	0.00												
Count		3	3	3	3	3	3	3	3	3	3	3												

















Tab.width cont'd MYTI EDDU, SB, J99, 22A Espevær, west, 1997-1004.

Samp/ Repl. no.	Shell-length mm:mm	-length mm	No of mean shell g	Σ(*)		NIVA		Σ(*)		NIVA		NIVA		NIVA	
				DD	Σn	HCHA	HC	Σn	HC	Σn	HC	QCB	QCB	OCB	OCB
01/ 1	20:29	25.3	0.50	100	<0.37	0.05	0.19	0.24	<0.26	<0.05	0.06	<0.05	<0.05	<0.05	<0.05
02/ 1	30:39	34.5	1.13	50	<0.39	0.21	0.26	0.26	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
03/ 1	40:49	44.0	2.40	50	<0.51	0.05	0.22	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mean	34.6	1.34	66.7		<<0.42	0.05	0.21	0.26	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05	<<0.05
Minimum	25.3	0.50	50		<0.37	0.05	0.19	0.24	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Maximum	44.0	2.40	100		<0.51	0.05	0.22	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
St.dev.	9.4	0.97	28.9		-0.08	0.00	0.02	0.02	-0.00	0.01	0.01	-0.00	-0.00	-0.00	-0.00
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDDU, Mytilus edulis, GB: Blue mussel, M: Blåskjell.  
 Sample.area: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.  
 Locality : 82A Flakk, Latitude: 63°27.10N, Longitude: 10°12.60E.  
 Catch,date : 1993-0901, Count: 100, Sample type: Bulked.

Samp/ Repl. no.	Shell-length mm:mm	-length mm	No of mean shell g	Dry		Fat		NIVA		NIVA		NIVA		NIVA	
				%	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
01/ 1	22:29	26.0	1.50	50	0.78	14.90	.	0.170	1.470	0.012	0.130	17.70	17.70	17.70	17.70
02/ 1	22:29	25.0	1.40	50	0.71	15.60	.	0.180	1.460	0.012	0.150	16.40	16.40	16.40	16.40
Mean	25.5	1.45	50.0		0.75	15.25	.	0.175	1.465	0.012	0.140	17.05	17.05	17.05	17.05
Minimum	25.0	1.40	50		0.71	14.90	.	0.170	1.460	0.012	0.130	16.40	16.40	16.40	16.40
Maximum	26.0	1.50	50		0.78	15.60	.	0.180	1.470	0.012	0.150	17.70	17.70	17.70	17.70
St.dev.	0.7	0.07	0.0		0.05	0.49	.	0.007	0.007	0.000	0.014	0.92	0.92	0.92	0.92
Count	2	2	2		2	2	.	2	2	2	2	2	2	2	2

Species : MYTI EDDU, Mytilus edulis, GB: Blue mussel, M: Blåskjell.  
 Sample.area: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.  
 Locality : 82A Flakk, Latitude: 63°27.10N, Longitude: 10°12.60E.  
 Catch,date : 1995-0911, Count: 150, Sample type: Bulked.

Samp/ Repl. no.	Shell-length mm:mm	-length mm	No of mean shell g	Dry		Fat		NIVA		NIVA		NIVA		NIVA	
				%	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
01/ 1	20:29	26.5	50	20.30	.	0.201	1.510	0.010	0.460	0.120	25.40	25.40	25.40	25.40	
02/ 1	30:39	35.5	50	20.90	.	0.205	1.560	0.011	0.130	0.130	22.80	22.80	22.80	22.80	
03/ 1	40:49	44.4	50	21.90	.	0.183	1.510	0.009	0.120	0.120	20.60	20.60	20.60	20.60	
Mean	35.5	50.0		21.03	.	0.196	1.527	0.010	0.237	0.120	22.93	22.93	22.93	22.93	
Minimum	26.5	50		20.30	.	0.183	1.510	0.009	0.120	0.120	20.60	20.60	20.60	20.60	
Maximum	44.4	50		21.90	.	0.205	1.560	0.011	0.130	0.130	25.40	25.40	25.40	25.40	
St.dev.	9.0	0.0		0.81	.	0.012	0.029	0.001	0.193	0.193	2.40	2.40	2.40	2.40	
Count	3	3		3	.	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.  
 Locality : 82A Flakk, Latitude: 63°27.10N, Longitude: 10°12.60E.  
 Catch, date : 1996-0918, Count: 150, Sample type: Bulked.

Analytical Lab. Code	Detection Limit	Sample Shell-length	Weight	Fat		Cu		Hg		Pb		Zn	
				%	%	ppm	ppm	ppm	ppm	ppm	ppm		
01/1	25:29	27.0	2.24	50	0.81	18.80	0.230	1.490	0.013	0.240	0.130	18.90	
02/1	30:39	35.0	3.50	50	1.56	19.30	0.200	1.540	0.014	0.130	0.130	16.90	
03/1	40:49	43.0	5.99	50	2.62	17.60	0.220	1.290	0.012	0.090	0.090	15.40	
Mean		35.0	3.91	50.0	1.66	18.57	0.217	1.440	0.013	0.153	0.153	17.07	
Minimum		27.0	2.24	50	0.81	17.60	0.200	1.290	0.012	0.090	0.090	15.40	
Maximum		43.0	5.99	50	2.62	19.30	0.230	1.540	0.014	0.240	0.240	18.90	
St.dev.		8.0	1.91	0.0	0.91	0.87	0.015	0.132	0.001	0.078	0.078	1.76	
Count		3	3	3	3	3	3	3	3	3	3	3	

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.  
 Locality : 84A Trossavika, Latitude: 63°20.80N, Longitude: 09°57.80E.  
 Catch, date : 1993-0901, Count: 154, Sample type: Bulked.

Analytical Lab. Code	Detection Limit	Sample Shell-length	Weight	Dry %	Fat %	Cd		Cu		Hg		Pb		Zn	
						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
01/1	20:29	24.0	0.90	50	0.67	20.60	2.20	0.310	2.390	0.011	0.160	22.80	22.80	24.60	21.30
02/1	30:39	35.0	2.80	54	1.65	17.60	1.70	0.380	4.230	0.010	0.260	24.60	24.60	21.30	21.30
03/1	40:52	44.0	5.00	50	2.88	18.80	1.80	0.300	4.510	0.011	0.260	21.30	21.30	21.30	21.30
Mean		34.3	2.90	51.3	1.73	19.00	1.90	0.330	3.710	0.011	0.227	22.90	22.90	21.65	21.65
Minimum		24.0	0.90	50	0.67	17.60	1.70	0.300	2.990	0.010	0.160	21.30	21.30	21.30	21.30
Maximum		44.0	5.00	54	2.88	20.60	2.20	0.380	4.510	0.011	0.260	24.60	24.60	21.30	21.30
St.dev.		10.0	2.05	2.3	1.11	1.51	0.26	0.044	1.152	0.001	0.058	1.65	1.65	1.65	1.65
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q(37) | Suspect value(s)  
 i ( 1 ) | Suspect or ambiguous basis-value(s) ignored in statistics.

Tab, width cont'd MYTI EDU, SB, J65, 84A Trossavika, 1993-0901.

Analytical Lab. Code	Detection Limit	Sample Shell-length	Weight	HCDB	HCNG	HC	Zn	HCB	QCB	OCS	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
											ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
01/1	20:29	24.0	0.90	50	0.10	0.20	0.20	0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
02/1	30:39	35.0	2.80	54	0.10	0.20	0.20	0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
03/1	40:52	44.0	5.00	50	<0.10	0.20	0.20	<0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Mean		34.3	2.90	51.3	<0.10	0.20	0.20	<0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Minimum		24.0	0.90	50	<0.10	0.20	0.20	<0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Maximum		44.0	5.00	54	0.10	0.20	0.20	0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
St.dev.		10.0	2.05	2.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3



Tab.width cont'd MYTI EDU, SB, J65, 84A Trossavika, 1996-0918.

Analytical Lab.		NIVA		Σ(*)		NIVA		NIVA		NIVA	
Analysis Code.		341		1		341		341		341	
Detection Limit.		0.05		0.05		0.05		0.05		0.05	
Samp/Shell-length	-wght No of	HCHA		HCB		HC		Σn		OCB	
Repl. Min:Max,Mean	mean shell	ppb		ppb		ppb		ppb		ppb	
no.	mm:mm	mm	g	mm	g	mm	g	mm	g	mm	g
01/ 1	23:29	26.0	1.36	50	0.07	0.12	0.19	0.05	<0.05	<0.05	<0.05
02/ 1	30:39	35.0	3.28	50	0.06	0.19	0.25	<0.05	0.09	<0.05	<0.05
03/ 1	40:49	44.0	5.94	50	0.06	0.11	0.17	<0.05	<0.05	<0.05	<0.05
Mean		35.0	3.53	50.0	0.06	0.14	0.20	<<.05	<<.06	<<.05	<<.05
Minimum		26.0	1.36	50	0.06	0.11	0.17	<0.05	<0.05	<0.05	<0.05
Maximum		44.0	5.94	50	0.07	0.19	0.25	0.05	0.09	<0.05	<0.05
St.dev.		9.0	2.30	0.0	0.01	0.04	0.04	0.00	0.02	0.00	0.00
Count		3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, M: Blåskjell.  
 Sample.area: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.  
 Locality : 87A Ingdalsbukta, Latitude: 63°27.80N, Longitude: 09°54.80E.  
 Catch,date : 1993-0901, Count: 50, Sample type: Homogenate.

Analytical Lab.		NIVA		NIVA		NIVA		NIVA		NIVA	
Analysis Code.		312		311		310		312		311	
Detection Limit.		0.050		0.010		0.005		0.030		1.00	
Samp/Shell-length	-wght No of	Fat		Cd		Cu		Hg		Pb	
Repl. Min:Max,Mean	mean shell	%		ppm		ppm		ppm		ppm	
no.	mm:mm	mm	g	mm	g	mm	g	mm	g	mm	g
01/ 1	20:29	25.0	1.10	50	0.52	20.50	0.190	1.410	0.010	0.130	18.50

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, M: Blåskjell.  
 Sample.area: J65 Orkdalsfjorden, Tissue : Whole SOFT BODY.  
 Locality : 87A Ingdalsbukta, Latitude: 63°27.80N, Longitude: 09°54.80E.  
 Catch,date : 1995-0911, Count: 150, Sample type: Bulked.

Analytical Lab.		NIVA		NIVA		NIVA		NIVA		NIVA	
Analysis Code.		312		311		310		312		311	
Detection Limit.		0.050		0.010		0.005		0.030		1.00	
Samp/Shell-length	-wght No of	Fat		Cd		Cu		Hg		Pb	
Repl. Min:Max,Mean	mean shell	%		ppm		ppm		ppm		ppm	
no.	mm:mm	mm	g	mm	g	mm	g	mm	g	mm	g
01/ 1	20:29	25.2	100	21.50	0.246	1.630	0.008	0.280	0.320	23.70	22.80
02/ 1	30:39	33.2	50	21.20	0.245	1.630	0.011	0.320	0.320	23.70	22.80
Mean		29.2	75.0	21.35	0.246	1.630	0.010	0.300	0.300	23.25	22.80
Minimum		25.2	50	21.20	0.245	1.630	0.008	0.280	0.280	23.70	22.80
Maximum		33.2	100	21.50	0.246	1.630	0.011	0.320	0.320	23.70	22.80
St.dev.		5.7	35.4	0.21	0.001	0.000	0.002	0.028	0.028	0.64	0.64
Count		2	2	2	2	2	2	2	2	2	2





Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 26A Hammen, Latitude: 61°52.70N, Longitude: 05°13.66E.  
 Catch, date : 1993-0904, Count: 60, Sample type: Bulked.

Analytical Lab.	=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		
	Analysis Code.	Detection Limit.	Shell-length	Weight	Dry %	Fat %	Cd ppm	Cu ppm	Hg ppm	Pb ppm	Zn ppm	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	
01/ 1	40:49	45.0	3.70	20			0.220	1.590	0.012	0.290	26.50	312	311	310	312	311	312	311	310	312	311
02/ 1	40:49	45.0	3.70	20			0.240	1.350	0.008	0.350	25.50	0.050	0.010	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030
03/ 1	40:49	45.0	3.40	20			0.200	1.370	0.010	0.300	25.70										
Mean			3.37	21.90			0.220	1.437	0.010	0.313	25.90										
Minimum			3.34	21.80			0.200	1.350	0.008	0.290	25.50										
Maximum			3.43	22.00			0.240	1.590	0.012	0.350	26.50										
St.dev.			0.05	0.10			0.020	0.133	0.002	0.032	0.53										
Count			3	3			3	3	3	3	3										

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 28A Eiksundet, Latitude: 62°15.00N, Longitude: 05°51.66E.  
 Catch, date : 1993-0903, Count: 60, Sample type: Bulked.

Analytical Lab.	=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		
	Analysis Code.	Detection Limit.	Shell-length	Weight	Dry %	Fat %	Cd ppm	Cu ppm	Hg ppm	Pb ppm	Zn ppm	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA			
01/ 1	40:49	45.0	6.10	20			0.220	1.200	0.017	0.440	22.40	312	311	310	312	311	312	311	310	312	311	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311
02/ 1	40:49	45.0	6.30	20			0.190	1.170	0.014	0.610	23.80	0.050	0.010	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030	0.005	0.030
03/ 1	40:49	45.0	5.80	20			0.160	1.450	0.014	0.420	22.40																														
Mean			4.42	23.13			0.190	1.273	0.015	0.490	22.87																														
Minimum			4.17	22.60			0.160	1.170	0.014	0.420	22.40																														
Maximum			4.61	23.50			0.220	1.450	0.017	0.610	23.80																														
St.dev.			0.23	0.47			0.030	0.154	0.002	0.104	0.81																														
Count			3	3			3	3	3	3	3																														

s/q(36) 1 Suspect value(s)

Tab.width cont'd MYTI EDU, SB, J99, 28A Eiksundet, 1993-0903.

Analytical Lab.	=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>		=>	
	Analysis Code.	Detection Limit.	Shell-length	Weight	Dry %	HCHB	HCHG	HC	DZn	BCB	QCS	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	NiVA	
01/ 1	40:49	45.0	6.10	20							0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
02/ 1	40:49	45.0	6.30	20							0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
03/ 1	40:49	45.0	5.80	20							0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Mean			45.0	6.07	20.0						0.10	0.30	0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
Minimum			45.0	5.80	20						0.10	0.30	0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
Maximum			45.0	6.30	20						0.10	0.30	0.40	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
St.dev.			0.0	0.25	0.0						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Count			3	3	3						3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	









## Tab.width cent'd MYTI EDU, SB, J99, 92A Stokken, 1997-1015.

Sample/ Repl. no.	Shell-length mm	Weight g	No of shell	NIVA			Σ(*)			NIVA			NIVA		
				HCHA	HC	HCB	HC	HC	HCB	OCB	OCB	OCB	OCB	OCB	OCB
01/ 1	40:49	44.7	3.40	20	0.19	0.18	0.37	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
02/ 1	40:49	44.3	3.22	20	0.19	0.19	0.38	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
03/ 1	40:49	44.3	3.09	20	0.17	0.16	0.33	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mean	44.4	3.24	20.0		0.18	0.18	0.36	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Minimum	44.3	3.09	20		0.17	0.16	0.33	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Maximum	44.7	3.40	20		0.19	0.19	0.38	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
St.dev.	0.2	0.16	0.0		0.01	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 93A Setervik, Latitude: 64°23.68N, Longitude: 10°29.00E.  
 Catch,date : 1993-0831, Count: 61, Sample type: Bulked.

Sample/ Repl. no.	Shell-length mm	Weight g	No of shell	NIVA			NIVA			NIVA			NIVA		
				Mean	Dry	Fat	Mean	Dry	Fat	Mean	Dry	Fat	Mean	Dry	Fat
01/ 1	31:39	35.0	3.20	20	2.06	21.70	:	0.140	1.420	0.026	0.370	19.40			
02/ 1	30:39	35.0	2.90	21	1.94	22.10	:	0.120	1.500	0.026	0.350	21.20			
03/ 1	30:39	35.0	3.10	20	1.99	22.90	:	0.150	1.870	0.027	0.370	22.80			
Mean	35.0	3.07	20.3		2.00	22.23	:	0.137	1.597	0.026	0.363	21.13			
Minimum	35.0	2.90	20		1.94	21.70	:	0.120	1.420	0.026	0.350	19.40			
Maximum	35.0	3.20	21		2.06	22.90	:	0.150	1.870	0.027	0.370	22.80			
St.dev.	0.0	0.15	0.6		0.06	0.61	:	0.015	0.240	0.001	0.012	1.70			
Count	3	3	3		3	3		3	3	3	3	3			

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 94A Landfast, Latitude: 65°38.40N, Longitude: 12°00.50E.  
 Catch,date : 1993-0829, Count: 60, Sample type: Bulked.

Sample/ Repl. no.	Shell-length mm	Weight g	No of shell	NIVA			NIVA			NIVA			NIVA		
				Mean	Dry	Fat	Mean	Dry	Fat	Mean	Dry	Fat	Mean	Dry	Fat
01/ 1	40:49	45.0	3.80	20	3.26	20.10	:	0.170	1.350	0.012	0.280	15.40			
02/ 1	40:49	45.0	3.80	20	3.11	20.30	:	0.170	1.470	0.013	0.240	16.50			
03/ 1	40:49	45.0	4.00	20	3.06	20.60	:	0.180	1.500	0.013	0.230	17.00			
Mean	45.0	3.87	20.0		3.14	20.33	:	0.173	1.373	0.013	0.250	16.30			
Minimum	45.0	3.80	20		3.06	20.10	:	0.170	1.500	0.012	0.230	15.40			
Maximum	45.0	4.00	20		3.26	20.60	:	0.180	1.470	0.013	0.280	17.00			
St.dev.	0.0	0.12	0.0		0.10	0.25	:	0.006	0.087	0.001	0.026	0.82			
Count	3	3	3		3	3		3	3	3	3	3			





Species : MYTI EDU, Mytilus edulis, ØB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 97A Klakholmen, Latitude: 67°39.99N, Longitude: 14°44.60E.  
 Catch date : 1993-0825, Count: 60, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA			NIVA			NIVA				
	312	311	310	312	311	310	312	311	310		
Sample Shell-length	-light No of			Fat			Pb				
Repl. Min/Max/Mean	mean shell			%			ppm				
no.	mm			%			M.Mt				
01/ 1	40:49	44.0	4.10	20	2.51	18.70	0.290	1.310	0.015	0.230	17.80
02/ 1	40:49	44.0	3.80	20	2.57	19.10	0.280	1.330	0.012	0.260	17.50
03/ 1	40:48	44.0	4.10	20	2.32	18.50	0.370	1.310	0.013	0.280	15.70
Mean	44.0	4.00	20.0	2.47	18.77	0.313	1.317	0.013	0.250	17.00	
Minimum	44.0	3.80	20	2.32	18.50	0.280	1.310	0.012	0.230	15.70	
Maximum	44.0	4.10	20	2.57	19.10	0.370	1.330	0.015	0.280	17.80	
St.dev.	0.0	0.17	0.0	0.13	0.31	0.049	0.012	0.002	0.006	1.14	
Count	3	3	3	3	3	3	3	3	3	3	

Species : MYTI EDU, Mytilus edulis, ØB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 98A Svolver området, Latitude: 68°09.40N, Longitude: 14°39.30E.  
 Catch date : 1993-0826, Count: 60, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA		
	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310
Sample Shell-length	-light No of			Fat			Hg			Pb			Zn			Cd			Pb		
Repl. Min/Max/Mean	mean shell			%			ppm			ppm			ppm			ppm			ppm		
no.	mm			%			M.Mt			M.Mt			M.Mt			M.Mt			M.Mt		
01/ 1	40:49	45.0	6.10	20	3.14	17.50	1.30	0.200	1.150	0.014	0.350	17.80	18.40	20.50	0.10	0.10	0.10	0.10	0.10	0.10	0.10
02/ 1	40:49	45.0	5.60	20	3.43	17.50	1.30	0.190	1.100	0.015	0.270	18.40	20.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
03/ 1	40:49	45.0	5.50	20	3.19	18.40	0.60	0.200	1.270	0.016	0.340	20.50	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Mean	45.0	5.73	20.0	3.25	17.80	1.07	0.193	1.173	0.015	0.320	18.90	19.90	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Minimum	45.0	5.50	20	3.14	17.50	0.60	0.180	1.100	0.014	0.270	17.80	18.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Maximum	45.0	6.10	20	3.43	18.40	1.30	0.200	1.270	0.016	0.350	20.50	20.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
St.dev.	0.0	0.32	0.0	0.16	0.52	0.40	0.012	0.087	0.001	0.044	1.42	1.42	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

s/q(26) | Suspect value(s)

i (2) | Suspect or ambiguous basis-value(s) ignored in statistics.

Tab width cont'd MYTI EDU, SB, J99, 98A Svolver området, 1993-0826.

Analytical Lab. Analysis Code. Detection Limit.	NIVA			NIVA			NIVA			NIVA			NIVA		
	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
Sample Shell-length	-light No of			HCBA			HCBA			HCBA			HCBA		
Repl. Min/Max/Mean	mean shell			ppm			ppm			ppm			ppm		
no.	mm			M.Mt			M.Mt			M.Mt			M.Mt		
01/ 1	40:49	45.0	6.10	20	<0.10	0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
02/ 1	40:49	45.0	5.60	20	0.10	0.10	0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
03/ 1	40:49	45.0	5.50	20	<0.10	0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Mean	45.0	5.73	20.0	<0.10	0.13	<0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Minimum	45.0	5.50	20	<0.10	0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Maximum	45.0	6.10	20	<0.10	0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
St.dev.	0.0	0.32	0.0	0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Species : MYTI EDU, *Mytilus edulis*, G8: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 98A Svolverv området, Latitude: 68°15.40N, Longitude: 14°40.60E.  
 Catch, date : 1997-1125, Count: 60, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310
Mean	0.050	0.010	0.005	0.040	1.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Shell-length	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Min/Max	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
St. dev.	0.1	0.33	0.0																					
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab-width cont'd MYTI EDU, SB, J99, 98A Svolverv området, 1997-1125.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
Mean	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Shell-length	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Min/Max	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	
St. dev.	0.1	0.33	0.0																						
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Species : MYTI EDU, *Mytilus edulis*, G8: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 98X Skrova, Latitude: 68°10.50N, Longitude: 14°40.15E.  
 Catch, date : 1994-0902, Count: 60, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	
Mean	0.050	0.010	0.005	0.030	1.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Shell-length	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Min/Max	44.2	44.1	44.4	44.1	44.4	44.1	44.4	44.1	44.4	44.1	44.4	44.1	44.4	44.1	44.4	44.1	44.4	44.1	44.4	44.1	44.4	44.1	44.4	44.1	
St. dev.	0.2	0.2	0.2																						
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	



Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 98X Skrova, Latitude: 68°10.50N, Longitude: 14°40.15E.  
 Catch, date : 1995-0908, Count: 60, Sample type: Homogenate.

Analytical Lab. Analysis Code. Detection Limit.	NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU	
	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Weight	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
Repl. Min:Max,Mean	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
no.	40-49	45-0	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	1.26	16.10	63.30	1.53	7.55	0.86	73.26	0.80	1.43	0.1	0.03	0.81	0.04	0.24	0.01	0.45	0.40	0.82	2.01	4.33		

Tab-width cont'd MYTI EDU, SB, J99, 98X Skrova, 1995-0908.

Analytical Lab. Analysis Code. Detection Limit.	NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU	
	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Weight	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
Repl. Min:Max,Mean	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
no.	40-49	45-0	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	0.83	4.77	0.09	0.15	1.04	0.04	0.02	<0.01	0.03	0.36	0.06	<0.01	0.15	0.27	6.59	0.97	<0.26	<0.23				

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 98X Skrova, Latitude: 68°10.50N, Longitude: 14°40.15E.  
 Catch, date : 1996-0911, Count: 120, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU		NILU	
	312	311	310	310	312	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	311	
Mean	0.050	0.010	0.005	0.030	1.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Weight	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	
Repl. Min:Max,Mean	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
no.	40-49	44-0	9-26	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
	4.49	19.20	1.77	0.150	1.590	0.065	0.790	29.30	0.36	0.41	1.34	0.60	1.60	2.18	2.81	0.17	0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	4.27	19.20	1.58	0.150	1.300	0.062	1.020	22.80	0.26	0.31	1.10	0.49	1.31	1.77	2.32	0.13	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	4.41	18.60	1.87	0.140	1.440	0.061	0.690	27.20	0.42	0.48	1.38	0.61	1.64	2.20	2.86	0.18	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3.36	17.60	1.64																					
	4.13	18.65	1.72	0.147	1.443	0.063	0.653	26.43	0.35	0.40	1.27	0.57	1.52	2.05	2.66	0.16	0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3.36	17.60	1.58	0.140	1.300	0.061	0.690	22.80	0.26	0.31	1.10	0.49	1.31	1.77	2.32	0.13	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	4.49	19.20	1.87	0.150	1.590	0.065	1.020	29.30	0.42	0.48	1.38	0.61	1.64	2.20	2.86	0.18	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	0.52	0.75	0.13	0.006	0.145	0.002	0.169	3.32	0.08	0.09	0.15	0.07	0.18	0.24	0.30	0.03	0.07	0.00	0.00	0.00	0.00	0.00	0.00	
Count	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

s/(of 20) | Suspect value(s)





















Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 44A Elenheimsundet, Latitude: 70°30.97N, Longitude: 22°14.80E.  
 Catch, date : 1995-0904, Count: 60, Sample type: Bulked.

Analytical Lab. Analysis Code Detection Limit	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	311	312	
01/ 1 40:49 45.3	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	
02/ 1 40:49 45.2	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	
03/ 1 40:49 45.1	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	0.050	0.010	0.005	0.050	
Mean	1.59	0.492	1.700	0.009	0.410	0.457	0.010	0.457	16.43	0.08	0.08	0.16	<0.05	0.16	<0.05	0.16	<0.05	0.16	<0.05	0.16	<0.05	0.16	<0.05	0.16	<0.05
Minimum	1.57	0.492	1.700	0.009	0.410	0.457	0.009	0.410	15.90	0.07	0.07	0.16	<0.05	0.16	<0.05	0.16	<0.05	0.16	<0.05	0.16	<0.05	0.16	<0.05	0.16	<0.05
Maximum	1.64	0.515	1.750	0.009	0.470	0.490	0.011	0.490	17.30	0.09	0.09	0.17	<0.05	0.17	<0.05	0.17	<0.05	0.17	<0.05	0.17	<0.05	0.17	<0.05	0.17	<0.05
St.dev.	0.25	0.06	0.012	0.095	0.001	0.042	0.000	0.042	0.70	0.01	0.01	0.01	<0.05	0.01	<0.05	0.01	<0.05	0.01	<0.05	0.01	<0.05	0.01	<0.05	0.01	<0.05
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

miss(3) | Missing value.

Tab width cont'd MYTI EDU, SB, J99, 44A Elenheimsundet, 1995-0904.

Analytical Lab. Analysis Code Detection Limit	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	
01/ 1 40:49 45.3	0.08	<0.13	<0.05	<0.05	<0.05	21.0	12.0	6.1	<0.5	<0.5	3.7	1.5	23.8	10.0	3.1	3.5	33.0	16.0	4.8	9.5	miss	2.5	5.1	10.0	miss	2.6	3.5
02/ 1 40:49 45.2	0.10	0.17	<0.05	<0.05	<0.05	21.0	12.0	6.2	<0.5	<0.5	3.5	3.0	23.8	12.0	5.5	4.0	41.0	19.0	5.1	10.0	miss	2.6	5.1	10.0	miss	2.6	3.5
03/ 1 40:49 45.1	0.09	<0.15	<0.05	<0.05	<0.05	16.7	12.7	7.4	<0.5	<0.5	3.8	2.5	26.5	11.3	5.3	3.7	35.3	16.7	4.7	9.6	.	2.5	4.3	9.2	.	2.3	3.0
Mean	0.08	<0.13	<0.05	<0.05	<0.05	22.1	16.7	7.4	<0.5	<0.5	3.8	2.5	26.5	11.3	5.3	3.7	35.3	16.7	4.7	9.6	.	2.5	4.3	9.2	.	2.3	3.0
Minimum	0.08	<0.13	<0.05	<0.05	<0.05	6.4	12.0	6.1	<0.5	<0.5	3.5	1.5	23.8	10.0	3.1	3.5	32.0	15.0	4.3	9.2	.	2.5	4.3	9.2	.	2.3	3.0
Maximum	0.10	0.17	<0.05	<0.05	<0.05	21.0	12.0	7.4	<0.5	<0.5	4.3	3.1	29.8	12.0	7.3	4.0	41.0	19.0	5.1	10.0	.	2.6	5.1	10.0	.	2.6	3.5
St.dev.	0.01	0.02	0.00	0.00	0.00	13.7	4.5	1.2	0.0	0.0	0.4	0.9	3.1	1.2	2.1	0.3	4.9	2.1	0.4	0.4	.	0.2	0.4	.	0.2	0.3	
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	.	3	3	3	.	3	3

Tab width cont'd MYTI EDU, SB, J99, 44A Elenheimsundet, 1995-0904.

Analytical Lab. Analysis Code Detection Limit	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		
	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	
01/ 1 40:49 45.3	0.7	<0.5	<0.5	<0.5	1.1	1.3	1.4	<0.6	<120.0	<12.3	<190.1	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
02/ 1 40:49 45.2	0.7	<0.5	<0.5	<0.5	1.4	1.5	1.6	<64.7	<145.2	<13.4	<209.4	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
03/ 1 40:49 45.1	0.7	<0.5	<0.5	<0.5	1.6	2.0	2.8	<62.9	<129.9	<14.2	<172.3	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Mean	0.7	<0.5	<0.5	<0.5	1.4	1.9	<69.4	<131.7	<13.3	<190.6	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Minimum	0.7	<0.5	<0.5	<0.5	1.1	1.3	1.4	<62.9	<120.0	<12.3	<172.3	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Maximum	0.7	<0.5	<0.5	<0.5	1.6	2.0	2.8	<70.6	<145.2	<14.2	<209.4	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
St.dev.	0.0	0.0	0.0	0.0	0.3	0.4	0.8	<14.6	<12.7	<1.0	<18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3



















Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY  
 Locality : 47A Kifjordeneset, Latitude: 70°52.89N, Longitude: 27°22.17E.  
 Catch,date : 1994-0829, Count: 300, Sample type: Bulked.

Analytical Lab. Analysis Code: Detection Limit: Sample Shell-length Repl. Min/Max, Mean	mm	g	NIVA			NIVA			NIVA			NIVA		
			312	311	310	312	311	310	312	311	310	312	311	310
Mean Weight			0.050	0.010	0.005	0.030	0.005	0.030	0.030	0.005	0.030	0.030	0.005	0.030
Dry %														
Fat %														
01/ 1 20:29	26.4	100	0.789	1.080	0.010	0.200	0.010	0.200	0.200	0.010	0.200	0.200	0.010	0.200
02/ 1 20:29	26.4	100	0.749	0.970	0.011	0.170	0.011	0.170	0.170	0.011	0.170	0.170	0.011	0.170
03/ 1 20:29	26.4	100	0.751	0.940	0.012	0.180	0.012	0.180	0.180	0.012	0.180	0.180	0.012	0.180
Mean	26.4	100.0	0.763	0.997	0.011	0.163	0.011	0.163	0.163	0.011	0.163	0.163	0.011	0.163
Minimum	26.4	100	0.749	0.940	0.010	0.170	0.010	0.170	0.170	0.010	0.170	0.170	0.010	0.170
Maximum	26.4	100	0.789	1.080	0.012	0.200	0.012	0.200	0.200	0.012	0.200	0.200	0.012	0.200
St.dev.	0.0	0.0	0.023	0.074	0.001	0.015	0.001	0.015	0.015	0.001	0.015	0.015	0.001	0.015
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY  
 Locality : 47A Kifjordeneset, Latitude: 70°52.89N, Longitude: 27°22.17E.  
 Catch,date : 1995-0902, Count: 300, Sample type: Bulked.

Analytical Lab. Analysis Code: Detection Limit: Sample Shell-length Repl. Min/Max, Mean	mm	g	NIVA			NIVA			NIVA			NIVA		
			312	311	310	312	311	310	312	311	310	312	311	310
Mean Weight			0.050	0.010	0.005	0.030	0.005	0.030	0.030	0.005	0.030	0.030	0.005	0.030
Dry %														
Fat %														
01/ 1 20:29	22.7	100	0.646	1.180	0.009	0.250	0.009	0.250	0.250	0.009	0.250	0.250	0.009	0.250
02/ 1 20:29	22.7	100	0.644	1.250	0.011	0.280	0.011	0.280	0.280	0.011	0.280	0.280	0.011	0.280
03/ 1 20:29	22.7	100	0.625	1.270	0.009	0.250	0.009	0.250	0.250	0.009	0.250	0.250	0.009	0.250
Mean	22.7	100.0	0.638	1.233	0.010	0.260	0.010	0.260	0.260	0.010	0.260	0.260	0.010	0.260
Minimum	22.7	100	0.625	1.180	0.009	0.250	0.009	0.250	0.250	0.009	0.250	0.250	0.009	0.250
Maximum	22.7	100	0.646	1.270	0.011	0.280	0.011	0.280	0.280	0.011	0.280	0.280	0.011	0.280
St.dev.	0.0	0.0	0.012	0.047	0.001	0.017	0.001	0.017	0.017	0.001	0.017	0.017	0.001	0.017
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY  
 Locality : 48A Trollfjorden i Tanafjord, Latitude: 70°41.61N, Longitude: 28°53.28E.  
 Catch,date : 1994-0828, Count: 150, Sample type: Bulked.

Analytical Lab. Analysis Code: Detection Limit: Sample Shell-length Repl. Min/Max, Mean	mm	g	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			
			312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	312	311	310	
Mean Weight			0.050	0.010	0.005	0.030	0.005	0.030	0.030	0.005	0.030	0.030	0.005	0.030	0.030	0.005	0.030	0.030	0.005	0.030	0.030	0.005	0.030	0.030	0.005	0.030	
Dry %																											
Fat %																											
01/ 1 30:39	33.8	50	1.43	0.237	1.180	0.013	0.090	0.013	0.090	0.013	0.090	0.013	0.090	0.013	0.090	0.013	0.090	0.013	0.090	0.013	0.090	0.013	0.090	0.013	0.090	0.013	0.090
02/ 1 30:39	33.8	50	1.40	0.238	1.150	0.012	0.120	0.012	0.120	0.012	0.120	0.012	0.120	0.012	0.120	0.012	0.120	0.012	0.120	0.012	0.120	0.012	0.120	0.012	0.120	0.012	0.120
03/ 1 30:39	33.9	50	1.41	0.249	1.190	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160
Mean	33.8	50.0	1.41	0.241	1.175	0.014	0.125	0.014	0.125	0.014	0.125	0.014	0.125	0.014	0.125	0.014	0.125	0.014	0.125	0.014	0.125	0.014	0.125	0.014	0.125	0.014	0.125
Minimum	33.8	50	1.40	0.237	1.150	0.012	0.090	0.012	0.090	0.012	0.090	0.012	0.090	0.012	0.090	0.012	0.090	0.012	0.090	0.012	0.090	0.012	0.090	0.012	0.090	0.012	0.090
Maximum	33.9	50	1.43	0.249	1.190	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160	0.016	0.160
St.dev.	0.1	0.0	0.02	0.007	0.021	0.002	0.035	0.002	0.035	0.002	0.035	0.002	0.035	0.002	0.035	0.002	0.035	0.002	0.035	0.002	0.035	0.002	0.035	0.002	0.035	0.002	0.035
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3







Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 49A Nordfjorden, Syltefj., Latitude: 70°53.10N, Longitude: 30°05.17E.  
 Catch.date : 1994-0827, Count: 300, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit. Sample Shell-length Repl. Min/Max, Mean no. mm/mm	no => => =>	NIVA											
		312	311	310	312	311	310	312	311	310	312	311	310
Weight	Dry %	Fat %	Cd ppm	Cu ppm	Hg ppm	Pb ppm	Zn ppm	As ppm	Cr ppm	Co ppm	Fe ppm	Mn ppm	Mo ppm
01/ 1 20:29 25.0	100	0.49	16.80	-	0.252	1.250	0.009	0.400	0.400	16.10			
02/ 1 20:29 25.0	100	0.49	16.30	-	0.260	1.200	0.011	0.400	0.400	15.60			
03/ 1 20:29 25.0	100	0.46	16.90	-	0.265	1.260	0.011	0.400	0.400	16.10			
Mean	100.0	0.48	16.67	-	0.259	1.230	0.010	0.400	0.400	15.93			
Minimum	100	0.46	16.30	-	0.252	1.200	0.009	0.400	0.400	15.60			
Maximum	100	0.49	16.90	-	0.265	1.250	0.011	0.400	0.400	16.10			
St.dev.	0.0	0.02	0.32	-	0.007	0.026	0.001	0.000	0.000	0.29			
Count	3	3	3	-	3	3	3	3	3	3			

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 49A Nordfjorden, Syltefj., Latitude: 70°53.10N, Longitude: 30°05.17E.  
 Catch.date : 1995-0831, Count: 300, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit. Sample Shell-length Repl. Min/Max, Mean no. mm/mm	no => => =>	NIVA											
		312	311	310	312	311	310	312	311	310	312	311	310
Weight	Dry %	Fat %	Cd ppm	Cu ppm	Hg ppm	Pb ppm	Zn ppm	As ppm	Cr ppm	Co ppm	Fe ppm	Mn ppm	Mo ppm
01/ 1 20:29 24.5	100	18.40	-	0.222	1.890	0.010	1.350	18.50					
02/ 1 20:29 24.5	100	18.70	-	0.201	1.810	0.010	2.810	19.20					
03/ 1 20:29 24.5	100	18.30	-	0.212	1.770	0.010	1.400	17.40					
Mean	100.0	18.47	-	0.212	1.823	0.010	1.853	18.37					
Minimum	100	18.30	-	0.201	1.770	0.010	1.350	17.40					
Maximum	100	18.70	-	0.222	1.890	0.010	2.810	19.20					
St.dev.	0.0	0.21	-	0.011	0.061	0.000	0.829	0.91					
Count	3	3	-	3	3	3	3	3					

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 10A Skagodden, Latitude: 70°04.70N, Longitude: 30°09.83E.  
 Catch.date : 1994-0826, Count: 300, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit. Sample Shell-length Repl. Min/Max, Mean no. mm/mm	no => => =>	NIVA											
		312	311	310	312	311	310	312	311	310	312	311	310
Weight	Dry %	Fat %	Cd ppm	Cu ppm	Hg ppm	Pb ppm	Zn ppm	As ppm	Cr ppm	Co ppm	Fe ppm	Mn ppm	Mo ppm
01/ 1 20:29 22.8	100	0.35	16.50	1.29	0.300	1.240	0.009	0.320	21.00	0.08	0.13	0.07	0.05
02/ 1 20:29 22.6	100	0.33	17.10	1.16	0.297	1.240	0.009	0.320	21.60	<0.05	0.12	0.07	<0.05
03/ 1 20:29 22.6	100	0.36	17.20	1.32	0.297	1.200	0.009	0.350	21.50	0.09	0.15	0.10	0.06
Mean	100.0	0.35	16.93	1.26	0.298	1.227	0.009	0.330	21.43	<0.07	0.13	0.08	<0.05
Minimum	100	0.33	16.50	1.16	0.297	1.200	0.009	0.320	21.00	<0.05	0.12	0.07	<0.05
Maximum	100	0.36	17.20	1.32	0.300	1.240	0.009	0.350	21.80	0.09	0.15	0.10	0.06
St.dev.	0.1	0.02	0.38	0.09	0.002	0.023	0.000	0.017	0.40	0.02	0.02	0.02	0.01
Count	3	3	3	3	3	3	3	3	3	3	3	3	3



















Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J26 Oslofjorden, Tissue : Whole SOFT BODY.  
 Locality : I011 Sponvikskansan, Latitude: 59°05.40N, Longitude: 11°12.50E.  
 Catch,date : 1996-1001, Count: 60, Sample type: Bulked.

Analytical Lab.		NIVA		NIVA		NIVA		NIVA			
Analysis Code.	Detection Limit.	312	311	310	312	311	312	311	311		
Samp/Shell-length	Weight	0.050	0.010	0.005	0.030	0.030	0.030	1.00	Zn		
Repl. Min:Max,Mean	mm:mm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
no.	mm:mm	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT		
01/ 1	38:47	42.5	2.99	20	2.32	18.20	0.108	1.360	0.016	0.150	15.80
02/ 1	38:47	43.0	3.16	20	2.33	16.80	0.108	1.050	0.018	0.110	14.90
03/ 1	38:47	43.0	2.97	20	1.99	15.70	0.111	1.190	0.019	0.160	15.70
Mean	42.8	3.04	20.0		2.21	16.90	0.109	1.200	0.018	0.140	15.47
Minimum	42.5	2.97	20		1.99	15.70	0.108	1.050	0.016	0.110	14.90
Maximum	43.0	3.16	20		2.33	18.20	0.111	1.360	0.019	0.160	15.80
St.dev.	0.3	0.10	0.0		0.19	1.25	0.002	0.155	0.002	0.026	0.49
Count	3	3	3		3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J26 Oslofjorden, Tissue : Whole SOFT BODY.  
 Locality : I011 Kråkenebbet, Latitude: 59°06.10N, Longitude: 11°17.30E.  
 Catch,date : 1995-1024, Count: 105, Sample type: Bulked.

Analytical Lab.		NIVA		NIVA		NIVA		NIVA			
Analysis Code.	Detection Limit.	312	311	310	312	311	312	311	311		
Samp/Shell-length	Weight	0.050	0.010	0.005	0.030	0.030	0.030	1.00	Zn		
Repl. Min:Max,Mean	mm:mm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
no.	mm:mm	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT		
01/ 1	37:49	44.4	3.19	35	4.05	18.00	0.102	1.300	0.012	0.110	13.20
02/ 1	37:48	44.1	3.21	35	3.92	18.30	0.103	1.330	0.012	0.120	13.90
03/ 1	33:49	44.1	3.21	35	3.89	18.30	0.103	1.290	0.012	0.120	13.80
Mean	44.2	3.20	35.0		3.95	18.20	0.103	1.307	0.012	0.117	13.63
Minimum	44.1	3.19	35		3.89	18.00	0.102	1.290	0.012	0.110	13.20
Maximum	44.4	3.21	35		4.05	18.30	0.103	1.330	0.012	0.120	13.90
St.dev.	0.2	0.01	0.0		0.09	0.17	0.001	0.021	0.000	0.006	0.38
Count	3	3	3		3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J26 Oslofjorden, Tissue : Whole SOFT BODY.  
 Locality : I011 Kråkenebbet, Latitude: 59°06.10N, Longitude: 11°17.30E.  
 Catch,date : 1996-1001, Count: 60, Sample type: Bulked.

Analytical Lab.		NIVA		NIVA		NIVA		NIVA			
Analysis Code.	Detection Limit.	312	311	310	312	311	312	311	311		
Samp/Shell-length	Weight	0.050	0.010	0.005	0.030	0.030	0.030	1.00	Zn		
Repl. Min:Max,Mean	mm:mm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
no.	mm:mm	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT	W.WT		
01/ 1	36:49	43.6	4.20	20	3.29	20.40	0.062	1.460	0.061	0.150	15.90
02/ 1	36:49	44.5	4.59	20	3.56	20.40	0.067	1.700	0.014	0.150	15.90
03/ 1	36:49	45.0	4.55	20	3.08	19.40	0.066	1.470	0.013	0.150	16.40
Mean	44.4	4.45	20.0		3.31	20.07	0.065	1.543	0.029	0.150	16.07
Minimum	43.6	4.20	20		3.08	19.40	0.062	1.460	0.013	0.150	15.90
Maximum	45.0	4.59	20		3.56	20.40	0.067	1.700	0.061	0.150	16.40
St.dev.	0.7	0.21	0.0		0.24	0.58	0.003	0.136	0.027	0.000	0.29
Count	3	3	3		3	3	3	3	3	3	3













































Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : I711 Steinholmen, Latitude: 59°03.15'N, Longitude: 09°40.70'E.  
 Catch,date : 1995-1101, Count: 76, Sample type: Bulked.

Analytical Lab. Analysis Code, Detection Limit, Shell-length Min/Max, Mean	=> => => =>	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA						
		341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341				
Sample/Shell-length Repl. Min/Max, Mean	no.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm					
Mean Weight	g	2.13	12.70	1.04	0.08	0.40	0.20	0.51	0.82	1.03	0.23	0.25	0.25	0.31	<3.1	<3.9	4.4	4.2	0.4	0.34	0.78	0.06	0.16	0.22	0.49	0.31
Minimum		2.44	13.20	1.09	0.05	0.10	0.48	0.60	0.95	1.16	0.27	0.28	0.31	0.31	3.6	<3.1	4.4	4.2	0.5	0.41	0.93	0.07	0.20	0.27	0.60	0.07
Maximum		2.25	13.70	1.08	0.05	0.44	0.23	0.57	0.90	1.12	0.24	0.25	0.28	0.28	3.4	<3.4	4.2	4.2	0.5	0.39	0.85	0.07	0.20	0.27	0.61	0.40
St.dev.		2.27	13.20	1.07	<0.05	0.08	0.44	0.56	0.89	1.10	0.25	0.26	0.30	0.30	<3.4	<3.9	4.4	4.2	0.5	0.38	0.85	0.07	0.19	0.25	0.57	0.26
Count		2.13	12.70	1.04	0.05	0.40	0.20	0.51	0.82	1.03	0.23	0.25	0.25	0.31	<3.1	<3.9	4.4	4.2	0.4	0.34	0.78	0.06	0.16	0.22	0.49	0.07
		2.44	13.20	1.09	0.05	0.10	0.48	0.60	0.95	1.16	0.27	0.28	0.31	0.31	3.6	<3.1	4.4	4.2	0.5	0.41	0.93	0.07	0.20	0.27	0.61	0.40
		2.25	13.70	1.08	0.05	0.44	0.23	0.57	0.90	1.12	0.24	0.25	0.28	0.28	3.4	<3.4	4.2	4.2	0.5	0.39	0.85	0.07	0.20	0.27	0.61	0.40
		2.27	13.20	1.07	<0.05	0.08	0.44	0.56	0.89	1.10	0.25	0.26	0.30	0.30	<3.4	<3.9	4.4	4.2	0.5	0.38	0.85	0.07	0.19	0.25	0.57	0.26
		2.13	12.70	1.04	0.05	0.40	0.20	0.51	0.82	1.03	0.23	0.25	0.25	0.31	<3.1	<3.9	4.4	4.2	0.4	0.34	0.78	0.06	0.16	0.22	0.49	0.07
		2.44	13.20	1.09	0.05	0.10	0.48	0.60	0.95	1.16	0.27	0.28	0.31	0.31	3.6	<3.1	4.4	4.2	0.5	0.41	0.93	0.07	0.20	0.27	0.61	0.40
		2.25	13.70	1.08	0.05	0.44	0.23	0.57	0.90	1.12	0.24	0.25	0.28	0.28	3.4	<3.4	4.2	4.2	0.5	0.39	0.85	0.07	0.20	0.27	0.61	0.40
		2.27	13.20	1.07	<0.05	0.08	0.44	0.56	0.89	1.10	0.25	0.26	0.30	0.30	<3.4	<3.9	4.4	4.2	0.5	0.38	0.85	0.07	0.19	0.25	0.57	0.26
		2.13	12.70	1.04	0.05	0.40	0.20	0.51	0.82	1.03	0.23	0.25	0.25	0.31	<3.1	<3.9	4.4	4.2	0.4	0.34	0.78	0.06	0.16	0.22	0.49	0.07
		2.44	13.20	1.09	0.05	0.10	0.48	0.60	0.95	1.16	0.27	0.28	0.31	0.31	3.6	<3.1	4.4	4.2	0.5	0.41	0.93	0.07	0.20	0.27	0.61	0.40
		2.25	13.70	1.08	0.05	0.44	0.23	0.57	0.90	1.12	0.24	0.25	0.28	0.28	3.4	<3.4	4.2	4.2	0.5	0.39	0.85	0.07	0.20	0.27	0.61	0.40
		2.27	13.20	1.07	<0.05	0.08	0.44	0.56	0.89	1.10	0.25	0.26	0.30	0.30	<3.4	<3.9	4.4	4.2	0.5	0.38	0.85	0.07	0.19	0.25	0.57	0.26

Tab.width cont'd MYTI EDU, SB, J99, I711 Steinholmen, 1995-1101.

Analytical Lab. Analysis Code, Detection Limit, Shell-length Min/Max, Mean	=> => => =>	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA					
		341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341			
Sample/Shell-length Repl. Min/Max, Mean	no.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				
Mean Weight	g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Minimum		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Maximum		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
St.dev.		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Count		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : I711 Steinholmen, Latitude: 59°03.15'N, Longitude: 09°40.70'E.  
 Catch,date : 1996-1122, Count: 120, Sample type: Bulked.

Analytical Lab. Analysis Code, Detection Limit, Shell-length Min/Max, Mean	=> => => =>	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA				
		341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341				
Sample/Shell-length Repl. Min/Max, Mean	no.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
Mean Weight	g	2.06	13.30	0.33	<0.05	0.09	0.22	0.10	0.27	0.46	0.09	0.07	0.07	0.07	17.00	0.81	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48		
Minimum		1.98	14.60	0.34	0.05	0.11	0.40	0.15	0.50	0.71	0.85	0.15	0.11	0.09	17.00	0.81	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48
Maximum		1.97	13.90	0.38	<0.05	0.09	0.26	0.10	0.32	0.50	0.59	0.11	0.08	0.07	17.00	0.81	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48
St.dev.		2.19	12.60	1.45	0.09	0.10	0.29	0.12	0.36	0.56	0.66	0.12	0.09	0.07	17.00	0.81	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48
Count		2.06	13.30	0.33	<0.05	0.09	0.22	0.10	0.27	0.46	0.09	0.07	0.07	0.07	17.00	0.81	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	

s/q(29) | Suspect value(s) | Suspect or ambiguous basis-value(s) ignored in statistics.



Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)	
				3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1
01/1	34:49	43.5	2.44	20																			
02/1	34:49	44.0	2.25	20																			
03/1	34:49	44.0	2.41	20																			
04/1	30:49	45.0	2.58	60																			
Mean	44.1	2.42	30.0																				
Minimum	43.5	2.25	20																				
Maximum	45.0	2.58	60																				
St.dev.	0.6	0.14	20.0																				
Count	4	4	4																				

Tabwidth cont'd MYTI EDU, SB, J99, I711 Steinholmen, 1996-1122.

Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)	
				3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1
01/1	34:49	43.5	2.44	20																			
02/1	34:49	44.0	2.25	20																			
03/1	34:49	44.0	2.41	20																			
04/1	30:49	45.0	2.58	60																			
Mean	44.1	2.42	30.0																				
Minimum	43.5	2.25	20																				
Maximum	45.0	2.58	60																				
St.dev.	0.6	0.14	20.0																				
Count	4	4	4																				

Species : MYTI EDU, *Mytilus edulis*, CB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : I711 Steinholmen, Latitude: 59°03.15N, Longitude: 09°40.70E.  
 Catch, date : 1997-1010, Count: 60, Sample type: Bulked.

Samp/ Repl. no.	Shell-length mm	Weight g	No of shell	NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)		NIVA		Σ(*)	
				3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1	3A1
01/1	30:39	34.7	1.07	20																			
02/1	31:39	34.8	1.17	20																			
03/1	31:39	34.7	1.04	20																			
Mean	34.7	1.09	20.0																				
Minimum	34.7	1.04	20																				
Maximum	34.8	1.17	20																				
St.dev.	0.1	0.07	20.0																				
Count	3	3	3																				































Tab-width cont'd MYTI EDU, SB, J99, I201 Ekkjegrunn (G1), 1995-1021.

Samp/ Repl. no.	Shell-length mm	Weight g	NIVA		NIVA		NIVA		NIVA		Σ(*)		Σ(*)		
			309	309	309	309	309	309	309	309	309	309	309	309	
01/1	50:66	58.5	6.14	20	5.1	10.0	2.5	13.0	1.3	4.4	4.8	<1.9	<14.5	137.0	<415.9
02/1	46:68	59.7	6.26	20	4.8	7.1	2.0	10.0	1.6	4.1	4.7	<1.8	<30.2	118.5	<431.5
03/1	55:66	61.8	6.76	20	5.5	8.5	2.0	12.0	1.4	3.4	5.3	<2.3	<28.8	123.6	<430.6
Mean	60.0	6.38	20.0		5.1	8.5	2.2	11.7	1.4	4.0	4.9	<2.0	<24.5	126.4	<426.0
Minimum	58.5	6.14	20		4.8	7.1	2.0	10.0	1.3	3.4	4.7	<1.8	<14.5	118.5	<415.9
Maximum	61.8	6.76	20		5.5	10.0	2.5	13.0	1.6	4.4	5.3	<2.3	<30.2	137.0	<431.5
St.dev.	1.7	0.33	0.0		0.6	0.4	1.5	0.3	1.5	0.2	0.5	0.3	0.3	8.7	9.6
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.

Sample areas: J99 Undefined, Tissue: Whole SOFT BODY.

Locality : I201 Ekkjegrunn (G1), Latitude: 59°38.65N, Longitude: 06°21.36E.

Catch, date : 1996-1026, Count: 60, Sample type: Bulked.

Samp/ Repl. no.	Shell-length mm	Weight g	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA				
			312	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309		
01/1	46:69	60.0	8.44	20	6.63	17.40	0.149	0.620	1.3	0.6	2.6	2.8	<0.5	4.3	2.8	6.6	33.0	21.0	17.0	13.0	213.0	115.0	81.0	79.0	99.0	36.0	68.0
02/1	50:68	62.0	10.16	20	7.34	16.90	0.106	0.790	0.8	1.5	2.7	2.6	<0.5	4.2	2.7	6.0	30.0	20.0	15.0	12.0	218.0	118.0	79.0	77.0	104.0	29.0	77.0
03/1	50:68	64.0	9.00	20	7.47	17.10	0.143	0.750	3.5	1.5	3.1	2.7	<0.5	4.0	2.7	7.4	31.0	20.0	16.0	14.0	208.0	101.0	85.0	80.0	113.0	34.0	72.0
Mean	62.0	9.20	20.0		7.15	17.13	0.159	0.720	1.9	1.2	2.8	2.7	<0.5	4.2	2.7	6.7	31.3	20.3	16.0	13.0	213.0	111.3	81.0	78.7	105.3	33.0	72.3
Minimum	60.0	8.44	20		6.63	16.90	0.143	0.620	0.8	0.6	2.6	2.6	<0.5	4.0	2.7	6.0	30.0	20.0	15.0	12.0	208.0	101.0	79.0	77.0	99.0	29.0	68.0
Maximum	64.0	10.16	20		7.47	17.40	0.186	0.790	3.5	1.5	3.1	2.8	<0.5	4.3	2.8	7.4	33.0	21.0	17.0	14.0	218.0	118.0	85.0	80.0	113.0	36.0	77.0
St.dev.	2.0	0.88	0.0		0.45	0.25	0.1023	0.089	1.4	0.5	0.3	0.1	0.0	0.2	0.1	0.7	1.5	0.6	1.0	1.0	5.0	9.1	2.0	1.5	7.1	3.6	4.5
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab-width cont'd MYTI EDU, SB, J99, I201 Ekkjegrunn (G1), 1996-1026.

Samp/ Repl. no.	Shell-length mm	Weight g	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
			309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309
01/1	46:69	60.0	8.44	20	33.0	12.0	16.0	3.8	21.0	2.1	1.1	7.3	<7.8	885.0	279.3	<892.8								
02/1	50:68	62.0	10.16	20	35.0	13.0	18.0	4.0	24.0	1.8	1.8	5.9	<8.1	895.4	278.5	<903.5								
03/1	50:68	64.0	9.00	20	38.0	13.0	18.0	4.2	25.0	1.9	1.8	5.4	<11.3	891.4	299.3	<902.7								
Mean	62.0	9.20	20.0		35.3	12.7	17.3	4.0	22.7	1.9	1.6	6.2	<9.1	890.6	285.7	<899.7								
Minimum	60.0	8.44	20		33.0	12.0	16.0	3.8	21.0	1.8	1.1	5.4	<7.8	885.0	278.5	<892.8								
Maximum	64.0	10.16	20		38.0	13.0	18.0	4.2	24.0	2.1	1.8	7.3	<11.3	895.4	299.3	<903.5								
St.dev.	2.0	0.88	0.0		2.5	0.6	1.2	0.2	1.5	0.2	0.4	1.0	1.9	5.2	11.8	16.0								
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3								





























Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : I912 Honnhammer, Latitude: 62°51.20N, Longitude: 08°09.70E.  
 Catch date : 1996-09-15, Count: 60, Sample type: Bulked.  
 Comment : Sample sequence no 9110 and 9120 have changed place. 19960111/NOG

Analytical Lab. Analysis Code. Detection Limit.	Sample Shell-length Repl. Min/Max/Mean	Weight g	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA		
					NAP	NAP2	NAP3	BLEN	ACNE	FLIE	DA	BCL	EP2	ANT	FLU	PYR	BAA	CHR	BKF	BEP	BAP	PER	ICDP	ICDP	ICDP
01/1 40:55	48.3	4.43	20			<1.0	<1.0	<1.0	<1.0	<1.0	1.1	12.0	11.0	1.7	<1.0	17.0	5.9	2.5	11.0	8.0	3.5	3.9	2.6	<1.0	2.0
02/1 42:55	49.4	4.76	20			<1.0	<1.0	<1.0	<1.0	1.3	12.0	12.0	1.5	1.3	<1.0	19.0	8.9	3.1	12.0	11.0	4.7	5.5	3.7	<1.0	2.5
03/1 42:54	47.1	4.33	20			<1.0	<1.0	<1.0	<1.0	3.8	miss	miss	8.4	3.4	<1.0	16.0	7.1	2.6	12.0	9.5	4.3	4.5	3.0	<1.0	2.2
Mean	48.3	4.51	20.0			<1.0	<1.0	<1.0	<1.0	3.5	2.3	11.7	7.0	2.1	<1.0	17.3	7.3	2.7	11.7	9.5	4.2	4.6	3.1	<1.0	2.2
Minimum	47.1	4.33	20			<1.0	<1.0	<1.0	<1.0	3.3	2.3	11.0	1.5	1.3	<1.0	16.0	5.9	2.5	11.0	8.0	3.5	3.9	2.6	<1.0	2.0
Maximum	49.4	4.76	20			<1.0	<1.0	<1.0	<1.0	3.8	2.3	12.0	11.0	3.4	<1.0	19.0	8.9	3.1	12.0	11.0	4.7	5.5	3.7	<1.0	2.5
St.dev.	1.2	0.23	0.0			0.0	0.0	0.0	0.0	0.3	0.1	0.6	4.9	1.1	0.0	1.5	1.5	0.3	0.6	1.5	0.6	0.8	0.6	0.0	0.3
Count	3	3	3			3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3

miss(4) | Missing value.

Tab width cont'd MYTI EDU, SB, J99, I912 Honnhammer, 1996-0915.

Analytical Lab. Analysis Code. Detection Limit.	Sample Shell-length Repl. Min/Max/Mean	Weight g	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA					
					NAP	NAP2	NAP3	BLEN	ACNE	FLIE	DA	BCL	EP2	ANT	FLU	PYR	BAA	CHR	BKF	BEP	BAP	PER	ICDP	ICDP	
01/1 40:55	48.3	4.43	20			<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
02/1 42:55	49.4	4.76	20			<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
03/1 42:54	47.1	4.33	20			<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Mean	48.3	4.51	20.0			<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Minimum	47.1	4.33	20			<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Maximum	49.4	4.76	20			<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
St.dev.	1.2	0.23	0.0			0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Count	3	3	3			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : I912 Honnhammer, Latitude: 62°51.20N, Longitude: 08°09.70E.  
 Catch date : 1998-01-20, Count: 60, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	Sample Shell-length Repl. Min/Max/Mean	Weight g	Dry %	Fat %	NIVA			NIVA			NIVA			NIVA			NIVA			NIVA			NIVA		
					NAP	NAP2	NAP3	BLEN	ACNE	FLIE	DA	BCL	EP2	ANT	FLU	PYR	BAA	CHR	BKF	BEP	BAP	PER	ICDP	ICDP	ICDP
01/1 30:52	40.8	3.42	20			2.1	1.5	0.7	0.6	0.5	0.7	1.4	2.2	31.0	1.4	2.0	42.0	18.0	17.0	28.0	31.0	7.6	1.4	<0.5	0.9
02/1 30:52	40.8	3.41	20			miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss
03/1 30:52	40.8	3.35	20			miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss	miss
Mean	40.8	3.39	20.0			2.6	1.8	0.9	0.6	0.5	0.7	1.4	2.2	31.0	1.6	1.9	55.0	26.7	18.0	31.7	39.3	10.5	1.5	<0.5	1.7
Minimum	40.8	3.35	20			2.1	1.5	0.7	0.6	0.5	0.7	1.4	2.2	31.0	1.4	1.1	42.0	18.0	13.0	28.0	31.0	7.6	0.9	<0.5	0.9
Maximum	40.8	3.42	20			3.0	2.0	1.1	0.5	0.5	0.7	3.6	2.8	36.0	1.7	2.7	63.0	29.0	26.0	36.0	52.0	11.0	2.2	<0.5	2.6
St.dev.	0.0	0.04	0.0			0.6	0.4	0.3	0.1	0.0	0.1	1.6	0.4	2.9	0.2	0.8	11.4	5.9	5.6	4.0	11.2	2.7	0.7	<0.0	0.9
Count	3	3	3			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

miss(10) | Missing value.



Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample area: J65 Orkdalsfjorden, Tissue: Whole SOFT BODY.  
 Locality : I080 Østmerkes, Latitude: 63°27.50N, Longitude: 10°27.50E.  
 Catch, date : 1996-0917, Count: 60, Sample type: Bulked.

Analytical Lab. Analysis Code, Detection Limit, Sample Shell-length, Repl. Min/Max, Mean	Fat %		Dry %		Moisture %		BAP		BEP		BIPN		BNC2		BNC3		FLE		FLU		ANT		Pyr		BAA		CHR		BBP		BJKP	
	Mean	Weight	Dry	Fat	Moisture	BAP	BEP	BIPN	BNC2	BNC3	FLE	FLU	ANT	Pyr	BAA	CHR	BBP	BJKP														
01/1 32:43 36.0 3.25 20	0.114	0.220	13.20	2.5	6.3	5.4	4.8	<0.5	<0.5	1.9	1.4	4.7	7.7	18.0	<0.5	9.8	5.3	1.1	2.8	1.3	0.5											
02/1 32:43 36.0 3.05 20	0.119	0.250	15.50	4.1	8.5	6.2	4.6	<0.5	<0.5	2.2	1.4	5.3	10.0	21.0	<0.5	11.0	6.2	1.3	3.3	1.6	0.7											
03/1 32:45 36.0 3.12 20	0.117	0.260	14.17	3.0	7.0	5.9	5.2	<0.5	<0.5	2.0	1.4	4.9	9.6	18.7	<0.5	10.1	5.4	1.2	3.0	1.4	0.6											
Mean	0.114	0.240	14.17	3.0	7.0	5.9	5.2	<0.5	<0.5	2.0	1.4	4.9	9.6	18.7	<0.5	10.1	5.4	1.2	3.0	1.4	0.6											
Minimum	0.114	0.220	13.20	2.5	6.3	5.4	4.6	<0.5	<0.5	1.8	1.4	4.6	7.7	17.0	<0.5	9.5	4.7	1.1	2.8	1.3	0.5											
Maximum	0.119	0.250	15.50	4.1	8.5	6.2	6.3	<0.5	<0.5	2.2	1.5	5.3	11.0	21.0	<0.5	11.0	6.2	1.3	3.3	1.6	0.7											
St.dev.	0.0	0.017	1.19	1.0	1.3	0.5	0.9	0.0	0.0	0.2	0.1	0.4	1.7	2.1	0.0	0.8	0.1	0.3	0.2	0.1												
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3											

Tab. width cont'd MYTI EDU, SB, J65, I080 Østmerkes, 1996-0917.

Analytical Lab. Analysis Code, Detection Limit, Sample Shell-length, Repl. Min/Max, Mean	Fat %		Dry %		Moisture %		BAP		BEP		BIPN		BNC2		BNC3		FLE		FLU		ANT		Pyr		BAA		CHR		BBP		BJKP	
	Mean	Weight	Dry	Fat	Moisture	BAP	BEP	BIPN	BNC2	BNC3	FLE	FLU	ANT	Pyr	BAA	CHR	BBP	BJKP														
01/1 32:43 36.0 3.25 20	0.114	0.220	13.20	2.5	6.3	5.6	<19.5	<71.4	<17.3	<90.4																						
02/1 32:43 36.0 3.05 20	0.119	0.250	15.50	4.1	8.5	6.8	<23.9	<84.3	<20.5	<107.7																						
03/1 32:45 36.0 3.12 20	0.117	0.260	14.17	3.0	7.0	6.1	<21.6	<74.2	<18.8	<95.3																						
Mean	0.114	0.240	14.17	3.0	7.0	6.2	<21.7	<76.6	<18.9	<97.8																						
Minimum	0.114	0.220	13.20	2.5	6.3	5.6	<19.5	<71.4	<17.3	<90.4																						
Maximum	0.119	0.250	15.50	4.1	8.5	6.8	<23.9	<84.3	<20.5	<107.7																						
St.dev.	0.0	0.017	1.19	1.0	1.3	0.6	2.2	6.8	1.6	8.9																						
Count	3	3	3	3	3	3	3	3	3	3																						

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : I962 Koksverktomta (B2), Latitude: 66°19.57N, Longitude: 14°08.38E.  
 Catch, date : 1995-1102, Count: 174, Sample type: Bulked.

Analytical Lab. Analysis Code, Detection Limit, Sample Shell-length, Repl. Min/Max, Mean	Fat %		Dry %		Moisture %		BAP		BEP		BIPN		BNC2		BNC3		FLE		FLU		ANT		Pyr		BAA		CHR		BBP		BJKP	
	Mean	Weight	Dry	Fat	Moisture	BAP	BEP	BIPN	BNC2	BNC3	FLE	FLU	ANT	Pyr	BAA	CHR	BBP	BJKP														
01/1 14:53 22.9 0.29 58	0.093	0.550	23.50	11.0	33.0	55.0	44.0	2.7	19.0	9.0	45.0	303.0	107.0	80.0	55.0	296.0	246.0	145.0	154.0	170.0	miss											
02/1 13:30 21.9 0.26 58	0.094	0.560	26.70	7.1	20.0	45.0	52.0	1.3	1.5	2.6	3.8	18.0	48.0	110.0	4.2	59.0	46.0	35.0	48.0	81.0	miss											
03/1 14:28 23.1 0.30 58	0.104	0.660	10.40	10.0	27.0	60.0	55.0	1.5	2.1	3.5	3.3	22.0	50.0	140.0	4.5	63.0	48.0	59.0	81.0	77.0	miss											
Mean	0.093	0.585	19.53	9.4	26.7	53.3	50.3	1.8	7.5	5.0	17.4	114.3	68.3	110.0	21.2	139.3	113.3	79.7	94.3	109.3	miss											
Minimum	0.093	0.550	10.40	7.1	20.0	45.0	44.0	1.3	1.5	2.6	3.3	18.0	48.0	80.0	4.2	59.0	46.0	35.0	48.0	77.0	miss											
Maximum	0.104	0.660	26.70	11.0	33.0	60.0	55.0	2.7	19.0	9.0	45.0	303.0	107.0	140.0	55.0	296.0	246.0	145.0	154.0	170.0	miss											
St.dev.	0.6	0.049	7.93	2.0	6.5	7.6	5.7	0.8	9.9	3.5	23.9	163.4	33.5	30.0	29.2	135.7	114.9	57.8	54.2	52.6	miss											
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	miss											

miss(3) | Missing value.





Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 1962 Koksverktomta (B2), Latitude: 66°19.57N, Longitude: 14°08.38E.  
 Catch.date : 1997-1113, Count: 354, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA	
	312	311	312	311
Mean Weight	0.050	0.040	1.00	1.00
Samp/Shell-length	Fat %	Dry %	Zn ppm	Zn ppm
Repl. Min/Max, Mean	ppm	ppm	ppm	ppm
no. mean mm g	M.M.T	M.M.T	M.M.T	M.M.T
01/ 1 11:29 14.8 0.10 177	0.099	0.540	21.90	21.60
02/ 1 11:29 14.8 0.10 177	0.090	0.500	21.60	21.60
Mean	0.10	0.65	0.095	0.520
Minimum	0.09	0.40	0.090	0.500
Maximum	0.10	0.90	0.099	0.540
St.dev.	0.01	0.49	0.006	0.028
Count	2	2	2	2

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample.area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 1969 Bjørnberviken (B9), Latitude: 66°16.79N, Longitude: 14°02.13E.  
 Catch.date : 1995-1102, Count: 51, Sample type: Bulked.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	312	311	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309
Mean Weight	0.050	0.030	0.030	1.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Samp/Shell-length	Fat %	Dry %	Zn ppm	Zn ppm	NAP ppm	NAP3 ppm	NAP2 ppm	NAP3 ppm	NAP2 ppm	NAP3 ppm	NAP2 ppm	NAP3 ppm	NAP2 ppm	NAP3 ppm	NAP2 ppm	NAP3 ppm	NAP2 ppm	NAP3 ppm	NAP2 ppm	NAP3 ppm	NAP2 ppm	NAP3 ppm
Repl. Min/Max, Mean	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
no. mean mm g	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T
01/ 1 35:64 49.2 9.79 17	0.113	0.560	20.10	2.4	1.6	1.5	1.5	4.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
02/ 1 34:63 50.5 10.61 17	0.106	0.480	18.60	0.5	0.7	1.6	1.6	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
03/ 1 31:63 51.2 10.85 17	0.101	0.570	18.30	0.5	0.7	1.4	1.4	3.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Mean	0.107	0.537	19.00	<1.1	<0.9	1.5	1.5	3.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Minimum	0.101	0.480	18.30	0.5	0.5	1.4	1.4	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Maximum	0.113	0.570	20.10	2.4	1.6	1.6	1.6	4.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
St.dev.	0.047	0.069	0.96	1.1	0.6	0.1	0.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

miss(3) 1 Missing value.

Tab.width cont'd MYTI EDU, SB, J99, 1969 Bjørnberviken (B9), 1995-1102.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309
Mean Weight	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Samp/Shell-length	BAP ppm	PER ppm	ICDP ppm	DR3A ppm	BHIP ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm	DBTC ppm
Repl. Min/Max, Mean	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
no. mean mm g	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T	M.M.T
01/ 1 35:64 49.2 9.79 17	18.0	4.7	2.1	1.7	0.6	3.5	1.0	5.3	13.0	<10.6	<27.8	52.3	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9
02/ 1 34:63 50.5 10.61 17	15.0	3.0	1.6	1.0	0.5	2.5	1.8	6.1	9.5	<3.9	<22.4	46.9	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8
03/ 1 31:63 51.2 10.85 17	15.0	2.8	1.6	1.1	0.5	2.9	1.1	5.0	21.0	<6.4	<22.2	49.7	<228.1	<228.1	<228.1	<228.1	<228.1	<228.1	<228.1	<228.1	<228.1	<228.1
Mean	16.0	3.5	1.8	1.3	<0.5	3.0	1.3	5.5	14.5	<7.0	<24.1	49.6	<230.6	<230.6	<230.6	<230.6	<230.6	<230.6	<230.6	<230.6	<230.6	<230.6
Minimum	15.0	2.8	1.6	1.0	<0.5	2.5	1.0	5.0	9.5	<3.9	<22.2	46.9	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8	<225.8
Maximum	18.0	4.7	2.1	1.7	0.6	3.5	1.8	6.1	21.0	<10.6	<27.8	52.3	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9	<237.9
St.dev.	1.7	1.0	0.3	0.4	0.1	0.5	0.4	0.6	5.9	3.4	3.2	2.7	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 1969 Bjørnberøviken (B9), Latitude: 66°16.7'N, Longitude: 14°02.13'E.  
 Catch, date : 1996-0914, Count: 60, Sample type: Bulkied.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309
Mean	0.050	0.030	1.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Weight	g																							
Dry %																								
Fat %																								
Shell-length	mm																							
Min/Max	mm																							
Mean	43.0	43.0	4.78	20	0.118	0.410	16.30	3.9	10.4	4.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
Minimum	43.0	4.78	20	0.099	0.350	15.40	2.6	7.4	2.8	2.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Maximum	43.0	5.22	20	0.141	0.560	23.30	0.6	0.8	2.2	2.2	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
St.dev.	0.0	0.22	0.0	0.021	0.108	4.32	1.7	4.9	1.0	1.7	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Tab. width cont'd MYTI EDU, SB, J99, 1969 Bjørnberøviken (B9), 1996-0914.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	
Mean	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Weight	g																							
Dry %																								
Fat %																								
Shell-length	mm																							
Min/Max	mm																							
Mean	43.0	4.98	20.0	0.119	0.440	18.33	2.4	6.2	3.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	
Minimum	43.0	4.78	20	0.099	0.350	15.40	0.6	0.8	2.2	2.2	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	
Maximum	43.0	5.22	20	0.141	0.560	23.30	3.9	10.4	4.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	
St.dev.	0.0	0.22	0.0	0.021	0.108	4.32	1.7	4.9	1.0	1.7	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Species : MYTI EDU, *Mytilus edulis*, GB: Blue mussel, N: Blåskjell.  
 Sample area: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : 1969 Bjørnberøviken (B9), Latitude: 66°16.7'N, Longitude: 14°02.13'E.  
 Catch, date : 1997-1113, Count: 60, Sample type: Bulkied.

Analytical Lab. Analysis Code. Detection Limit.	NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA		NIVA	
	312	311	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	309	
Mean	0.050	0.040	1.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Weight	g																							
Dry %																								
Fat %																								
Shell-length	mm																							
Min/Max	mm																							
Mean	38.9	1.03	20.0	0.056	0.410	15.20	1.8	1.9	1.4	1.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
Minimum	38.9	0.98	20	0.056	0.270	15.10	1.3	1.1	0.6	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
Maximum	38.9	1.09	20	0.058	0.410	15.30	1.6	1.5	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
St.dev.	0.0	0.06	0.0	0.001	0.076	0.10	0.3	0.4	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Count	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Tab.width cont'd MYTI EDU, SB, J99, 1969 Bjornbreviken (B9), 1997-1113.

Sample no.	Shell-length mm	Weight g	NIVA			Σ(*)			Σ(*)				
			309	309	309	311	311	311	341	341	341		
01/1	34:48	38.9	0.98	2.0	2.9	1.9	1.5	<0.5	9.5	9.1	<130.0	<27.4	<139.1
02/1	34:48	38.9	1.03	2.0	3.1	2.0	1.6	<0.5	8.0	5.9	<131.8	<45.0	<137.7
03/1	34:48	38.9	1.09	2.0	3.6	1.7	2.0	<0.5	8.8	6.8	<116.1	<41.5	<122.9
Mean	38.9	1.03	20.0		3.2	1.9	1.7	<0.5	8.8	7.3	<126.0	<38.0	<133.2
Minimum	38.9	0.98	20		2.9	1.7	1.5	<0.5	8.0	5.9	<116.1	<27.4	<122.9
Maximum	38.9	1.09	20		3.6	2.0	2.0	<0.5	9.1	9.1	<131.8	<45.0	<139.1
St.dev.	0.0	0.06	0.0		0.4	0.2	0.3	0.0	0.8	1.7	0.6	0.3	0.0
Count	3	3	3		3	3	3	3	3	3	3	3	3

Species : MYTI EDU, Mytilus edulis, GB: Blue mussel, N: Blåskjell.  
 Sample areas: J99 Undefined, Tissue: Whole SOFT BODY.  
 Locality : R096 Breiviken, Tomma, Latitude: 66°17.60N, Longitude: 12°50.50E.  
 Catch, date : 1995-1105, Count: 72, Sample type: Bulked.

Sample no.	Shell-length mm	Weight g	NIVA			Σ(*)			Σ(*)			Σ(*)			Σ(*)												
			312	311	310	312	311	310	341	341	341	341	341	341	341	341	341										
01/1	36:46	39.6	4.16	24	2.9	15.20	1.61	0.152	0.960	0.011	0.170	15.90	<0.05	0.16	0.08	0.05	0.11	0.17	0.23	<0.05	<0.05	<0.05	<0.8	<0.9	0.1	0.08	0.21
02/1	36:48	40.1	4.56	24	2.42	16.50	2.00	0.159	1.190	0.013	0.190	16.20	<0.05	0.15	0.10	0.06	0.13	0.20	0.27	<0.05	<0.05	<0.05	<0.9	<1.0	0.2	<0.05	<0.21
03/1	35:50	41.0	4.84	24	2.96	17.30	1.84	0.150	0.910	0.012	0.180	15.60	<0.05	0.29	0.09	0.05	0.11	0.17	0.23	<0.05	<0.05	<0.05	<0.9	<1.0	0.1	0.08	0.21
Mean	40.2	4.52	24.0		2.96	16.33	1.62	0.154	1.020	0.012	0.170	15.90	<0.05	0.20	0.09	0.05	0.12	0.18	0.24	<0.05	<0.05	<0.05	<0.9	<0.9	0.1	<0.07	<0.21
Minimum	39.6	4.16	24		2.29	15.20	1.61	0.150	0.910	0.011	0.170	15.60	<0.05	0.15	0.08	0.05	0.11	0.17	0.23	<0.05	<0.05	<0.05	<0.8	<0.9	0.1	<0.05	<0.21
Maximum	41.0	4.84	24		4.16	17.30	2.00	0.159	1.190	0.013	0.190	16.20	<0.05	0.29	0.10	0.06	0.13	0.20	0.27	<0.05	<0.05	<0.05	<0.9	<1.0	0.2	0.08	0.21
St.dev.	0.7	0.34	0.0		1.04	1.06	0.20	0.005	0.149	0.001	0.010	0.30	0.00	0.08	0.01	0.01	0.01	0.02	0.02	0.00	0.00	0.00	0.1	0.1	0.0	0.02	0.00
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

miss(3) 1 Missing value.

Tab.width cont'd MYTI EDU, SB, J99, R096 Breiviken, Tomma, 1995-1105.

Sample no.	Shell-length mm	Weight g	NIVA			Σ(*)			Σ(*)			Σ(*)			Σ(*)			Σ(*)									
			341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341	341								
01/1	36:46	39.6	4.16	24	0.08	0.26	<0.05	<0.05	<0.05	1.8	2.0	1.0	<0.5	0.9	<0.5	4.0	4.2	3.3	0.2	6.1	3.3	0.8	3.3	0.8	2.7	1.8	miss
02/1	34:48	40.1	4.56	24	0.12	0.28	<0.05	<0.05	<0.05	1.6	2.2	1.0	<0.5	1.1	<0.5	4.4	4.8	4.9	<0.5	7.8	4.4	0.9	3.0	0.8	2.7	1.8	miss
03/1	35:50	41.0	4.84	24	0.10	0.28	<0.05	<0.05	<0.05	8.9	1.2	1.3	<0.5	0.8	<0.5	4.7	5.3	3.8	<0.5	8.4	5.2	1.8	3.5	1.8	3.0	miss	
Mean	40.2	4.52	24.0		0.10	0.27	<0.05	<0.05	<0.05	4.1	1.8	1.1	<0.5	0.9	<0.5	4.4	4.8	4.0	<0.4	7.4	4.3	1.2	3.1	2.3	miss		
Minimum	39.6	4.16	24		0.08	0.26	<0.05	<0.05	<0.05	1.6	2.2	1.0	<0.5	0.8	<0.5	4.0	4.2	3.3	0.2	6.1	3.3	0.8	2.7	1.8	miss		
Maximum	41.0	4.84	24		0.12	0.28	<0.05	<0.05	<0.05	8.9	1.2	1.3	<0.5	1.1	<0.5	4.7	5.3	3.8	<0.5	8.4	5.2	1.8	3.5	1.8	miss		
St.dev.	0.7	0.34	0.0		0.02	0.01	0.03	0.00	0.00	4.2	0.5	0.2	0.0	0.2	0.0	0.4	0.6	0.8	0.2	1.2	1.0	0.6	0.4	0.6	miss		
Count	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	



