

Radiocaesium in the seas of northern Europe: 1980-84

W. C. Camplin and A. K. Steele



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MINISTRY OF AGRICULTURE, FISHERIES AND FOOD
DIRECTORATE OF FISHERIES RESEARCH

FISHERIES RESEARCH DATA REPORT
NUMBER 25

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W. C. Camplin and A. K. Steele

LOWESTOFT
1991

The authors:

W. C. Camplin, BSc MSc MSRP, is a Grade 7 Officer (Principal Scientific Officer) and K. S. Steele, now deceased, was a Higher Scientific Officer in the Aquatic Environment Protection Division, Section 1, based at the Fisheries Laboratory at Lowestoft.

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CONTENTS

Page

FOREWORD

<i>SUMMARY</i>	7
1. Introduction	7
2. Methods of sampling and preparation	8
3. Measurement of activity and salinity	8
4. Data format and scope	9
<i>Acknowledgements</i>	10
5. References	11

Tables

1. Scope of the data in Annexes 1-3	13
2. ICES areas covered by non-routine offshore sampling	16

Figures

1. Location of shoreline sampling positions from Annex 1	18
2. Location of shoreline sampling positions from Annex 1 - Inset A	19
3. Location of shoreline sampling positions from Annex 1 - Inset B	20
4. Location of offshore sampling positions from Annex 2	21
5. Location of offshore sampling positions from Annex 2 - Inset C	22
6. ICES areas	23

Annex 1 Concentrations of ^{134}Cs and ^{137}Cs in filtered sea water (Bq m^{-3}): shoreline sampling, 1980-84	24
Annex 2 Concentrations of ^{134}Cs and ^{137}Cs in filtered sea water (Bq m^{-3}): routine offshore sampling, 1980-84	54
Annex 3 Concentrations of ^{134}Cs and ^{137}Cs in filtered sea water (Bq m^{-3}): non-routine offshore sampling, 1980-84	84

FOREWORD

It was a shock to us all at the Fisheries Laboratory in Lowestoft when Ken Steele died on 20 August 1990.

He joined MAFF in 1958 and worked on radioactivity in the environment for more than thirty years, firstly at the Hamilton Dock Laboratory in Lowestoft, and more recently at the new extension to the main Fisheries Laboratory. His contribution to the subject is not only represented by the publications and many internal reports which he produced, but by his central role in field work and on cruises, which provided most of the samples of sea water for analysis.

At the time of his death, his knowledge of the behaviour of radiocaesium in shelf-seas of northern Europe was second to none in the Laboratory. Without his help, it would not have been possible to produce this report. It, and subsequent issues in the series, stand as a tribute to his labours.

He will be sadly missed by his fellow scientists, his family and his friends.

A handwritten signature in black ink, appearing to read 'D. J. Garrod', with a stylized flourish at the end.

D. J. Garrod
Director
Ministry of Agriculture,
Fisheries and Food
Directorate of Fisheries Research

SUMMARY

A computer data base of measurements of caesium-134 and caesium-137 in sea water has been compiled. The measurements were carried out by the UK Ministry of Agriculture, Fisheries and Food and include data for the Irish Sea, Bristol Channel, English Channel, North Sea, Scottish waters and other parts of the marine environment of northern Europe. This report covers the sampling period 1980-84 and further information will be published as the data base is expanded. It is hoped that the information will be useful to scientists modelling radionuclide dispersion in the area. In order to assist in the development of new models, diskettes of the data in ASCII files are available, on request, from the first author. The data include the locations of sample collection, collection date, depth, salinity, concentration of activity and counting errors. Plots of the geographical scope of the data are also provided to assist the user.

1. INTRODUCTION

Waste disposal operations of the nuclear industry, which must be authorised under the Radioactive Substances Act (Great Britain—Parliament, 1960), may introduce novel tracers into the sea. These can be used to study sea-water movements and, ultimately, to build or validate hydrographic models. Radiocaesium is particularly useful in this context because it largely remains in solution in sea water. Many other radionuclides can be particle reactive substances and the processes which govern their distribution can be more complex.

The use of radiocaesium in studies on dispersion is not a new procedure. Preston *et al.* (1971) presented results of measurements in sea water in the Irish Sea during the 1960s. They derived contours for the concentrations of caesium-137 in sea water close to the Sellafield site and normalised these to unit discharge rate. The normalised quantity was used to assess the maximum permissible discharge from the site; these limits were compared with those derived using a simple, pre-operational, dispersion model. Agreement was found to be good and it was concluded that detailed studies of dispersion can often be dispensed with in favour of simple models which provide an adequate basis for planning purposes.

Modelling has developed a great deal since that time. A simple model in the 1990s is one such as the box model for the Irish Sea and coastal waters of northern Europe published by Jefferies and Steele (1989). This model began its development as a series of compartments whose exchanges were estimated from flow rates derived using methods which were not connected with radioactivity. It soon developed into a semi-empirical model using caesium-137 as a tracer to tune the predicted concentrations in sea water. In the paper by Jefferies and Steele, the tuning was carried out by adjusting the exchanges by trial and error. A more sophisticated method had been used by Hallstadius *et al.* (1987) on a similar box model. Transfer coefficients were calculated by a computer program to give the best fit, in a least-squares sense, between simulated and actual concentrations in sea water. Similar models have been published by, for example, Clark *et al.* (1980), Camplin *et al.* (1982), McKay and Baxter (1985) and Jones (1990).

More complex hydrodynamic models are also being developed for the coastal seas of northern Europe (Pohlmann *et al.*, 1987). Here too, radiocaesium data have been used to validate model predictions and, in this case, this has been carried out independently of the parameterisation of the processes modelled.

Several laboratories have reported the results of measurements of radiocaesium in sea water. Most, if not all, sea areas in northern Europe have been studied, (MAFF, 1989; CCRX, 1986;

Mitchell *et al.*, 1988; Aarkrog *et al.*, 1988; Bettencourt *et al.*, 1988; Nies, 1990 and Guegueniat *et al.*, 1988). Camplin and Aarkrog (1989), acting as rapporteurs on behalf of Working Group 2 of the Commission of the European Communities' project MARINA, collected together measurements made by several laboratories and produced a synthesis spanning the period 1980-85. The data were sorted into geographical regions on the basis of ICES fishing areas. Whilst this data set has advantages because it brings together measurements from several laboratories, it was not possible to present individual results. Information on variations within an ICES area was therefore lost to the reader and further positional data would be needed for model development and validation.

The purpose of this series of reports is to fully document the results of measurements of radiocaesium in sea water, carried out by the Fisheries Laboratory of the Ministry of Agriculture, Fisheries and Food (MAFF) in the United Kingdom. MAFF has operated an extensive programme of sampling sea water around the British Isles and beyond since the early 1960s. The data have not been published in full before and, because of the large size of the data base, we have decided to divide the information into several time periods. This report is the first of these and includes results for the period 1980-84 inclusive. Further reports will be published in due course.

The data set included in this report is available on request on diskette from the first author.

The report lists a brief description of the sampling methods used (Section 2) and the analytical procedures adopted (Section 3). The scope of the data set is described (Section 4) with the aid of figures showing the sampling locations.

2. METHODS OF SAMPLING AND PREPARATION

Various methods of sampling have been used to collect sea water. Surface samples were collected offshore from ships and at the shore. The offshore samples were obtained either by pumping through hoses or a dedicated shipboard supply, or by submerging water sampling bottles. Shoreline samples were simply collected using a bucket from within a few metres of the water's edge. Sub-surface samples were collected using large volume Niskin bottles which were triggered at the appropriate depth using mechanical or electro-mechanical means.

The sample size for radiocaesium analysis normally varied between 10 and 50 l depending on the anticipated concentration of radiocaesium in the sample. Sub-samples of approximately 250 ml were generally taken for salinity analysis. The radiocaesium samples were filtered through either 0.22 μm filter papers or 2 μm filter cartridges to remove particulates and then acidified to a pH of between 1 and 2 using nitric or hydrochloric acid, depending on the method of ion exchange to be used. Reducing the pH of the sample facilitates the selective absorption of caesium onto the resin during analysis. The samples were stored for periods between a few hours to a year depending on the availability of subsequent processing facilities.

3. MEASUREMENT OF ACTIVITY, AND SALINITY

The measurement of activity in the samples is described by Baker (1975) and Dutton (1970). It involves passing the acidified filtrate through cartridges of either ammonium-duodeca-

molybdophosphate on silica gel (ASG) or potassium cobaltihexacyanoferrate (KCFC). KCFC was chosen when there was the possibility of the presence of significant concentrations of zirconium-95 and niobium-95 in sea water. These radionuclides are absorbed by ASG and their radiations can interfere with those of caesium-134. The cartridges were counted for activity using a gated NaI (Tl) well crystal detector system. Counting times varied between 100 and 400 minutes depending on the predicted level of activity in the sample. The limits of detection varied but were generally in the range of 1-10 Bq m⁻³.

Quality assurance of the detection method included regular recalibration of the detector using standard sources of known strength supplied by Amersham International plc, Amersham, UK, and participation in intercomparison exercises organised by the International Atomic Energy Agency (IAEA, 1988) and others (Steele, 1989).

Salinity measurements were performed using an inductively coupled Autolab Salinometer, Model 601 Mk III. Calibration was carried out using standard sea water supplied by the Institute of Oceanographic Sciences, Wormley, UK. The salinometer had a precision of ± 0.003 , but the greatest source of error was likely to be due to methods of sampling and storage.

4. DATA FORMAT AND SCOPE

The data set is provided at Annexes 1-3 as follows:

shoreline sampling	(Annex 1);
routine offshore sampling	(Annex 2);
and non-routine offshore sampling	(Annex 3).

The data comprise the categories explained below:

Site name	A 'site' is a collection of locations where samples have been obtained. It is often named after a nuclear establishment or a particular vessel used to collect offshore samples. A 'site' does not refer to a unique geographical area.
Site number	Each 'site' is given an identifying number.
Station name	A 'station' is a name given to the position where samples have been taken. Not all positions have names.
Station number	Each 'station' within a 'site' is given a unique number.
Position	The position of each station is recorded as latitude and longitude in integer degrees, minutes and seconds.
Sample depth	The depth at which samples have been taken is given in Annexes 2 and 3 in metres. Surface samples are attributed to a nominal depth of 3 m except where more accurate information is available. All of the samples in Annex 1 were collected at the shoreline.

Station depth	For offshore positions, the depths of the stations are provided in metres. A blank entry indicates that no data are available.
Collection date	This is self explanatory.
Salinity	The salinity is recorded in practical salinity units (psu) (UNESCO, 1981) with 3 digits after the decimal point. Our judgement is that it is generally accurate to two digits after the decimal point. 'NA' means that no data are available.
Concentration of activity	The concentration of activity is given for caesium-134 and caesium-137 in Bq m ⁻³ . 'NA' means that no data are available. 'ND' means that a measurement was made but that no activity was detected in the sample using the method described. If a counting error of more than 60% was obtained, an 'ND' was entered. The errors quoted are counting errors of one standard deviation expressed as a percentage of the concentrations. The concentrations are recorded with two digits after the decimal point though the accuracy of the measurement, as indicated by the counting error, is variable.
Ratio	This refers to the ratio of the concentration of caesium-137 over the concentration of caesium-134 where both radionuclides have been detected.
Sample number	This is a unique laboratory sample number for the year in which the sample was collected.

The scope of the data, which covers the period 1980-84, is described in Table 1. The shoreline positions in Annexes 1 and 2 are sorted in clockwise order around the coast of Britain, beginning at the north-eastern-most tip of the mainland. Data from cruises listed in Annex 3 are firstly grouped by cruise and are secondly sorted chronologically.

The locations of sampling positions in Annexes 1 and 2 are shown in Figures 1-5. There were too many locations from cruises listed in Annex 3 to provide station plots for all of the data in this report. However, Table 2 indicates the general area covered by each cruise in Annex 3 by reference to the ICES fishing regions. The latter are shown in Figure 6. Station plots for data in Annex 3 are available at no charge on written request to the first author. The three annexes are available on diskette, each as a separate ASCII file with the same format as that shown in this report.

Acknowledgements

The initiative for much of this programme originated with Doug Jefferies (now retired), who worked for MAFF in Lowestoft for many years. Doug's infectious spirit and understanding of radioactivity in the aquatic environment were greatly admired by us all. Our debt to his efforts is great.

We would also like to thank the many sampling, analytical and computing staff who took a part in producing these data over the years.

5. REFERENCES

- AARKROG, A., BUCH, E., CHAN, Q. J., CHRISTENSEN, G. C., DAHLGAARD, H., HANSEN, E., HOLM, E. and NIELSEN, S. P., 1988. Environmental radioactivity in the North Atlantic region including the Faroe Islands and Greenland, 1986. RISO National Laboratory, Roskilde, Report RISO-R-550, 68 pp.
- BAKER, C. W., 1975. The determination of radiocaesium in sea and fresh waters. Fish. Res. Tech. Rep., MAFF Direct. Fish. Res. Lowestoft, (16): 7 pp.
- BETTENCOURT, A. O., ELIAS, M. D. T. and FERRADOR, G. C., 1988. Vigilancia radiologica no meio marinho relacionada com a imersao de residuos radioactivos no Oceano Atlantico Nordeste. 2º Congresso Geral de Energia Nuclear do Rio de Janeiro, 24-29 April 1988. Proc. Laboratorio Nacional de Engenharia e Tecnologia Industrial, Departamento de Protecção e Segurança Radiologica, Sacavém, Portugal, 3: 425-436.
- CAMPLIN, W. C. and AARKROG, A., 1989. Radioactivity in north European waters: Report of Working Group II of CEC Project MARINA. Fish. Res. Data Rep. MAFF Direct. Fish. Res., Lowestoft, (20): 120 pp.
- CAMPLIN, W. C., DURANCE, J. A. and JEFFERIES, D. F., 1982. A marine compartment model for collective dose assessment of liquid radioactive effluents. Sizewell Inquiry Series MAFF Direct. Fish. Res., Lowestoft, (4): 7 pp.
- CCRX, 1986. Results of measurements of the radioactive contamination of the biosphere in the Netherlands, 1985. Coordinating Committee on the Measurement of Radioactivity and Xenobiotic Substances, Leidschendam, Report MR 86-01, 10 pp., tables.
- CLARK, M. J., GRIMWOOD, P. D. and CAMPLIN, W. C., 1980. A model to calculate exposure from radioactive discharges into coastal waters of northern Europe. National Radiological Protection Board, Chilton, Report NRPB-R109, 52 pp.
- DUTTON, J. W. R., 1970. Determination of radiocaesium in sea and fresh waters. Tech. Rep. Radiobiol. Lab., MAFF Direct. Fish. Res., Lowestoft, (FRL 6): 9 pp.
- GREAT BRITAIN - PARLIAMENT, 1960. Radioactive Substances Act, 1960. HMSO, London, 28 pp.
- GUEGUENIAT, P., GANDON, R., BARON, Y., SALOMON, J. C., PENTREATH, R. J., BRYLINSKI, J. M. and CABIOCH, L., 1988. Utilisation de radionucléides artificiels (^{125}Sb - ^{137}Cs - ^{134}Cs) pour l'observation (1983-1986) des déplacements de masses d'eau en Manche. pp. 260-270. In: J. C. Guary, P. Guegueniat and R. J. Pentreath (Eds.), 'Radionuclides: a Tool for Oceanography', Elsevier Applied Science, London and New York, 461 pp.
- HALLSTADIUS, L., GARCIA-MONTANO, E. and NILSSON, U., 1987. An improved and validated dispersion model for the North Sea and adjacent waters. J. Environ. Radioact., 5: 261-274.

IAEA, 1988. Report on the intercomparison run SD-A-1. Radionuclides in marine sediment. International Atomic Energy Agency, Monaco, 28 pp.

JEFFERIES, D. F. and STEELE, A. K., 1989. Observed and predicted concentrations of caesium-137 in sea water of the Irish Sea 1970-1985. *J. Environ. Radioact.*, **10**: 173-189.

JONES, M. E., 1990. MARIN 1 - Comparison of predicted concentrations with environmental measurements. A validation exercise. pp. 329-342. *In*: 'Proceedings of the Seminar on the Radiological Exposure of the Population of the European Community from Radioactivity in North European Marine Waters, Project 'Marina''. Commission of the European Communities, Luxembourg, Report XI/4669/89-EN, 369 pp.

MAFF, 1989. Radioactivity in surface and coastal waters of the British Isles, 1988. *Aquat. Environ. Monit. Rep.*, MAFF Direct. Fish. Res., Lowestoft, (**21**): 69 pp.

MCKAY, W. A. AND BAXTER, M. S., 1985. Water transport from the north-east Irish Sea to western Scottish coastal waters: further observations from time trend matching of Sellafield radiocaesium. *Estuar. Cstl. Shelf Sci.*, **21**: 471-480.

MITCHELL, P. I., VIDAL-QUADRAS, A., FONT, J. L. and OLIVA, M., 1988. Gamma radioactivity in the Iberian environment closest to the NEA dumping site. *J. Environ. Radioact.*, **6**: 77-89.

NIES, H., 1990. Temporal development of the radioactive contamination of the North Sea and Baltic Sea. pp. 155-170. *In*: 'Proceedings of the Seminar on the Radiological Exposure of the Population of the European Community from Radioactivity in North European Marine Waters, Project "MARINA"'. Commission of the European Communities, Luxembourg, Report XI/4669/89-EN, 369 pp.

POHLMANN, T., BACKHAUS, J. O. and HAINBUCHER, D., 1987. Validation of a three dimensional dispersion model for Cs-137 in the north European shelf sea. International Council for the Exploration of the Sea, Copenhagen, CM 1987/C:34, 12 pp. (mimeo).

PRESTON, A., JEFFERIES, D. F. and MITCHELL, N. T., 1971. Experience gained from the controlled introduction of liquid radioactive waste to coastal waters. pp. 629-644. *In*: 'Nuclear Techniques in Environmental Pollution'. International Atomic Energy Agency, Vienna, Report IAEA-SM-142A/40, 810 pp.

STEELE, A. K., 1989. Laboratory intercomparison of ¹³⁷Cs in sea water. *Fish. Tech. Note*, Radiobiol. Lab., MAFF Direct. Fish. Res., Lowestoft, (**RL 1/89**): 25 pp.

UNESCO, 1981. The Practical Salinity Scale 1978 and the International Equation of State of Seawater 1980. Tenth Report of the Joint Panel on Oceanographic Tables and Standards. UNESCO, Paris, Tech. Pap. Mar. Sci., (**36 Annex 1**): 13-21.

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Table 1. Scope of the data in Annexes 1-3

Annex	Page	Site no.	Site name	Station no.	Station name or cruise	Position		National Grid Reference		
						Latitude	Longitude	Sheet	Easting	Northing
1	25	30	Hartlepool	1	Little Scar	54°39'57"N	1°11'4"W	93	526	304
1	25			4	PLZ	54°39'5"N	1°9'58"W	93	538	288
1	25	12	Sizewell	25	Lowestoft M/L Header Tank	52°27'30"N	1°44'32"E	134	542	911
1	25			18	Lowestoft Beach (SE)	52°27'10"N	1°44'20"E	134	540	905
1	26			15	Sizewell Inlet	52°12'32"N	1°37'39"E	156	478	630
1	28			11	Aldeburgh	52°9'17"N	1°36'25"E	156	467	569
1	28			20	Felixstowe	51°58'24"N	1°22'52"E	169	322	360
1	28			21	Clacton	51°47'29"N	1°10'2"E	169	184	151
1	29	7	Bradwell	7	Waterside	51°43'52"N	0°53'1"E	168	991	76
1	30			118	Bradwell Inlet	51°44'40"N	0°53'35"E	168	997	91
1	30	8	Dungeness	10	Dungeness Inlet	50°54'32"N	0°57'58"E	189	85	164
1	31	18	Winfrith	6	Poole	50°41'20"N	1°59'50"W	195	6	875
1	31			2	Kimmeridge	50°36'39"N	2°7'53"W	195	907	791
1	32	22	Channel Islands	219	Alderney, East	49°44'18"N	2°11'30"W			
1	32			224	Jersey, St Catherines Bay	49°13'8"N	2°1'29"W			
1	33			216	Guernsey	49°27'24"N	2°31'30"W			
1	33	9	Hinkley	10	Inlet	51°13'2"N	3°7'47"W	182	212	471
1	34	11	Oldbury	116	Oldbury	51°38'54"N	2°35'2"W	162	596	946
1	35	6	Berkeley	115	Berkeley Inlet	51°41'37"N	2°29'52"W	162	656	996
1	36	34	Cardiff	4	Orchard Ledges East	51°27'55"N	3°7'59"W	171	213	747
1	36	14	Wylfa	6	Holyhead	53°18'59"N	4°37'44"W	114	249	832
1	37			1	Cemlyn Bay Shore	53°24'48"N	4°30'41"W	114	331	937
1	37			2	Cemaes Bay	53°24'53"N	4°27'5"W	114	371	937
1	37			3	Llandudno	53°19'29"N	3°47'24"W	116	808	824
1	38			4	Prestatyn	53°20'33"N	3°24'54"W	116	58	838
1	39	33		Capenhurst	1	PLZ (Hoylake)	53°24'39"N	3°9'20"W	108	232
1	39	1	Sellafield	134	New Brighton	53°26'33"N	3°3'9"W	108	301	945
1	39			51	Ainsdale	53°36'31"N	3°3'56"W	108	295	130
1	40			33	Rossal (Fleetwood)	53°54'0"N	3°2'55"W	102	311	454
1	40	29	Heysham	2	Half Moon Bay	54°2'19"N	2°54'37"W	96	404	607
1	41	1	Sellafield	74	Walney West Shore	54°7'5"N	3°16'17"W	96	169	699
1	41			52	Silecroft	54°13'1"N	3°20'53"W	96	121	810
1	42			23	Seascale	54°23'36"N	3°29'6"W	89	36	8
1	45			100	St Bees-W	54°29'20"N	3°36'26"W	89	959	116
1	47			39	W/A Shore	54°33'1"N	3°35'56"W	89	966	184
1	48			15	Maryport Shore	54°44'30"N	3°27'26"W	89	62	395
1	49			53	Silloth	54°53'1"N	3°22'41"W	85	116	553
1	49			54	Southerness	54°52'22"N	3°35'40"W	84	977	543
1	50			57	Ross Bay	54°46'35"N	4°5'46"W	83	652	444
1	50			4	Isle of Whithorn	54°41'59"N	4°21'32"W	83	480	362
1	51			2	Drummore	54°41'30"N	4°53'16"W	82	139	368
1	51			56	Portpatrick	54°50'23"N	5°7'5"W	82	998	539

Table 1. Continued

An- nex	Page	Site no.	Site name	Station no.	Station name or cruise	Position		National Grid Reference		
						Latitude	Longitude	Sheet	Easting	Northing
1	52	10	Hunterston	6	Fish Farm 1	55°43'25"N	4°53'42"W	63	182	516
1	52	17		Fish Farm 2	55°43'22"N	4°53'59"W	63	179	515	
1	52	18		Rearing Tank Inlet (Beach)	55°42'59"N	4°54'9"W	63	177	508	
1	53	15	Dounreay	110	Sandside Bay	58°34'12"N	3°47'30"W	11	958	660
2	55	48	DAFS* Water Samples	3	Fair Isle					
2	55			4	Buckie					
2	56			5	Aberdeen					
2	57			6	Arbroath					
2	57	37	File C	11	JONSIS 1					
2	58			12	JONSIS 2					
2	58	16	U.K. Survey	67	Lowestoft (Boat)					
2	58	22	Channel Islands	218	Jersey, Ecrehos					
2	58	37	File C	7	Swansea-Cork St B					
2	59			8	Swansea-Cork St C					
2	59			9	Swansea-Cork St D					
2	59			10	Swansea-Cork St E					
2	60	50	St Georges Channel	1	Fishguard-Rosslare 1					
2	61			2	Fishguard-Rosslare 2					
2	62			3	Fishguard-Rosslare 3					
2	64	1	Sellafield	82	Dahn Buoy					
2	65			83	Midpoint Net Position					
2	65			116	PLZ Current Meter					
2	66	49	North Channel	1	Corsewall					
2	67			2	Mid Channel					
2	69			3	Hunter					
2	70	46	NEA Weather Ships	1	Station A					
2	71			2	Station B					
2	72			3	Station C					
2	74			4	Station D					
2	75			5	Station E					
2	76	47	NEA Challenger Line	11	Challenger Mooring Y					
2	76			14	Tiree Passage East					
2	76			13	Tiree Passage Centre					
2	76			12	Tiree Passage West					
2	76			1	Challenger St 1					
2	77			2	Challenger St 2					
2	77			3	Challenger St 3					
2	78			4	Challenger St 4					
2	79			5	Challenger St 5					
2	79			6	Challenger St 6					
2	80	7	Challenger St 7							
2	81	8	Challenger St 8							
2	81	9	Challenger St 9							
2	82	10	Challenger St 10							
2	82	48	DAFS* Water Samples	1	Cape Wrath					
2	83			2	Pentland Firth					

* Now SOAFD (Scottish Office Agriculture and Fisheries Department)

Table 1. Continued

An- nex	Page	Site no.	Site name	Station no.	Station name or cruise	Position		National Grid Reference		
						Latitude	Longitude	Sheet	Easting	Northing
3	85	38	Cirolana		4/80					
3	86				6/80					
3	86				8/80					
3	88				9/80					
3	89				10/80					
3	95	40	Corella/		4/80					
3	98		Dawn Sky		5/80					
3	104	38	Cirolana		6/81					
3	104				7/81					
3	120				8/81					
3	122	40	Corella/		4/81					
3	126		Dawn Sky		5/81					
3	126	38	Cirolana		3/82					
3	136				5/82					
3	139				7/82					
3	141				9/82					
3	141	39	Clione		7/82					
3	143	40	Corella/		7/82					
3	143		Dawn Sky		15/82					
3	148	38	Cirolana		5/83					
3	150				7/83					
3	150				8/83					
3	152				9/83					
3	162	39	Clione		6/83					
3	162				9/83					
3	164				11/83					
3	165	38	Cirolana		6/84					
3	165				7/84					
3	167				10/84					
3	168	39	Clione		11/84					
3	168				13/84					
3	174	51	Challenger		2/84					
3	174				10/84					

Notes:

The 'site' numbers and names are used at DFR as a convenient tool to group samples together. They do not refer to a unique geographical area. Station names are prescribed when convenient. A station is given a unique number within a 'site' group. The station numbers are not shown for cruises in this table.

Table 2. ICES areas covered by non-routine offshore sampling

Vessel	Cruise no.	Page no.	Barents Sea	Norwegian Sea	Spitzbergen Bear Island	Kattegat and Skagerrak	The Sound and Belt Sea	Baltic	North	North Sea	
			I	IIa	IIb	IIIa	IIIb,c	III d	IVa	IVb	IVc
Cirolana	4/80	85									X
Cirolana	6/80	86									
Cirolana	8/80	86							X	X	X
Cirolana	9/80	88									X
Cirolana	10/80	89		X					X	X	
Corella/ Dawn Sky	4/80	95							X	X	X
Corella/ Dawn Sky	5/80	98							X	X	X
Cirolana	6/81	104									
Cirolana	7/81	104	X	X	X				X	X	
Cirolana	8/81	120							X	X	X
Corella/ Dawn Sky	4/81	122							X	X	X
Corella/ Dawn Sky	5/81	126									
Cirolana	3/82	126				X	X	X	X	X	X
Cirolana	5/82	136							X	X	X
Cirolana	7/82	139							X	X	X
Cirolana	9/82	141									
Clione	7/82	141									
Corella/ Dawn Sky	7/82	143									
Corella/ Dawn Sky	15/82	143									X
Cirolana	5/83	148							X	X	X
Cirolana	7/83	150									
Cirolana	8/83	150							X	X	X
Cirolana	9/83	152				X			X	X	X
Clione	6/83	162								X	
Clione	9/83	162									
Clione	11/83	164									
Cirolana	6/84	165									
Cirolana	7/84	165									
Cirolana	10/84	167							X	X	X
Clione	11/84	168									
Clione	13/84	168							X	X	X
Challenger	2/84	174									
Challenger	10/84	174									

Table 2. Continued

Vessel	Cruise no.	Page no.	Faroe Plateau	Faroe Bank	NW Coast Scotland N Ireland	Irish Sea	W Coast Ireland Porcupine Bank	English Channel		Bristol Channel	S Coast Ireland	Bay of Biscay
			Vb1	Vb2	VIa	VIIa	VIIb,c	VIIId	VIIe	VIIIf	VIIg-k	VIII
Cirolana	4/80	85			X		X	X			X	
Cirolana	6/80	86							X		X	X
Cirolana	8/80	86										
Cirolana	9/80	88						X	X		X	X
Cirolana	10/80	89			X	X						
Corella/ Dawn Sky	4/80	95			X	X		X	X	X	X	
Corella/ Dawn Sky	5/80	98			X	X		X	X	X	X	
Cirolana	6/81	104					X	X	X		X	
Cirolana	7/81	104										
Cirolana	8/81	120										
Corella/ Dawn Sky	4/81	122			X	X		X	X	X	X	
Corella/ Dawn Sky	5/81	126						X	X			
Cirolana	3/82	126										
Cirolana	5/82	136			X	X		X	X		X	
Cirolana	7/82	139										
Cirolana	9/82	141				X						
Clione	7/82	141				X						
Corella/ Dawn Sky	7/82	143						X	X			
Corella/ Dawn Sky	15/82	143				X		X	X	X	X	
Cirolana	5/83	148			X	X		X	X			X
Cirolana	7/83	150							X		X	
Cirolana	8/83	150										
Cirolana	9/83	152	X	X	X	X		X	X	X	X	
Clione	6/83	162										
Clione	9/83	162						X	X	X	X	
Clione	11/83	164				X						
Cirolana	6/84	165					X	X	X		X	
Cirolana	7/84	165										
Cirolana	10/84	167							X		X	X
Clione	11/84	168				X						
Clione	13/84	168			X	X		X	X	X	X	
Challenger	2/84	174				X						
Challenger	10/84	174			X							

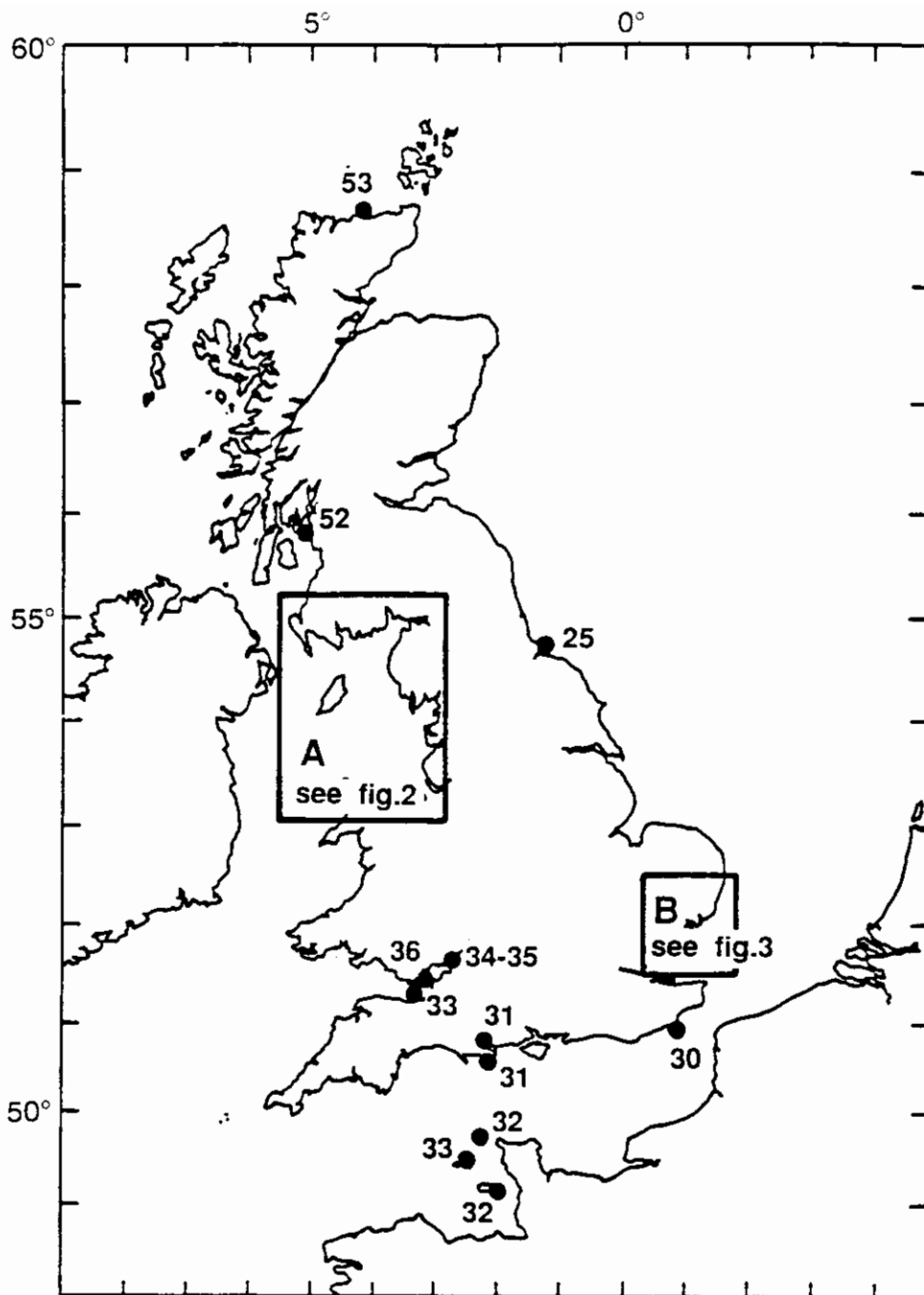


Figure 1. Location of shoreline sampling positions from Annex 1. The numbers shown on this figure refer to page numbers in the report.

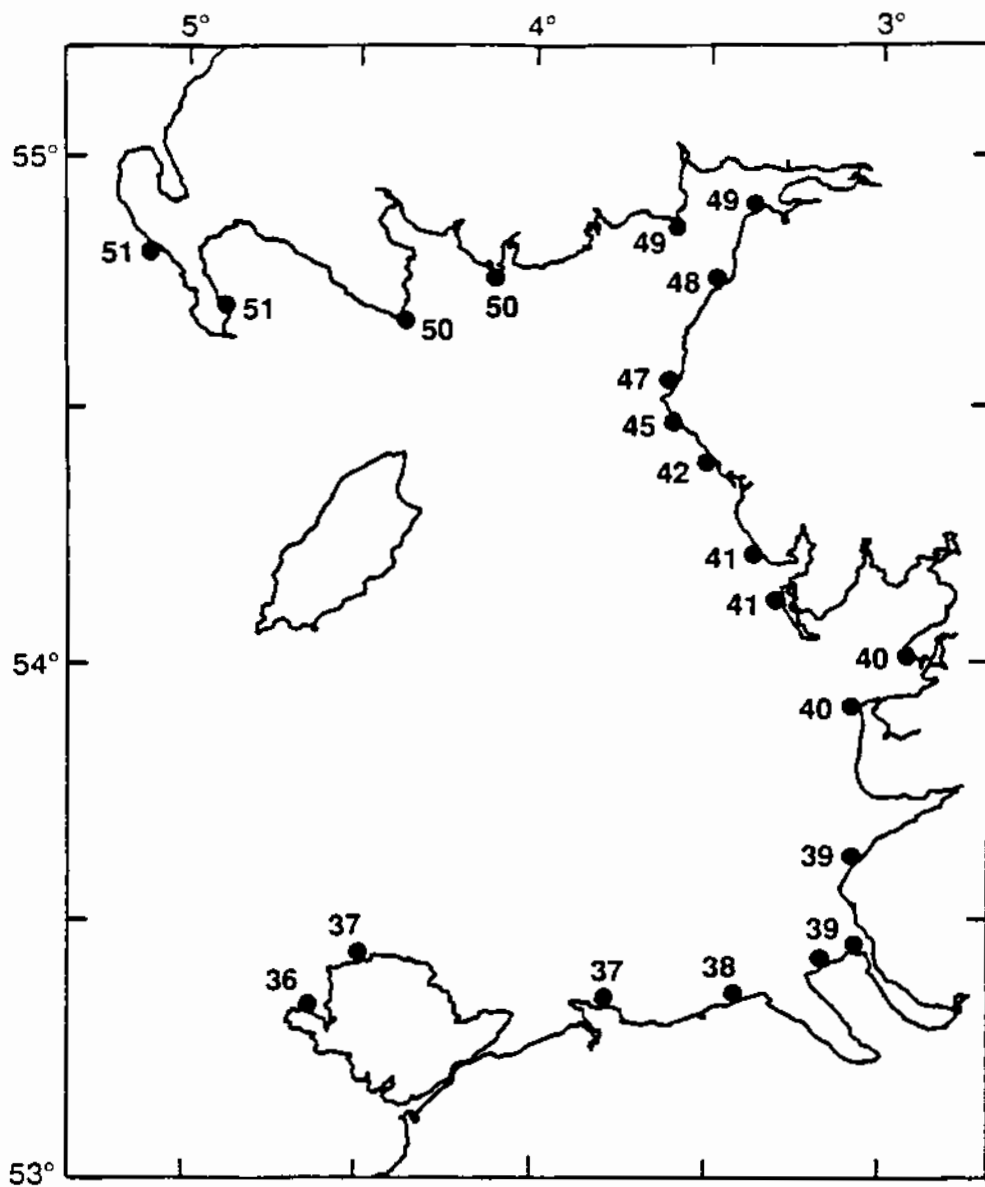


Figure 2. Location of shoreline sampling positions from Annex 1 - Inset A (see Figure 1). The numbers shown on this figure refer to page numbers in the report.

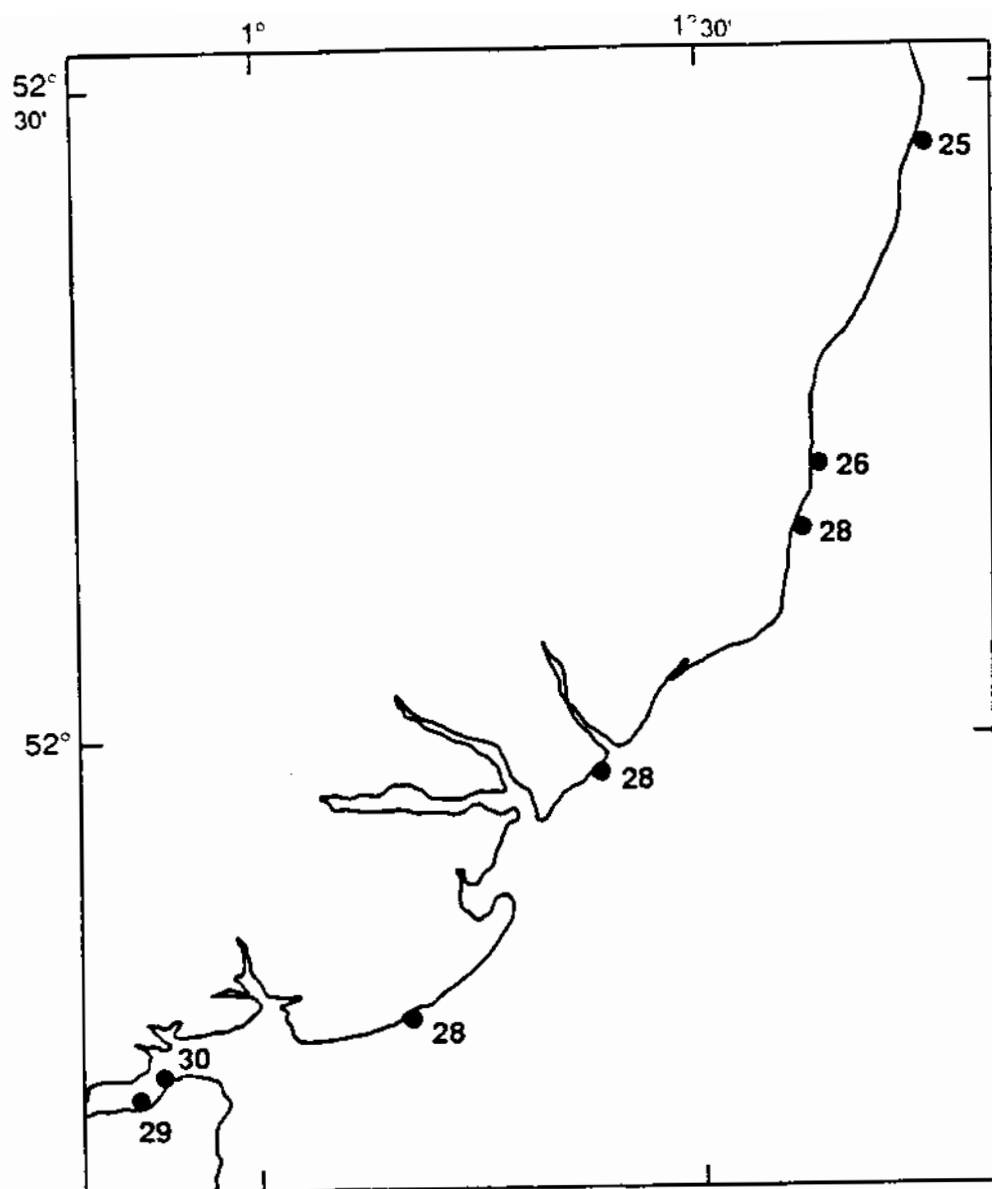


Figure 3. Location of shoreline sampling positions from Annex 1 - Inset B (see Figure 1). The numbers shown on this figure refer to page numbers in the report.

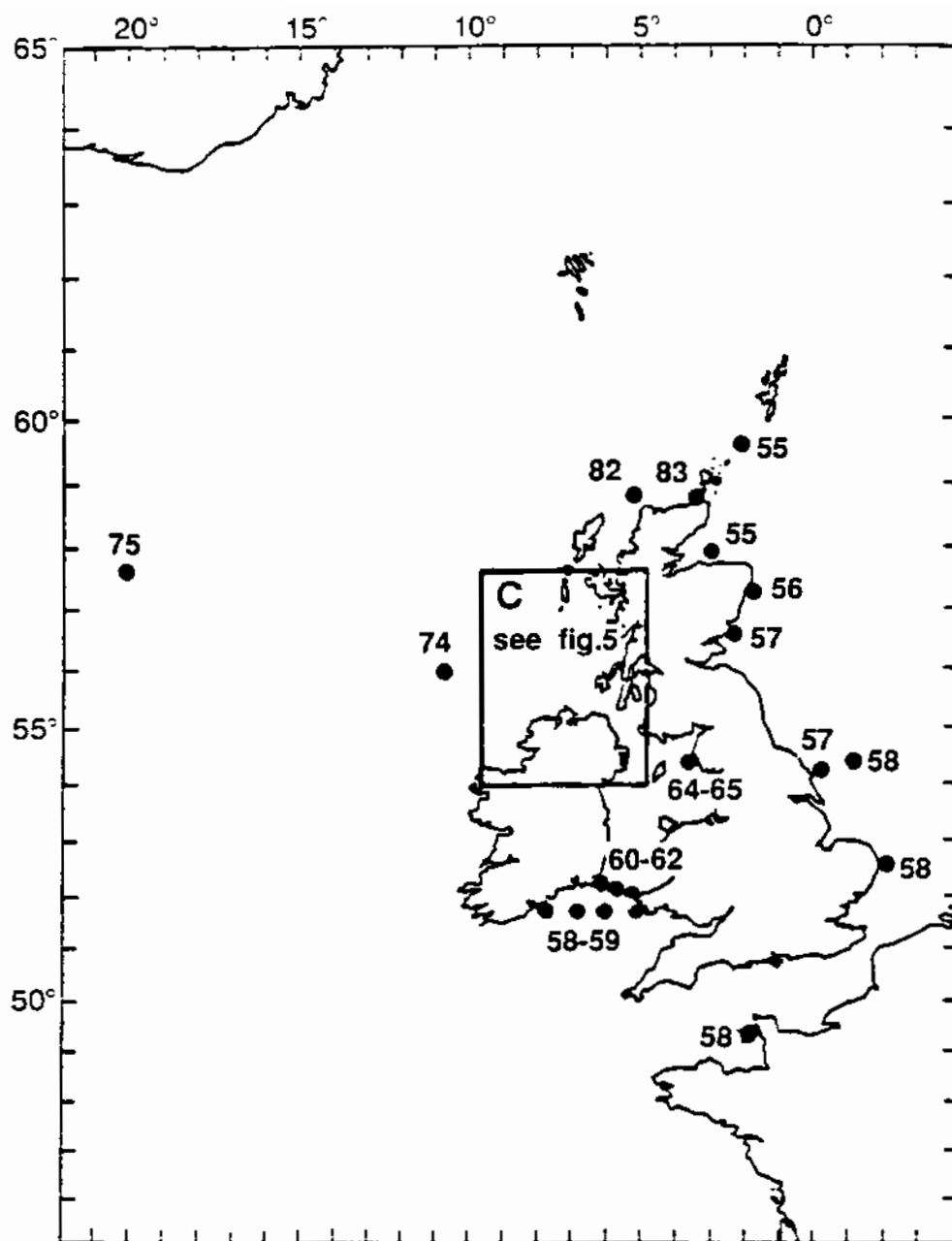


Figure 4. Location of offshore sampling positions from Annex 2. The numbers shown on this figure refer to page numbers in the report.

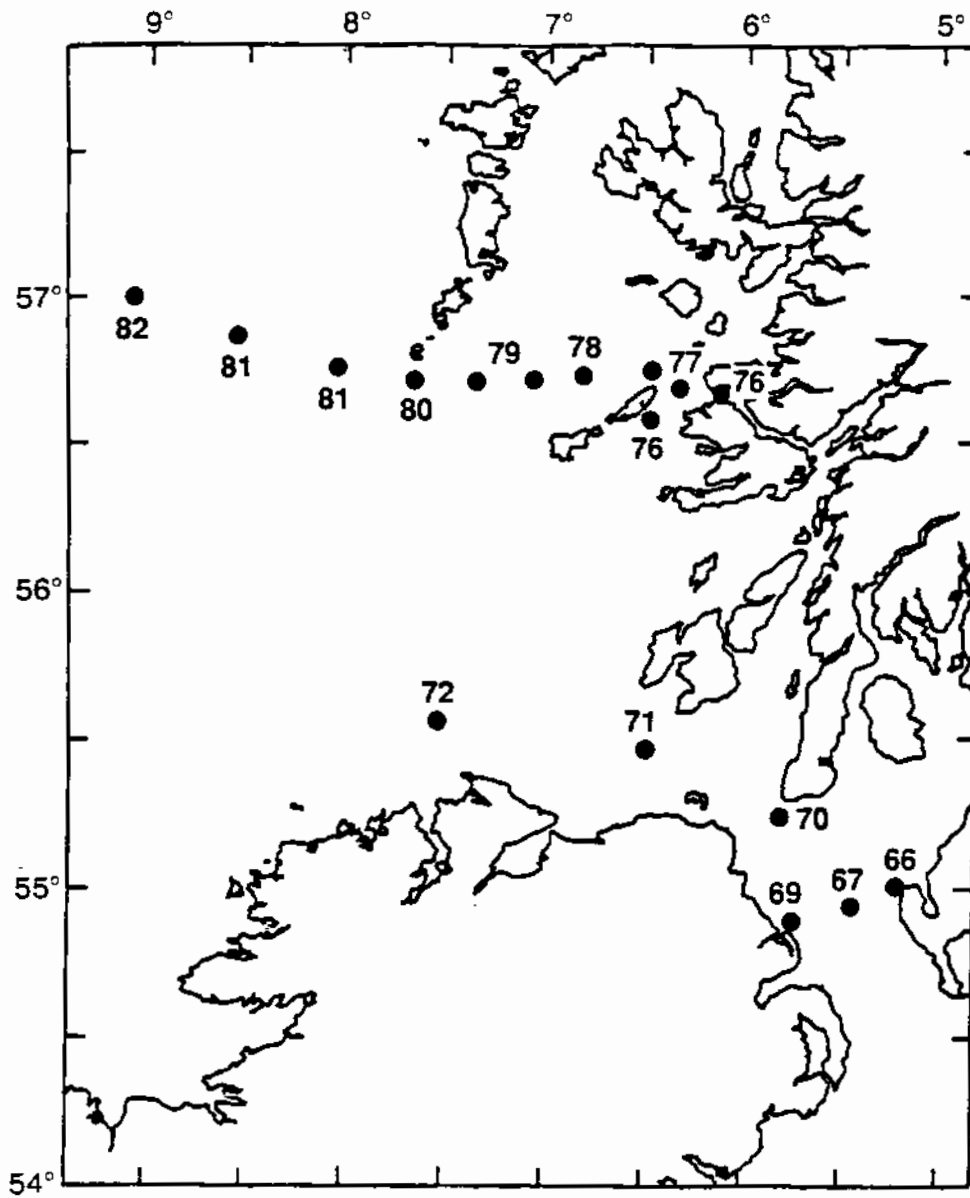


Figure 5. Location of offshore sampling positions from Annex 2 - Inset C, (see Figure 4). The numbers shown on this figure refer to page numbers in the report.

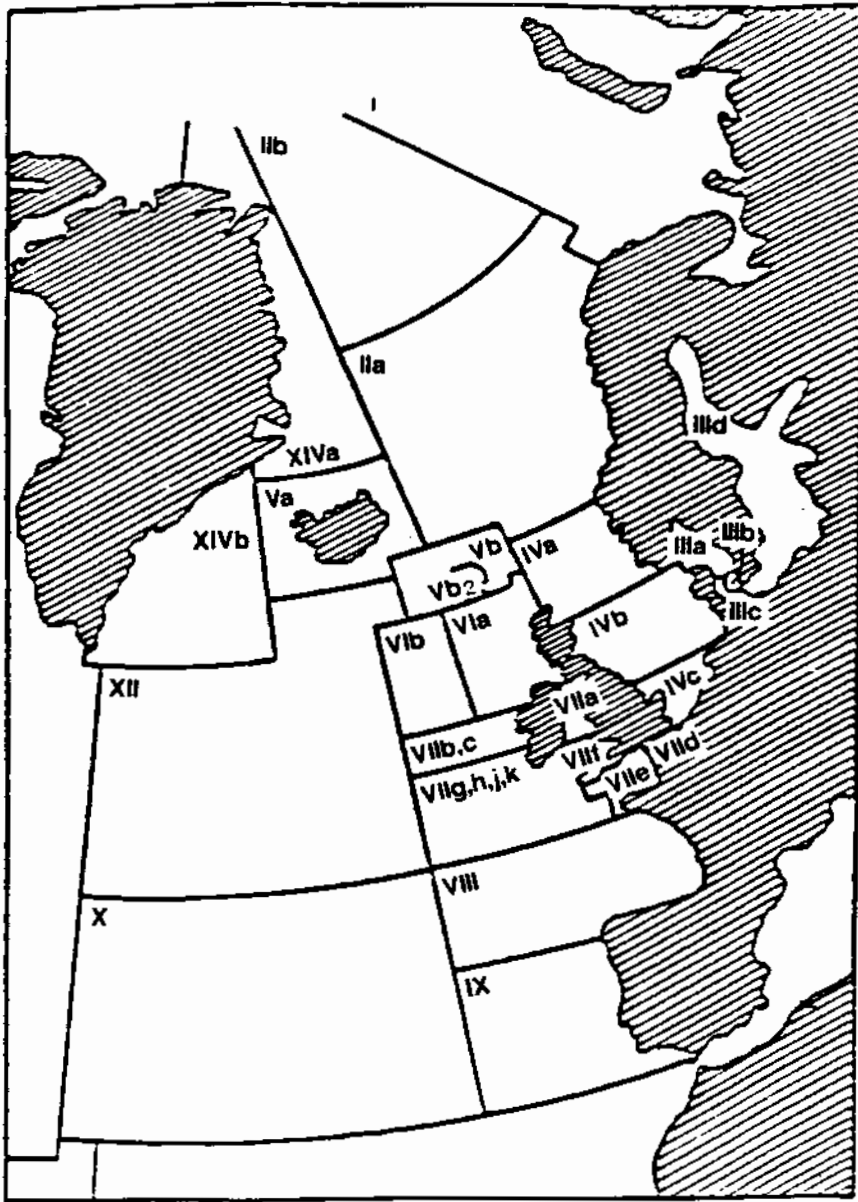


Figure 6. ICES areas.

ANNEX 1. CONCENTRATIONS OF ^{134}Cs AND ^{137}Cs IN FILTERED SEAWATER (Bq m^{-3}): SHORELINE SAMPLING, 1980-84

ANNEX 1. Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 30 Hartlepool					
Station 1 Little Scar 54:39:57N 1:11:4W					
26/ 9/84	34.214	ND	117.97+- 3.2%		3453
27/11/84	33.488	ND	101.33+- 2.8%		4497
Site 30 Hartlepool					
Station 4 PLZ 54:39: 5N 1: 9:58W					
26/ 1/83	NA	10.35+-59.5%	231.00+- 2.3%	22.3	383
29/ 4/83	29.617	ND	150.15+- 5.0%		1815
20/ 7/83	33.625	ND	177.21+- 1.9%		3640
20/10/83	34.159	ND	162.39+- 4.2%		5064
18/ 1/84	NA	ND	131.50+- 1.6%		231
16/ 5/84	NA	5.77+-59.1%	163.71+- 1.9%	28.4	2976
Site 12 Sizewell					
Station 25 Lowestoft M/L Header Tank 52:27:30N 1:44:32E					
3/ 3/80	30.128	12.30+-10.8%	205.09+- 0.6%	16.7	9930
9/ 5/80	30.957	20.99+- 6.8%	282.23+- 0.4%	13.4	37
18/ 6/80	31.399	19.27+- 7.2%	338.78+- 0.4%	17.6	50
Site 12 Sizewell					
Station 18 Lowestoft Beach (SE) 52:27:10N 1:44:20E					
3/ 3/80	32.416	16.01+- 8.3%	257.98+- 0.5%	16.1	9929
9/ 5/80	32.384	15.55+- 9.2%	331.36+- 0.4%	21.3	38
18/ 6/80	29.959	20.52+- 6.8%	384.48+- 0.3%	18.7	51
8/ 7/80	33.122	16.13+- 8.4%	324.96+- 0.4%	20.2	99
8/ 8/80	33.435	18.10+- 7.3%	327.33+- 0.4%	18.1	401
12/ 9/80	NA	23.63+- 6.3%	308.51+- 0.4%	13.1	1090
8/10/80	NA	17.19+- 8.4%	289.87+- 0.4%	16.9	1091
17/11/80	NA	17.02+- 8.2%	274.46+- 0.4%	16.1	1092
22/12/80	NA	17.93+- 7.5%	235.90+- 0.5%	13.2	1093
14/ 1/81	32.442	5.21+-27.2%	206.03+- 0.6%	39.6	1094
2/ 2/81	NA	7.08+-19.6%	198.17+- 0.6%	28.0	1095
12/ 3/81	NA	11.04+-24.6%	184.35+- 1.2%	16.7	2735
1/ 4/81	NA	9.53+-27.9%	160.13+- 1.4%	16.8	2736
18/ 5/81	NA	16.93+-15.2%	175.86+- 1.3%	10.4	2737
3/ 6/81	NA	15.47+-16.4%	176.37+- 1.2%	11.4	2738
9/ 7/81	NA	12.24+-19.9%	177.78+- 1.2%	14.5	2739
10/ 8/81	NA	15.00+-15.9%	183.55+- 1.2%	12.2	2740
25/ 9/81	NA	13.13+-18.0%	171.04+- 1.3%	13.0	2741
28/10/81	NA	8.01+-27.4%	145.93+- 1.5%	18.2	2742
10/12/81	NA	ND	164.07+- 0.9%		2744
18/ 1/82	NA	ND	135.58+- 0.9%		3618
3/ 2/82	NA	ND	143.45+- 0.8%		3619
2/ 3/82	NA	ND	152.00+- 0.8%		3627

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
1/ 4/82	NA	6.51+-28.3%	131.78+- 1.1%	20.2	3679
5/ 5/82	NA	ND	133.42+- 0.9%		3681
9/ 6/82	NA	4.82+-35.7%	129.77+- 1.1%	26.9	4147
6/ 7/82	NA	3.29+-50.8%	127.25+- 1.1%	38.6	4149
12/ 8/82	33.738	7.13+-22.9%	130.51+- 1.1%	18.3	4663
29/ 9/82	34.419	ND	64.42+- 1.5%		4664
20/10/82	34.269	5.22+-29.3%	78.96+- 1.7%	15.1	4926
2/11/82	33.575	ND	105.40+- 1.0%		4927
4/12/82	33.662	ND	64.36+- 4.1%		5317
5/ 1/83	33.376	ND	79.96+- 1.7%		1
3/ 2/83	33.087	ND	128.13+- 1.1%		221
7/ 3/83	33.069	ND	186.37+- 0.8%		582
12/ 4/83	32.543	6.50+-34.1%	182.61+- 1.2%	28.1	972
4/ 5/83	32.956	6.02+-36.1%	174.66+- 1.3%	29.0	1467
13/ 6/83	33.233	3.24+-48.9%	159.67+- 1.0%	49.3	2117
14/ 7/83	32.975	4.29+-34.5%	178.89+- 0.8%	41.7	2736
3/ 8/83	32.969	2.63+-57.5%	175.53+- 0.9%	66.8	2973
22/ 9/83	33.537	ND	161.32+- 1.9%		4053
12/10/83	33.224	ND	136.39+- 2.2%		4216
3/11/83	33.808	ND	129.71+- 1.6%		4885
6/12/83	33.819	9.31+-48.2%	158.66+- 2.9%	17.0	5329
5/ 1/84	NA	ND	101.39+- 1.8%		2
1/ 2/84	NA	ND	76.94+- 1.8%		342
5/ 3/84	NA	4.14+-57.4%	138.64+- 1.6%	33.5	797
3/ 4/84	33.161	8.21+-20.6%	136.95+- 1.2%	16.7	1151
1/ 5/84	33.088	11.32+-32.3%	141.20+- 2.3%	12.5	1552
12/ 6/84	33.324	2.87+-54.4%	134.12+- 1.2%	46.7	2676
11/ 7/84	NA	ND	133.65+- 1.5%		2677
1/ 8/84	33.525	ND	139.17+- 1.5%		2969
12/ 9/84	33.901	ND	139.56+- 1.5%		3047
10/10/84	33.637	5.32+-59.5%	141.15+- 2.2%	26.5	3640
6/11/84	NA	ND	126.46+- 3.1%		3722
3/12/84	34.281	6.55+-50.7%	62.38+- 3.3%	9.5	4238

Site 12 Sizewell

Station 15 Sizewell Inlet

52:12:32N 1:37:39E

15/ 1/80	33.584	24.54+- 3.8%	222.98+- 0.4%	9.1	9474
15/ 2/80	34.093	23.23+- 5.0%	166.40+- 0.6%	7.2	9488
15/ 3/80	32.990	31.25+- 4.3%	301.17+- 0.4%	9.6	9
15/ 5/80	32.549	28.84+- 3.3%	363.88+- 0.2%	12.6	42
15/ 6/80	33.146	22.30+- 8.1%	320.42+- 0.5%	14.4	422
15/ 7/80	33.365	22.01+- 6.2%	341.63+- 0.4%	15.5	423
15/ 8/80	33.841	15.79+- 7.4%	251.21+- 0.4%	15.9	481
15/ 9/80	34.063	39.06+- 3.2%	315.05+- 0.3%	8.1	482
15/10/80	31.945	16.42+- 8.1%	253.98+- 0.4%	15.5	1047
15/11/80	34.122	15.30+-11.1%	215.67+- 0.6%	14.1	1048
15/12/80	34.591	25.84+- 5.2%	300.64+- 0.4%	11.6	1049

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 1/81	32.858	37.05+- 3.2%	321.13+- 0.3%	8.7	1594
15/ 2/81	32.232	27.38+- 4.3%	296.90+- 0.3%	10.8	1815
15/ 3/81	32.778	16.53+- 7.0%	185.36+- 0.5%	11.2	1898
15/ 4/81	33.209	10.63+- 8.6%	162.99+- 0.5%	15.3	1899
15/ 5/81	33.194	12.86+- 8.7%	174.12+- 0.5%	13.5	2401
15/ 6/81	33.076	6.12+-36.9%	205.63+- 1.0%	33.6	2408
15/ 7/81	32.861	21.90+- 7.7%	333.44+- 0.5%	15.2	2462
15/ 8/81	33.204	8.80+-22.6%	193.00+- 1.0%	21.9	2463
15/ 9/81	33.139	7.83+-24.7%	185.00+- 1.0%	23.6	2484
15/10/81	NA	6.88+-21.4%	134.79+- 1.1%	19.6	2768
15/11/81	NA	7.09+-25.8%	205.97+- 0.9%	29.1	2769
15/12/81	34.455	13.94+- 5.0%	253.91+- 0.2%	18.2	2923
15/ 1/82	NA	7.49+-10.3%	202.56+- 0.3%	27.0	3325
15/ 2/82	NA	5.02+-29.9%	173.40+- 0.7%	34.5	3465
15/ 3/82	NA	6.78+-22.4%	207.89+- 0.7%	30.7	3673
15/ 4/82	NA	ND	137.68+- 0.6%		3678
15/ 5/82	NA	10.00+-13.4%	294.54+- 0.5%	29.5	3826
15/ 6/82	NA	4.78+-28.6%	309.30+- 0.5%	64.7	4151
15/ 7/82	NA	ND	128.92+- 0.8%		4292
15/ 8/82	NA	ND	129.89+- 0.8%		4431
15/ 9/82	33.836	ND	138.65+- 0.7%		4900
15/10/82	34.158	3.19+-38.7%	158.87+- 0.8%	49.8	4903
15/11/82	34.100	ND	104.63+- 2.2%		5179
15/12/82	34.091	ND	39.37+- 4.7%		5286
15/ 1/83	33.866	ND	57.68+- 1.9%		220
15/ 2/83	32.975	3.61+-52.9%	164.28+- 1.1%	45.6	548
15/ 3/83	33.253	4.79+-31.3%	179.60+- 0.8%	37.5	865
15/ 4/83	33.187	3.73+-46.3%	155.89+- 1.1%	41.8	1529
15/ 5/83	33.405	ND	85.69+- 1.4%		1948
15/ 6/83	33.445	4.47+-28.0%	176.67+- 0.8%	39.5	2466
15/ 7/83	32.887	4.82+-30.8%	192.99+- 0.8%	40.0	3294
15/ 8/83	33.081	7.32+-16.9%	237.71+- 0.6%	32.5	3903
15/ 9/83	33.725	7.56+-39.8%	170.64+- 1.8%	22.6	4214
15/10/83	34.124	ND	102.06+- 2.3%		4575
15/11/83	34.073	ND	153.40+- 1.7%		5399
15/12/83	34.200	ND	125.81+- 1.6%		5926
15/ 1/84	34.478	ND	71.35+- 2.9%		346
15/ 2/84	33.869	ND	60.87+- 2.5%		795
15/ 3/84	NA	2.43+-52.6%	139.82+- 0.9%	57.6	1628
15/ 4/84	NA	5.27+-31.1%	152.89+- 1.1%	29.0	1629
15/ 5/84	NA	ND	147.31+- 1.0%		2670
15/ 6/84	NA	ND	154.95+- 1.5%		2671
15/ 7/84	33.622	6.90+-57.2%	173.91+- 2.2%	25.2	2964
15/ 8/84	33.627	9.42+-32.2%	202.31+- 1.5%	21.5	2965
15/ 9/84	33.914	19.20+-22.0%	323.94+- 1.3%	16.9	3634
15/10/84	34.777	ND	104.87+- 1.7%		3740
15/11/84	34.446	9.07+-45.1%	96.79+- 2.8%	10.7	4215
15/12/84	34.812	ND	35.51+- 5.8%		4412

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 12 Sizewell					
Station 11 Aldeburgh 52: 9:17N 1:36:25E					
10/ 1/83	34.055	ND	15.49+- 7.9%		34
2/ 2/83	33.730	ND	76.76+- 1.7%		215
1/ 3/83	32.970	3.81+-57.3%	174.91+- 1.2%	45.9	543
5/ 4/83	33.299	ND	159.62+- 0.9%		859
4/ 5/83	33.322	3.95+-60.6%	105.02+- 2.1%	26.6	1466
7/ 6/83	33.437	ND	126.93+- 0.8%		1949
6/ 7/83	33.322	6.56+-24.0%	243.73+- 0.7%	37.2	2460
2/ 8/83	33.258	5.91+-26.0%	193.23+- 0.8%	32.7	2974
1/ 9/83	33.496	19.09+-25.1%	206.61+- 2.3%	10.8	3851
5/10/83	34.153	ND	92.49+- 3.1%		4215
25/10/83	34.187	ND	70.99+- 3.9%		4412
1/11/83	34.416	ND	101.60+- 2.8%		4576
6/12/83	34.083	ND	146.53+- 2.1%		5402
5/ 1/84	NA	ND	51.73+- 2.5%		3
2/ 2/84	NA	ND	36.40+- 3.7%		343
6/ 3/84	NA	5.53+-52.9%	131.55+- 2.1%	23.8	796
4/ 4/84	32.882	12.78+-13.5%	233.88+- 0.7%	18.3	1633
1/ 5/84	NA	ND	133.20+- 2.1%		1634
7/ 6/84	33.535	3.52+-44.7%	130.60+- 1.2%	37.1	2674
3/ 7/84	33.591	28.79+-12.0%	459.09+- 0.8%	15.9	2675
1/ 8/84	33.719	9.09+-37.3%	150.81+- 2.1%	16.6	2967
4/ 9/84	33.666	10.60+-30.8%	136.94+- 2.3%	12.9	2970
15/10/84	33.925	ND	111.48+- 1.9%		3635
13/11/84	34.185	ND	43.25+- 6.1%		3741
11/12/84	NA	ND	29.75+-11.2%		4071
Site 12 Sizewell					
Station 20 Felixstowe 51:58:24N 1:22:52E					
6/ 7/83	33.155	ND	102.20+- 1.3%		2496
5/10/83	34.285	ND	75.86+- 1.8%		4217
25/10/83	34.470	ND	47.66+- 5.7%		4413
6/12/83	33.972	ND	127.84+- 2.3%		5400
2/ 2/84	NA	ND	35.37+- 3.9%		344
1/ 5/84	NA	4.70+-34.7%	115.57+- 1.3%	24.6	1636
1/ 8/84	33.710	10.02+-57.5%	190.76+- 2.8%	19.0	2968
13/11/84	NA	ND	61.28+- 6.4%		3742
Site 12 Sizewell					
Station 21 Clacton 51:47:29N 1:10: 2E					
6/ 7/83	33.984	ND	40.38+- 3.1%		2497
5/10/83	34.437	ND	71.29+- 3.9%		4218
25/10/83	34.521	ND	88.35+- 3.2%		4414
6/12/83	34.287	ND	60.27+- 4.6%		5401

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
2/ 2/84	NA	ND	35.11+- 3.8%		345
1/ 5/84	NA	5.18+-31.6%	76.34+- 2.0%	14.7	1635
1/ 8/84	34.058	ND	88.65+- 2.2%		2966
13/11/84	NA	ND	51.81+- 6.5%		3743
Site 7 Bradwell					
Station 7 Waterside		51:43:52N 0:53: 1E			
13/ 2/80	30.706	12.52+- 5.5%	88.60+- 0.6%	7.1	9472
6/ 3/80	30.891	15.47+- 4.4%	118.58+- 0.5%	7.7	9494
7/ 5/80	32.417	16.54+- 4.3%	156.37+- 0.4%	9.5	12
12/ 6/80	33.660	29.55+- 2.4%	261.75+- 0.3%	8.9	40
3/ 7/80	33.508	27.40+- 4.1%	305.61+- 0.3%	11.2	419
7/ 8/80	33.699	26.89+- 3.0%	261.72+- 0.3%	9.7	1036
17/ 9/80	34.021	37.20+- 2.1%	301.13+- 0.2%	8.1	479
2/10/80	33.777	27.31+- 2.6%	233.00+- 0.3%	8.5	480
25/11/80	33.463	94.62+- 0.9%	380.66+- 0.2%	4.0	1037
4/12/80	33.774	115.47+- 0.8%	438.48+- 0.2%	3.8	1596
6/ 1/81	32.739	55.35+- 1.4%	267.51+- 0.3%	4.8	1809
11/ 2/81	31.954	77.58+- 1.1%	359.57+- 0.2%	4.6	1810
4/ 3/81	32.634	65.35+- 1.2%	347.09+- 0.2%	5.3	1811
9/ 4/81	29.871	62.62+- 1.2%	309.42+- 0.2%	4.9	1812
15/ 5/81	31.312	107.91+- 7.1%	451.40+- 1.2%	4.2	2478
11/ 6/81	30.828	79.08+- 2.0%	378.99+- 0.4%	4.8	2458
9/ 7/81	32.626	94.18+- 1.6%	420.40+- 0.4%	4.5	2459
20/ 8/81	32.515	128.06+- 3.4%	565.02+- 0.7%	4.4	2479
24/ 9/81	33.449	105.29+- 1.2%	526.19+- 0.3%	5.0	2480
15/10/81	32.908	44.60+- 2.2%	245.23+- 0.4%	5.5	2481
5/11/81	32.146	36.14+- 2.6%	214.94+- 0.5%	5.9	2482
4/12/81	NA	31.34+- 3.7%	203.40+- 0.6%	6.5	2746
15/ 2/82	NA	6.94+- 6.9%	104.02+- 0.4%	15.0	3326
4/ 3/82	NA	8.42+-35.4%	119.30+- 2.0%	14.2	3471
7/ 4/82	NA	8.69+-31.4%	135.21+- 1.7%	15.6	3680
13/ 5/82	NA	6.79+-38.7%	140.64+- 1.7%	20.7	3682
15/ 6/82	NA	12.06+-21.4%	181.91+- 1.3%	15.1	3825
8/ 7/82	NA	13.40+-18.9%	180.09+- 1.4%	13.4	4148
10/ 8/82	33.912	9.61+-25.4%	168.79+- 1.4%	17.6	4662
17/ 9/82	34.464	8.33+-28.2%	163.41+- 1.5%	19.6	4667
13/10/82	32.694	10.24+-22.7%	126.46+- 1.8%	12.3	4928
1/11/82	31.364	5.13+-44.0%	124.23+- 1.8%	24.2	4929
17/12/82	27.948	5.38+-19.9%	78.54+- 1.4%	14.6	5180
30/ 6/83	32.344	3.40+-47.8%	92.69+- 1.7%	27.3	3350
1/ 7/83	32.858	3.17+-60.3%	94.88+- 1.9%	29.9	3349

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
<i>Site 7 Bradwell</i>					
<i>Station 118 Bradwell Inlet</i>					
			<i>51:44:40N 0:53:35E</i>		
15/ 1/80	31.743	12.90+- 6.0%	102.34+- 0.6%	7.9	9473
15/ 3/80	31.855	530.89+- 0.6%	3232.24+- 0.1%	6.1	11
15/ 5/80	31.704	1000.36+- 0.7%	6418.19+- 0.1%	6.4	39
15/ 6/80	33.010	823.52+- 0.7%	5337.46+- 0.1%	6.5	424
15/ 7/80	32.428	5414.94+- 0.6%	36303.70+- 0.1%	6.7	425
15/ 8/80	30.068	3105.80+- 0.6%	19726.90+- 0.1%	6.4	483
15/ 9/80	33.483	107.34+- 1.1%	767.45+- 0.1%	7.1	484
3/10/80	NA	32.25+- 5.1%	244.95+- 0.5%	7.6	1839
15/10/80	32.193	469.93+- 0.7%	2835.00+- 0.1%	6.0	1044
15/11/80	32.981	158.20+- 1.6%	708.29+- 0.3%	4.5	1045
15/12/80	25.815	123.13+- 1.2%	663.05+- 0.2%	5.4	1046
15/ 1/81	33.477	379.79+- 0.7%	2372.19+- 0.1%	6.2	1595
15/ 2/81	15.671	100.02+- 1.7%	928.35+- 0.2%	9.3	1814
15/ 4/81	31.193	85.60+- 1.9%	430.26+- 0.4%	5.0	2460
15/ 5/81	29.919	1017.93+- 0.7%	8869.58+- 0.1%	8.7	2449
15/ 6/81	31.396	136.68+- 1.3%	604.45+- 0.3%	4.4	2450
15/ 7/81	32.695	188.12+- 0.9%	789.45+- 0.3%	4.2	2451
15/ 8/81	33.219	210.73+- 0.9%	1003.40+- 0.3%	4.8	2461
15/ 9/81	29.691	1389.78+- 0.3%	6503.83+- 0.2%	4.7	2483
15/10/81	NA	882.82+- 0.5%	6249.95+- 0.2%	7.1	2770
15/11/81	NA	279.16+- 0.9%	2306.60+- 0.2%	8.3	2767
15/12/81	NA	57.47+- 6.6%	1867.27+- 0.3%	32.5	2924
15/ 1/82	NA	39.46+-17.1%	1336.43+- 0.5%	33.9	3464
15/ 2/82	NA	12.53+-35.5%	286.83+- 1.3%	22.9	3466
15/ 3/82	NA	ND	161.92+- 1.5%		3675
15/ 4/82	NA	11.87+-28.3%	201.24+- 1.5%	17.0	3676
15/ 5/82	NA	5.60+-49.4%	183.89+- 1.4%	32.8	3824
15/ 6/82	NA	9.39+-39.4%	172.12+- 1.9%	18.3	4150
15/ 7/82	NA	8.98+-42.4%	172.55+- 2.0%	19.2	4293
15/ 8/82	NA	ND	180.89+- 1.4%		4201
15/ 9/82	34.269	8.45+-28.6%	171.01+- 1.4%	20.2	4901
15/10/82	32.344	ND	115.21+- 2.8%		4904
15/11/82	31.741	ND	103.22+- 1.9%		5176
15/12/82	29.711	10.41+-21.6%	97.87+- 2.3%	9.4	5288
<i>Site 8 Dungeness</i>					
<i>Station 10 Dungeness Inlet</i>					
			<i>50:54:32N 0:57:58E</i>		
7/ 3/81	34.210	ND	64.98+- 0.7%		1813
15/ 4/81	34.156	ND	23.42+- 3.3%		2464
15/ 5/81	34.017	ND	41.08+- 2.0%		2465
15/ 8/81	NA	ND	56.44+- 1.3%		2763
15/ 9/81	NA	ND	26.33+- 3.1%		2764
15/10/81	NA	ND	22.42+- 5.3%		2765
15/11/81	NA	5.11+-28.1%	158.97+- 0.9%	31.1	2766
15/12/81	NA	ND	20.05+- 1.5%		2922

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 1/82	NA	ND	138.22+- 0.3%		3324
15/ 2/82	NA	ND	25.76+- 5.9%		3470
15/ 3/82	NA	ND	19.71+- 7.9%		3677
15/ 4/82	NA	ND	31.11+- 4.7%		3822
15/ 5/82	NA	ND	19.65+- 7.0%		3823
15/ 6/82	NA	ND	50.62+- 2.9%		4432
15/ 7/82	NA	ND	18.21+- 7.8%		4433
15/ 8/82	NA	ND	19.57+- 7.9%		4434
15/ 9/82	34.610	ND	20.23+- 7.3%		4665
15/10/82	34.320	ND	21.29+- 6.8%		4925
15/11/82	34.206	ND	14.57+- 9.9%		5178
15/12/82	33.948	ND	11.49+-17.6%		5287
15/ 1/83	33.631	ND	18.44+- 4.2%		381
15/ 2/83	33.971	ND	14.99+- 6.9%		755
15/ 3/83	34.313	ND	11.12+- 7.0%		906
15/ 4/83	34.333	ND	7.74+-16.1%		1569
15/ 5/83	34.752	ND	12.94+- 5.3%		2154
15/ 6/83	34.580	ND	24.93+- 2.9%		2762
15/ 8/83	34.704	ND	14.79+- 3.9%		3898
15/ 9/83	34.773	ND	11.31+-16.4%		4883
15/10/83	34.682	ND	11.26+-15.2%		4884
15/11/83	34.734	ND	34.28+- 5.2%		5470
15/12/83	34.910	ND	15.61+- 8.7%		5927
15/ 1/84	34.526	ND	12.41+- 9.8%		651
15/ 2/84	34.394	ND	19.11+- 4.2%		1094
15/ 3/84	NA	ND	16.85+- 3.6%		1630
15/ 4/84	NA	ND	18.98+- 3.5%		1721
15/ 5/84	NA	ND	26.00+- 3.3%		2678
15/ 6/84	35.019	ND	15.65+- 7.0%		2971
15/ 7/84	35.183	ND	20.47+- 5.2%		2972
15/ 8/84	34.951	ND	25.84+- 6.0%		3636
15/ 9/84	NA	6.64+-57.5%	19.61+-11.5%	3.0	3637
15/10/84	34.671	6.92+-51.3%	26.68+- 8.2%	3.9	4069
15/11/84	35.172	ND	15.83+- 6.8%		4070
15/12/84	35.207	NA	NA		4248
<i>Site 18 Winfrith</i>					
<i>Station 6 Poole</i>					
			50:41:20N	1:59:50W	
16/ 8/83	32.018	NA	NA		3410
7/10/83	30.487	ND	11.31+-16.0%		4185
9/10/83	33.404	NA	NA		4170
<i>Site 18 Winfrith</i>					
<i>Station 2 Kimmeridge</i>					
			50:36:39N	2: 7:53W	
16/ 8/83	34.634	NA	NA		3409
6/10/83	34.921	ND	10.52+-17.2%		4188
8/10/83	34.860	NA	NA		4168

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
<i>Site 22 Channel Islands</i>					
<i>Station 219 Alderney, East 49:44:18N 2:11:30W</i>					
7/ 2/80	NA	ND	9.69+- 5.6%		9914
14/ 4/80	NA	ND	10.15+- 5.3%		9939
11/ 7/80	NA	ND	13.65+- 5.1%		85
6/10/80	NA	ND	5.67+- 7.8%		467
27/10/81	NA	ND	25.65+- 3.1%		2726
8/ 1/82	NA	ND	20.33+- 1.6%		3116
30/ 4/82	NA	ND	15.00+- 5.2%		3785
13/ 7/82	NA	ND	21.82+- 3.6%		4227
15/10/82	NA	ND	13.75+- 5.5%		5274
5/ 4/83	NA	ND	9.45+- 6.4%		1958
12/10/83	NA	ND	8.78+-25.9%		4388
11/ 1/84	NA	ND	7.76+-15.7%		543
9/ 7/84	NA	ND	15.80+- 3.5%		2774
18/10/84	NA	ND	6.68+- 9.5%		3725
<i>Site 22 Channel Islands</i>					
<i>Station 224 Jersey, St Catherines Bay 49:13: 8N 2: 1:29W</i>					
11/ 1/80	NA	ND	14.24+- 2.5%		9915
10/ 4/80	NA	ND	12.25+- 2.9%		9941
7/ 7/80	NA	ND	7.92+- 4.4%		97
17/10/80	NA	ND	7.35+- 4.7%		470
24/ 7/81	NA	ND	13.20+- 3.8%		2440
21/10/81	NA	ND	26.80+- 2.0%		2729
2/ 2/82	NA	ND	27.16+- 1.0%		3169
20/ 4/82	NA	ND	24.93+- 2.8%		3582
25/10/82	NA	ND	19.30+- 3.2%		5142
11/ 1/83	NA	ND	12.29+- 5.1%		213
21/ 4/83	NA	ND	18.76+- 2.4%		1501
18/ 8/83	NA	ND	19.26+- 2.5%		3590
13/12/83	NA	ND	16.21+- 7.8%		5650
12/ 3/84	NA	ND	12.52+- 5.2%		1059
14/ 5/84	NA	ND	23.59+- 2.8%		2030
17/ 7/84	NA	ND	15.12+- 2.9%		2789
15/10/84	NA	ND	18.19+- 3.6%		3775

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
<i>Site 22 Channel Islands</i>					
<i>Station 216 Guernsey</i>					
			49:27:24N 2:31:30W		
10/ 1/80	NA	ND	9.64+- 4.6%		9916
15/ 4/80	NA	ND	5.46+- 8.1%		9917
6/10/81	NA	ND	13.51+- 4.6%		2727
4/ 1/82	NA	ND	17.19+- 1.7%		3117
30/ 4/82	NA	ND	8.54+- 8.9%		3786
13/ 7/82	NA	ND	11.40+- 6.7%		4226
15/10/82	NA	ND	10.75+- 7.0%		5269
12/ 1/83	NA	ND	8.61+- 6.4%		285
5/ 4/83	NA	ND	11.63+- 4.7%		1957
4/ 7/83	NA	ND	10.89+- 5.0%		3074
12/10/83	NA	ND	8.75+-17.7%		4387
11/ 1/84	NA	ND	11.16+- 9.7%		542
9/ 4/84	NA	ND	7.42+-10.6%		1589
9/ 7/84	NA	ND	14.12+- 3.8%		2773
9/10/84	NA	ND	8.31+- 7.7%		3724
<i>Site 9 Hinkley</i>					
<i>Station 10 Inlet</i>					
			51:13: 2N 3: 7:47W		
15/ 1/80	24.671	ND	77.21+- 0.6%		9475
15/ 2/80	23.490	12.18+- 6.9%	106.97+- 0.6%	8.8	9495
15/ 3/80	24.869	ND	77.54+- 0.6%		13
15/ 5/80	25.297	ND	68.39+- 0.8%		41
15/ 6/80	26.968	ND	67.59+- 0.7%		426
15/ 7/80	28.014	ND	72.02+- 0.7%		421
15/ 8/80	33.452	33.02+- 5.9%	187.84+- 0.7%	5.7	1589
15/ 9/80	27.774	13.90+- 6.2%	122.45+- 0.6%	8.8	1038
15/10/80	27.325	ND	64.01+- 0.7%		1039
15/11/80	33.462	22.74+- 3.4%	102.33+- 0.6%	4.5	1590
15/12/80	32.505	19.55+- 3.8%	100.31+- 0.6%	5.1	1591
15/ 1/81	26.159	13.38+- 5.7%	80.80+- 0.7%	6.0	1592
15/ 2/81	26.162	ND	55.50+- 0.7%		1593
15/ 3/81	25.653	ND	65.59+- 0.6%		1808
15/ 4/81	25.232	ND	64.58+- 0.7%		1895
15/ 5/81	25.301	ND	51.99+- 0.8%		1896
15/ 6/81	25.577	16.75+- 4.9%	97.62+- 0.7%	5.8	1897
15/ 7/81	26.049	ND	58.81+- 1.0%		2446
15/ 8/81	26.931	43.01+- 2.4%	224.66+- 0.5%	5.2	2447
15/ 9/81	27.600	12.05+-12.5%	92.22+- 1.5%	7.7	2448
15/10/81	NA	7.42+-17.3%	76.78+- 1.6%	10.3	2761
15/11/81	NA	ND	55.67+- 1.3%		2762
15/12/81	NA	ND	37.24+- 1.8%		2847

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 1/82	NA	ND	50.68+- 0.6%		3327
15/ 2/82	NA	ND	52.22+- 2.9%		3469
15/ 3/82	NA	ND	45.83+- 3.0%		3814
15/ 4/82	NA	ND	39.63+- 3.4%		3815
15/ 5/82	NA	ND	56.89+- 2.6%		3816
15/ 6/82	NA	ND	41.66+- 3.2%		4117
15/ 7/82	NA	ND	62.65+- 2.3%		4294
15/ 8/82	28.283	ND	39.79+- 3.4%		4661
15/ 9/82	28.744	ND	70.33+- 2.5%		4899
15/10/82	27.046	ND	43.63+- 3.2%		4902
15/11/82	24.803	ND	65.67+- 2.3%		5177
15/12/82	22.825	ND	34.47+- 4.1%		5319
15/ 1/83	23.430	ND	29.70+- 2.4%		573
15/ 3/83	24.628	ND	45.34+- 1.6%		1491
15/ 4/83	24.449	ND	31.87+- 2.1%		1496
15/ 5/83	24.319	ND	34.60+- 2.1%		1943
15/ 6/83	25.620	6.87+-15.2%	113.44+- 0.9%	16.5	2763
15/ 7/83	27.058	ND	39.10+- 1.6%		3295
15/ 9/83	28.869	NA	NA		4233
15/ 9/83	NA	ND	57.32+- 2.6%		4058
15/10/83	28.427	ND	40.78+- 3.6%		4882
15/11/83	27.271	ND	39.97+- 4.3%		5468
15/12/83	27.044	ND	51.31+- 3.4%		5875
15/ 1/84	24.422	ND	29.51+- 3.7%		551
15/ 2/84	NA	ND	35.59+- 1.7%		1095
15/ 3/84	NA	ND	69.22+- 1.0%		1631
15/ 4/84	NA	ND	37.29+- 1.5%		1720
15/ 5/84	NA	ND	40.84+- 4.2%		2672
15/ 6/84	NA	ND	65.97+- 2.6%		2673
15/ 7/84	28.355	16.68+-13.9%	265.28+- 0.8%	15.9	2975
15/ 8/84	29.301	7.91+-27.4%	86.40+- 2.2%	10.9	3048
15/ 9/84	29.538	10.87+-19.9%	117.25+- 1.7%	10.8	3633
15/10/84	30.008	6.10+-33.5%	91.88+- 2.1%	15.1	3721
15/11/84	27.748	12.67+-15.9%	161.91+- 1.3%	12.8	4213
15/12/84	26.052	NA	NA		4410
<i>Site 11 Oldbury</i>					
<i>Station 116 Oldbury</i>					
<i>51:38:54N 2:35: 2W</i>					
26/ 6/81	NA	ND	66.28+- 1.1%		2437
24/ 7/81	NA	13.15+- 8.9%	82.92+- 1.1%	6.3	2438
26/ 8/81	NA	7.65+-14.5%	101.55+- 0.9%	13.3	2439
2/10/81	NA	ND	54.44+- 3.3%		2925
2/11/81	NA	ND	40.96+- 1.6%		2753
28/11/81	NA	ND	39.31+- 4.3%		2904
27/12/81	NA	ND	21.65+- 8.4%		2905
30/ 1/82	NA	ND	21.96+- 8.9%		3252
1/ 3/82	NA	ND	26.04+- 7.9%		3563

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
2/ 6/82	NA	ND	61.59+- 3.0%		4224
12/ 7/82	NA	ND	60.81+- 3.2%		4225
10/ 8/82	22.727	ND	67.87+- 2.6%		5306
23/ 9/82	21.767	ND	51.38+- 3.5%		5307
25/10/82	15.606	ND	36.30+- 4.9%		5308
30/12/82	7.792	ND	17.59+- 9.5%		5481
30/ 2/83	NA	ND	28.84+- 3.1%		981
13/ 4/83	14.842	ND	24.35+- 2.7%		1584
8/ 5/83	10.703	ND	18.58+- 4.1%		2749
15/ 6/83	16.675	ND	35.33+- 1.8%		3577
15/ 7/83	19.464	ND	50.15+- 1.4%		3578
9/ 8/83	15.762	ND	64.65+- 3.3%		4961
5/ 9/83	21.443	ND	51.40+- 2.9%		6002
3/10/83	18.092	ND	38.20+- 5.1%		5663
31/10/83	20.088	ND	42.93+- 4.5%		5668
29/11/83	16.859	ND	40.86+- 3.5%		6000
23/12/83	11.823	ND	18.02+- 9.7%		6001
10/ 1/84	7.218	ND	16.78+- 5.8%		550
10/ 2/84	7.571	ND	13.05+- 7.0%		1120
29/ 2/84	10.351	ND	20.88+- 4.3%		1655
10/ 4/84	NA	ND	30.09+- 3.0%		2550
8/ 5/84	NA	ND	39.40+- 2.3%		2551
5/ 6/84	NA	ND	40.71+- 2.4%		2735
6/ 7/84	23.880	ND	57.20+- 1.8%		3068
7/ 8/84	17.559	ND	60.21+- 1.7%		3671
4/ 9/84	13.715	ND	50.54+- 2.2%		3672
2/10/84	22.994	ND	50.94+- 3.7%		4024
1/11/84	19.312	ND	44.33+- 4.2%		4025
28/11/84	5.686	ND	27.26+- 5.0%		4415
18/12/84	12.246	ND	31.38+- 6.0%		4419
Site 6 Berkeley					
Station 115 Berkeley Inlet					
51:41:37N 2:29:52W					
15/ 2/80	NA	ND	12.75+- 3.9%		9942
15/ 3/80	NA	ND	18.86+- 2.7%		9974
15/ 4/80	NA	ND	71.79+- 0.7%		95
15/ 6/80	NA	ND	62.78+- 0.8%		414
15/ 7/80	NA	11.22+- 8.2%	74.39+- 1.0%	6.6	413
15/ 8/80	NA	11.58+- 8.0%	78.99+- 0.9%	6.8	460
15/ 9/80	NA	9.88+- 9.2%	81.28+- 0.9%	8.2	471
15/10/80	NA	ND	51.63+- 1.0%		472
15/11/80	NA	ND	30.12+- 1.7%		1074
15/12/80	NA	ND	32.88+- 1.4%		1075
9/ 1/81	NA	ND	31.11+- 1.6%		1100
5/ 2/81	NA	ND	25.72+- 1.9%		1556
7/ 3/81	NA	ND	25.58+- 1.9%		1597
25/ 4/81	NA	ND	52.84+- 1.0%		1858

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
25/ 5/81	NA	ND	47.01+- 1.0%		1859
18/ 6/81	NA	ND	70.37+- 1.1%		2436
23/ 7/81	NA	8.41+-14.0%	80.73+- 1.2%	9.6	2435
17/ 8/81	NA	19.51+- 7.0%	147.21+- 0.8%	7.5	2434
13/ 9/81	NA	123.77+- 1.2%	952.14+- 0.2%	7.7	2751
10/10/81	NA	ND	59.49+- 1.3%		2752
7/11/81	NA	ND	43.58+- 4.1%		2903
6/12/81	NA	ND	27.45+- 6.6%		2910
30/ 2/82	NA	31.30+-13.6%	368.75+- 1.0%	11.8	3788
29/ 6/82	17.954	76.77+- 4.7%	1094.47+- 0.4%	14.3	5303
10/ 8/82	19.201	12.88+-25.4%	109.43+- 2.7%	8.5	5304
30/ 9/82	18.837	ND	54.01+- 3.1%		5305
8/11/82	10.524	ND	21.19+- 8.4%		5309
24/12/82	NA	ND	12.91+-12.2%		5480
<i>Site 34 Cardiff</i>					
<i>Station 4 Orchard Ledges East</i>			<i>51:27:55N 3: 7:59W</i>		
18/ 2/80	20.473	ND	31.96+- 2.2%		9499
10/ 6/80	25.429	ND	49.89+- 1.4%		60
15/ 9/80	NA	ND	41.07+- 1.8%		1089
25/11/80	NA	ND	46.99+- 1.6%		1837
16/10/81	NA	ND	36.86+- 3.4%		2745
30/ 3/82	NA	ND	27.59+- 9.1%		3674
29/ 9/82	23.168	ND	27.72+- 4.5%		4666
29/ 3/83	25.586	ND	24.70+- 4.9%		866
5/10/83	22.346	ND	28.78+- 9.3%		4164
6/ 4/84	24.954	ND	18.83+- 9.7%		1632
24/ 9/84	28.737	ND	36.50+- 6.5%		3452
<i>Site 14 Wylfa</i>					
<i>Station 6 Holyhead</i>			<i>53:18:59N 4:37:44W</i>		
25/ 2/80	33.294	46.42+-12.0%	866.38+- 0.5%	18.7	9951
17/ 4/80	31.989	ND	365.10+- 1.0%		9999
24/ 6/80	33.986	ND	463.24+- 0.7%		441
4/ 9/80	34.061	ND	575.54+- 0.6%		1573
18/11/80	32.457	54.50+-10.6%	1366.18+- 0.4%	25.1	1578
13/ 2/81	33.036	114.14+- 7.0%	2123.04+- 0.4%	18.6	1853
11/ 5/81	32.146	23.53+-30.9%	1224.36+- 0.6%	52.0	1882
7/ 9/81	NA	33.31+-15.6%	1302.83+- 0.4%	39.1	3019
4/12/81	NA	8.71+-55.0%	1040.19+- 0.5%	119.4	2889
15/ 2/82	NA	ND	536.00+- 1.6%		3778
18/ 6/82	33.767	ND	577.51+- 1.5%		5292

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/10/82	33.849	ND	568.39+- 1.5%		5315
22/ 2/83	32.957	ND	884.03+- 1.1%		540
13/ 5/83	33.640	ND	593.26+- 1.5%		2082
2/ 9/83	33.762	ND	449.75+- 1.9%		3644
17/11/83	33.707	ND	380.91+- 2.2%		5097
14/ 2/84	33.663	ND	871.86+- 0.8%		1626
24/ 5/84	33.531	ND	706.74+- 0.9%		2656
20/ 8/84	33.815	ND	607.80+- 1.1%		3527
18/12/84	34.035	ND	221.71+- 3.1%		4244

Site 14 Wylfa

Station 1 Cemlyn Bay Shore

53:24:48N 4:30:41W

4/ 9/80	NA	23.71+-34.6%	845.71+- 0.8%	35.7	1565
18/11/80	32.433	52.94+-14.8%	1530.44+- 0.5%	28.9	1577
13/ 2/81	32.409	155.62+- 5.3%	2909.16+- 0.3%	18.7	1852
11/ 5/81	33.321	56.85+-13.1%	1689.74+- 0.4%	29.7	1881
7/ 9/81	NA	24.07+-21.5%	1664.58+- 0.3%	69.2	3018
4/12/81	NA	10.75+-44.7%	1145.61+- 0.5%	106.6	2888
15/ 2/82	NA	ND	866.46+- 1.1%		3777
18/ 6/82	33.785	ND	773.17+- 1.2%		5291
15/10/82	33.605	ND	1048.72+- 1.0%		5314
22/ 2/83	32.258	48.97+-28.4%	1687.58+- 0.9%	34.5	539
13/ 5/83	33.259	ND	939.03+- 1.0%		2078
2/ 9/83	33.418	ND	612.01+- 1.5%		3643
17/11/83	33.813	ND	522.81+- 1.7%		5096
14/ 2/84	27.653	ND	507.91+- 1.2%		1625
24/ 5/84	33.502	ND	915.77+- 0.8%		2657
20/ 8/84	33.789	ND	882.78+- 1.0%		3523
18/12/84	34.130	ND	554.71+- 1.5%		4247

Site 14 Wylfa

Station 2 Cemaes Bay

53:24:53N 4:27: 5W

25/ 2/80	32.671	40.24+-19.2%	707.59+- 0.9%	17.6	9950
17/ 4/80	28.827	39.76+-36.7%	582.30+- 2.0%	14.6	9998
20/ 6/80	33.859	18.02+-31.3%	777.34+- 0.6%	43.1	444
30/ 8/81	NA	172.10+- 3.3%	4651.86+- 0.2%	27.0	2866

Site 14 Wylfa

Station 3 Llandudno

53:19:29N 3:47:24W

25/ 2/80	32.555	59.49+-13.1%	1289.00+- 0.5%	21.7	9938
17/ 4/80	33.177	55.76+-21.9%	965.11+- 1.1%	17.3	9997
25/ 6/80	33.155	44.70+-12.8%	1371.87+- 0.4%	30.7	446

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
4/ 9/80	NA	80.86+-10.5%	1577.79+- 0.5%	19.5	1564
21/11/80	32.847	136.07+- 6.0%	2406.60+- 0.3%	17.7	1576
11/ 2/81	31.310	231.47+- 3.8%	3945.98+- 0.2%	17.0	1851
12/ 5/81	32.080	83.03+- 9.2%	2560.89+- 0.3%	30.8	1880
8/ 9/81	NA	136.50+- 4.1%	3875.18+- 0.2%	28.4	3017
3/12/81	NA	38.82+-12.6%	1462.53+- 0.4%	37.7	2887
12/ 2/82	NA	ND	1468.22+- 0.8%		3776
17/ 6/82	32.661	57.43+-26.8%	2196.84+- 0.7%	38.3	5290
13/10/82	32.611	56.15+-24.6%	1830.32+- 0.8%	32.6	5313
21/12/82	31.884	ND	612.07+- 1.5%		5321
21/ 2/83	30.907	102.77+-13.8%	3059.92+- 0.6%	29.8	538
12/ 5/83	31.358	66.42+-19.7%	2128.26+- 0.7%	32.0	2080
29/ 7/83	32.584	34.16+-38.7%	1708.25+- 0.9%	50.0	3642
16/11/83	32.453	37.08+-35.0%	1329.74+- 1.1%	35.9	5098
14/ 2/84	31.808	ND	556.02+- 1.1%		1624
21/ 5/84	32.242	67.33+-13.7%	1836.69+- 0.6%	27.3	2655
21/ 8/84	32.768	62.14+-16.2%	2229.62+- 0.5%	35.9	3525
17/12/84	32.810	20.07+-44.3%	1134.13+- 0.9%	56.5	4245
<i>Site 14 Wylfa</i>					
<i>Station 4 Prestatyn</i>					
<i>53:20:33N 3:24:54W</i>					
24/ 2/80	31.734	172.60+- 4.8%	2713.69+- 0.3%	15.7	9937
17/ 4/80	30.417	102.15+-12.2%	2013.13+- 0.6%	19.7	9996
25/ 6/80	29.926	62.48+- 9.4%	1793.50+- 0.3%	28.7	443
5/ 9/80	NA	254.64+- 3.8%	4344.70+- 0.2%	17.1	1563
19/11/80	34.336	259.49+- 3.6%	4879.51+- 0.2%	18.8	1575
12/ 2/81	29.983	323.15+- 2.9%	5173.96+- 0.2%	16.0	1850
13/ 5/81	31.053	154.15+- 5.2%	3557.89+- 0.2%	23.1	1879
8/ 9/81	NA	242.66+- 2.4%	5868.40+- 0.2%	24.2	3016
3/12/81	NA	58.98+- 8.4%	2301.59+- 0.3%	39.0	2886
12/ 2/82	NA	48.10+-34.9%	1936.17+- 0.8%	40.3	3775
17/ 6/82	31.566	124.31+-12.6%	3801.08+- 0.5%	30.6	5289
13/10/82	15.729	57.26+-24.1%	2376.68+- 0.7%	41.5	5310
21/12/82	5.137	ND	81.70+- 8.8%		5320
21/ 2/83	30.384	126.86+-11.3%	3510.26+- 0.5%	27.7	537
12/ 5/83	29.901	129.09+-10.4%	3087.86+- 0.6%	23.9	2081
29/ 7/83	31.288	79.66+-16.9%	2738.37+- 0.6%	34.4	3641
16/11/83	30.232	41.30+-31.8%	1637.00+- 0.9%	39.6	5095
14/ 2/84	30.636	26.61+-37.1%	1030.68+- 0.9%	38.7	1627
21/ 5/84	29.733	59.00+-15.5%	2200.47+- 0.5%	37.3	2654
21/ 8/84	32.969	84.17+-12.0%	2824.19+- 0.4%	33.6	3526
17/12/84	31.386	ND	1329.40+- 1.0%		4246

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
<i>Site 33 Capenhurst</i>					
<i>Station 1 PLZ (Hoylake)</i>		<i>53:24:39N 3: 9:20W</i>			
17/ 4/80	30.643	132.08+- 9.5%	2028.75+- 0.6%	15.4	9995
<i>Site 1 Sellafield</i>					
<i>Station 134 New Brighton</i>		<i>53:26:33N 3: 3: 9W</i>			
23/ 2/80	30.826	155.52+- 6.5%	2447.68+- 0.4%	15.7	9936
25/ 6/80	31.165	123.58+- 6.7%	2905.46+- 0.3%	23.5	439
17/ 9/80	NA	190.74+- 4.8%	3690.81+- 0.2%	19.4	1562
11/12/80	34.040	411.93+- 2.5%	6961.33+- 0.2%	16.9	1586
18/ 2/81	28.287	272.32+- 3.4%	5153.01+- 0.2%	18.9	1849
29/ 5/81	32.187	172.27+- 4.8%	4442.85+- 0.2%	25.8	1878
2/ 9/81	NA	238.54+- 2.5%	5558.98+- 0.2%	23.3	3015
26/ 2/82	NA	74.77+- 6.3%	2061.93+- 0.3%	27.6	3320
23/ 6/82	NA	93.80+- 5.5%	3316.19+- 0.2%	35.4	4362
28/ 8/82	NA	104.68+-13.7%	2717.92+- 0.6%	26.0	4412
3/11/82	31.588	61.62+-21.5%	1776.39+- 0.9%	28.8	5186
11/ 2/83	NA	76.31+-18.3%	1992.12+- 0.8%	26.1	534
16/ 5/83	27.042	96.70+-13.7%	2447.53+- 0.7%	25.3	2060
26/ 8/83	31.011	115.51+- 8.1%	3377.04+- 0.4%	29.2	3893
30/12/83	22.032	54.63+-23.2%	1656.37+- 0.9%	30.3	5868
2/ 3/84	29.371	54.86+-22.8%	1615.88+- 0.9%	29.5	1088
11/ 5/84	33.809	83.87+-15.2%	2187.43+- 0.7%	26.1	1672
13/ 9/84	NA	50.84+-17.5%	1850.02+- 0.6%	36.4	3479
9/11/84	27.169	ND	1020.13+- 1.0%		4029
<i>Site 1 Sellafield</i>					
<i>Station 51 Ainsdale</i>		<i>53:36:31N 3: 3:56W</i>			
23/ 2/80	29.226	191.16+- 4.4%	2760.60+- 0.3%	14.4	9935
15/ 4/80	30.571	213.28+- 4.0%	3977.21+- 0.2%	18.6	9994
26/ 6/80	31.879	195.15+- 4.5%	3909.42+- 0.2%	20.0	440
18/ 9/80	NA	342.95+- 3.1%	6418.05+- 0.2%	18.7	1561
11/12/80	34.043	374.76+- 2.7%	6349.91+- 0.2%	16.9	1585
18/ 2/81	26.763	327.67+- 3.0%	5785.79+- 0.2%	17.7	1848
30/ 5/81	30.384	232.63+- 3.7%	4824.00+- 0.2%	20.7	1877
2/ 9/81	NA	351.77+- 1.8%	7809.51+- 0.1%	22.2	3014
26/ 2/82	NA	91.01+- 5.2%	2884.04+- 0.2%	31.7	3319
24/ 6/82	NA	224.77+- 6.8%	5187.21+- 0.4%	23.1	4361
26/ 8/82	NA	158.02+- 9.2%	4098.62+- 0.5%	25.9	4411
3/11/82	28.586	69.13+-19.2%	2191.34+- 0.7%	31.7	5185
11/ 2/83	NA	148.86+- 9.6%	3783.24+- 0.5%	25.4	528

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
16/ 5/83	29.093	132.17+-10.2%	3091.61+- 0.6%	23.4	2015
25/ 8/83	31.232	167.11+- 7.8%	4118.52+- 0.5%	24.6	3756
30/12/83	28.388	83.51+-15.4%	2585.05+- 0.6%	31.0	5870
2/ 3/84	22.856	47.72+-26.2%	1357.51+- 1.1%	28.4	1080
11/ 5/84	30.673	96.79+-13.2%	2925.38+- 0.6%	30.2	1674
14/ 9/84	NA	65.70+-13.6%	2477.81+- 0.5%	37.7	3480
9/11/84	30.867	70.50+-18.5%	1984.18+- 0.8%	28.1	4027

Site 1 Sellafield

Station 33 Rossal (Fleetwood)

53:54: 0N 3: 2:55W

23/ 2/80	29.638	243.23+- 3.7%	4351.16+- 0.2%	17.9	9934
15/ 4/80	31.753	219.66+- 3.9%	4095.79+- 0.2%	18.6	9993
27/ 6/80	32.964	436.35+- 2.0%	7129.53+- 0.1%	16.3	445
16/ 9/80	NA	192.62+- 4.8%	4079.27+- 0.2%	21.2	1560
10/12/80	34.297	727.27+- 1.9%	11449.40+- 0.1%	15.7	1584
18/ 2/81	28.622	375.88+- 2.8%	7038.39+- 0.2%	18.7	1847
28/ 5/81	30.128	259.58+- 2.7%	5392.85+- 0.1%	20.8	1876
1/ 9/81	NA	632.48+- 1.1%	12060.06+- 0.1%	19.1	3013
2/12/81	NA	750.32+- 0.9%	14909.20+- 0.1%	19.9	2883
25/ 2/82	NA	94.42+- 5.0%	2298.69+- 0.3%	24.3	3318
22/ 6/82	NA	212.52+- 2.6%	5195.86+- 0.2%	24.4	4360
25/ 8/82	NA	241.03+- 6.2%	5117.33+- 0.4%	21.2	4410
8/11/82	30.163	83.00+-16.1%	2314.18+- 0.7%	27.9	5184
9/ 2/83	NA	214.71+- 6.9%	4627.87+- 0.4%	21.6	525
16/ 5/83	29.370	209.63+- 6.5%	4546.73+- 0.4%	21.7	2014
24/ 8/83	32.136	229.72+- 5.8%	4350.18+- 0.5%	18.9	3751
29/12/83	26.757	107.25+-12.1%	2585.28+- 0.7%	24.1	5869
1/ 3/84	29.758	122.11+-10.5%	2752.67+- 0.6%	22.5	1079
9/ 5/84	31.921	165.68+- 7.6%	3451.48+- 0.5%	20.8	1848
12/ 9/84	NA	77.54+-11.6%	2783.52+- 0.4%	35.9	3481
8/11/84	23.865	73.69+-17.4%	2236.28+- 0.7%	30.3	4028

Site 29 Heysham

Station 2 Half Moon Bay

54: 2:19N 2:54:37W

21/ 2/80	29.180	247.36+- 3.6%	4064.85+- 0.2%	16.4	9953
27/ 6/80	31.308	406.37+- 2.6%	6841.27+- 0.2%	16.8	438
16/ 9/80	NA	593.64+- 2.1%	9300.86+- 0.1%	15.7	1566
10/12/80	33.444	578.77+- 2.1%	9497.13+- 0.1%	16.4	1587
17/ 2/81	28.646	392.18+- 2.6%	6789.22+- 0.2%	17.3	1854
27/ 5/81	31.264	367.51+- 2.7%	7392.57+- 0.2%	20.1	1883
1/ 9/81	NA	757.02+- 1.0%	15108.00+- 0.1%	20.0	2890
2/12/81	NA	429.41+- 1.4%	8661.69+- 0.1%	20.2	2918

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
22/ 6/82	NA	249.62+- 6.4%	6193.14+- 0.4%	24.8	4683
24/ 8/82	NA	372.08+- 4.2%	7714.46+- 0.3%	20.7	4684
8/11/82	29.137	169.32+- 8.7%	4203.03+- 0.5%	24.8	5192
8/ 2/83	NA	158.55+- 9.4%	4134.74+- 0.5%	26.1	527
17/ 5/83	NA	101.52+-13.2%	2890.28+- 0.6%	28.5	1847
23/ 8/83	32.144	152.83+- 6.0%	3781.13+- 0.4%	24.7	3890
21/12/83	27.666	176.27+- 7.6%	4401.45+- 0.5%	25.0	5632
29/ 2/84	28.672	105.78+-12.1%	2885.83+- 0.6%	27.3	1089
9/ 5/84	32.972	169.66+- 7.8%	4389.33+- 0.4%	25.9	1827
11/ 9/84	NA	106.98+- 8.5%	3107.98+- 0.4%	29.1	3478
6/11/84	19.413	86.12+-14.6%	2278.09+- 0.7%	26.5	4034

Site 1 Sellafield

Station 74 Walney West Shore

54: 7: 5N 3:16:17W

21/ 2/80	24.475	201.02+- 4.3%	3302.61+- 0.3%	16.4	9933
16/ 4/80	32.881	331.31+- 2.8%	5078.57+- 0.2%	15.3	9992
27/ 6/80	32.495	567.77+- 2.0%	8367.89+- 0.1%	14.7	442
15/ 9/80	NA	685.63+- 2.0%	10892.60+- 0.1%	15.9	1559
9/12/80	32.279	1011.96+- 1.6%	15644.40+- 0.1%	15.5	1583
16/ 2/81	31.290	400.16+- 2.7%	7475.09+- 0.2%	18.7	1846
26/ 5/81	31.975	394.60+- 2.1%	7293.72+- 0.1%	18.5	1875
31/ 8/81	NA	1536.29+- 1.7%	25206.27+- 0.2%	16.4	3012
23/ 2/82	NA	141.37+- 3.5%	3270.00+- 0.2%	23.1	3317
21/ 6/82	NA	257.85+- 2.2%	6424.85+- 0.2%	24.9	4359
24/ 8/82	NA	558.60+- 3.0%	10680.22+- 0.3%	19.1	4409
30/11/82	NA	361.95+- 0.8%	10074.29+- 0.1%	27.8	3029
8/ 2/83	NA	359.21+- 4.3%	5759.96+- 0.4%	16.0	532
17/ 5/83	30.538	215.65+- 6.4%	4592.12+- 0.4%	21.3	2013
23/ 8/83	32.691	309.18+- 4.4%	5742.08+- 0.4%	18.6	3753
20/12/83	30.842	259.39+- 5.3%	4975.21+- 0.4%	19.2	5638
28/ 2/84	30.651	57.65+-21.8%	1285.19+- 1.1%	22.3	1078
9/ 5/84	32.508	205.86+- 6.5%	4125.98+- 0.5%	20.0	1676
11/ 9/84	NA	148.96+- 6.2%	3473.52+- 0.4%	23.3	3486
6/11/84	31.586	185.91+- 7.2%	3559.72+- 0.5%	19.1	4030

Site 1 Sellafield

Station 52 Silecroft

54:13: 1N 3:20:53W

20/ 2/80	32.076	203.91+- 4.2%	3289.99+- 0.3%	16.1	9932
16/ 4/80	32.930	455.14+- 2.2%	6861.22+- 0.2%	15.1	9991
27/ 6/80	31.938	4322.60+- 1.6%	73753.90+- 0.1%	17.1	437
15/ 9/80	NA	793.66+- 1.9%	11918.70+- 0.1%	15.0	1558
9/12/80	33.847	1058.35+- 1.7%	18032.70+- 0.1%	17.0	1582

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
16/ 2/81	31.164	417.40+- 2.6%	7622.74+- 0.2%	18.3	1845
26/ 5/81	32.454	480.38+- 1.9%	8644.32+- 0.1%	18.0	1874
30/ 8/81	NA	1488.15+- 1.7%	23912.45+- 0.2%	16.1	3011
20/11/81	NA	1125.42+- 0.7%	21381.19+- 0.1%	19.0	3028
22/ 2/82	NA	259.80+- 2.0%	5364.14+- 0.2%	20.6	3316
21/ 6/82	NA	202.95+- 2.7%	5344.50+- 0.2%	26.3	4358
23/ 8/82	NA	471.67+- 3.4%	9146.08+- 0.3%	19.4	4408
7/ 2/83	NA	242.05+- 6.3%	4532.83+- 0.4%	18.7	529
18/ 5/83	31.191	212.60+- 6.5%	4212.72+- 0.5%	19.8	2012
23/ 8/83	32.333	308.77+- 4.4%	5515.28+- 0.4%	17.9	3757
20/12/83	31.870	255.10+- 5.3%	5069.00+- 0.4%	19.9	5637
28/ 2/84	31.126	110.30+-11.6%	2607.93+- 0.6%	23.6	1077
8/ 5/84	32.332	247.28+- 5.5%	4111.94+- 0.5%	16.6	1671
10/ 9/84	NA	140.11+- 6.6%	3482.93+- 0.4%	24.9	3485
5/11/84	30.993	318.54+- 4.5%	5435.36+- 0.4%	17.1	4035
Site 1 Sellafield					
Station 23 Seascale					
54:23:36N 3:29: 6W					
15/ 1/80	31.102	1769.69+- 1.2%	22139.30+- 0.1%	12.5	9911
15/ 2/80	29.606	2113.21+- 1.2%	27452.00+- 0.1%	13.0	9921
15/ 3/80	30.763	836.45+- 1.2%	10501.40+- 0.1%	12.6	9948
15/ 4/80	NA	6602.21+- 1.0%	76114.60+- 0.1%	11.5	25
15/ 5/80	32.673	10505.50+- 1.1%	130519.00+- 0.1%	12.4	71
15/ 6/80	33.218	2113.22+- 1.2%	28573.80+- 0.1%	13.5	72
15/ 7/80	32.496	2433.57+- 1.3%	36142.40+- 0.1%	14.9	417
15/ 8/80	28.916	1751.89+- 1.2%	23586.80+- 0.1%	13.5	427
15/ 9/80	28.837	1636.03+- 1.2%	21627.80+- 0.1%	13.2	474
15/10/80	27.844	1894.36+- 1.3%	27549.40+- 0.1%	14.5	476
15/11/80	31.764	3727.97+- 1.1%	48109.40+- 0.1%	12.9	489
15/12/80	34.115	830.26+- 1.4%	12198.90+- 0.1%	14.7	1078
15/ 1/81	NA	1092.61+- 1.3%	14852.00+- 0.1%	13.6	1505
15/ 2/81	NA	1321.35+- 1.2%	16958.40+- 0.1%	12.8	1600
15/ 3/81	NA	1697.42+- 1.2%	23127.00+- 0.1%	13.6	1806
15/ 4/81	NA	1520.00+- 1.4%	24933.70+- 0.1%	16.4	1867
15/ 5/81	NA	1261.02+- 1.4%	20181.90+- 0.1%	16.0	1865
15/ 6/81	NA	669.10+- 1.6%	11398.10+- 0.1%	17.0	1887
15/ 7/81	32.167	3047.45+- 1.0%	47888.10+- 0.1%	15.7	2429
15/ 8/81	31.468	2298.72+- 1.0%	36170.98+- 0.1%	15.7	2431
15/ 9/81	NA	1175.00+- 0.4%	19117.70+- 0.1%	16.3	2730
25/10/81	30.394	605.87+- 0.6%	11401.06+- 0.1%	18.8	2754
15/11/81	NA	620.80+- 0.7%	10960.11+- 0.1%	17.7	2902
15/12/81	NA	1122.92+- 1.2%	21272.08+- 0.1%	18.9	2900
15/ 1/82	NA	625.03+- 1.6%	11340.04+- 0.2%	18.1	3124
15/ 3/82	NA	693.24+- 0.6%	10923.52+- 0.1%	15.8	3579
15/ 4/82	NA	1248.17+- 0.4%	22227.66+- 0.1%	17.8	4344

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 5/82	NA	1130.33+- 1.0%	20994.06+- 0.1%	18.6	4351
15/ 6/82	NA	626.07+- 0.6%	13032.20+- 0.1%	20.8	4363
15/ 7/82	NA	837.72+- 0.5%	15517.28+- 0.1%	18.5	4620
15/ 8/82	NA	1262.88+- 0.4%	24769.18+- 0.1%	19.6	4398
15/ 9/82	NA	1901.00+- 0.9%	33716.62+- 0.2%	17.7	4909
15/10/82	29.541	572.27+- 1.6%	11525.92+- 0.2%	20.1	4907
15/11/82	30.511	301.84+- 2.6%	6121.92+- 0.3%	20.3	4911
15/12/82	NA	508.41+- 1.8%	10460.45+- 0.2%	20.6	5298
6/ 1/83	34.327	NA	NA		513
13/ 1/83	34.855	NA	NA		514
15/ 1/83	NA	551.09+- 1.7%	12687.22+- 0.2%	23.0	382
20/ 1/83	34.018	NA	NA		515
15/ 2/83	NA	1794.23+- 0.7%	19878.71+- 0.2%	11.1	888
3/ 3/83	31.941	NA	NA		689
10/ 3/83	29.256	NA	NA		853
15/ 3/83	NA	899.47+- 1.0%	12985.39+- 0.2%	14.4	1099
17/ 3/83	29.347	NA	NA		883
24/ 3/83	29.360	NA	NA		907
31/ 3/83	25.143	NA	NA		1065
7/ 4/83	25.324	NA	NA		110
14/ 4/83	31.790	NA	NA		1339
15/ 4/83	NA	1040.40+- 1.0%	18856.61+- 0.2%	18.1	1929
21/ 4/83	31.202	NA	NA		1340
28/ 4/83	30.842	NA	NA		1826
5/ 5/83	31.621	NA	NA		2020
12/ 5/83	29.014	NA	NA		2021
15/ 5/83	NA	504.86+- 1.7%	9492.97+- 0.2%	18.8	2024
26/ 5/83	30.703	NA	NA		2023
2/ 6/83	30.191	NA	NA		2880
9/ 6/83	31.611	NA	NA		2882
15/ 6/83	NA	610.52+- 1.2%	10667.82+- 0.2%	17.5	2885
23/ 6/83	32.029	NA	NA		2871
30/ 6/83	29.401	NA	NA		2872
15/ 7/83	NA	849.81+- 1.1%	14134.11+- 0.2%	16.6	3662
4/ 8/83	32.256	NA	NA		4744
11/ 8/83	32.531	NA	NA		4745
15/ 8/83	NA	565.61+- 1.6%	9895.00+- 0.2%	17.5	4824
18/ 8/83	32.113	NA	NA		4746
1/ 9/83	32.585	NA	NA		4788
8/ 9/83	31.872	NA	NA		4814
15/ 9/83	NA	647.27+- 1.2%	12030.69+- 0.2%	18.6	4826
15/ 9/83	30.566	NA	NA		4816
22/ 9/83	31.567	NA	NA		4817
29/ 9/83	32.415	NA	NA		4818
6/10/83	32.610	NA	NA		4819
13/10/83	27.874	NA	NA		5043
15/10/83	NA	478.28+- 1.7%	9428.18+- 0.2%	19.7	5070
20/10/83	27.574	NA	NA		5044
3/11/83	31.236	NA	NA		5192

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
5/11/83	NA	969.23+-	1.7%	17215.89+-	0.2%	17.8	5263
10/11/83	31.604	NA		NA			5193
17/11/83	31.313	836.29+-	2.5%	11390.87+-	0.3%	13.6	5197
24/11/83	32.358	960.04+-	2.5%	16148.40+-	0.3%	16.8	5194
1/12/83	32.190	NA		NA			5502
8/12/83	31.886	NA		NA			5503
15/12/83	29.726	NA		NA			5504
15/12/83	NA	405.69+-	1.7%	7401.70+-	0.2%	18.2	5997
29/12/83	30.449	NA		NA			5995
5/ 1/84	27.475	NA		NA			204
12/ 1/84	29.915	NA		NA			212
15/ 1/84	NA	201.47+-	3.9%	4170.19+-	0.3%	20.7	239
19/ 1/84	30.163	NA		NA			214
26/ 1/84	34.384	NA		NA			236
2/ 2/84	29.551	NA		NA			545
9/ 2/84	29.327	NA		NA			1091
15/ 2/84	NA	247.07+-	2.9%	4851.21+-	0.3%	19.6	648
16/ 2/84	29.234	NA		NA			1093
23/ 2/84	30.557	NA		NA			1108
1/ 3/84	29.585	NA		NA			1115
15/ 3/84	31.851	NA		NA			1639
15/ 3/84	NA	313.76+-	1.5%	5690.94+-	0.2%	18.1	1644
22/ 3/84	31.854	NA		NA			1640
29/ 3/84	31.387	NA		NA			1642
5/ 4/84	31.142	NA		NA			1649
12/ 4/84	32.045	NA		NA			1650
15/ 4/84	NA	540.09+-	1.1%	8501.92+-	0.2%	15.7	1654
19/ 4/84	31.563	NA		NA			1651
26/ 4/84	31.508	NA		NA			1652
3/ 5/84	31.712	NA		NA			1668
15/ 5/84	NA	355.16+-	1.6%	6215.72+-	0.2%	17.5	2075
15/ 6/84	NA	260.52+-	2.1%	4834.03+-	0.2%	18.6	2763
15/ 7/84	NA	223.71+-	3.3%	4555.02+-	0.3%	20.4	2864
15/ 8/84	NA	421.33+-	1.9%	7000.49+-	0.2%	16.6	3092
15/ 9/84	NA	290.66+-	1.2%	5435.95+-	0.2%	18.7	3501
27/ 9/84	33.117	NA		NA			3500
4/10/84	31.511	NA		NA			3750
11/10/84	30.680	NA		NA			3751
15/10/84	NA	345.05+-	2.3%	5770.57+-	0.3%	16.7	3754
18/10/84	31.855	NA		NA			3752
25/10/84	28.125	NA		NA			3753
1/11/84	33.412	NA		NA			4054
8/11/84	30.893	NA		NA			4055
15/11/84	29.532	NA		NA			4056
15/11/84	NA	273.12+-	2.2%	4721.13+-	0.3%	17.3	3913
15/12/84	NA	108.52+-	5.0%	2506.92+-	0.3%	23.1	4281

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
Site 1 Sellafield							
Station 100 St Bees-W							
				54:29:20N	3:36:26W		
15/ 1/80	31.672	1912.77+- 1.2%		22935.10+- 0.1%		12.0	9912
15/ 2/80	31.428	633.97+- 1.3%		8439.75+- 0.1%		13.3	9922
15/ 3/80	31.137	1069.24+- 1.2%		13398.30+- 0.1%		12.5	9949
15/ 4/80	NA	1097.22+- 1.2%		13484.70+- 0.1%		12.3	26
15/ 5/80	NA	2166.34+- 1.2%		28311.10+- 0.1%		13.1	74
15/ 6/80	32.412	1660.38+- 1.3%		23838.20+- 0.1%		14.4	73
15/ 7/80	32.685	1261.00+- 1.2%		17104.60+- 0.1%		13.6	418
15/ 8/80	31.349	1633.17+- 1.2%		21616.80+- 0.1%		13.2	428
15/ 9/80	31.557	1293.10+- 1.3%		18055.20+- 0.1%		14.0	473
15/10/80	30.877	1526.91+- 1.2%		21473.50+- 0.1%		14.1	475
15/11/80	30.594	1077.60+- 1.2%		14508.90+- 0.1%		13.5	490
15/12/80	35.493	950.56+- 1.3%		13057.90+- 0.1%		13.7	1079
15/ 1/81	NA	1224.75+- 1.3%		16686.80+- 0.1%		13.6	1506
15/ 2/81	NA	426.47+- 1.6%		6400.55+- 0.1%		15.0	1805
15/ 3/81	NA	935.74+- 1.2%		12456.80+- 0.1%		13.3	1807
15/ 4/81	NA	825.19+- 1.5%		13286.80+- 0.1%		16.1	1868
15/ 5/81	NA	1615.25+- 1.4%		25606.70+- 0.1%		15.9	1866
15/ 6/81	NA	868.59+- 1.4%		13471.60+- 0.1%		15.5	1888
15/ 7/81	NA	782.41+- 1.5%		14008.60+- 0.1%		17.9	2430
15/ 8/81	32.125	1251.66+- 1.2%		20674.30+- 0.1%		16.5	2432
15/ 9/81	NA	1719.95+- 0.4%		28423.21+- 0.1%		16.5	2731
25/10/81	31.209	598.67+- 0.6%		11404.71+- 0.1%		19.1	2755
15/11/81	NA	567.44+- 0.7%		10507.49+- 0.1%		18.5	2901
15/12/81	NA	814.02+- 0.5%		15004.70+- 0.1%		18.4	2899
15/ 1/82	NA	1247.29+- 1.1%		23687.92+- 0.1%		19.0	3125
15/ 2/82	NA	680.22+- 0.6%		11434.90+- 0.1%		16.8	3440
15/ 3/82	NA	866.59+- 0.6%		14316.79+- 0.1%		16.5	3580
15/ 4/82	NA	550.24+- 0.6%		10478.97+- 0.1%		19.0	4345
15/ 5/82	NA	1189.09+- 1.0%		22521.15+- 0.1%		18.9	4352
15/ 6/82	NA	1460.03+- 0.4%		25894.64+- 0.1%		17.7	4364
15/ 7/82	NA	1628.20+- 0.4%		30390.67+- 0.1%		18.7	4613
15/ 8/82	NA	1161.47+- 0.4%		20664.44+- 0.1%		17.8	4399
15/ 9/82	NA	979.41+- 1.0%		18126.66+- 0.1%		18.5	4910
15/10/82	31.430	468.90+- 1.8%		8739.22+- 0.2%		18.6	4908
9/11/82	29.245	158.00+- 9.8%		4060.40+- 0.5%		25.7	5187
15/11/82	29.998	488.85+- 1.9%		9670.17+- 0.2%		19.8	4912
15/12/82	NA	512.35+- 1.7%		10212.75+- 0.2%		19.9	5299
6/ 1/83	32.053	NA		NA			384
13/ 1/83	31.885	NA		NA			74
13/ 1/83	34.274	NA		NA			385
15/ 1/83	NA	461.32+- 2.0%		9057.33+- 0.2%		19.6	340
20/ 1/83	34.207	NA		NA			386
27/ 1/83	34.322	NA		NA			387
15/ 2/83	NA	922.29+- 1.1%		9252.60+- 0.2%		10.0	887
3/ 3/83	30.797	NA		NA			781

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
10/ 3/83	30.803	NA	NA		782
15/ 3/83	NA	750.46+- 1.1%	11376.11+- 0.2%	15.2	1098
17/ 3/83	30.103	NA	NA		884
24/ 3/83	31.576	NA	NA		885
31/ 3/83	30.999	NA	NA		886
7/ 4/83	31.395	NA	NA		1100
14/ 4/83	31.933	NA	NA		1101
15/ 4/83	NA	764.16+- 1.2%	14464.01+- 0.2%	18.9	1819
21/ 4/83	29.452	NA	NA		1342
21/ 4/83	30.079	NA	NA		1338
28/ 4/83	28.523	NA	NA		1820
5/ 5/83	31.132	NA	NA		1821
12/ 5/83	30.881	NA	NA		1822
15/ 5/83	NA	353.54+- 2.2%	7211.86+- 0.2%	20.4	2027
19/ 5/83	31.550	NA	NA		2025
2/ 6/83	31.665	NA	NA		2881
9/ 6/83	31.671	NA	NA		2883
14/ 6/83	31.472	NA	NA		2225
15/ 6/83	NA	341.81+- 1.9%	6956.87+- 0.2%	20.4	2884
23/ 6/83	30.049	NA	NA		2869
30/ 6/83	30.185	NA	NA		2870
15/ 7/83	NA	551.02+- 1.6%	10829.63+- 0.2%	19.7	3661
26/ 7/83	27.407	NA	NA		3556
15/ 8/83	NA	378.53+- 2.2%	6512.23+- 0.2%	17.2	4825
1/ 9/83	32.510	NA	NA		4787
8/ 9/83	32.361	NA	NA		4815
15/ 9/83	NA	512.07+- 1.4%	9455.45+- 0.2%	18.5	4827
15/ 9/83	31.954	NA	NA		4820
29/ 9/83	32.337	NA	NA		4822
6/10/83	31.148	NA	NA		4823
13/10/83	33.769	NA	NA		5029
15/10/83	NA	536.54+- 1.6%	10062.39+- 0.2%	18.8	5069
20/10/83	30.965	NA	NA		5030
27/10/83	31.336	NA	NA		5042
3/11/83	31.526	NA	NA		5180
5/11/83	NA	409.32+- 3.5%	8103.65+- 0.3%	19.8	5264
10/11/83	31.819	NA	NA		5181
17/11/83	32.423	381.92+- 4.4%	6571.49+- 0.4%	17.2	5182
24/11/83	32.549	238.40+- 6.8%	4579.46+- 0.5%	19.2	5183
1/12/83	31.465	NA	NA		5499
8/12/83	32.068	NA	NA		5500
15/12/83	NA	417.43+- 1.7%	7509.45+- 0.2%	18.0	5996
15/12/83	30.930	NA	NA		5501
20/12/83	31.381	NA	NA		5634
29/12/83	30.247	NA	NA		5993
5/ 1/84	29.144	NA	NA		203
8/ 1/84	31.780	NA	NA		222
12/ 1/84	29.855	NA	NA		211
15/ 1/84	NA	188.18+- 3.8%	4007.61+- 0.3%	21.3	238

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
19/ 1/84	30.774	NA	NA		213
23/ 1/84	30.024	NA	NA		219
26/ 1/84	31.456	NA	NA		235
2/ 2/84	30.092	NA	NA		544
9/ 2/84	19.016	NA	NA		1090
15/ 2/84	NA	191.26+- 3.7%	3742.70+- 0.3%	19.6	647
16/ 2/84	30.146	NA	NA		1092
23/ 2/84	30.911	NA	NA		1107
1/ 3/84	31.306	NA	NA		1113
8/ 3/84	29.550	NA	NA		1114
15/ 3/84	32.069	NA	NA		1637
15/ 3/84	NA	180.49+- 2.4%	3543.96+- 0.2%	19.6	1643
22/ 3/84	31.764	NA	NA		1638
29/ 3/84	31.962	NA	NA		1641
5/ 4/84	31.835	NA	NA		1645
12/ 4/84	31.602	NA	NA		1646
15/ 4/84	NA	241.03+- 2.2%	3913.23+- 0.2%	16.2	1653
19/ 4/84	30.962	NA	NA		1647
26/ 4/84	30.486	NA	NA		1648
3/ 5/84	33.651	NA	NA		1669
10/ 5/84	32.089	NA	NA		1670
15/ 5/84	NA	150.67+- 3.3%	2922.37+- 0.3%	19.4	2076
16/ 5/84	32.464	NA	NA		2049
15/ 6/84	NA	104.44+- 4.9%	2393.69+- 0.3%	22.9	2766
15/ 7/84	NA	137.96+- 5.1%	2948.60+- 0.4%	21.4	2865
15/ 8/84	NA	271.50+- 2.3%	4846.37+- 0.3%	17.9	3093
15/ 9/84	NA	109.57+- 2.6%	2419.29+- 0.2%	22.1	3510
4/10/84	31.900	NA	NA		3759
11/10/84	32.671	NA	NA		3760
15/10/84	NA	366.80+- 2.2%	6090.72+- 0.3%	16.6	3861
18/10/84	32.738	NA	NA		3761
25/10/84	31.082	NA	NA		3762
1/11/84	30.244	NA	NA		4049
8/11/84	30.421	NA	NA		4050
15/11/84	31.952	NA	NA		4051
15/11/84	NA	248.58+- 2.4%	4576.30+- 0.3%	18.4	3914
22/11/84	31.840	NA	NA		4052
29/11/84	30.221	NA	NA		4053
15/12/84	NA	287.26+- 2.4%	5567.52+- 0.2%	19.4	4280

Site 1 Sellafield

Station 39 W/A Shore

54:33: 1N 3:35:56W

17/ 2/80	31.250	1059.20+- 1.5%	14025.60+- 0.1%	13.2	9931
16/ 4/80	31.464	432.70+- 2.3%	6764.15+- 0.2%	15.6	9990
16/ 5/80	32.610	719.13+- 2.0%	12099.90+- 0.1%	16.8	429
15/ 8/80	31.151	760.90+- 1.7%	11016.00+- 0.1%	14.5	450
15/ 9/80	NA	883.33+- 1.8%	13069.80+- 0.1%	14.8	1557
24/11/80	34.401	764.99+- 1.7%	10793.70+- 0.1%	14.1	1574

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
16/ 2/81	30.989	579.33+- 2.1%	10049.50+- 0.1%	17.3	1844
26/ 5/81	31.246	1261.62+- 1.4%	20205.10+- 0.1%	16.0	1873
20/11/81	NA	205.57+- 2.7%	4586.60+- 0.2%	22.3	3027
22/ 2/82	NA	618.94+- 1.0%	11357.30+- 0.1%	18.3	3315
21/ 6/82	32.713	502.97+- 3.5%	10501.01+- 0.3%	20.9	5293
23/ 8/82	NA	293.77+- 5.2%	7096.32+- 0.3%	24.2	4407
9/11/82	30.800	473.62+- 3.2%	9169.01+- 0.3%	19.4	5181
7/ 2/83	NA	115.40+-12.3%	3477.40+- 0.5%	30.1	533
18/ 5/83	31.382	308.23+- 4.6%	6187.38+- 0.4%	20.1	1966
22/ 8/83	32.775	342.91+- 4.0%	5805.50+- 0.4%	16.9	3752
20/12/83	32.352	249.92+- 5.4%	4874.53+- 0.4%	19.5	5639
27/ 2/84	31.254	145.32+- 8.9%	2989.83+- 0.6%	20.6	1074
8/ 5/84	31.555	92.57+-13.8%	2549.95+- 0.7%	27.5	1675
10/ 9/84	NA	57.57+-15.6%	2262.00+- 0.5%	39.3	3484
5/11/84	28.886	365.92+- 3.9%	6307.16+- 0.4%	17.2	4033

Site 1 Sellafield

Station 15 Maryport Shore

54:44:30N 3:27:26W

17/ 2/80	25.005	627.14+- 1.9%	8363.92+- 0.1%	13.3	9928
16/ 4/80	28.549	434.62+- 2.4%	6964.38+- 0.2%	16.0	9989
16/ 5/80	32.314	414.83+- 2.6%	6704.93+- 0.2%	16.2	430
09/ 8/80	24.748	223.69+- 3.9%	4281.01+- 0.2%	19.1	451
18/11/80	33.152	321.23+- 3.0%	5465.77+- 0.2%	17.0	1572
16/ 2/81	27.352	404.67+- 2.6%	7336.31+- 0.2%	18.1	1843
26/ 5/81	31.106	739.68+- 1.6%	12752.70+- 0.1%	17.2	1872
30/ 8/81	NA	236.90+- 8.7%	5816.06+- 0.4%	24.6	3010
30/11/81	NA	205.61+- 2.6%	4225.88+- 0.2%	20.6	3026
22/ 2/82	NA	616.89+- 1.0%	12465.36+- 0.1%	20.2	3314
21/ 6/82	NA	255.23+- 2.2%	5972.44+- 0.2%	23.4	4357
23/ 8/82	NA	190.18+- 7.8%	5530.97+- 0.4%	29.1	4406
9/11/82	28.570	408.50+- 3.6%	7930.01+- 0.3%	19.4	5167
7/ 2/83	NA	61.97+-22.5%	2166.47+- 0.7%	35.0	531
19/ 5/83	29.462	295.97+- 4.8%	6528.42+- 0.4%	22.1	1965
22/ 8/83	32.197	NA	NA		3754
20/12/83	30.090	191.89+- 6.9%	4061.01+- 0.5%	21.2	5640
27/ 2/84	27.675	94.70+-13.5%	2548.44+- 0.7%	26.9	1075
8/ 5/84	31.207	85.03+-15.0%	2936.46+- 0.6%	34.5	1677
10/ 9/84	NA	69.77+-12.9%	2640.55+- 0.4%	37.8	3483
5/11/84	33.299	133.49+- 9.8%	2917.51+- 0.6%	21.9	4032

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
<i>Site 1 Sellafield</i>					
<i>Station 53 Silloth</i>					
<i>54:53: 1N 3:22:41W</i>					
17/ 2/80	23.638	353.45+- 2.7%	5321.02+- 0.2%	15.1	9927
16/ 4/80	28.026	322.21+- 2.8%	5277.89+- 0.2%	16.4	9988
16/ 5/80	31.878	281.79+- 3.4%	4787.99+- 0.2%	17.0	431
9/ 8/80	28.438	246.27+- 3.6%	4870.76+- 0.2%	19.8	448
18/11/80	33.122	223.83+- 4.0%	4160.08+- 0.2%	18.6	1571
16/ 2/81	25.248	217.86+- 4.1%	4540.44+- 0.2%	20.8	1842
26/ 5/81	29.521	391.51+- 2.1%	7443.34+- 0.1%	19.0	1871
29/ 8/81	NA	203.93+-10.0%	6019.00+- 0.4%	29.5	2876
30/11/81	NA	196.22+- 2.7%	4355.73+- 0.2%	22.2	3025
22/ 2/82	NA	452.83+- 1.3%	9711.71+- 0.1%	21.4	3313
21/ 6/82	NA	317.72+- 5.0%	7685.56+- 0.3%	24.2	4356
23/ 8/82	NA	208.61+- 7.2%	5277.08+- 0.4%	25.3	4405
9/11/82	25.337	249.53+- 5.6%	5107.23+- 0.4%	20.5	5166
7/ 2/83	NA	61.55+-22.7%	1903.89+- 0.8%	30.9	530
19/ 5/83	22.263	117.73+-11.3%	3385.26+- 0.5%	28.8	1964
22/ 8/83	30.583	136.34+- 6.7%	4044.42+- 0.3%	29.7	3755
20/12/83	27.853	133.62+- 9.8%	3271.92+- 0.6%	24.5	5641
27/ 2/84	24.410	76.87+-16.5%	1982.36+- 0.8%	25.8	1076
8/ 5/84	28.831	74.36+-17.1%	2633.89+- 0.6%	35.4	1673
10/ 9/84	NA	39.66+-22.4%	1930.99+- 0.6%	48.7	3482
5/11/84	25.855	60.82+-21.5%	2139.21+- 0.7%	35.2	4031
<i>Site 1 Sellafield</i>					
<i>Station 54 Southerness</i>					
<i>54:52:22N 3:35:40W</i>					
15/ 2/80	23.547	330.65+- 2.8%	4742.38+- 0.2%	14.3	9926
17/ 4/80	29.041	384.24+- 2.5%	6280.40+- 0.2%	16.3	9987
15/ 5/80		266.02+- 3.6%	4933.39+- 0.2%	18.5	432
8/ 8/80	26.054	219.94+- 3.9%	4382.27+- 0.2%	19.9	462
19/11/80	31.899	168.04+- 5.0%	2916.26+- 0.3%	17.4	1570
17/ 3/81	24.492	325.12+- 2.3%	5642.97+- 0.1%	17.4	1870
27/ 6/81	NA	373.25+- 1.8%	8022.75+- 0.1%	21.5	2870
29/ 8/81	NA	205.70+- 9.9%	6062.67+- 0.4%	29.5	2875
13/11/81	NA	208.77+- 2.6%	4906.38+- 0.2%	23.5	3024
12/ 2/82	NA	194.52+- 2.6%	4070.47+- 0.2%	20.9	3250
4/ 6/82	NA	98.81+- 5.3%	3313.96+- 0.2%	33.5	4350
20/ 8/82	NA	180.97+- 8.2%	5107.60+- 0.4%	28.2	4404
16/11/82	22.471	129.47+-10.4%	2985.74+- 0.6%	23.1	5165
4/ 3/83	29.588	50.12+-27.2%	1813.25+- 0.8%	36.2	824
23/ 5/83	25.682	131.01+-10.2%	3627.94+- 0.5%	27.7	1963

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
12/ 8/83	32.248	63.34+-20.1%	2074.41+- 0.8%	32.8	3650
18/11/83	27.961	158.28+- 8.1%	3633.07+- 0.5%	23.0	5202
13/ 2/84	18.508	50.90+-24.6%	1478.04+- 1.0%	29.0	636
2/ 6/84	NA	76.17+-14.0%	2145.77+- 0.7%	28.2	2070
18/ 8/84	NA	25.07+-50.0%	2379.44+- 0.7%	94.9	2950
29/11/84	26.580	62.20+-20.1%	2227.91+- 0.7%	35.8	4062
<i>Site 1 Sellafield</i>					
<i>Station 57 Ross Bay</i>					
<i>54:46:35N 4: 5:46W</i>					
26/ 6/81	NA	277.13+- 2.3%	5926.95+- 0.2%	21.4	2867
28/ 8/81	NA	80.65+- 6.7%	2887.78+- 0.2%	35.8	2874
13/11/81	NA	262.00+- 2.2%	5052.65+- 0.2%	19.3	3023
12/ 2/82	NA	334.31+- 1.6%	6482.48+- 0.2%	19.4	3249
4/ 6/82	NA	161.15+- 3.4%	4691.46+- 0.2%	29.1	4349
20/ 8/82	NA	140.85+-10.4%	3761.17+- 0.5%	26.7	4403
4/ 3/83	30.126	40.45+-33.5%	1297.15+- 1.1%	32.1	825
22/ 5/83	25.043	130.99+-10.2%	3599.33+- 0.5%	27.5	1962
12/ 8/83	32.152	108.59+-11.9%	3201.97+- 0.6%	29.5	3649
17/11/83	29.720	162.15+- 7.9%	2969.71+- 0.6%	18.3	5201
11/ 2/84	13.110	ND	786.60+- 1.2%		635
1/ 6/84	NA	36.01+-29.1%	1006.00+- 1.2%	27.9	2069
17/ 8/84	NA	21.00+-42.6%	1229.14+- 0.8%	58.5	2949
30/11/84	10.057	88.53+-14.6%	2282.39+- 0.7%	25.8	4064
<i>Site 1 Sellafield</i>					
<i>Station 4 Isle of Whithorn</i>					
<i>54:41:59N 4:21:32W</i>					
14/ 2/80	28.924	607.43+- 1.9%	8567.56+- 0.1%	14.1	9925
18/ 4/80	31.941	200.37+- 4.1%	3035.12+- 0.3%	15.1	9985
15/ 5/80	31.263	190.09+- 4.3%	3185.29+- 0.3%	16.8	434
7/ 8/80	27.837	211.09+- 3.1%	3769.44+- 0.2%	17.9	449
19/11/80	34.480	195.08+- 4.4%	3796.31+- 0.2%	19.5	1569
18/ 3/81	31.262	226.87+- 3.8%	3915.56+- 0.2%	17.3	1857
25/ 6/81	NA	80.67+- 7.1%	2647.06+- 0.3%	32.8	2868
27/ 8/81	33.038	63.45+- 8.4%	2436.00+- 0.3%	38.4	2873
12/11/81	NA	90.15+- 5.7%	2363.22+- 0.3%	26.2	3022
11/ 2/82	NA	168.47+- 3.0%	3366.65+- 0.2%	20.0	3248
3/ 6/82	NA	65.89+- 7.8%	2928.90+- 0.2%	44.5	4348
20/ 8/82	NA	55.54+-25.7%	2150.69+- 0.7%	38.7	4402
17/11/82	17.378	55.49+-23.5%	1650.84+- 0.9%	29.7	5163
3/ 3/83	18.136	30.92+-43.7%	856.62+- 1.6%	27.7	827
22/ 5/83	30.789	159.68+- 8.4%	4063.46+- 0.5%	25.4	1961

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
11/ 8/83	33.697	26.43+-47.4%	1166.66+- 1.2%	44.1	3648
17/11/83	30.229	151.30+- 8.5%	3170.75+- 0.6%	21.0	5200
10/ 2/84	31.748	51.73+-24.3%	1623.38+- 0.9%	31.4	634
1/ 6/84	NA	37.64+-55.3%	944.63+- 2.3%	25.1	2068
17/ 8/84	NA	ND	714.73+- 0.9%		2948
30/11/84	31.528	61.33+-20.4%	1596.10+- 0.9%	26.0	4063
Site 1 Sellafield					
Station 2 Drummore					
54:41:30N 4:53:16W					
27/ 8/81	NA	60.75+- 8.9%	1810.57+- 0.3%	29.8	2872
12/11/81	NA	90.18+- 5.7%	2334.33+- 0.3%	25.9	3021
11/ 2/82	NA	78.02+- 6.0%	1974.45+- 0.3%	25.3	3247
3/ 6/82	NA	42.39+-11.9%	2076.24+- 0.3%	49.0	4347
20/ 8/82	NA	34.93+-40.5%	1663.81+- 0.9%	47.6	4401
17/11/82	9.091	ND	697.34+- 1.3%		5162
3/ 3/83	31.472	39.26+-34.6%	908.90+- 1.5%	23.1	826
21/ 5/83	32.406	52.55+-24.7%	1906.21+- 0.8%	36.3	1960
11/ 8/83	33.909	22.44+-55.8%	1296.24+- 1.1%	57.8	3647
16/11/83	32.975	82.12+-15.2%	1755.18+- 0.9%	21.4	5199
10/ 2/84	30.798	ND	988.34+- 1.0%		633
31/ 5/84	NA	47.04+-22.5%	791.18+- 1.5%	16.8	2067
16/ 8/84	NA	ND	694.52+- 1.3%		2947
1/12/84	33.445	25.45+-48.4%	953.69+- 1.4%	37.5	4065
Site 1 Sellafield					
Station 56 Portpartrick					
54:50:23N 5: 7: 5W					
14/ 2/80	32.851	170.27+- 3.7%	2743.02+- 0.2%	16.1	9923
14/ 2/80	32.274	271.04+- 2.6%	4174.38+- 0.2%	15.4	9924
18/ 4/80	33.788	86.00+- 6.3%	1456.11+- 0.3%	16.9	9983
18/ 4/80	33.086	183.63+- 3.3%	3026.69+- 0.2%	16.5	9984
14/ 5/80	34.101	48.20+-11.9%	1249.91+- 0.4%	25.9	436
14/ 5/80	33.857	112.89+- 7.5%	2235.50+- 0.4%	19.8	435
7/ 8/80	33.427	53.28+-14.1%	1377.65+- 0.5%	25.9	447
7/ 8/80	32.584	100.60+- 7.7%	1833.09+- 0.4%	18.2	461
20/11/80	NA	395.42+- 2.6%	6751.80+- 0.2%	17.1	1567
20/11/80	34.153	156.06+- 5.3%	2660.07+- 0.3%	17.0	1568
18/ 3/81	32.583	92.86+- 8.3%	1803.36+- 0.4%	19.4	1855
18/ 3/81	31.962	220.11+- 3.9%	3978.29+- 0.2%	18.1	1856
25/ 6/81	NA	43.40+-13.0%	1547.13+- 0.4%	35.6	2869
27/ 8/81	34.683	17.82+-29.4%	1372.73+- 0.4%	77.0	2871
12/11/81	NA	54.00+- 9.2%	1538.58+- 0.4%	28.5	3020

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
11/ 2/82	NA	99.27+- 4.8%	1947.00+- 0.3%	19.6	3246
3/ 6/82	NA	76.80+- 6.7%	2464.55+- 0.3%	32.1	4346
20/ 8/82	NA	24.91+-56.6%	1081.13+- 1.3%	43.4	4400
17/11/82	32.976	72.27+-18.1%	1989.92+- 0.8%	27.5	4920
3/ 3/83	32.499	31.29+-44.2%	1053.42+- 1.3%	33.7	823
21/ 5/83	33.160	44.39+-29.1%	1420.67+- 1.0%	32.0	1959
11/ 8/83	33.081	ND	786.06+- 1.4%		3646
16/11/83	31.786	ND	912.46+- 1.1%		5198
9/ 2/84	32.273	ND	785.20+- 1.2%		632
31/ 5/84	NA	ND	501.01+- 1.6%		2066
16/ 8/84	NA	ND	596.97+- 1.1%		2946
1/12/84	33.579	ND	903.91+- 1.1%		4066
Site 10 Hunterston					
Station 6 Fish Farm 1					
55:43:25N 4:53:42W					
10/ 2/80	32.515	139.17+- 3.2%	1564.51+- 0.3%	11.2	9904
13/ 5/80	33.021	98.91+- 2.9%	1425.89+- 0.2%	14.4	24
26/ 8/81	32.627	268.14+- 4.0%	2335.43+- 0.5%	8.7	2433
11/11/81	31.294	39.56+- 5.4%	1086.97+- 0.3%	27.5	2756
10/ 2/82	NA	81.30+- 2.9%	1332.35+- 0.3%	16.4	3251
19/ 8/82	NA	1875.00+- 0.7%	6906.65+- 0.5%	3.7	4685
19/11/82	31.199	49.86+-14.2%	1196.55+- 0.7%	24.0	5191
2/ 3/83	32.632	13.90+-50.1%	917.99+- 0.8%	66.0	828
21/ 5/83	32.633	NA	NA		1851
8/ 8/83	33.053	17.66+-39.7%	755.04+- 1.1%	42.8	3651
16/11/83	32.680	44.19+-15.7%	964.86+- 0.9%	21.8	5195
9/ 2/84	31.791	15.62+-44.3%	795.44+- 1.0%	50.9	637
31/ 5/84	NA	31.71+-18.6%	612.80+- 1.1%	19.3	2077
Site 10 Hunterston					
Station 17 Fish Farm 2					
55:43:22N 4:53:59W					
16/ 8/84	NA	ND	540.28+- 0.7%		2951
4/12/84	31.504	60.82+-11.9%	802.16+- 1.0%	13.2	4068
Site 10 Hunterston					
Station 18 Rearing Tank Inlet (Beach) 55:42:59N 4:54: 9W					
4/12/84	30.826	112.83+- 6.6%	927.53+- 1.0%	8.2	4067

ANNEX 1. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
shoreline sampling, 1980-84

Collection date	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 15 Dounreay					
Station 110 Sandside Bay			58:34:12N 3:47:30W		
19/ 3/83	NA	ND	340.35+- 1.2%		6162
20/ 6/83	NA	ND	261.41+- 1.4%		6163
20/ 9/83	NA	ND	312.54+- 1.3%		6164
15/12/83	NA	ND	626.96+- 0.8%		6165
30/ 3/84	NA	ND	581.30+- 0.7%		4698
28/ 6/84	NA	ND	266.00+- 1.4%		4699
20/ 9/84	NA	ND	130.40+- 2.3%		4745
19/12/84	NA	ND	164.90+- 2.0%		4746

**ANNEX 2. CONCENTRATIONS OF ^{134}Cs AND ^{137}Cs IN FILTERED
SEAWATER (Bq m^{-3}): ROUTINE OFFSHORE SAMPLING,
1980-84**

ANNEX 2. Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 48 DAFS water samples							
Station 3 Fair Isle 59:30:00N 2:00:00W							
20/ 4/82		3	NA	5.80+-29.7%	233.25+- 0.7%	40.2	4377
11/ 5/82		3	35.055	8.84+- 8.8%	112.01+- 1.3%	12.7	4461
19/ 5/82		3	34.081	13.92+-12.1%	207.61+- 0.8%	14.9	4467
7/ 6/82		3	34.657	11.36+-14.5%	273.30+- 0.6%	24.1	4465
26/ 6/82		3	34.907	ND	176.98+- 1.7%		4949
27/ 8/82		3	35.112	ND	95.21+- 2.8%		4950
23/ 9/82		3	34.988	ND	112.30+- 2.5%		4951
24/11/82		3	34.977	ND	77.52+- 3.5%		5331
11/12/82		3	NA	4.93+-47.0%	111.85+- 1.9%	22.7	5464
9/ 3/83		3	35.119	ND	70.48+- 2.6%		2453
28/ 3/83		3	35.216	ND	32.85+- 5.5%		2400
19/ 4/83		3	35.103	ND	62.06+- 2.9%		2401
2/ 6/83		3	34.925	ND	88.68+- 2.2%		2452
5/ 7/83		3	35.033	ND	105.14+- 2.8%		3299
8/ 7/83		3	35.070	ND	97.80+- 2.1%		5881
22/ 8/83		3	34.934	ND	127.02+- 2.3%		5087
15/ 9/83		3	35.071	ND	97.57+- 2.9%		5088
13/10/83		3	35.017	ND	111.92+- 2.6%		5112
27/10/83		3	34.777	ND	191.40+- 1.7%		5092
3/ 3/84		3	NA	ND	32.68+- 5.7%		3307
19/ 5/84		3	NA	ND	67.09+- 2.9%		3308
7/ 7/84		3	35.092	ND	53.10+- 4.9%		3306
21/ 8/84		3	34.827	ND	74.48+- 2.3%		4779
24/ 9/84		3	35.317	ND	31.72+- 5.7%		4192
13/10/84		3	35.111	13.77+-38.1%	70.54+- 6.5%	5.1	4184
9/11/84		3	35.280	ND	53.81+- 5.1%		4191
Site 48 DAFS water samples							
Station 4 Buckie 57:49:00N 2:58:00W							
23/ 2/82		3	NA	5.50+-33.0%	195.82+- 0.8%	35.6	4378
10/ 5/82		3	34.309	12.23+-13.9%	258.02+- 0.6%	21.1	4463
20/ 5/82		3	34.427	10.42+-16.0%	279.21+- 0.6%	26.8	4464
16/ 6/82		3	33.887	12.54+-40.4%	294.86+- 1.6%	23.5	4952
23/ 6/82		3	34.363	ND	296.78+- 1.1%		4953
31/ 8/82		3	34.739	ND	197.91+- 1.6%		5013
6/ 9/82		3	34.511	ND	237.72+- 1.3%		4954
23/ 1/83		3	33.702	12.06+-28.8%	198.82+- 1.6%	16.5	282
11/ 2/83		3	33.785	11.61+-28.3%	183.00+- 1.7%	15.8	2396
19/ 2/83		3	34.478	6.01+-53.9%	246.94+- 1.3%	41.1	2399
6/ 4/83		3	34.260	7.25+-44.4%	191.80+- 1.6%	26.5	2446
24/ 5/83		3	33.163	10.27+-30.1%	187.83+- 1.7%	18.3	2448
4/ 6/83		3	34.242	9.34+-24.6%	178.20+- 1.3%	19.1	2457
2/ 8/83		3	34.808	ND	159.71+- 1.9%		3296

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
30/ 8/83		3	34.785	ND	166.44+- 1.5%		5109
8/ 9/83		3	34.176	ND	156.36+- 2.2%		5091
25/10/83		3	34.878	ND	162.78+- 1.9%		5085
25/11/83		3	34.813	ND	156.86+- 1.4%		5919
21/12/83		3	34.554	ND	211.48+- 1.1%		5916
9/ 1/84		3	34.505	9.91+-57.4%	169.70+- 2.7%	17.1	3271
16/ 2/84		3	33.857	6.65+-59.3%	139.61+- 2.3%	21.0	3273
26/ 4/84		3	32.974	ND	99.25+- 2.1%		3272
7/ 6/84		3	NA	ND	101.49+- 2.8%		3274
19/ 6/84		3	32.960	ND	98.08+- 2.9%		3270
22/ 7/84		3	34.831	7.16+-45.4%	92.30+- 3.2%	12.9	3268
31/ 7/84		3	34.791	ND	98.78+- 2.0%		3269
12/ 9/84		3	34.871	5.46+-57.8%	93.78+- 3.2%	17.2	3642
12/10/84		3	34.441	ND	81.22+- 3.8%		4183
9/11/84		3	34.018	ND	80.94+- 2.5%		4187
3/12/84		3	34.562	ND	75.60+- 4.0%		4729
Site 48 DAFS water samples							
Station 5 Aberdeen							
				57:10:00N	1:55:00W		
6/ 2/82		3	NA	ND	176.69+- 0.7%		4379
17/ 3/82		3	NA	ND	156.90+- 0.8%		4380
22/ 4/82		3	34.139	18.00+- 9.7%	221.14+- 0.7%	12.3	4457
12/ 5/82		3	34.180	5.63+-29.5%	242.52+- 0.7%	43.1	4458
7/ 7/82		3	34.397	ND	303.54+- 1.1%		4955
7/ 7/82		3	34.451	ND	301.14+- 1.1%		4956
22/ 8/82		3	34.270	9.60+-49.5%	252.98+- 1.8%	26.3	4957
20/ 9/82		3	34.601	14.88+-32.4%	225.89+- 2.0%	15.2	4993
18/10/82		3	32.717	ND	201.13+- 1.5%		4958
11/11/82		3	34.596	5.56+-41.9%	190.78+- 1.1%	34.3	5332
16/12/82		3	34.129	8.25+-27.0%	168.25+- 1.3%	20.4	5334
13/ 1/83		3	34.087	6.63+-50.5%	169.89+- 1.8%	25.6	281
24/ 2/83		3	34.275	ND	181.99+- 1.2%		2397
24/ 3/83		3	34.380	ND	185.61+- 1.2%		2405
20/ 4/83		3	34.577	ND	180.07+- 1.2%		2451
25/ 5/83		3	34.142	6.96+-44.2%	182.43+- 1.7%	26.2	2447
8/ 6/83		3	34.236	7.91+-24.3%	178.00+- 1.1%	22.5	2459
7/ 7/83		3	34.583	ND	155.61+- 2.0%		3351
17/ 8/83		3	34.777	ND	158.03+- 2.0%		5086
19/ 9/83		3	34.707	ND	161.81+- 1.4%		5107
17/10/83		3	34.647	ND	153.27+- 1.4%		5115
3/11/83		3	34.652	ND	156.01+- 2.0%		5090
7/12/83		3	34.571	ND	147.15+- 1.5%		5913
9/ 1/84		3	34.244	11.88+-48.9%	188.77+- 2.5%	15.9	3264
2/ 2/84		3	34.369	ND	159.55+- 1.9%		3258
23/ 2/84		3	NA	ND	153.59+- 1.4%		3263
12/ 4/84		3	NA	ND	115.45+- 1.8%		3266

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
22/ 5/84		3	NA	8.70+-58.9%	98.15+- 4.5%	11.3	3262
14/ 6/84		3	34.503	9.92+-49.7%	99.02+- 4.4%	10.0	3261
6/ 7/84		3	32.363	ND	98.58+- 1.5%		3259
22/ 8/84		3	34.662	5.44+-59.1%	96.89+- 3.1%	17.8	3260
31/ 8/84		3	34.770	7.41+-43.6%	98.66+- 3.1%	13.3	3265
11/10/84		3	34.880	ND	86.06+- 3.3%		4190
8/11/84		3	35.002	8.21+-54.0%	77.13+- 3.6%	9.4	4193
Site 48 DAFS water samples							
Station 6 Arbroath 56:32:00N 2:20:00W							
7/ 2/82		3	NA	3.16+-58.0%	146.12+- 1.0%	46.3	4381
3/ 5/82		3	34.278	13.26+-13.2%	204.82+- 0.8%	15.5	4466
24/ 6/82		3	34.192	ND	243.98+- 1.3%		4989
11/ 8/82		2	34.377	ND	290.54+- 1.2%		4990
20/ 8/82		3	34.412	9.96+-51.7%	285.36+- 1.7%	28.7	4991
15/ 9/82		3	34.510	9.97+-48.4%	226.14+- 2.0%	22.7	4992
29/11/82		3	NA	9.59+-24.6%	214.82+- 1.0%	22.4	5465
13/ 1/83		3	34.082	9.59+-36.4%	190.97+- 1.7%	19.9	280
23/ 3/83		3	34.351	ND	164.03+- 2.3%		2403
26/ 3/83		3	34.348	ND	183.37+- 1.2%		2404
26/ 7/83		3	34.519	ND	161.42+- 1.9%		3297
7/ 9/83		3	34.733	ND	160.31+- 1.4%		5110
9/ 9/83		3	34.754	ND	163.01+- 1.9%		5094
2/10/83		3	34.685	7.86+-41.7%	162.75+- 2.0%	20.7	5116
13/11/83		3	34.596	ND	149.68+- 2.0%		5920
19/ 1/84		3	34.345	9.39+-60.4%	192.91+- 2.4%	20.5	3312
8/ 3/84		3	34.404	11.81+-47.0%	178.63+- 1.7%	15.1	3643
13/ 3/84		3	34.190	ND	168.66+- 2.0%		3309
2/ 5/84		3	33.749	ND	146.42+- 2.1%		3311
5/ 8/84		3	34.422	8.60+-55.7%	112.58+- 3.9%	13.1	3310
17/ 9/84		3	34.560	NA	NA		4778
6/10/84		3	34.238	ND	99.88+- 2.9%		4189
16/12/84		3	34.140	ND	77.41+- 1.9%		4728
Site 37 File C							
Station 11 JONSIS 1 54:14:00N 0:02:00E							
18/ 1/80		3	33.962	23.81+-12.8%	365.59+- 0.7%	15.4	9415
11/ 2/80		3	34.319	19.69+-14.5%	389.10+- 0.6%	19.8	9496
31/ 3/80		3	NA	25.11+- 6.0%	385.75+- 0.4%	15.4	9975
4/ 7/80		3	34.072	13.97+-13.8%	305.19+- 0.6%	21.9	100
3/ 8/80		3	NA	17.49+-12.9%	287.01+- 0.6%	16.4	1087

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 37 File C							
Station 12 JONSIS 2 54:23:00N 1:06:00E							
19/ 1/80		3	34.669	32.69+- 9.5%	294.53+- 0.8%	9.0	9416
12/ 2/80		3	34.713	17.45+-16.6%	302.21+- 0.8%	17.3	9497
31/ 3/80		3	NA	18.63+- 4.2%	351.66+- 0.2%	18.9	9976
14/ 7/80		3	34.447	8.88+-21.5%	343.22+- 0.5%	38.7	400
3/ 8/80		3	NA	25.71+- 8.9%	320.75+- 0.5%	12.5	1088
20/ 9/80		3	NA	14.05+-12.8%	281.73+- 0.5%	20.1	1838
Site 16 U.K. Survey							
Station 67 Lowestoft (Boat) 52:29:00N 1:46:00E							
17/11/81		1	NA	ND	162.68+- 0.9%		2743
Site 22 Channel Islands							
Station 218 Jersey, Ecrehos 49:17:15N 2:00:00W							
11/ 1/80		1	NA	ND	13.60+- 2.7%		9913
10/ 4/80		1	NA	ND	11.57+- 3.1%		9940
7/ 7/80		1	NA	ND	8.33+- 4.2%		96
17/10/80		1	NA	ND	8.87+- 3.9%		469
24/ 7/81		1	NA	ND	13.78+- 3.7%		2441
22/10/81		1	NA	ND	22.17+- 2.4%		2728
2/ 2/82		1	NA	ND	25.91+- 1.0%		3168
20/ 4/82		1	NA	ND	27.87+- 2.6%		3581
25/10/82		1	NA	ND	17.59+- 3.7%		5141
11/ 1/83		1	NA	ND	11.90+- 5.3%		198
21/ 4/83		1	NA	ND	18.74+- 2.4%		1500
18/ 8/83		1	NA	ND	16.46+- 2.7%		3589
13/12/83		1	NA	ND	15.68+- 8.1%		5651
12/ 3/84		1	NA	ND	14.73+- 4.4%		1058
14/ 5/84		1	NA	ND	17.01+- 3.8%		2029
17/ 7/84		1	NA	ND	15.51+- 2.8%		2788
15/10/84		1	NA	ND	17.13+- 3.8%		3774
Site 37 File C							
Station 7 Swansea-Cork St B 51:39:00N 5:17:00W							
15/ 2/80		3	34.062	ND	26.58+- 1.4%		9981
15/ 5/80		3	29.783	ND	28.69+- 2.6%		520
15/ 6/80		3	33.442	ND	45.52+- 0.9%		5000
15/ 9/80		3	35.147	ND	52.32+- 1.5%		1518
1/ 1/81		3	NA	ND	25.71+- 1.9%		2153
15/ 2/81		3	NA	ND	75.25+- 0.5%		2145

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 4/81		3	NA	4.79+-16.2%	101.54+- 0.6%	21.2	2149
15/ 5/81		3	NA	ND	48.95+- 1.3%		2777
15/ 8/81		3	35.078	ND	41.52+- 1.9%		2944
15/ 9/81		3	NA	ND	48.95+- 1.5%		2849
15/10/81		3	NA	ND	38.27+- 3.0%		2948
15/11/81		3	35.300	ND	24.96+- 7.7%		2940
<i>Site 37 File C</i>							
<i>Station 8 Swansea-Cork St C</i>				<i>51:39:00N</i>	<i>6:00:00W</i>		
15/ 2/80		3	34.829	ND	14.20+- 2.5%		9982
15/ 6/80		3	33.836	ND	30.47+- 1.3%		1033
15/ 9/80		3	35.101	ND	46.77+- 1.6%		1519
1/ 1/81		3	NA	ND	33.08+- 1.7%		2154
15/ 2/81		3	NA	ND	44.16+- 0.9%		2146
15/ 4/81		3	NA	3.79+-20.5%	79.24+- 0.8%	20.9	2150
15/ 5/81		3	NA	ND	52.44+- 2.3%		2778
15/ 8/81		3	35.008	ND	20.97+- 3.3%		2945
15/ 9/81		3	NA	ND	49.21+- 1.6%		2850
15/11/81		3	34.934	ND	38.62+- 1.9%		2941
<i>Site 37 File C</i>							
<i>Station 9 Swansea-Cork St D</i>				<i>51:41:00N</i>	<i>7:00:00W</i>		
15/ 2/80		3	33.994	ND	16.22+- 2.5%		10
15/ 6/80		3	34.243	ND	23.38+- 1.5%		1034
15/ 9/80		3	35.203	4.51+-33.7%	83.73+- 1.3%	18.6	1520
1/ 1/81		3	31.949	ND	35.81+- 2.6%		2724
15/ 2/81		3	NA	ND	76.32+- 0.5%		2147
15/ 4/81		3	NA	ND	68.27+- 0.7%		2151
15/ 5/81		3	NA	ND	54.99+- 1.0%		2779
15/ 8/81		3	35.310	ND	77.77+- 1.0%		2946
15/ 9/81		3	NA	ND	62.48+- 1.1%		2851
15/11/81		3	35.194	ND	27.36+- 2.4%		2942
<i>Site 37 File C</i>							
<i>Station 10 Swansea-Cork St E</i>				<i>51:41:00N</i>	<i>8:00:00W</i>		
15/ 2/80		3	33.958	ND	14.19+- 2.7%		20
15/ 6/80		3	34.341	ND	22.73+- 1.6%		1035
15/ 9/80		3	35.215	3.52+-44.4%	80.89+- 1.4%	23.0	1521
1/ 1/81		3	32.430	ND	27.40+- 3.2%		2725
15/ 2/81		3	NA	ND	34.39+- 1.1%		2148
15/ 4/81		3	NA	ND	62.43+- 0.6%		2152
15/ 5/81		3	NA	ND	53.63+- 1.3%		2848
15/ 8/81		3	35.328	ND	63.54+- 1.1%		2947
15/ 9/81		3	NA	ND	56.94+- 1.3%		2852

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/10/81		3	NA	ND	30.55+- 4.0%		2949
15/11/81		3	35.241	ND	28.28+- 2.3%		2943
Site 50 St Georges Channel							
Station 1 Fishguard-Rosslare 1 52:03:00N 5:05:00W							
21/ 1/80		3	34.210	7.74+-23.4%	104.42+- 1.3%	13.5	9469
11/ 2/80		3	NA	ND	48.67+- 3.5%		1071
24/ 3/80		3	NA	ND	29.76+- 2.8%		1050
21/ 4/80		3	NA	ND	46.74+- 1.9%		1053
23/ 5/80		3	NA	ND	54.17+- 1.6%		1056
14/ 7/80		3	NA	ND	28.75+- 2.8%		1059
12/ 8/80		3	NA	ND	18.44+- 4.5%		1062
8/ 9/80		3	NA	ND	20.18+- 4.3%		1065
14/10/80		3	NA	ND	55.81+- 3.0%		1084
18/11/80		3	NA	ND	61.11+- 1.5%		1068
16/12/80		3	NA	ND	101.00+- 0.9%		1834
8/ 1/81		3	NA	24.83+-27.5%	170.31+- 2.0%	6.9	2955
19/ 1/81		3	NA	27.02+-26.6%	397.72+- 1.4%	14.7	2853
9/ 3/81		3	33.983	22.94+-41.1%	423.10+- 1.4%	18.4	2488
21/ 4/81		3	NA	ND	272.53+- 0.7%		2491
18/ 5/81		3	NA	14.54+-16.0%	204.06+- 0.9%	14.0	2494
15/ 6/81		3	NA	ND	45.08+- 3.5%		2499
13/ 7/81		3	NA	ND	129.17+- 1.3%		2702
10/ 8/81		3	NA	ND	138.64+- 1.3%		2705
8/ 9/81		3	NA	ND	192.82+- 1.0%		2732
28/ 9/81		3	NA	ND	97.55+- 2.5%		2963
9/11/81		3	NA	ND	35.59+- 6.3%		2966
15/12/81		3	NA	11.61+-21.6%	151.08+- 1.2%	13.0	2952
15/ 1/82		3	NA	ND	63.97+- 1.9%		3624
15/ 2/82		3	NA	ND	21.88+- 5.1%		4153
15/ 3/82		3	NA	ND	16.37+- 6.7%		4156
15/ 4/82		3	NA	ND	42.74+- 7.5%		4159
15/ 5/82		3	34.353	ND	65.18+- 5.0%		5168
15/ 6/82		3	34.329	ND	48.03+- 6.6%		5171
15/ 7/82		3	34.528	ND	24.52+-12.5%		5174
23/ 8/82		3	34.498	ND	26.25+-12.0%		5276
20/ 9/82		3	34.436	ND	43.23+- 7.1%		5279
18/10/82		3	34.677	ND	11.97+-25.7%		5283
15/11/82		3	34.645	ND	8.12+-35.4%		5474
19/12/82		3	34.802	ND	8.60+-35.0%		5477
15/ 1/83		3	34.746	ND	11.71+-13.1%		1909
15/ 2/83		3	34.201	ND	29.95+- 5.0%		1967
15/ 3/83		3	34.199	ND	26.43+-11.4%		4301
15/ 4/83		3	34.288	ND	39.54+- 3.8%		4304
15/ 5/83		3	34.039	ND	22.03+- 6.8%		4314
15/ 6/83		3	34.145	ND	16.14+- 9.2%		4317

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 7/83		3	34.302	ND	19.29+- 7.3%		4320
15/ 8/83		3	34.283	ND	43.73+- 5.1%		6095
15/ 9/83		3	34.887	ND	8.98+-22.6%		6098
24/10/83		3	34.925	ND	18.11+-24.5%		5101
7/11/83		3	34.685	ND	38.30+-16.5%		5104
22/11/83		3	34.696	ND	59.86+-10.7%		5928
15/12/83		3	34.748	ND	49.57+- 6.6%		6104
15/ 1/84		3	NA	ND	38.41+- 4.3%		556
15/ 2/84		3	NA	ND	79.10+- 2.2%		3041
15/ 3/84		3	NA	ND	93.96+- 1.7%		3044
15/ 4/84		3	34.437	ND	52.13+- 4.4%		3648
15/ 6/84		3	34.464	ND	43.89+- 5.1%		3651
15/ 7/84		3	34.798	ND	14.58+-14.9%		3657
15/ 8/84		3	35.246	ND	14.77+-13.9%		3660
15/ 9/84		3	34.961	ND	27.67+- 8.1%		3663
15/10/84		3	35.192	ND	16.46+-18.1%		4232
15/11/84		3	35.000	ND	12.97+-23.4%		4235
15/12/84		3	34.829	ND	13.59+-22.3%		4498
Site 50 St Georges Channel							
Station 2 Fishguard-Rosslare 2 52:10:00N 5:40:00W							
21/ 1/80		3	34.663	ND	27.90+- 3.1%		9470
11/ 2/80		3	NA	ND	27.18+- 6.2%		1072
24/ 3/80		3	NA	ND	21.06+- 3.8%		1051
21/ 4/80		3	NA	ND	16.43+- 5.1%		1054
23/ 5/80		3	NA	ND	58.27+- 1.5%		1057
14/ 7/80		3	NA	ND	19.20+- 4.5%		1060
11/ 8/80		3	NA	ND	13.28+- 6.2%		1063
7/ 9/80		3	NA	ND	61.71+- 1.4%		1066
14/10/80		3	NA	ND	55.86+- 3.1%		1085
18/11/80		3	NA	ND	72.50+- 1.2%		1069
16/12/80		3	NA	ND	63.62+- 1.3%		1835
8/ 1/81		3	NA	ND	40.23+- 5.7%		2956
19/ 1/81		3	NA	13.51+-53.0%	418.35+- 1.3%	31.0	2854
9/ 2/81		3	33.968	43.40+-22.5%	474.12+- 1.3%	10.9	2486
9/ 3/81		3	34.327	ND	245.54+- 1.6%		2489
20/ 4/81		3	NA	11.09+-21.4%	76.19+- 2.2%	6.9	2492
18/ 5/81		3	NA	ND	52.62+- 2.3%		2495
15/ 6/81		3	NA	ND	47.25+- 3.5%		2500
13/ 7/81		3	NA	ND	109.29+- 1.6%		2703
10/ 8/81		3	NA	8.11+-37.0%	179.27+- 1.5%	22.1	2706
8/ 9/81		3	NA	ND	31.37+- 5.0%		2733
28/ 9/81		3	NA	ND	22.54+- 9.8%		2964
9/11/81		3	NA	ND	60.48+- 3.8%		2967
15/12/81		3	NA	15.71+-16.2%	75.36+- 2.2%	4.8	2953

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 1/82		3	NA	ND	20.51+- 5.5%		3625
15/ 2/82		3	NA	ND	19.88+- 5.6%		4154
15/ 3/82		3	NA	ND	29.69+- 3.8%		4157
15/ 4/82		3	NA	ND	16.41+-18.9%		4160
15/ 5/82		3	34.545	ND	15.99+-18.1%		5169
15/ 6/82		3	34.470	ND	38.21+- 7.8%		5172
15/ 7/82		3	34.341	ND	20.51+-14.9%		5175
23/ 8/82		3	34.729	ND	13.08+-23.7%		5277
20/ 9/82		3	34.858	ND	6.12+-48.8%		5281
18/10/82		3	34.846	ND	6.17+-47.2%		5284
15/11/82		3	34.853	ND	8.07+-35.6%		5475
19/12/82		3	34.853	ND	5.97+-47.9%		5478
15/ 1/83		3	34.536	ND	22.62+- 6.9%		1910
15/ 2/83		3	34.399	ND	60.72+- 2.6%		1968
15/ 3/83		3	34.464	ND	30.33+-10.0%		4302
15/ 4/83		3	34.520	ND	33.06+- 9.2%		4305
15/ 5/83		3	34.279	ND	14.10+-20.9%		4315
15/ 6/83		3	34.402	ND	9.83+-28.4%		4318
15/ 7/83		3	34.525	ND	11.54+-24.2%		4321
15/ 8/83		3	34.613	ND	12.54+-17.0%		6096
15/ 9/83		3	34.819	ND	12.36+-17.3%		6099
24/10/83		3	34.839	ND	38.22+-11.8%		5102
15/11/83		3	35.070	ND	26.49+-11.5%		6103
15/12/83		3	34.730	ND	28.26+-11.3%		6105
15/ 1/84		3	NA	ND	36.72+- 4.5%		557
15/ 2/84		3	NA	ND	64.00+- 2.5%		3042
15/ 3/84		3	NA	ND	29.06+- 5.3%		3045
15/ 4/84		3	34.675	ND	29.80+- 7.5%		3649
4/ 6/84		3	34.611	ND	28.63+-15.9%		3653
15/ 7/84		3	34.776	ND	24.41+- 9.0%		3658
15/ 8/84		3	35.711	ND	7.57+-26.9%		3661
15/ 9/84		3	35.227	ND	18.18+-12.1%		3664
15/10/84		3	34.908	ND	41.69+- 7.2%		4233
15/11/84		3	35.011	ND	18.03+-16.6%		4236
15/12/84		3	34.927	ND	9.32+-32.3%		4499
Site 50 St Georges Channel							
Station 3 Fishguard-Rosslare 3 52:12:00N 6:05:00W							
21/ 1/80		3	34.587	ND	17.97+- 4.7%		9471
11/ 2/80		3	NA	ND	25.34+- 6.6%		1073
24/ 3/80		3	NA	ND	27.41+- 3.1%		1052
21/ 4/80		3	NA	ND	20.24+- 4.2%		1055
23/ 5/80		3	NA	3.38+-56.6%	95.41+- 1.3%	28.2	1058
14/ 7/80		3	NA	ND	115.29+- 0.8%		1061
11/ 8/80		3	NA	ND	64.57+- 1.3%		1064
7/ 9/80		3	NA	6.46+-29.5%	79.80+- 1.7%	12.3	1067
14/10/80		3	NA	ND	81.23+- 2.2%		1086

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
18/11/80		3	NA	ND	51.75+- 1.7%		1070
16/12/80		3	NA	ND	54.88+- 1.5%		1836
15/ 1/81		3	NA	18.88+-18.1%	104.83+- 1.6%	5.6	2957
9/ 2/81		3	34.132	19.47+-49.5%	333.36+- 1.8%	17.1	2487
9/ 3/81		3	NA	ND	132.97+- 2.7%		2490
20/ 4/81		3	NA	13.89+-17.1%	276.08+- 0.7%	19.9	2493
18/ 5/81		3	NA	ND	166.71+- 0.9%		2496
15/ 6/81		3	NA	ND	136.60+- 1.3%		2701
13/ 7/81		3	NA	ND	72.68+- 2.2%		2704
10/ 8/81		3	NA	ND	113.31+- 1.5%		2707
8/ 9/81		3	NA	14.60+-20.8%	183.12+- 1.5%	12.5	2734
28/ 9/81		3	NA	16.97+-31.6%	105.05+- 3.0%	6.2	2965
9/11/81		3	NA	ND	61.32+- 3.8%		2968
15/12/81		3	NA	ND	65.49+- 1.9%		2954
15/ 1/82		3	NA	ND	43.31+- 2.7%		3626
15/ 2/82		3	NA	ND	33.89+- 3.4%		4155
15/ 3/82		3	NA	ND	19.38+-16.1%		4158
15/ 4/82		3	NA	ND	24.50+-12.8%		4161
15/ 5/82		3	34.504	ND	31.63+- 9.8%		5170
15/ 6/82		3	34.419	ND	38.80+- 7.7%		5173
15/ 7/82		3	34.436	ND	57.17+- 5.5%		5275
23/ 8/82		3	34.478	ND	78.40+- 4.3%		5278
20/ 9/82		3	34.606	ND	60.29+- 5.4%		5282
18/10/82		3	34.763	ND	17.46+-17.8%		5285
15/11/82		3	34.688	ND	18.88+-15.5%		5476
19/12/82		3	34.462	ND	18.54+-15.7%		5479
15/ 1/83		3	34.202	ND	14.61+-10.5%		1911
15/ 2/83		3	34.228	ND	36.26+- 4.3%		1969
15/ 3/83		3	34.515	ND	21.47+- 7.0%		4303
15/ 4/83		3	34.273	ND	32.86+- 4.8%		4306
15/ 5/83		3	34.397	ND	18.45+- 8.5%		4316
15/ 6/83		3	34.290	ND	13.17+-10.7%		4319
15/ 7/83		3	34.388	ND	39.18+- 8.4%		4322
15/ 8/83		3	33.971	ND	86.20+- 2.7%		6097
15/ 9/83		3	34.510	ND	51.41+- 4.2%		6100
24/10/83		3	34.659	ND	33.89+-13.2%		5103
7/11/83		3	34.671	ND	24.87+-25.2%		5106
22/11/83		3	34.365	ND	113.40+- 5.8%		5930
15/12/83		3	34.442	ND	29.90+- 7.3%		6106
15/ 1/84		3	NA	ND	24.28+- 6.4%		558
15/ 2/84		3	NA	ND	28.68+- 5.2%		3043
15/ 3/84		3	34.632	ND	26.19+- 8.5%		3046
15/ 4/84		3	34.652	ND	29.49+- 7.5%		3650
4/ 6/84		3	34.431	ND	81.74+- 5.8%		3654
18/ 6/84		3	34.480	ND	65.91+- 7.0%		3655
18/ 6/84		3	34.644	ND	22.02+-20.5%		3656

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 7/84		3	34.501	9.25+-46.2%	112.63+- 3.3%	12.2	3659
15/ 8/84		3	34.469	ND	149.03+- 1.6%		3662
15/ 9/84		3	35.291	ND	116.20+- 2.0%		3665
15/10/84		3	34.864	ND	54.21+- 5.8%		4234
15/11/84		3	34.935	ND	29.14+-10.6%		4237
Site 1 Sellafield							
Station 82 Dahn Buoy							
				54:22: 6N 3:31:56W			
26/ 2/80		2	32.244	335.43+- 2.8%	5482.46+- 0.2%	16.3	9978
6/ 5/80		2	32.952	385.69+- 2.7%	5651.76+- 0.2%	14.7	463
23/ 8/80		2	33.013	1912.19+- 1.2%	23857.30+- 0.1%	12.5	465
4/11/80		2	32.971	717.69+- 1.9%	10965.70+- 0.1%	15.3	1580
2/ 3/81		2	31.062	330.15+- 3.0%	6347.59+- 0.2%	19.2	1884
12/ 5/81		2	NA	529.88+- 1.4%	10607.84+- 0.1%	20.0	2912
21/ 8/81		2	NA	3495.66+- 0.4%	50938.73+- 0.1%	14.6	2913
2/12/81		2	NA	630.42+- 1.0%	11814.96+- 0.1%	18.7	2916
2/12/81		15	NA	353.42+- 1.7%	7416.48+- 0.1%	21.0	2915
16/ 2/82		2	NA	731.72+- 0.9%	13983.50+- 0.1%	19.1	3302
16/ 2/82		15	NA	256.30+- 2.0%	5114.10+- 0.2%	20.0	3301
17/ 5/82		2	NA	257.74+- 6.4%	5611.24+- 0.4%	21.8	3841
17/ 5/82		15	NA	243.62+- 8.0%	5432.41+- 0.4%	22.3	3842
22/ 6/82		2	32.972	482.98+- 3.7%	9821.52+- 0.3%	20.3	5466
22/ 6/82		15	32.889	526.50+- 3.5%	10546.59+- 0.3%	20.0	5467
27/ 8/82		2	32.485	816.10+- 2.2%	15205.25+- 0.2%	18.6	5325
27/ 8/82		15	32.854	466.69+- 3.6%	9159.90+- 0.3%	19.6	5326
25/11/82		2	31.702	109.16+-12.7%	3506.04+- 0.5%	32.1	5328
25/11/82		15	31.724	111.35+-12.5%	3561.23+- 0.5%	32.0	5329
8/ 2/83		2	32.158	197.86+- 8.9%	4163.18+- 0.5%	21.0	450
8/ 2/83		20	32.605	111.45+-15.4%	2130.54+- 0.8%	19.1	451
24/ 5/83		2	31.756	186.02+- 7.4%	4107.36+- 0.5%	22.1	2061
24/ 5/83		15	32.244	83.00+-15.8%	2302.31+- 0.7%	27.7	2062
23/ 8/83		2	32.695	429.33+- 2.4%	7070.74+- 0.3%	16.5	3749
23/ 8/83		15	32.865	426.20+- 3.3%	6790.52+- 0.4%	15.9	3750
18/11/83		2	32.640	822.96+- 1.9%	6491.38+- 0.4%	7.9	5056
15/ 2/84		2	30.896	260.04+- 5.7%	4979.18+- 0.5%	19.1	566
14/ 5/84		2	32.592	170.85+- 8.5%	3299.49+- 0.6%	19.3	1849
14/ 5/84		15	32.926	119.19+-11.9%	2445.91+- 0.7%	20.5	1850
7/ 8/84		2	NA	107.14+-12.2%	2533.53+- 0.7%	23.6	3065
7/ 8/84		15	NA	78.52+-16.5%	2213.45+- 0.7%	28.2	3066
6/11/84		2	32.425	309.40+- 4.4%	5183.35+- 0.4%	16.8	3866

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 1 Sellafield							
Station 83 Midpoint net position 54:23:40N 3:32:25W							
26/ 2/80		2	32.579	183.81+- 4.4%	2948.03+- 0.3%	16.0	9977
6/ 5/80		2	33.204	3633.31+- 1.3%	47524.00+- 0.1%	13.1	464
23/ 8/80		2	33.159	1404.99+- 1.3%	17937.10+- 0.1%	12.8	466
4/11/80		2	33.253	743.01+- 1.9%	11326.30+- 0.1%	15.2	1581
2/ 3/81		2	31.237	361.64+- 2.8%	6023.68+- 0.2%	16.7	1588
12/ 5/81		2	NA	533.17+- 1.4%	10331.50+- 0.1%	19.4	2911
21/ 8/81		2	NA	4026.69+- 0.4%	58788.53+- 0.1%	14.6	2914
2/12/81		2	NA	611.59+- 1.1%	12234.73+- 0.1%	20.0	2917
16/ 2/82		2	NA	599.11+- 1.0%	11476.25+- 0.1%	19.2	3303
17/ 5/82		2	NA	250.65+- 6.8%	6052.39+- 0.4%	24.1	3843
27/ 8/82		2	32.701	722.71+- 2.5%	12869.62+- 0.2%	17.8	5327
25/11/82		2	31.726	127.18+-11.0%	3653.26+- 0.5%	28.7	5330
8/ 2/83		2	32.252	119.08+-14.6%	3675.98+- 0.5%	30.9	452
24/ 5/83		2	31.861	151.13+- 8.9%	3606.81+- 0.5%	23.9	2063
23/ 8/83		2	32.880	329.25+- 4.2%	5780.95+- 0.4%	17.6	3748
30/11/83		2	NA	339.67+- 2.8%	5269.28+- 0.3%	15.5	5355
15/ 2/84		2	30.763	235.97+- 6.0%	4434.43+- 0.5%	18.8	567
14/ 5/84		2	32.569	121.02+- 8.4%	2643.60+- 0.5%	21.8	1851
7/ 8/84		2	NA	65.30+-14.1%	2042.67+- 0.5%	31.3	3067
6/11/84		2	32.553	277.68+- 4.9%	4718.95+- 0.4%	17.0	3867
Site 1 Sellafield							
Station 116 PLZ Current Meter 54:24:42N 3:32:54W							
14/10/81		2	NA	690.30+- 0.6%	12873.66+- 0.1%	18.6	2919
14/10/81		15	NA	320.12+- 1.1%	6700.56+- 0.1%	20.9	2920
2/12/81		2	NA	1380.28+- 0.6%	25691.23+- 0.1%	18.6	2921
2/12/81		15	NA	2038.91+- 1.3%	38652.89+- 0.1%	19.0	3779
12/ 1/82		2	NA	838.10+- 2.5%	16271.17+- 0.2%	19.4	3780
12/ 1/82		15	NA	791.39+- 2.6%	15076.38+- 0.2%	19.1	3781
16/ 2/82		2	NA	7725.22+- 0.9%	141573.63+- 0.1%	18.3	3782
16/ 2/82		15	NA	1890.96+- 1.3%	33551.19+- 0.2%	17.7	3783
19/ 3/82		2	NA	1003.03+- 2.1%	15930.23+- 0.2%	15.9	3784
19/ 3/82		15	NA	756.57+- 2.6%	12248.89+- 0.3%	16.2	3838
17/ 4/82		2	NA	315.74+- 5.4%	5561.53+- 0.4%	17.6	3839
17/ 4/82		15	NA	315.91+- 5.4%	6044.29+- 0.4%	19.1	3840
17/ 5/82		2	NA	823.29+- 2.5%	19361.06+- 0.2%	23.5	3845
17/ 5/82		15	NA	275.36+- 6.2%	6514.20+- 0.4%	23.7	3844
22/ 6/82		2	NA	507.65+- 3.7%	9936.28+- 0.3%	19.6	3932
27/ 7/82		2	NA	1929.30+- 2.1%	32647.07+- 0.2%	16.9	4336
27/ 7/82		15	NA	809.15+- 4.5%	13144.43+- 0.4%	16.2	4337
27/ 7/82		2	32.796	1404.44+- 1.5%	23706.31+- 0.2%	16.9	5468

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
27/ 7/82		15	32.906	502.88+- 3.5%	10161.18+- 0.3%	20.2	5469
14/ 9/82		2	32.594	3178.50+- 1.0%	57473.68+- 0.1%	18.1	5470
14/ 9/82		15	32.623	1397.53+- 1.5%	26020.84+- 0.2%	18.6	5471
13/10/82		2	32.465	2663.25+- 1.0%	42793.38+- 0.2%	16.1	5472
13/10/82		15	32.935	1641.10+- 1.3%	27980.63+- 0.2%	17.0	5473
25/11/82		2	31.776	138.38+-13.4%	3998.87+- 0.5%	28.9	5626
25/11/82		20	31.732	177.74+-10.6%	4529.85+- 0.4%	25.5	5627
22/ 1/83		2	31.217	1252.59+- 1.7%	22556.11+- 0.2%	18.0	158
22/ 1/83		15	31.301	812.22+- 2.5%	14552.41+- 0.2%	17.9	159
15/ 3/83	22	2	32.193	5691.14+- 0.9%	118258.66+- 0.1%	20.8	829
15/ 3/83	22	15	32.379	1598.93+- 1.3%	30481.52+- 0.2%	19.1	830
19/ 4/83		2	NA	4557.53+- 0.9%	84303.44+- 0.1%	18.5	2738
19/ 4/83		15	NA	1993.16+- 1.1%	37611.86+- 0.2%	18.9	2739
24/ 5/83		2	31.706	1245.05+- 1.4%	25564.53+- 0.2%	20.5	2064
24/ 5/83		15	32.457	810.92+- 2.0%	17956.88+- 0.2%	22.1	2065
23/ 8/83		2	32.643	4617.08+- 0.7%	62534.34+- 0.2%	13.5	3746
23/ 8/83		15	32.830	1561.82+- 1.2%	19159.97+- 0.2%	12.3	3747
18/11/83		2	33.104	1769.65+- 1.1%	27849.02+- 0.2%	15.7	5057
18/11/83		15	33.099	1822.30+- 1.2%	27639.63+- 0.2%	15.2	5058
30/11/83		2	NA	680.87+- 1.6%	10998.70+- 0.2%	16.2	5353
30/11/83		15	NA	413.03+- 2.4%	6962.00+- 0.3%	16.9	5354
20/ 1/84		2	31.370	286.58+- 4.8%	5668.55+- 0.4%	19.8	215
20/ 1/84		20	32.238	527.11+- 3.1%	9508.94+- 0.3%	18.0	216
10/ 2/84		2	30.383	301.47+- 4.7%	5641.53+- 0.4%	18.7	565
10/ 2/84		20	31.354	463.14+- 3.2%	8311.58+- 0.3%	17.9	564
14/ 5/84		2	32.795	489.70+- 2.3%	7939.07+- 0.3%	16.2	1852
14/ 5/84		15	32.855	375.08+- 2.9%	6237.61+- 0.3%	16.6	1853
7/ 8/84		2	NA	1633.35+- 1.2%	23641.17+- 0.2%	14.5	3063
7/ 8/84		15	NA	318.09+- 4.4%	5286.89+- 0.4%	16.6	3064
5/ 9/84		2	NA	1447.77+- 0.9%	19342.44+- 0.2%	13.4	3321
5/ 9/84		15	NA	823.38+- 1.4%	12168.25+- 0.2%	14.8	3322
6/11/84		2	32.580	409.95+- 3.5%	6593.96+- 0.4%	16.1	3865
Site 49 North Channel							
Station 1 Corsewall							
55:01:00N 5:12:00W							
16/ 1/80		3	33.972	80.91+-10.3%	1328.36+- 0.5%	16.4	9908
20/ 2/80		3	33.528	116.02+- 6.4%	1580.44+- 0.4%	13.6	9918
19/ 3/80		3	NA	63.78+-13.8%	1504.46+- 0.5%	23.6	270
23/ 4/80		3	NA	99.56+- 3.9%	1363.88+- 0.3%	13.7	300
28/ 5/80		3	NA	100.39+- 8.5%	1682.98+- 0.5%	16.8	680
17/ 9/80		3	34.137	55.50+- 6.0%	721.00+- 0.4%	13.0	4570
8/10/80		3	33.454	98.96+- 3.7%	1495.01+- 0.3%	15.1	4910
19/11/80		3	33.050	79.08+- 4.4%	1316.18+- 0.3%	16.6	4950
17/12/80		3	33.938	64.51+- 5.8%	1096.06+- 0.3%	17.0	1080
9/ 2/81		3	34.153	17.55+-57.7%	289.02+- 2.1%	16.5	2485
13/ 5/81		3	NA	113.88+- 6.0%	1798.10+- 0.4%	15.8	1889

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
10/ 6/81		3	NA	92.75+- 7.4%	1485.49+- 0.5%	16.0	1892
11/ 7/81		3	NA	111.52+- 8.8%	1441.08+- 0.6%	12.9	2410
12/ 8/81		3	33.344	106.82+-20.5%	2108.88+- 0.9%	19.7	2414
9/ 9/81		3	NA	70.74+-12.7%	1405.02+- 0.6%	19.9	2417
21/10/81		3	32.927	101.81+- 2.4%	1714.35+- 0.2%	16.8	2757
18/11/81		3	NA	72.21+- 3.2%	1382.11+- 0.2%	19.1	2893
16/12/81		3	NA	40.25+-20.0%	1262.56+- 0.6%	31.4	2895
6/ 1/82		3	NA	29.38+-49.4%	1578.86+- 0.8%	53.7	3441
18/ 2/82		3	NA	61.38+-23.0%	1591.81+- 0.8%	25.9	3442
31/ 3/82		3	NA	57.98+-23.5%	1324.66+- 1.0%	22.8	3573
14/ 4/82		3	NA	45.84+-28.9%	1237.25+- 1.0%	27.0	3576
19/ 5/82		3	NA	36.33+-35.2%	1262.80+- 1.0%	34.8	4353
26/ 6/82		3	NA	59.57+-21.0%	1227.55+- 1.0%	20.6	4365
14/ 7/82		3	NA	41.66+-29.7%	1143.32+- 1.1%	27.4	4390
11/ 8/82		3	NA	64.96+-18.8%	1293.92+- 1.0%	19.9	4395
6/10/82		3	33.455	96.80+-15.1%	1668.51+- 1.0%	17.2	4914
10/11/82		3	33.289	104.27+-11.0%	2560.87+- 0.6%	24.6	4917
8/12/82		3	NA	49.45+-29.1%	1595.23+- 1.0%	32.3	5300
16/ 3/83		3	33.820	46.02+-16.2%	936.94+- 0.8%	20.4	1103
18/ 4/83		3	32.309	85.09+- 6.1%	2409.44+- 0.2%	28.3	1373
16/ 5/83		3	33.268	61.02+- 9.5%	1451.63+- 0.5%	23.8	2039
20/ 6/83		3	NA	46.40+- 6.2%	1030.57+- 0.4%	22.2	2823
27/ 6/83		3	33.604	NA	NA		2822
18/ 7/83		3	33.686	44.20+- 8.9%	939.67+- 0.5%	21.3	3743
15/ 8/83		3	NA	23.88+-35.7%	729.58+- 1.1%	30.6	5862
12/ 9/83		3	NA	24.79+-33.5%	765.33+- 1.1%	30.9	5865
27/ 1/84		3	33.425	27.69+-30.0%	514.25+- 1.6%	18.6	547
20/ 2/84		3	32.818	48.97+-27.1%	708.39+- 1.9%	14.5	1081
5/ 3/84		3	31.487	35.09+-22.9%	711.58+- 1.2%	20.3	1085
19/ 3/84		3	31.103	24.77+-51.7%	661.20+- 2.0%	26.7	1117
15/ 4/84		3	33.182	37.20+- 8.6%	792.25+- 0.5%	21.3	1601
15/ 5/84		3	NA	29.62+-13.0%	746.70+- 0.6%	25.2	2456
15/ 8/84		3	NA	21.01+-13.4%	523.60+- 0.6%	24.9	3315
10/ 9/84		3	NA	29.13+- 9.3%	1407.93+- 0.3%	48.3	3487
15/10/84		3	33.962	21.04+-51.5%	501.66+- 2.2%	23.8	4036
12/11/84		3	33.650	21.55+-49.1%	564.41+- 2.0%	26.2	4059
11/12/84		3	NA	57.05+-22.6%	894.26+- 1.3%	15.7	4418
Site 49 North Channel							
Station 2 Mid Channel							
54:56:00N 5:28:00W							
16/ 1/80		3	34.129	99.68+- 8.4%	1209.09+- 0.6%	12.1	9909
20/ 2/80		3	34.056	89.93+-10.1%	1453.12+- 0.5%	16.2	9919
19/ 3/80		3	NA	116.97+- 6.2%	1556.70+- 0.4%	13.3	280
16/ 4/80		3	NA	74.03+-10.3%	1075.02+- 0.6%	14.5	310
30/ 4/80		3	NA	87.32+- 8.7%	1361.49+- 0.5%	15.6	320
28/ 5/80		3	NA	80.05+- 8.5%	1207.49+- 0.5%	15.1	690

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
17/ 9/80		3	34.096	77.05+- 4.4%	1030.98+- 0.3%	13.4	4580
1/10/80		3	NA	105.75+- 9.1%	1327.62+- 0.7%	12.6	4930
15/10/80		3	33.923	110.72+- 6.1%	1443.82+- 0.5%	13.0	4920
12/11/80		3	33.852	80.16+- 8.2%	1235.62+- 0.5%	15.4	4960
26/11/80		3	33.821	91.53+- 7.1%	1288.81+- 0.5%	14.1	4970
3/12/80		3	34.080	61.97+-11.6%	878.20+- 0.7%	14.2	1081
31/12/80		3	34.089	59.83+-11.7%	978.01+- 0.6%	16.3	1082
13/ 5/81		3	NA	149.11+- 4.7%	2373.89+- 0.3%	15.9	1890
10/ 6/81		3	NA	80.87+- 8.4%	1299.26+- 0.5%	16.1	1893
1/ 7/81		3	NA	87.89+-21.4%	1455.34+- 1.0%	16.6	2411
21/ 7/81		3	33.559	91.57+-20.2%	1549.33+- 0.9%	16.9	2412
12/ 8/81		3	NA	76.02+-23.0%	1616.49+- 0.9%	21.3	2415
2/ 9/81		3	NA	95.04+-18.2%	1350.83+- 1.0%	14.2	2418
17/ 9/81		3	NA	96.91+-17.6%	1297.64+- 1.1%	13.4	2419
14/10/81		3	33.647	72.03+- 6.3%	1362.32+- 0.4%	18.9	2758
28/10/81		3	33.561	80.42+- 5.6%	1654.60+- 0.3%	20.6	2759
11/11/81		3	NA	66.36+- 6.5%	1356.53+- 0.4%	20.4	2892
25/11/81		3	NA	71.36+- 6.0%	1473.56+- 0.4%	20.6	2891
9/12/81		3	NA	44.90+-35.6%	1269.88+- 1.0%	28.3	2896
23/12/81		3	NA	46.03+-34.3%	1050.08+- 1.2%	22.8	2897
6/ 1/82		3	NA	55.88+-26.2%	1405.35+- 0.9%	25.2	3443
18/ 2/82		3	NA	51.76+-27.2%	1223.91+- 1.0%	23.6	3444
31/ 3/82		3	NA	32.92+-31.1%	1169.53+- 1.1%	35.5	3574
14/ 4/82		3	NA	80.01+-16.8%	1352.79+- 1.0%	16.9	3577
19/ 5/82		3	NA	53.77+-24.0%	1052.94+- 1.2%	19.6	4354
26/ 6/82		3	NA	57.93+-21.6%	922.53+- 1.3%	15.9	4366
14/ 7/82		3	NA	37.23+-33.2%	1114.81+- 1.1%	29.9	4393
11/ 8/82		3	NA	33.79+-35.6%	1027.01+- 1.2%	30.4	4396
6/10/82		3	NA	56.65+-25.4%	1100.46+- 1.4%	19.4	4915
10/11/82		3	33.802	52.10+-22.8%	1393.14+- 0.9%	26.7	4918
8/12/82		3	NA	32.04+-44.6%	1236.27+- 1.2%	38.6	5301
16/ 3/83		3	33.702	44.59+-11.8%	767.34+- 0.6%	17.2	1104
18/ 4/83		3	33.758	40.36+-12.6%	819.53+- 0.6%	20.3	1374
16/ 5/83		3	33.709	51.67+-11.2%	1078.52+- 0.6%	20.9	2041
13/ 6/83		3	33.733	30.10+-18.3%	875.49+- 0.7%	29.1	2734
27/ 6/83		3	33.593	61.54+- 9.4%	1375.80+- 0.5%	22.4	2735
18/ 7/83		3	33.588	35.88+-10.9%	742.78+- 0.6%	20.7	3744
15/ 8/83		3	NA	27.33+-31.2%	681.55+- 1.2%	24.9	5864
12/ 9/83		3	NA	31.10+-33.0%	649.12+- 1.6%	20.9	5867
27/ 1/84		3	NA	41.92+-20.0%	632.67+- 1.3%	15.1	549
20/ 2/84		3	33.789	37.51+-24.2%	697.30+- 1.3%	18.6	1082
5/ 3/84		3	32.522	ND	654.44+- 1.3%		1086
19/ 3/84		3	30.992	ND	650.93+- 1.5%		1118
2/ 4/84		3	33.662	28.00+-48.9%	797.14+- 1.8%	28.5	1602
16/ 4/84		3	32.708	18.71+-51.7%	478.21+- 2.0%	25.6	1610
30/ 4/84		3	31.127	ND	536.90+- 1.8%		1611

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
14/ 5/84		3	NA	32.48+-23.4%	696.44+- 1.2%	21.4	2462
28/ 5/84		3	NA	24.35+-30.7%	679.38+- 1.2%	27.9	2463
6/ 8/84		3	NA	16.98+-32.0%	579.81+- 1.0%	34.1	3316
20/ 8/84		3	NA	13.77+-38.9%	530.63+- 1.1%	38.5	3317
10/ 9/84		3	NA	13.49+-29.4%	554.99+- 0.8%	41.1	3488
15/10/84		3	34.060	18.74+-59.9%	521.26+- 2.2%	27.8	4037
12/11/84		3	34.027	31.49+-35.0%	593.73+- 2.0%	18.9	4060
11/12/84		3	NA	32.54+-39.2%	680.10+- 1.6%	20.9	4416
Site 49 North Channel							
Station 3 Hunter							
				54:52:00N	5:45:00W		
16/ 1/80		3	34.068	94.27+- 8.1%	1420.77+- 0.5%	15.1	9910
20/ 2/80		3	33.902	123.41+- 6.1%	1580.93+- 0.4%	12.8	9920
19/ 3/80		3	NA	99.15+- 8.0%	1396.96+- 0.5%	14.1	290
23/ 4/80		3	NA	79.27+- 4.8%	1233.73+- 0.3%	15.6	330
28/ 5/80		3	NA	88.84+- 7.7%	1213.07+- 0.5%	13.7	700
17/ 9/80		3	34.187	53.93+- 6.2%	722.07+- 0.4%	13.4	4590
8/10/80		3	33.875	92.76+- 3.9%	1301.25+- 0.3%	14.0	4940
19/11/80		3	33.936	91.36+- 3.8%	1357.07+- 0.3%	14.9	4980
17/12/80		3	33.959	37.90+- 9.5%	642.48+- 0.5%	17.0	1083
13/ 5/81		3	NA	99.69+- 7.1%	1710.36+- 0.4%	17.2	1891
10/ 6/81		3	NA	77.20+- 8.8%	1333.23+- 0.5%	17.3	1894
11/ 7/81		3	NA	83.03+-12.7%	1212.75+- 0.7%	14.6	2413
12/ 8/81		3	NA	68.71+-25.4%	1084.60+- 1.2%	15.8	2416
10/ 9/81		3	NA	41.46+- 5.7%	748.93+- 0.4%	18.1	2420
21/10/81		3	33.732	75.50+- 3.1%	1359.07+- 0.2%	18.0	2760
18/11/81		3	NA	46.46+- 4.5%	1163.05+- 0.3%	25.0	2894
16/12/81		3	NA	32.75+-23.3%	794.88+- 0.8%	24.3	2898
6/ 1/82		3	NA	49.27+-24.8%	1318.28+- 0.9%	26.8	3445
18/ 2/82		3	NA	58.21+-24.3%	1333.88+- 1.0%	22.9	3446
31/ 3/82		3	NA	62.86+-21.5%	1254.13+- 1.0%	20.0	3575
14/ 4/82		3	NA	56.21+-23.7%	1291.35+- 1.0%	23.0	3578
19/ 5/82		3	NA	45.28+-28.4%	969.18+- 1.3%	21.4	4355
26/ 6/82		3	NA	30.20+-40.9%	742.70+- 1.6%	24.6	4367
14/ 7/82		3	NA	37.36+-33.1%	847.60+- 1.4%	22.7	4394
11/ 8/82		3	NA	38.80+-31.1%	1000.99+- 1.2%	25.8	4397
6/10/82		3	33.897	55.47+-23.1%	1420.99+- 1.0%	25.6	4916
10/11/82		3	NA	48.31+-24.5%	1463.41+- 0.9%	30.3	4919
8/12/82		3	NA	44.00+-26.2%	1576.31+- 0.8%	35.8	5302
16/ 3/83		3	34.022	34.25+-15.3%	644.39+- 0.7%	18.8	1105
18/ 4/83		3	34.017	34.11+-14.9%	675.59+- 0.7%	19.8	1375
16/ 5/83		3	33.930	22.75+-24.6%	613.09+- 0.9%	26.9	2040
13/ 6/83		3	33.805	NA	NA		2818
20/ 6/83		3	NA	23.48+-12.0%	458.51+- 0.7%	19.5	2820
27/ 6/83		3	33.878	NA	NA		2819
18/ 7/83		3	33.861	38.10+-10.3%	681.16+- 0.6%	17.9	3745

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 8/83		3	NA	24.98+-34.1%	584.17+- 1.4%	23.4	5863
12/ 9/83		3	NA	ND	565.49+- 1.3%		5866
27/ 1/84		3	34.125	ND	622.37+- 1.3%		548
20/ 2/84		3	34.056	22.10+-59.3%	533.39+- 2.4%	24.1	1083
5/ 3/84		3	33.726	25.11+-46.5%	631.54+- 1.9%	25.1	1087
19/ 3/84		3	30.987	ND	538.66+- 1.8%		1119
15/ 4/84		3	33.564	26.16+-17.7%	570.51+- 1.0%	21.8	1603
21/ 5/84		3	NA	17.46+-21.8%	678.61+- 0.7%	38.9	2461
13/ 8/84		3	NA	18.84+-14.4%	511.13+- 0.6%	27.1	3320
10/ 9/84		3	NA	12.65+-31.3%	390.90+- 1.1%	30.9	3489
15/10/84		3	34.308	ND	399.31+- 1.9%		4038
12/11/84		3	31.795	ND	561.59+- 1.5%		4061
11/12/84		3	NA	36.04+-35.5%	575.94+- 1.8%	16.0	4417
Site 46 NEA weather ships							
Station 1 Station A			55:15:00N 5:50:00W				
15/ 1/80		3	33.445	83.74+- 2.4%	1259.06+- 0.2%	15.0	9944
21/ 2/80		3	33.618	103.43+- 2.1%	1519.52+- 0.2%	14.7	9946
15/ 4/80		3	33.748	84.21+- 2.3%	1380.86+- 0.2%	16.4	22
15/ 5/80		3	33.686	83.25+- 2.2%	1209.07+- 0.2%	14.5	75
15/ 6/80		3	33.751	68.92+- 2.1%	1076.72+- 0.1%	15.6	453
15/ 7/80		3	33.954	61.23+- 2.7%	916.46+- 0.2%	15.0	455
15/ 8/80		3	35.110	60.37+- 3.2%	985.05+- 0.2%	16.3	1507
19/ 9/80		3	33.846	63.34+- 2.7%	1066.35+- 0.2%	16.8	1007
14/10/80		3	33.442	56.22+- 3.0%	899.79+- 0.2%	16.0	1012
15/11/80		3	33.366	63.33+- 2.9%	1044.74+- 0.2%	16.5	1501
15/12/80		3	33.779	61.02+- 3.1%	992.54+- 0.2%	16.3	1503
15/ 1/81		3	NA	47.87+- 3.4%	850.83+- 0.2%	17.8	1824
15/ 2/81		3	NA	40.82+- 3.8%	734.73+- 0.2%	18.0	1826
15/ 3/81		3	NA	80.03+- 2.5%	1367.34+- 0.2%	17.1	2402
15/ 4/81		3	NA	62.96+- 2.9%	1172.45+- 0.2%	18.6	2404
15/ 6/81		3	NA	63.67+- 6.4%	1337.47+- 0.3%	21.0	2423
15/ 7/81		3	NA	61.01+- 6.4%	1143.49+- 0.4%	18.7	2425
15/ 8/81		3	NA	56.05+- 6.7%	1203.67+- 0.4%	21.5	2427
15/ 9/81		3	NA	66.39+- 2.5%	1123.07+- 0.2%	16.9	2747
15/10/81		3	NA	58.51+- 2.6%	1205.21+- 0.2%	20.6	2749
15/11/81		3	NA	51.76+- 6.8%	1266.81+- 0.3%	24.5	2906
15/12/81		3	NA	46.72+- 2.0%	1112.56+- 0.2%	23.8	2908
15/ 1/82		3	NA	59.72+- 5.3%	1351.86+- 0.3%	22.6	3126
4/ 2/82		3	NA	10.54+-39.3%	143.21+- 3.0%	13.6	3740
15/ 3/82		3	NA	ND	138.04+- 2.0%		3744
1/ 4/82		3	NA	51.06+- 5.8%	1173.34+- 0.3%	23.0	3749
4/ 5/82		3	NA	29.92+- 9.3%	722.79+- 0.5%	24.2	3772
27/ 5/82		3	NA	29.64+-17.8%	704.63+- 0.8%	23.8	4191
28/ 6/82		3	NA	31.77+- 8.4%	777.46+- 0.4%	24.5	4196
21/ 7/82		3	NA	98.47+- 2.9%	2052.52+- 0.3%	20.8	4761
24/ 8/82		3	NA	23.79+-10.4%	535.44+- 0.6%	22.5	4759

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
19/ 9/82		3	34.076	66.92+- 4.0%	1446.19+- 0.3%	21.6	5155
23/10/82		3	33.643	51.50+- 5.0%	1181.19+- 0.3%	22.9	5188
12/11/82		3	30.753	150.13+- 1.3%	3585.53+- 0.1%	23.9	5193
6/ 1/83		3	32.489	55.56+- 2.4%	1292.68+- 0.2%	23.3	549
27/ 4/83		3	33.332	31.75+- 3.8%	788.76+- 0.2%	24.8	2236
30/ 5/83		3	33.939	30.11+- 4.0%	735.75+- 0.2%	24.4	2241
23/ 6/83		3	33.008	36.84+- 2.3%	908.54+- 0.2%	24.7	3300
25/ 7/83		3	33.491	27.27+- 8.9%	833.14+- 0.4%	30.6	3305
16/ 8/83		3	34.099	18.18+-13.8%	530.04+- 0.6%	29.2	4583
20/ 9/83		3	34.368	15.02+-16.5%	391.50+- 0.8%	26.1	4588
10/ 1/84		3	NA	13.22+- 9.3%	313.41+- 0.4%	23.7	559
2/ 2/84		3	NA	19.42+- 6.4%	554.94+- 0.3%	28.6	1097
29/ 3/84		3	33.555	28.99+- 4.5%	764.74+- 0.2%	26.4	2619
30/ 4/84		3	NA	25.90+- 6.3%	693.95+- 0.3%	26.8	2624
23/ 5/84		3	NA	22.94+- 6.3%	614.63+- 0.3%	26.8	2629
26/ 6/84		3	NA	13.70+-10.8%	373.58+- 0.5%	27.3	2634
19/ 7/84		3	33.909	18.86+- 8.9%	521.59+- 0.4%	27.7	3049
23/ 8/84		3	34.288	12.56+-12.8%	417.05+- 0.4%	33.2	3054
17/ 9/84		3	32.902	17.02+-10.4%	496.04+- 0.4%	29.1	3711
25/10/84		3	34.139	16.81+-10.7%	503.82+- 0.4%	30.0	3716
27/11/84		3	28.157	24.11+- 6.4%	682.26+- 0.3%	28.3	4194
19/12/84		3	33.886	25.64+- 7.8%	635.51+- 0.4%	24.8	4208
Site 46 NEA weather ships							
Station 2 Station B				55:27:00N	6:30:00W		
15/ 1/80		3	33.629	67.64+- 2.9%	1015.23+- 0.2%	15.0	9945
21/ 2/80		3	33.799	92.58+- 2.3%	1464.92+- 0.2%	15.8	9947
15/ 3/80		3	33.835	80.82+- 2.4%	1282.56+- 0.2%	15.9	21
15/ 4/80		3	33.870	78.78+- 2.4%	1282.49+- 0.2%	16.3	23
15/ 5/80		3	33.776	65.13+- 2.7%	1026.23+- 0.2%	15.8	76
15/ 6/80		3	34.344	30.61+- 2.8%	496.56+- 0.2%	16.2	454
15/ 7/80		3	34.130	48.96+- 3.2%	741.72+- 0.2%	15.1	456
15/ 8/80		3	NA	65.08+- 3.0%	1029.85+- 0.2%	15.8	1508
19/ 9/80		3	34.183	41.83+- 3.6%	629.49+- 0.3%	15.0	1008
14/10/80		3	34.191	32.11+- 4.2%	577.64+- 0.3%	18.0	1013
15/11/80		3	33.958	50.39+- 3.4%	816.02+- 0.2%	16.2	1502
15/12/80		3	33.827	41.36+- 4.2%	667.73+- 0.3%	16.1	1504
15/ 1/81		3	NA	27.09+- 5.4%	495.02+- 0.3%	18.3	1825
15/ 2/81		3	NA	12.90+-12.4%	176.01+- 0.8%	13.6	1827
15/ 3/81		3	NA	50.95+- 3.4%	945.06+- 0.2%	18.5	2403
15/ 4/81		3	NA	61.55+- 3.0%	1159.10+- 0.2%	18.8	2405
15/ 5/81		3	NA	64.43+- 6.5%	1403.43+- 0.3%	21.8	2422
15/ 6/81		3	NA	46.32+- 8.6%	969.65+- 0.4%	20.9	2424
15/ 7/81		3	NA	49.35+- 7.8%	998.17+- 0.4%	20.2	2426
15/ 8/81		3	NA	32.91+-11.1%	678.16+- 0.5%	20.6	2428
15/ 9/81		3	NA	42.89+- 3.1%	767.13+- 0.2%	17.9	2748

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
17/ 9/81		3	NA	23.34+-24.6%	325.96+- 0.7%	14.0	3712
15/10/81		3	NA	56.76+- 2.6%	1223.65+- 0.2%	21.6	2750
15/11/81		3	NA	63.54+- 1.8%	1202.60+- 0.2%	18.9	2907
15/12/81		3	NA	25.11+- 3.6%	493.95+- 0.3%	19.7	2909
15/ 1/82		3	NA	52.95+- 5.9%	1295.97+- 0.3%	24.5	3127
4/ 2/82		3	NA	ND	164.56+- 1.8%		3741
15/ 3/82		3	NA	ND	157.35+- 2.0%		3745
1/ 4/82		3	NA	32.84+- 8.7%	771.48+- 0.5%	23.5	3768
4/ 5/82		3	NA	19.60+-13.9%	517.13+- 0.6%	26.4	3827
27/ 5/82		3	NA	36.34+- 7.6%	860.38+- 0.4%	23.7	4192
28/ 6/82		3	NA	7.75+-26.1%	277.87+- 1.0%	35.9	4197
22/ 7/82		3	NA	78.20+- 3.2%	1678.58+- 0.3%	21.5	4766
24/ 8/82		3	NA	12.95+-16.6%	199.40+- 1.1%	15.4	4760
19/ 9/82		3	34.337	28.58+- 8.8%	679.71+- 0.5%	23.8	5156
22/10/82		3	33.840	53.23+- 4.8%	1248.43+- 0.3%	23.5	5189
12/11/82		3	32.605	103.71+- 1.4%	2397.80+- 0.1%	23.1	5225
6/ 1/83		3	33.654	48.18+- 2.7%	1154.18+- 0.2%	24.0	550
27/ 4/83		3	33.966	21.74+- 5.4%	570.49+- 0.3%	26.2	2237
30/ 5/83		3	33.797	32.34+- 3.7%	829.29+- 0.2%	25.6	2242
23/ 6/83		3	34.340	24.62+- 3.5%	613.69+- 0.2%	24.9	3301
25/ 7/83		3	34.217	11.70+-21.4%	402.61+- 0.7%	34.4	3306
16/ 8/83		3	34.444	7.98+-30.7%	308.97+- 0.9%	38.7	4584
20/ 9/83		3	34.457	12.43+-19.8%	317.31+- 0.9%	25.5	4589
8/12/83		3	34.286	20.40+-10.7%	516.93+- 0.5%	25.3	5954
10/ 1/84		3	NA	5.84+-20.6%	141.77+- 0.8%	24.3	560
2/ 2/84		3	NA	11.33+-10.5%	390.66+- 0.4%	34.5	1098
6/ 3/84		3	NA	10.19+-16.5%	253.77+- 0.7%	24.9	1103
29/ 3/84		3	33.779	26.56+- 5.0%	647.02+- 0.3%	24.4	2620
30/ 4/84		3	NA	19.45+- 8.5%	489.23+- 0.4%	25.1	2625
23/ 5/84		3	NA	16.73+- 7.7%	448.86+- 0.4%	26.8	2630
26/ 6/84		3	NA	11.81+-12.8%	366.07+- 0.5%	31.0	2635
19/ 7/84		3	34.235	12.24+-12.8%	343.66+- 0.5%	28.1	3050
23/ 8/84		3	34.043	12.69+-15.8%	439.12+- 0.5%	34.6	3055
17/ 9/84		3	34.219	NA	NA		3712
28/11/84		3	34.424	17.71+- 8.6%	503.00+- 0.4%	28.4	4195
18/12/84		3	34.042	31.82+-11.3%	658.14+- 0.5%	20.7	4209
Site 46 NEA weather ships							
Station 3 Station C							
				55:34:00N	7:30:00W		
15/ 1/80		3	35.007	ND	23.25+- 1.6%		9970
15/ 2/80		3	34.937	ND	34.61+- 1.1%		9973
15/ 3/80		3	34.837	13.37+- 5.5%	180.83+- 0.4%	13.5	3
15/ 4/80		3	34.801	8.73+- 8.0%	152.35+- 0.4%	17.4	6
15/ 5/80		3	34.021	50.94+- 2.1%	844.75+- 0.1%	16.6	402
27/ 6/80		3	34.366	30.70+- 2.9%	502.89+- 0.2%	16.4	1001
25/ 7/80		3	34.942	ND	59.96+- 0.6%		1004

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15/ 8/80		3	35.098	51.25+- 2.3%	887.73+- 0.1%	17.3	1509
19/ 9/80		3	34.755	ND	51.76+- 0.7%		1009
15/10/80		3	34.976	ND	51.63+- 0.8%		1014
15/11/80		3	35.023	6.88+-10.7%	149.65+- 0.4%	21.7	1512
15/12/80		3	35.105	ND	384.66+- 0.2%		1515
15/ 1/81		3	35.029	ND	19.73+- 3.5%		1546
15/ 2/81		3	34.963	ND	17.99+- 3.9%		1549
15/ 3/81		3	33.939	62.51+- 2.8%	986.78+- 0.2%	15.8	2718
15/ 4/81		3	34.086	44.54+- 3.6%	729.96+- 0.2%	16.4	2721
15/ 5/81		3	34.738	ND	58.46+- 2.5%		2474
15/ 6/81		3	34.496	ND	30.12+- 4.5%		2471
15/ 7/81		3	34.074	13.15+- 7.6%	293.44+- 0.4%	22.3	2468
15/ 8/81		3	34.795	ND	32.83+- 1.6%		2475
15/ 9/81		3	NA	14.50+- 6.1%	175.66+- 0.5%	12.1	2771
15/10/81		3	NA	48.35+- 2.0%	1011.56+- 0.2%	20.9	2774
15/11/81		3	NA	7.38+-22.2%	99.41+- 1.2%	13.5	2926
15/12/81		3	35.188	51.72+- 3.1%	1106.77+- 0.2%	21.4	2937
15/ 1/82		3	NA	46.83+- 3.3%	1047.29+- 0.2%	22.4	3615
4/ 2/82		3	NA	8.83+-32.2%	120.40+- 1.8%	13.6	3742
15/ 3/82		3	NA	8.03+-34.1%	110.63+- 1.9%	13.8	3746
1/ 4/82		3	NA	37.83+- 3.8%	857.14+- 0.2%	22.7	3769
27/ 5/82		3	NA	5.34+-24.6%	88.72+- 1.2%	16.6	4193
22/ 7/82		3	NA	63.51+- 2.2%	1438.83+- 0.2%	22.7	4762
19/ 9/82		3	34.452	30.47+- 4.1%	691.42+- 0.3%	22.7	5157
8/ 2/83		3	35.443	ND	5.25+-11.7%		556
4/ 4/83		3	35.296	ND	5.77+-10.7%		1073
28/ 4/83		3	34.620	8.14+-14.0%	160.55+- 0.7%	19.7	2238
30/ 5/83		3	34.826	ND	35.91+- 1.9%		2243
23/ 6/83		3	34.725	ND	35.43+- 1.3%		3302
25/ 7/83		3	34.831	ND	3.84+-34.8%		3307
17/ 8/83		3	34.750	7.12+-35.2%	229.99+- 1.1%	32.3	4585
20/ 9/83		3	35.023	ND	4.29+-29.9%		4590
8/12/83		3	35.052	ND	30.49+- 3.2%		5955
10/ 1/84		3	NA	ND	6.08+-10.4%		561
2/ 2/84		3	NA	ND	8.30+- 8.4%		1099
5/ 3/84		3	NA	ND	5.33+-16.7%		1104
29/ 3/84		3	34.520	6.63+-21.8%	167.51+- 0.8%	25.3	2621
30/ 4/84		3	NA	ND	3.54+-20.7%		2626
24/ 5/84		3	NA	ND	21.55+- 3.1%		2631
26/ 6/84		3	NA	ND	4.15+-15.5%		2636
19/ 7/84		3	34.855	ND	76.88+- 1.1%		3051
23/ 8/84		3	35.031	ND	8.17+- 9.2%		3056
17/ 9/84		3	35.061	ND	19.63+- 3.5%		3713
25/10/84		3	35.165	ND	7.84+-10.5%		3718
28/11/84		3	35.266	ND	23.65+- 3.7%		4205
17/12/84		3	NA	ND	10.51+-16.0%		4210

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 46 NEA weather ships							
Station 4 Station D							
55:55:00N 10:30:00W							
15/ 1/80		3	35.354	ND	9.27+- 3.8%		9971
15/ 2/80		3	35.280	ND	12.24+- 2.9%		9979
15/ 5/80		3	35.350	ND	8.86+- 3.9%		403
25/ 7/80		3	35.374	ND	13.71+- 2.5%		1005
15/ 8/80		3	35.150	ND	3.61+- 9.6%		1510
19/ 9/80		3	35.255	ND	6.99+- 4.8%		1010
15/11/80		3	35.020	ND	3.68+- 9.4%		1513
15/12/80		3	35.074	ND	11.65+- 3.0%		1516
15/ 1/81		3	35.422	ND	8.69+- 4.0%		1547
15/ 2/81		3	35.400	ND	8.17+- 4.1%		1550
15/ 4/81		3	35.345	ND	23.54+- 2.9%		2722
15/ 6/81		3	35.311	ND	5.47+- 8.1%		2470
15/ 7/81		3	34.969	ND	19.19+- 2.5%		2467
15/ 8/81		3	35.156	ND	5.64+-22.3%		2476
15/ 9/81		3	NA	ND	4.79+- 9.9%		2772
15/10/81		3	NA	ND	7.50+- 6.0%		2775
6/11/81		3	NA	ND	17.06+- 1.6%		2935
15/ 3/82		3	NA	ND	14.60+- 3.2%		3747
1/ 4/82		3	NA	ND	11.36+- 5.4%		3770
3/ 5/82		3	NA	ND	3.46+-17.5%		3829
23/ 8/82		3	NA	ND	5.16+-11.8%		4781
22/10/82		3	35.310	ND	24.54+- 2.6%		5160
8/ 2/83		3	35.445	ND	2.51+-24.2%		557
28/ 4/83		3	35.455	ND	3.65+-16.6%		2239
30/ 5/83		3	35.372	ND	15.33+-39.7%		2244
23/ 6/83		3	35.352	ND	8.33+- 5.6%		3303
25/ 7/83		3	35.423	ND	ND		3308
17/ 8/83		3	35.352	ND	3.79+-33.8%		4586
19/ 9/83		3	35.396	ND	2.59+-49.2%		4591
8/12/83		3	35.055	ND	5.49+-16.3%		5956
9/ 1/84		3	NA	ND	3.94+-15.7%		562
3/ 2/84		3	NA	ND	5.87+-15.2%		1100
5/ 3/84		3	NA	ND	3.54+-24.9%		1105
29/ 3/84		3	NA	ND	4.79+-13.3%		2622
30/ 4/84		3	NA	ND	4.06+-23.3%		2627
24/ 5/84		3	NA	ND	2.50+-27.3%		2632
25/ 6/84		3	NA	ND	3.53+-29.1%		2637
23/ 8/84		3	35.354	ND	4.12+-24.4%		3057
18/ 9/84		3	35.280	ND	9.59+- 8.4%		3714
24/10/84		3	35.416	ND	4.25+-15.7%		3719
29/11/84		3	35.877	ND	5.12+-16.4%		4206
17/12/84		3	35.463	NA	7.00+-12.7%		4211

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 46 NEA weather ships							
Station 5 Station E				57:00:00N	20:00:00W		
15/ 1/80		3	35.356	ND	3.38+-10.2%		9972
15/ 2/80		3	35.288	ND	3.96+- 8.8%		9980
15/ 3/80		3	35.338	ND	3.24+-10.7%		5
27/ 7/80		3	35.445	ND	3.04+-11.0%		1006
15/ 8/80		3	35.135	ND	3.10+-10.9%		1511
28/ 9/80		3	35.399	ND	1.89+-17.7%		1011
17/10/80		3	35.249	ND	3.38+- 9.9%		1016
15/11/80		3	35.113	ND	1.93+-17.8%		1514
15/12/80		3	35.099	ND	2.46+-13.9%		1517
15/ 1/81		3	35.341	ND	5.12+- 6.5%		1548
15/ 3/81		3	35.276	ND	5.74+-11.5%		2720
15/ 4/81		3	35.260	ND	5.53+-11.9%		2723
15/ 5/81		3	34.920	ND	4.54+- 9.8%		2472
15/ 6/81		3	34.974	ND	5.95+- 7.5%		2469
15/ 7/81		3	34.876	ND	5.85+- 7.6%		2466
15/ 8/81		3	34.909	ND	3.53+-35.5%		2477
15/10/81		3	NA	ND	3.32+-13.1%		2776
10/ 1/82		3	NA	ND	3.40+- 6.3%		3617
5/ 2/82		3	NA	ND	4.85+- 8.9%		3743
15/ 3/82		3	NA	ND	3.82+-31.4%		3748
2/ 4/82		3	NA	ND	3.41+-17.8%		3771
22/ 8/82		3	NA	ND	3.67+-16.4%		4757
7/ 2/83		3	35.430	ND	3.06+-20.0%		558
30/ 4/83		3	35.300	ND	2.53+-23.9%		2240
28/ 5/83		3	35.294	ND	3.56+-17.2%		2245
23/ 7/83		3	35.310	ND	2.85+-42.2%		3309
19/ 8/83		3	35.398	ND	2.79+-47.8%		4587
18/ 9/83		3	35.352	ND	ND		4592
11/12/83		3	35.034	ND	2.93+-30.3%		5957
7/ 1/84		3	NA	ND	2.77+-21.8%		563
8/ 2/84		3	NA	ND	7.51+-12.9%		1101
4/ 3/84		3	NA	ND	3.64+-24.3%		1106
4/ 4/84		3	NA	ND	3.74+-21.7%		2623
29/ 4/84		3	NA	ND	2.80+-36.0%		2628
26/ 5/84		3	NA	ND	3.31+-21.6%		2633
24/ 6/84		3	NA	ND	3.14+-23.8%		2638
22/ 8/84		3	35.469	ND	3.96+-20.7%		3058
22/ 9/84		3	35.266	ND	3.96+-16.9%		3715
24/10/84		3	35.465	ND	2.56+-26.4%		3720
1/12/84		3	35.546	ND	3.07+-24.6%		4207
16/12/84		3	35.435	NA	2.37+-41.2%		4212

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
<i>Site 47 NEA Challenger line</i>							
<i>Station 11 Challenger mooring Y 56:37:00N 6:25:00W</i>							
27/ 1/82		3	33.747	40.36+- 8.1%	928.38+- 0.4%	23.0	4930
<i>Site 47 NEA Challenger line</i>							
<i>Station 14 Tیره Passage East 56:37:00N 6:21:00W</i>							
28/ 6/82		3	NA	12.48+-44.9%	452.66+- 1.2%	36.3	4778
28/ 6/82		50	NA	ND	389.54+- 0.9%		4775
<i>Site 47 NEA Challenger line</i>							
<i>Station 13 Tیره Passage Centre 56:37:00N 6:23:00W</i>							
28/ 6/82		3	NA	ND	376.35+- 0.9%		4777
28/ 6/82		50	NA	13.47+-40.0%	441.72+- 1.1%	32.8	4774
<i>Site 47 NEA Challenger line</i>							
<i>Station 12 Tیره Passage West 56:38:00N 6:28:00W</i>							
28/ 6/82		3	NA	21.85+-21.9%	375.38+- 1.2%	17.2	4776
28/ 6/82		50	NA	18.85+-25.4%	322.93+- 1.3%	17.1	4773
<i>Site 47 NEA Challenger line</i>							
<i>Station 1 Challenger St 1 56:40:00N 6:08:00W</i>							
5/ 3/80		3	33.747	67.04+- 2.8%	977.73+- 0.2%	14.6	9958
22/ 4/80		3	34.145	49.28+- 3.6%	760.94+- 0.2%	15.4	405
31/ 5/80		3	34.230	41.77+- 4.0%	632.13+- 0.3%	15.1	1017
4/ 9/80		3	34.926	35.66+- 5.2%	604.15+- 0.3%	16.9	1531
2/10/80		3	35.140	24.73+- 6.9%	428.81+- 0.4%	17.3	1541
27/ 1/81		3	32.878	14.24+- 9.9%	289.85+- 0.5%	20.4	1816
14/ 4/81		3	NA	34.98+- 3.6%	620.75+- 0.2%	17.7	2708
15/ 7/81		3	NA	40.89+- 3.5%	806.02+- 0.2%	19.7	2780
27/ 1/82		3	NA	44.63+- 7.6%	938.66+- 0.4%	21.0	3553
26/ 4/82		3	NA	25.10+-11.1%	579.69+- 0.5%	23.1	3847
19/ 8/82		3	NA	13.18+-18.7%	426.22+- 0.7%	32.3	4765
9/ 2/83		3	32.123	23.91+- 6.2%	491.26+- 0.3%	20.5	4886
23/ 5/83		3	33.830	14.01+-21.0%	404.40+- 0.8%	28.9	2155
15/ 8/83		3	34.245	15.17+-16.7%	411.63+- 0.7%	27.1	4199
17/ 1/84		3	32.867	8.14+-16.1%	302.41+- 0.5%	37.1	2647
30/ 4/84	112	3	NA	13.30+-21.8%	304.41+- 1.0%	22.9	2602
30/ 4/84	112	30	34.001	7.66+-31.3%	326.11+- 0.8%	42.6	2603
30/ 4/84	112	70	NA	11.78+-28.5%	331.06+- 1.1%	28.1	2604
26/ 6/84	81	3	34.302	12.09+- 6.6%	323.76+- 0.3%	26.8	2614
26/ 6/84	81	25	34.237	7.91+-28.9%	293.85+- 0.8%	37.1	2615

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
19/ 8/82		3	NA	10.77+-23.4%	320.91+- 0.8%	29.8	4771
14/12/82		3	NA	ND	121.42+- 1.4%		5630
9/ 2/83		3	35.169	4.97+-30.2%	87.37+- 1.4%	17.6	4891
24/ 5/83		3	34.193	17.62+-15.4%	489.01+- 0.7%	27.8	2231
15/ 8/83		3	34.419	14.34+-18.0%	393.91+- 0.8%	27.5	4204
15/11/83		3	34.995	ND	68.86+- 1.6%		5474
15/11/83		3	NA	ND	9.74+- 9.4%		5473
24/ 1/84		3	34.967	5.48+-24.7%	77.96+- 1.6%	14.2	1125
26/ 6/84	163	3	NA	ND	105.44+- 2.0%		2689
26/ 6/84	163	75	35.396	ND	2.40+-53.9%		2690
26/ 6/84	163	150	35.402	ND	4.09+-31.8%		2691
2/12/84	156	3	35.050	ND	37.03+- 5.0%		4121
2/12/84	156	70	35.001	ND	12.02+-11.0%		4743
2/12/84	156	145	35.128	ND	13.35+- 5.7%		4738
Site 47 NEA Challenger line							
Station 7 Challenger St 7 56:44:00N 7:39:00W							
4/ 3/80		3	34.581	29.47+- 5.2%	456.91+- 0.3%	15.5	9964
22/ 4/80		3	34.888	32.67+- 5.0%	489.73+- 0.3%	15.0	411
1/ 6/80		3	34.725	24.57+- 6.6%	353.74+- 0.4%	14.4	1023
4/ 9/80		3	35.302	16.42+-11.0%	248.67+- 0.6%	15.1	1537
2/10/80		3	35.016	ND	39.96+- 2.1%		1029
28/ 1/81		3	35.037	ND	87.90+- 0.9%		1822
13/ 4/81		3	NA	17.62+- 6.5%	364.94+- 0.3%	20.7	2714
15/ 7/81		3	NA	20.85+- 6.5%	322.33+- 0.4%	15.5	2786
31/ 1/82		3	NA	30.23+-10.9%	696.12+- 0.5%	23.0	3559
26/ 4/82		3	NA	6.19+-31.2%	212.68+- 1.1%	34.4	4113
19/ 8/82		3	NA	6.40+-40.4%	239.39+- 1.1%	37.4	4772
10/ 2/83		3	34.665	19.92+-14.6%	247.84+- 1.0%	12.4	4892
24/ 5/83		3	34.059	23.45+-12.7%	629.13+- 0.6%	26.8	2232
16/ 8/83		3	34.299	NA	NA		4205
15/11/83		3	34.955	3.89+-41.2%	103.43+- 1.6%	26.6	5475
24/ 1/84		3	34.999	ND	65.75+- 1.2%		2648
26/ 6/84	68	3	34.840	ND	138.81+- 1.1%		2692
26/ 6/84	68	30	34.833	6.82+-35.5%	138.01+- 1.7%	20.2	2693
26/ 6/84	68	60	34.903	ND	125.35+- 1.2%		2694
2/12/84	60	3	34.973	ND	57.02+- 3.9%		4122
2/12/84	60	25	35.005	6.26+-59.6%	51.61+- 4.4%	8.2	4733
2/12/84	60	50	34.987	6.32+-57.6%	49.19+- 4.6%	7.8	4732

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
<i>Site 47 NEA Challenger line</i>							
<i>Station 8 Challenger St 8</i>							
				<i>56:47:00N 8:00:00W</i>			
4/ 3/80		3	34.659	30.49+- 5.0%	418.34+- 0.3%	13.7	9965
4/ 3/80		3	35.065	3.18+-24.4%	77.17+- 0.7%	24.3	9968
22/ 4/80		3	34.820	16.61+- 9.4%	289.21+- 0.5%	17.4	412
1/ 6/80		3	34.710	26.53+- 6.1%	380.17+- 0.4%	14.3	1024
4/ 9/80		3	35.246	17.61+- 9.3%	293.61+- 0.5%	16.7	1538
2/10/80		3	35.056	ND	48.72+- 1.7%		1030
28/ 1/81		3	35.062	ND	74.37+- 1.1%		1823
13/ 4/81		3	NA	15.85+- 7.0%	257.12+- 0.4%	16.2	2715
15/ 7/81		3	NA	19.88+- 6.5%	435.09+- 0.3%	21.9	2787
31/ 1/82		3	NA	22.82+-14.3%	393.42+- 0.8%	17.2	3560
26/ 4/82		3	NA	11.30+-24.5%	252.79+- 1.0%	22.4	4114
19/ 2/83		3	34.992	9.54+-15.3%	135.87+- 0.9%	14.2	4893
24/ 5/83		3	34.136	20.97+-13.0%	574.57+- 0.6%	27.4	2233
16/ 8/83		3	34.626	NA	NA		4206
24/ 1/84		3	35.055	ND	57.48+- 1.3%		2649
27/ 6/84	127	3	34.830	7.18+-26.8%	141.27+- 1.4%	19.7	2695
27/ 6/84	127	40	34.975	ND	99.84+- 1.4%		2696
27/ 6/84	127	100	35.227	ND	43.48+- 3.0%		2697
2/12/84	125	3	35.145	ND	24.64+- 7.4%		4123
2/12/84	125	110	35.125	ND	17.02+- 7.7%		4785
<i>Site 47 NEA Challenger line</i>							
<i>Station 9 Challenger St 9</i>							
				<i>56:53:00N 8:30:00W</i>			
4/ 3/80		3	35.174	ND	52.96+- 0.7%		9966
4/ 3/80		3	35.375	ND	5.86+- 5.7%		9969
22/ 4/80		3	34.765	21.06+- 4.4%	342.26+- 0.2%	16.3	420
1/ 6/80		3	34.954	16.94+- 6.3%	277.13+- 0.3%	16.4	1025
4/ 9/80		3	35.224	ND	24.30+- 2.2%		1539
2/10/80		3	35.250	ND	15.08+- 2.4%		1031
29/ 1/81		3	35.452	ND	41.27+- 1.0%		1830
13/ 4/81		3	NA	ND	59.89+- 1.0%		2716
15/ 7/81		3	NA	12.95+- 9.7%	235.31+- 0.5%	18.2	2788
31/ 1/82		3	NA	ND	9.28+-13.3%		3561
26/ 4/82		3	NA	ND	92.83+- 1.7%		4115
24/ 5/83		3	35.185	ND	36.21+- 3.9%		2234
16/ 8/83		3	35.164	NA	NA		4207
25/ 1/84		3	35.307	ND	6.97+- 7.1%		2650
27/ 6/84	131	3	35.348	ND	9.96+- 4.5%		2698

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
27/ 6/84	131	100	NA	ND	8.40+- 7.8%		2699
2/12/84	130	3	35.029	ND	15.31+-11.8%		4124
2/12/84	130	120	35.253	ND	10.10+-11.8%		4735
Site NEA 47 Challenger line							
Station 10 Challenger St 10				57:00:00N	9:00:00W		
4/ 3/80		3	35.385	ND	5.89+- 5.7%		9967
5/ 5/80		3	35.411	ND	7.09+- 5.0%		1027
1/ 6/80		3	35.380	ND	26.54+- 1.3%		1026
4/ 9/80		3	35.146	ND	2.93+-17.3%		1540
2/10/80		3	35.307	ND	7.04+- 5.1%		1032
29/ 1/81		3	35.398	ND	4.03+- 9.0%		1831
13/ 4/81		3	NA	ND	2.30+-22.5%		2717
1/ 2/82		3	NA	ND	6.48+-18.9%		3562
18/ 2/83		3	35.377	ND	7.18+-10.0%		4895
24/ 5/83		3	35.449	ND	4.00+-32.4%		2235
16/ 8/83		3	35.537	NA	NA		4208
25/ 1/84		3	35.401	ND	5.11+-11.2%		1126
27/ 6/84	137	3	35.418	ND	6.63+- 6.8%		2700
27/ 6/84	137	125	35.413	ND	4.07+-13.3%		2701
2/12/84	135	3	35.299	ND	3.20+-55.1%		4125
2/12/84	135	125	35.348	ND	3.61+-18.7%		4737
Site 48 DAFS water samples							
Station 1 Cape Wrath				58:40:00N	5:00:00W		
10/ 3/82		3	NA	14.61+-12.5%	431.50+- 0.4%	29.5	4372
18/ 3/82		3	NA	17.54+-10.4%	480.61+- 0.4%	27.4	4373
15/ 4/82		3	NA	27.10+- 6.7%	491.36+- 0.4%	18.1	4374
13/ 5/82		3	34.208	14.87+-11.4%	442.05+- 0.4%	29.7	4459
5/ 7/82		3	34.375	ND	349.49+- 1.0%		4933
24/ 7/82		3	34.466	ND	300.18+- 1.1%		4934
19/ 9/82		3	34.495	ND	214.09+- 1.5%		4935
16/10/82		3	34.362	ND	259.40+- 1.3%		4936
12/11/82		3	34.407	11.28+-20.4%	242.54+- 0.9%	21.5	5333
12/12/82		3	34.345	10.73+-21.7%	304.35+- 0.8%	28.4	5335
11/ 3/83		3	NA	16.73+-13.9%	353.09+- 0.7%	21.1	2398
11/ 3/83		3	33.848	17.17+-13.6%	383.52+- 0.6%	22.3	2455
7/ 4/83		3	34.324	9.20+-34.5%	323.80+- 1.0%	35.2	2402
1/ 6/83		3	34.561	4.77+-41.2%	228.54+- 0.9%	47.9	2454
9/ 6/83		3	34.623	9.76+-31.2%	209.28+- 1.5%	21.4	2450
1/ 9/83		3	34.518	8.08+-41.7%	250.37+- 1.3%	31.0	5108
18/ 9/83		3	34.484	10.65+-45.4%	242.73+- 2.0%	22.8	5093
14/10/83		3	34.287	13.49+-24.2%	276.15+- 1.2%	20.5	5113

ANNEX 2. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}):
routine offshore sampling, 1980-84

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
12/11/83		3	34.280	ND	202.27+- 1.0%		5918
19/12/83		3	34.744	ND	187.50+- 1.7%		5915
7/ 2/84		3	NA	6.21+-60.2%	121.13+- 2.6%	19.5	3256
13/ 4/84		3	34.459	ND	160.37+- 1.9%		3252
19/ 5/84		3	NA	ND	150.84+- 1.4%		3255
24/ 6/84		3	NA	ND	136.22+- 2.2%		3253
20/ 7/84		3	NA	ND	137.03+- 1.5%		3254
1/ 8/84		3	NA	ND	138.69+- 1.5%		3257
15/ 9/84		3	34.764	5.96+-56.7%	127.79+- 2.5%	21.5	3644
12/10/84		3	34.702	ND	119.94+- 2.5%		4188
18/11/84		3	35.074	9.12+-53.4%	135.95+- 3.3%	14.9	4186
Site 48 DAFS water samples							
Station 2 Pentland Firth							
58:40:00N 2:59:00W							
18/ 3/82		3	NA	6.30+-28.2%	259.40+- 0.6%	41.2	4375
15/ 4/82		3	NA	7.04+-24.7%	258.23+- 0.6%	36.7	4376
13/ 5/82		3	34.489	18.98+- 9.4%	345.93+- 0.5%	18.2	4460
4/ 7/82		3	34.756	ND	212.33+- 1.5%		4937
24/ 7/82		3	34.737	ND	218.42+- 1.5%		4938
1/ 9/82		3	34.813	ND	188.39+- 1.6%		4939
20/ 9/82		3	34.817	ND	173.13+- 1.7%		4940
17/10/82		3	34.846	ND	137.73+- 2.1%		4941
11/11/82		3	34.726	10.26+-22.9%	178.79+- 1.2%	17.4	5463
7/ 4/83		3	34.786	ND	179.22+- 0.8%		2458
2/ 6/83		3	34.748	7.75+-28.5%	169.25+- 1.3%	21.8	2456
8/ 6/83		3	34.708	8.45+-35.3%	189.02+- 1.6%	22.4	2449
7/ 7/83		3	34.794	ND	164.00+- 1.9%		3298
18/ 8/83		3	34.746	ND	176.40+- 1.8%		5089
19/ 9/83		3	34.847	ND	155.25+- 2.0%		5114
29/ 9/83		3	34.892	NA	NA		5111
10/11/83		3	34.569	ND	207.17+- 1.1%		5917
8/12/83		3	34.664	ND	174.10+- 1.3%		5914
2/ 2/84		3	34.804	ND	113.07+- 2.4%		3249
8/ 2/84		3	34.701	ND	107.20+- 3.3%		3244
4/ 3/84		3	34.883	ND	89.09+- 3.2%		3248
12/ 4/84		3	NA	ND	128.93+- 1.6%		3247
20/ 5/84		3	NA	ND	110.50+- 1.9%		3250
22/ 6/84		3	34.756	ND	97.34+- 2.9%		3245
20/ 7/84		3	NA	ND	78.56+- 2.6%		3251
31/ 7/84		3	34.849	8.68+-55.5%	94.63+- 4.6%	10.9	3246
15/ 9/84		3		ND	77.38+- 3.6%		3641
12/10/84		3	35.267	ND	76.22+- 3.7%		4185

ANNEX 3. CONCENTRATIONS OF ¹³⁴CS AND ¹³⁷CS IN FILTERED SEAWATER (Bq m⁻³); NON-ROUTINE OFFSHORE SAMPLING, 1980-84

ANNEX 3. Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 38 Cirolana									
4008	1/ 4/80	56:15:18N 8:42:42W	136	3	35.400	ND	6.91+- 9.7%		55
4009	1/ 4/80	55:44:42N 8:45:18W	113	3	35.240	ND	5.74+-11.5%		64
4011	2/ 4/80	55:14:36N 8:43:12W	98	3	35.019	ND	7.72+- 8.6%		87
4013	2/ 4/80	55:16: 6N 9:44:48W	174	3	35.340	ND	6.10+-10.8%		67
4015	2/ 4/80	54:45: 6N 9:43:36W	106	3	35.108	ND	2.66+-25.0%		84
4017	2/ 4/80	54:44:54N 10:43:36W	1770	3	35.432	ND	5.08+-13.5%		94
4019	2/ 4/80	54:45:12N 11:43: 0W	2870	3	35.387	ND	3.09+-22.3%		91
4026	3/ 4/80	53:25:36N 13:15:30W	200	3	35.520	ND	3.80+-17.5%		77
4029	3/ 4/80	53:45:18N 11:47: 6W	308	3	36.000	ND	3.92+-17.5%		93
4031	4/ 4/80	53:45: 0N 10:47: 0W	141	3	35.306	ND	4.84+-13.6%		66
4033	4/ 4/80	53:15:12N 10:30: 6W	111	3	34.613	ND	6.80+- 9.8%		83
4035	4/ 4/80	52:45:18N 10:42:48W	126	3	35.223	ND	7.85+- 8.5%		59
4040	4/ 4/80	52:42:24N 12:45: 6W	496	3	35.457	ND	4.68+-14.2%		56
4049	5/ 4/80	51:44:36N 12:48:30W	1306	3	35.482	ND	3.37+-19.7%		57
4053	6/ 4/80	51:44:42N 10:44:24W	144	3	34.750	ND	12.45+- 5.4%		53
4056	6/ 4/80	51:16:24N 9:44:42W	100	3	34.963	ND	11.78+- 5.7%		58
4057	7/ 4/80	51:15: 0N 8:55: 0W	100	3	35.051	ND	17.59+- 4.0%		98
4058	7/ 4/80	50:45: 0N 8:55: 0W	120	3	35.309	ND	5.37+-12.4%		82
4060	7/ 4/80	50:45:48N 9:43:18W	124	3	35.127	ND	10.21+- 6.8%		90
4062	7/ 4/80	50:45: 0N 10:43:54W	175	3	35.443	ND	2.57+-25.9%		54
4065	7/ 4/80	50:45: 6N 11:43:18W	1900	3	35.504	ND	4.77+-13.8%		65
4067	7/ 4/80	50:45:36N 12:43: 6W	2250	3	35.524	ND	3.00+-22.1%		88
4142	15/ 4/80	50: 1:30N 2: 0: 0W	64	3	35.252	ND	10.02+- 6.7%		79
4143	15/ 4/80	50:12:18N 1: 0: 0W	51	3	35.217	ND	7.27+- 9.2%		81
4144	15/ 4/80	50:12:24N 0: 0: 0W	61	3	35.195	ND	8.98+- 7.4%		92
4145	16/ 4/80	50:58:24N 1:33: 6E	42	3	34.278	ND	12.14+- 5.5%		61
4146	16/ 4/80	51:30:36N 1:46:42E	43	3	34.603	ND	14.64+- 4.6%		89
4147	16/ 4/80	51:59:18N 1:50:54E	30	3	34.650	ND	37.59+- 1.8%		62
4148	16/ 4/80	52:29:48N 1:58:42E	51	3	33.353	19.43+- 7.4%	327.83+- 0.4%	16.9	80

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
4149	16/ 4/80	52:51: 6N 1:39:36E	65	3	33.426	18.82+- 7.6%	344.56+- 0.4%	18.3	78
4150	16/ 4/80	53:32: 0N 0:30:30E	24	3	34.221	23.41+- 6.0%	379.94+- 0.3%	16.2	63
Site 38 Cirolana									
6001	6/ 6/80	49:53:30N 4:53:42W	93	3	34.505	ND	12.85+- 5.0%		1522
6002	6/ 6/80	49:44: 0N 7: 1: 0W	121	3	35.084	ND	8.02+- 4.7%		1524
6003	7/ 6/80	49:26:18N 9: 0: 0W	137	3	35.131	ND	3.77+- 9.2%		1525
6004	7/ 6/80	49:13:30N 11: 0: 6W	175	3	34.991	ND	5.30+- 7.1%		1526
6007	7/ 6/80	49: 0:54N 13: 5:30W		3	35.127	ND	12.14+- 2.9%		1527
6011	6/ 6/80	49: 5: 0N 13:48:18W		3	34.905	ND	3.33+-20.4%		1523
6015	8/ 6/80	49:11:36N 15: 0: 0W		3	35.119	ND	3.87+- 9.0%		1528
6046	10/ 6/80	52:28:24N 17:44: 6W		3	35.105	ND	3.37+-10.3%		1529
6134	20/ 6/80	45:59:48N 17: 4:24W		3	35.114	ND	1.88+-18.1%		1530
Site 38 Cirolana									
8001	28/ 8/80	54: 0: 0N 0:19:18E		3	34.261	11.52+- 8.5%	239.21+- 0.4%	20.8	10000
8002	29/ 8/80	54:30:54N 0:17:36E	60	3	34.365	10.33+- 9.5%	207.20+- 0.4%	20.1	10001
8006	29/ 8/80	55: 3:36N 0:55:54W	76	3	34.421	7.48+-13.1%	171.87+- 0.5%	23.0	10002
8009	29/ 8/80	55:47:24N 0:50:42W	82	3	34.430	7.43+-13.2%	152.14+- 0.6%	20.5	10003
8010	30/ 8/80	56: 0: 0N 0: 0: 6E	87	3	34.650	5.00+-19.3%	128.40+- 0.7%	25.7	10004
8011	30/ 8/80	56: 0: 0N 1:30: 0W	85	3	34.409	8.74+-11.1%	161.70+- 0.5%	18.5	10005
8016	30/ 8/80	56:30: 0N 1: 0: 0E	71	3	34.680	5.21+-18.7%	147.95+- 0.6%	28.4	10006
8017	30/ 8/80	57: 0: 0N 0:59:54W	73	3	34.731	NA	NA		10007
8017	30/ 8/80	57: 0: 0N 0:59:54W	73	67	34.767	13.05+-12.2%	149.93+- 0.9%	11.5	10008
8018	30/ 8/80	57:29:54N 1: 0: 0W	92	3	34.741	10.03+- 9.8%	172.11+- 0.5%	17.2	10009
8020	31/ 8/80	56:34:42N 0:14:36W	77	3	34.839	2.38+-40.9%	127.79+- 0.7%	53.6	10010
8022	31/ 8/80	56:50: 0N 0:23: 0E	85	3	34.869	5.13+-19.1%	109.27+- 0.8%	21.3	10011
8025	31/ 8/80	57: 0: 0N 1: 0: 0E	93	3	34.932	ND	117.33+- 0.5%		10012

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	depth (m)	concentration (Bq m^{-3})		
8025	31/ 8/80	57: 0: ON	93	87	34.944	ND	116.60+-	0.5%			10013
8026	1/ 9/80	58: 0: ON	87	3	34.527	3.67+-26.9%	106.88+-	0.8%	29.1		10014
8033	1/ 9/80	58: 0: ON	131	3	35.337	ND	62.02+-	0.9%			10015
8038	2/ 9/80	58: 0: ON	73	3	34.913	6.58+-14.9%	159.25+-	0.6%	24.2		10016
8039	2/ 9/80	58: 8:42N		3	34.819	9.26+-10.7%	214.40+-	0.4%	23.1		10017
8042	3/ 9/80	58:30: ON		3	34.881	9.47+-10.5%	194.40+-	0.5%	20.5		10018
8043	3/ 9/80	59: 0: ON	131	3	34.920	ND	37.96+-	1.4%			10019
8050	3/ 9/80	59:30: ON	110	3	34.892	17.18+- 4.1%	200.69+-	0.3%	11.7		10020
8051	4/ 9/80	60: 0: ON	100	3	34.886	9.52+- 7.5%	187.74+-	0.3%	19.7		10021
8056	4/ 9/80	60:30: ON	133	3	35.075	8.01+- 8.6%	118.51+-	0.5%	14.8		10022
8060	5/ 9/80	61: 0: ON	140	3	35.158	ND	59.15+-	0.7%			10023
8061	5/ 9/80	60: 0: ON	149	3	34.728	ND	37.24+-	1.0%			10024
8065	5/ 9/80	60:30:12N	117	3	35.171	ND	32.24+-	1.1%			10025
8068	6/ 9/80	60:30: ON	140	3	35.161	ND	44.27+-	0.9%			10026
8069	6/ 9/80	61:30: ON	187	3	35.160	ND	17.63+-	2.1%			10027
8076	7/ 9/80	61: 0: ON	293	3	34.902	ND	27.41+-	1.3%			10028
8080	7/ 9/80	60: 0: ON	103	3	33.367	ND	59.65+-	0.7%			10029
8081	8/ 9/80	60:11: 6N	117	3	33.570	ND	68.39+-	0.6%			10030
8084	8/ 9/80	60: 0: ON	287	3	33.668	ND	65.89+-	0.6%			10031
8085	9/ 9/80	59: 0: ON	260	3	29.883	4.25+-15.5%	89.62+-	0.6%	21.1		10032
8086	9/ 9/80	59: 0: ON	141	3	33.573	4.00+-16.5%	74.37+-	0.8%	18.6		10033
8093	10/ 9/80	59: 0: ON	130	3	34.908	ND	74.10+-	0.5%			10034
8097	10/ 9/80	57:56:36N	81	3	34.473	3.34+-18.7%	94.11+-	0.6%	28.2		10035
8100	10/ 9/80	58: 0: ON	103	3	34.472	5.05+-12.9%	83.79+-	0.7%	16.6		10036
8101	11/ 9/80	58: 0: ON	309	3	32.190	3.44+-18.9%	97.92+-	0.6%	28.5		10037
8108	12/ 9/80	57: 0: ON	68	3	34.006	6.73+- 9.7%	100.91+-	0.6%	15.0		10038
8108	12/ 9/80	57: 0: ON	68	62	34.938	6.39+-10.1%	128.04+-	0.4%	20.0		10039
8109	12/ 9/80	57: 0: ON	59	3	34.133	10.06+- 6.3%	136.11+-	0.4%	13.5		10040
8109	12/ 9/80	57: 0: ON	59	53	34.941	7.92+- 8.2%	147.59+-	0.4%	18.6		10041
8113	14/ 9/80	57: 0: ON	37	3	34.517	8.19+- 7.9%	147.18+-	0.4%	18.0		10042

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	Salinity (psu)	depth (m)	Salinity (psu)		
8113	14/ 9/80	57: 0: 0N	37	31	34.507	7.17+-	9.0%	150.44+-	0.4%	21.0	10043
8114	14/ 9/80	56:37:12N	37	3	34.369	7.56+-	8.7%	119.53+-	0.5%	15.8	10044
8120	15/ 9/80	56: 0: 0N	47	3	34.530	5.55+-	11.9%	168.34+-	0.4%	30.4	10045
8125	15/ 9/80	55: 3:54N	41	3	32.848	ND		36.64+-	1.0%		10046
8127	15/ 9/80	55: 0: 0N	32	3	33.131	ND		43.78+-	0.8%		10047
8128	16/ 9/80	54:25: 0N	23	3	34.246	10.07+-	6.7%	195.74+-	0.3%	19.4	10048
8132	16/ 9/80	55: 0: 0N	41	3	34.522	11.52+-	6.0%	220.07+-	0.3%	19.1	10049
8136	17/ 9/80	56: 0: 0N	55	3	34.854	7.90+-	8.4%	182.39+-	0.3%	23.1	10050
8138	17/ 9/80	55:42:24N	50	3	34.817	7.29+-	9.3%	186.68+-	0.3%	25.6	10051
8144	17/ 9/80	56: 0: 0N	86	3	34.886	6.30+-	10.6%	145.47+-	0.4%	23.1	10052
8145	18/ 9/80	55: 0: 0N	65	3	34.869	8.72+-	7.8%	205.33+-	0.3%	23.5	10053
8153	18/ 9/80	55: 0: 0N	25	3	34.667	10.41+-	6.6%	223.25+-	0.3%	21.4	10054
8154	19/ 9/80	54: 0: 0N	44	3	34.606	10.84+-	6.4%	259.47+-	0.3%	23.9	10055
8159	19/ 9/80	54: 5: 6N	60	3	34.647	11.48+-	6.0%	236.63+-	0.3%	20.6	10056
8162	19/ 9/80	54: 0: 0N	80	3	34.623	11.69+-	5.9%	231.37+-	0.3%	19.8	10057
8163	20/ 9/80	53: 0: 0N	41	3	34.627	7.30+-	9.2%	182.45+-	0.3%	25.0	10058
8164	20/ 9/80	52:30: 0N	36	3	33.801	9.16+-	7.3%	189.45+-	0.3%	20.7	10059
8167	20/ 9/80	52:50:12N	36	3	34.566	ND		69.70+-	0.6%		10060
8169	20/ 9/80	52:34:18N	33	3	34.768	ND		14.70+-	2.3%		10061
8171	20/ 9/80	52:30: 0N	29	3	34.903	ND		10.34+-	3.3%		10062
8172	21/ 9/80	52: 5: 0N	35	3	34.804	ND		12.40+-	2.8%		10063
Site 38 Cirolana											
9001	1/10/80	53: 0: 0N	25	3	33.918	14.55+-	9.9%	277.83+-	0.4%	19.1	10064
9002	1/10/80	52: 0: 0N	27	3	NA	ND		61.35+-	1.1%		10065
9003	1/10/80	51:30: 0N	36	3	NA	ND		21.29+-	3.1%		10066
9004	2/10/80	50:38:42N	44	3	NA	ND		12.24+-	3.1%		10067
9005	2/10/80	50:18:18N	56	3	NA	ND		9.17+-	4.0%		10068
9006	2/10/80	49:57:18N	69	3	NA	ND		7.35+-	5.1%		10069

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9007	2/10/80	49:20: 0N	103	3	NA	ND	6.61+- 5.2%		10070
9008	3/10/80	48:15:18N	161	3	NA	ND	4.43+- 8.4%		10071
9027	4/10/80	47:19:18N	4750	3	NA	ND	5.96+- 6.3%		10073
9028	4/10/80	46:42:12N		3	NA	ND	3.35+-10.8%		10074
Site 38 Cirolana									
10001	8/11/80	56: 0: 0N		3	34.830	5.41+-14.3%	150.60+- 0.4%	27.8	10076
10002	8/11/80	56:30: 0N	69	3	34.728	7.03+-10.1%	169.23+- 0.4%	24.1	10077
10003	8/11/80	57: 0:36N	65	3	34.724	10.79+- 6.6%	220.35+- 0.3%	20.4	10078
10004	8/11/80	57:30: 0N	79	3	34.735	13.37+- 5.5%	240.58+- 0.3%	18.0	10079
10005	8/11/80	58: 0: 0N	104	3	34.623	12.04+- 5.9%	241.40+- 0.3%	20.1	10080
10006	8/11/80	58:20:24N	52	3	34.659	15.09+- 6.5%	261.85+- 0.4%	17.3	10081
10007	9/11/80	58:40:48N	75	3	34.756	11.53+- 8.6%	204.83+- 0.4%	17.8	10082
10008	9/11/80	58:42:48N	90	3	34.419	14.83+- 6.8%	260.28+- 0.4%	17.6	10083
10009	9/11/80	58:42: 6N	81	3	34.545	13.77+- 7.1%	245.44+- 0.4%	17.8	10084
10011	9/11/80	58: 0: 0N	100	3	34.325	12.21+- 8.1%	272.80+- 0.3%	22.3	10085
10014	10/11/80	54:37: 0N		3	33.949	92.43+- 3.8%	1481.24+- 0.2%	16.0	10086
10015	10/11/80	54:41: 0N		3	33.969	80.11+- 4.4%	1415.75+- 0.2%	17.7	10087
10016	10/11/80	54:44:54N		3	33.986	98.89+- 3.7%	1799.03+- 0.2%	18.2	10088
10054	13/11/80	54:38:54N	41	3	33.436	176.99+- 2.5%	2985.61+- 0.2%	16.9	10089
10054	13/11/80	54:38:54N	41	20	33.451	159.83+- 3.0%	2742.89+- 0.2%	17.2	10090
10054	13/11/80	54:38:54N	41	36	33.431	141.32+- 3.6%	2700.40+- 0.2%	19.1	10091
10055	13/11/80	54:33: 3N	57	3	33.765	159.83+- 2.6%	2919.79+- 0.2%	18.3	10092
10055	13/11/80	54:33: 3N	57	26	33.761	155.90+- 2.7%	2777.41+- 0.2%	17.8	10093
10055	13/11/80	54:33: 3N	57	52	33.780	161.80+- 2.8%	2849.09+- 0.2%	17.6	10094
10056	13/11/80	54:26:54N	40	3	33.658	219.45+- 2.3%	3844.17+- 0.1%	17.5	10095
10056	13/11/80	54:26:54N	40	18	33.727	197.76+- 2.3%	3376.48+- 0.1%	17.1	10096
10056	13/11/80	54:26:54N	40	35	33.890	138.96+- 3.2%	2490.52+- 0.2%	17.9	10097

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						6:42W	7:0%	6:42W	7:0%		
10103	21/11/80	54:14:18N	41	3	33.947	67.05+-	4.9%	1423.98+-	0.2%	21.2	10098
10103	21/11/80	54:14:18N	41	17	33.940	66.90+-	5.6%	1319.75+-	0.3%	19.7	10099
10103	21/11/80	54:14:18N	41	35	33.952	70.74+-	5.5%	1310.81+-	0.3%	18.5	10100
10104	21/11/80	54:14:30N	126	3	34.033	59.62+-	5.9%	1203.98+-	0.3%	20.2	10101
10104	21/11/80	54:14:30N	126	57	34.033	61.55+-	7.0%	1203.99+-	0.3%	19.6	10102
10104	21/11/80	54:14:30N	126	114	34.110	44.47+-	7.0%	964.90+-	0.3%	21.7	10103
10105	21/11/80	54:13:42N	28	3	34.172	36.50+-	8.9%	776.06+-	0.4%	21.3	10104
10122	25/11/80	54:17:51N	35	3	33.900	79.62+-	4.0%	1366.02+-	0.3%	17.2	10105
10122	25/11/80	54:17:51N	35	15	33.918	NA	NA	NA	NA		10106
10122	25/11/80	54:17:51N	35	31	33.910	138.78+-	2.8%	2363.73+-	0.2%	17.0	10107
10123	25/11/80	54:19:48N	39	3	33.358	257.46+-	2.2%	4373.51+-	0.1%	17.0	10108
10123	25/11/80	54:19:48N	39	18	33.502	186.86+-	2.7%	3277.90+-	0.2%	17.5	10109
10123	25/11/80	54:19:48N	39	37	33.541	197.56+-	2.3%	3393.76+-	0.2%	17.2	10110
10124	25/11/80	54:21:15N	42	3	33.128	366.53+-	1.7%	5873.50+-	0.1%	16.0	10111
10124	25/11/80	54:21:15N	42	17	33.118	373.58+-	1.7%	5900.32+-	0.1%	15.8	10112
10124	25/11/80	54:21:15N	42	37	33.196	421.64+-	1.7%	6753.11+-	0.1%	16.0	10113
10125	25/11/80	54:22:39N	30	3	32.349	939.49+-	1.3%	13050.20+-	0.1%	13.9	10114
10125	25/11/80	54:22:39N	30	12	33.004	539.89+-	1.5%	8224.79+-	0.1%	15.2	10115
10125	25/11/80	54:22:39N	30	25	33.044	486.33+-	1.6%	7679.80+-	0.1%	15.8	10116
10126	25/11/80	54:23:51N	24	3	32.383	1771.78+-	1.2%	23809.40+-	0.1%	13.4	10117
10126	25/11/80	54:23:51N	24	18	NA	1384.38+-	1.3%	19103.10+-	0.1%	13.8	10118
10133	27/11/80	54:29:30N	25	3	30.551	NA	NA	NA	NA		10119
10133	27/11/80	54:29:30N	25	11	31.318	NA	NA	NA	NA		10120
10133	27/11/80	54:29:30N	25	18	32.168	NA	NA	NA	NA		10121
10133	27/11/80	54:29:30N	25	23	32.002	NA	NA	NA	NA		10122
10201	2/12/80	54:30:0N	28	3	32.256	295.64+-	1.9%	4967.62+-	0.1%	16.8	10123
10202	2/12/80	54:34:48N	54	3	33.765	102.92+-	3.5%	1966.26+-	0.2%	19.1	10124
10203	2/12/80	54:40:0N	145	3	33.884	69.26+-	4.9%	1373.41+-	0.3%	19.8	10125
10204	2/12/80	54:59:54N	140	3	33.845	48.93+-	6.1%	1127.56+-	0.3%	23.0	10126
10204	2/12/80	54:59:54N	140	100	34.080	71.15+-	4.6%	1264.47+-	0.3%	17.8	10127

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	depth (m)	concentration (Bq m^{-3})		
10204	2/12/80	54:59:54N	140	135	34.283	23.32+-13.3%	585.85+-	0.5%	25.1	10128	
10205	2/12/80	55:15: 0N	141	3	34.004	37.06+- 8.6%	847.17+-	0.4%	22.9	10129	
10206	2/12/80	55:30: 0N	90	3	34.102	38.75+- 2.9%	648.85+-	0.2%	16.7	10130	
10207	3/12/80	55:59:48N	69	3	35.057	ND	52.93+-	1.0%		10131	
10208	3/12/80	56:29:48N	153	3	35.236	ND	17.63+-	2.8%		10132	
10209	3/12/80	57: 0: 3N	129	3	34.684	11.60+- 8.2%	192.49+-	0.5%	16.6	10133	
10209	3/12/80	57: 0: 3N	129	100	34.938	7.35+-12.7%	127.46+-	0.6%	17.3	10134	
10209	3/12/80	57: 0: 3N	129	123	35.026	2.68+-36.3%	85.28+-	0.9%	31.8	10135	
10210	3/12/80	57:30: 0N	145	3	34.556	12.02+- 8.4%	225.73+-	0.4%	18.8	10136	
10211	3/12/80	58: 0: 0N	89	3	34.482	11.50+- 8.7%	219.29+-	0.4%	19.1	10137	
10212	3/12/80	58:40: 0N	76	3	34.313	12.64+- 8.0%	253.80+-	0.4%	20.1	10138	
10213	3/12/80	59: 0: 0N	74	3	34.642	4.63+-21.1%	143.21+-	0.6%	30.9	10139	
10214	4/12/80	59:30: 0N	127	3	34.843	6.25+-15.8%	146.53+-	0.6%	23.4	10140	
10215	4/12/80	60: 0: 3N	97	3	35.049	3.60+-18.8%	97.15+-	0.6%	27.0	10141	
10215	4/12/80	60: 0: 3N	97	90	35.042	3.42+-20.2%	93.82+-	0.6%	27.4	10142	
10216	4/12/80	60:30: 0N	106	3	35.140	ND	69.77+-	0.6%		10143	
10217	4/12/80	61: 0: 3N	115	3	35.270	ND	41.29+-	0.9%		10144	
10217	4/12/80	61: 0: 3N	115	108	35.265	ND	44.06+-	0.8%		10145	
10218	4/12/80	61:30: 0N	194	3	35.325	ND	15.68+-	2.2%		10146	
10219	5/12/80	62: 0:45N	310	3	35.319	ND	7.45+-	4.5%		10147	
10219	5/12/80	62: 0:45N	310	100	35.319	ND	5.70+-	5.9%		10148	
10219	5/12/80	62: 0:45N	310	298	35.189	ND	4.11+-	8.1%		10149	
10220	5/12/80	62: 0: 0E	376	3	35.258	ND	10.80+-	3.2%		10150	
10221	5/12/80	62: 0:18N	415	3	34.568	ND	53.85+-	0.7%		10151	
10222	5/12/80	62: 0: 0N	218	3	33.919	1.96+-34.9%	79.61+-	0.7%	40.6	10152	
10222	5/12/80	62: 0: 0N	218	100	35.294	ND	10.12+-	3.4%		10153	
10222	5/12/80	62: 0: 0N	218	208	35.101	ND	51.76+-	0.7%		10154	
10223	6/12/80	62:30: 0N	193	3	33.446	ND	104.51+-	0.4%		10155	
10224	6/12/80	63: 0: 0N	199	3	33.925	2.14+-32.0%	78.68+-	0.7%	36.7	10156	
10225	6/12/80	63: 0: 0N	320	3	33.692	1.38+-49.8%	89.13+-	0.6%	64.8	10157	

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
10225	6/12/80	63: 0: 0N	5: 0: 0E	320	100	NA	ND	10.74+- 3.2%	10158
10225	6/12/80	63: 0: 0N	5: 0: 0E	320	308	35.118	ND	38.22+- 1.0%	10159
10226	6/12/80	63: 0: 0N	3: 0: 0E	856	3	35.235	ND	7.77+- 4.3%	10160
10227	6/12/80	64: 0: 0N	3: 0: 0E	1685	3	35.134	ND	10.73+- 3.2%	10161
10228	7/12/80	64: 0: 6N	4:53:30E	1186	3	35.007	ND	21.90+- 1.6%	10162
10228	7/12/80	64: 0: 6N	4:53:30E	1186	100	34.999	ND	19.69+- 1.9%	10163
10228	7/12/80	64: 0: 6N	4:53:30E	1186	500	34.915	ND	4.37+- 8.0%	10164
10229	7/12/80	64: 0: 0N	7: 0: 0E		3	34.005	2.83+-24.2%	75.18+- 0.7%	26.6
10230	7/12/80	64: 0: 9N	9:29:42E		3	33.625	2.96+-22.6%	90.42+- 0.6%	30.6
10230	7/12/80	64: 0: 9N	9:29:42E	231	100	34.266	ND	67.07+- 0.6%	10167
10230	7/12/80	64: 0: 9N	9:29:42E	231	224	35.155	ND	23.56+- 1.5%	10168
10231	7/12/80	64:59:54N	9:59: 6E	272	3	33.754	1.30+-52.3%	84.90+- 0.7%	65.1
10232	7/12/80	65: 0: 0N	9: 0: 0E	250	3	34.560	ND	45.81+- 0.8%	10170
10233	7/12/80	64:59:57N	7: 0: 0E	307	3	34.859	ND	31.84+- 1.1%	10171
10233	7/12/80	64:59:57N	7: 0: 0E	307	100	34.995	ND	25.65+- 1.4%	10172
10233	7/12/80	64:59:57N	7: 0: 0E	307	298	35.168	ND	16.70+- 2.1%	10173
10234	8/12/80	65: 0: 0N	5: 0: 0E	800	3	34.944	ND	26.22+- 1.4%	10174
10235	8/12/80	65:59:54N	4:59:33E	985	3	35.063	ND	14.98+- 2.2%	10175
10235	8/12/80	65:59:54N	4:59:33E	985	100	35.143	ND	10.79+- 3.2%	10176
10235	8/12/80	65:59:54N	4:59:33E	985	500	34.923	ND	2.73+-12.2%	10177
10236	8/12/80	65:59:42N	7: 0: 0E	383	3	34.985	ND	25.02+- 1.4%	10178
10237	8/12/80	65:59:30N	8:59: 0E	287	3	34.888	ND	29.88+- 1.2%	10179
10238	8/12/80	66: 0:15N	10:59:54E	282	3	33.819	ND	72.36+- 0.5%	10180
10238	8/12/80	66: 0:15N	10:59:54E	282	100	34.738	ND	49.19+- 0.8%	10181
10238	8/12/80	66: 0:15N	10:59:54E	282	270	35.131	ND	28.52+- 1.3%	10182
10239	9/12/80	67: 0: 0N	11: 0: 0E	267	3	33.651	ND	69.15+- 0.6%	10183
10240	9/12/80	68: 0: 0N	11: 0: 0E	185	3	33.714	ND	70.34+- 0.6%	10184
10241	9/12/80	67:59:57N	12: 0: 0E	176	3	33.550	ND	74.44+- 0.5%	10185
10241	9/12/80	67:59:57N	12: 0: 0E	176	100	34.643	ND	49.32+- 0.8%	10186
10241	9/12/80	67:59:57N	12: 0: 0E	176	170	35.063	ND	25.95+- 1.4%	10187

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	concentration (Bq m^{-3})	concentration (Bq m^{-3})		
10242	9/12/80	68:30:0N 13:0:0E	200	3	33.584		1.45+-44.9%	74.43+-	0.7%	51.4	10188
10243	9/12/80	68:59:54N 13:59:30E	203	3	33.743		ND	68.12+-	0.6%		10189
10243	9/12/80	68:59:54N 13:59:30E	203	100	34.821		ND	33.42+-	1.1%		10190
10243	9/12/80	68:59:54N 13:59:30E	203	195	35.059		ND	23.35+-	1.5%		10191
10244	9/12/80	69:0:33N 12:58:42E	2200	3	33.787		ND	67.51+-	0.6%		10192
10244	9/12/80	69:0:33N 12:58:42E	2200	100	35.007		ND	20.91+-	1.7%		10193
10244	9/12/80	69:0:33N 12:58:42E	2200	500	35.075		ND	10.72+-	3.2%		10194
10245	9/12/80	69:0:0N 11:0:0E	3160	3	34.077		ND	58.18+-	0.7%		10195
10246	9/12/80	68:59:57N 8:59:48E	3165	3	34.980		ND	21.32+-	1.6%		10196
10246	9/12/80	68:59:57N 8:59:48E	3165	100	35.067		ND	21.55+-	1.6%		10197
10246	9/12/80	68:59:57N 8:59:48E	3165	500	34.995		ND	7.30+-	4.6%		10198
10247	10/12/80	68:0:30N 8:59:3E	2330	3	34.888		ND	27.68+-	1.3%		10199
10247	10/12/80	68:0:30N 8:59:3E	2330	100	35.030		ND	20.46+-	1.7%		10200
10247	10/12/80	68:0:30N 8:59:3E	2330	500	34.961		ND	6.17+-	5.5%		10201
10248	10/12/80	67:0:0N 9:0:0E	339	3	34.505		ND	49.57+-	0.8%		10202
10249	10/12/80	67:0:3N 7:0:9E	1255	3	35.084		ND	18.24+-	1.9%		10203
10249	10/12/80	67:0:3N 7:0:9E	1255	100	35.131		ND	16.70+-	2.1%		10204
10249	10/12/80	67:0:3N 7:0:9E	1255	500	34.991		ND	5.04+-	6.6%		10205
10250	10/12/80	67:0:0N 5:0:0E	1485	3	35.127		ND	14.69+-	2.3%		10206
10251	10/12/80	68:0:0N 5:0:0E	1385	3	35.119		ND	14.87+-	2.3%		10207
10252	11/12/80	69:0:24N 5:0:21E	3150	3	35.105		ND	12.13+-	2.8%		10208
10252	11/12/80	69:0:24N 5:0:21E	3150	100	35.114		ND	12.33+-	2.8%		10209
10252	11/12/80	69:0:24N 5:0:21E	3150	500	35.023		ND	9.11+-	4.0%		10210
10253	11/12/80	70:0:0N 5:0:0E	3175	3	35.105		ND	13.32+-	2.6%		10211
10254	11/12/80	69:59:42N 3:0:0E	3175	3	35.074		ND	10.95+-	3.1%		10212
10255	11/12/80	69:59:57N 1:0:21E	3220	3	35.099		ND	10.63+-	3.2%		10213
10255	11/12/80	69:59:57N 1:0:21E	3220	100	35.113		ND	11.08+-	3.1%		10214
10255	11/12/80	69:59:57N 1:0:21E	3220	500	35.020		ND	9.60+-	3.5%		10215
10256	11/12/80	69:0:0N 1:0:0E	3220	3	35.110		ND	9.66+-	3.5%		10216
10257	11/12/80	68:0:0N 1:0:0E	3220	3	35.113		ND	8.16+-	4.1%		10217

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
10258	12/12/80	67: 0:36N	3125	3	35.098	ND	6.66+-5.1%		10218
10259	12/12/80	65:59:48N	3000	3	35.150	ND	6.80+-5.0%		10219
10259	12/12/80	65:59:48N	3000	100	35.135	ND	6.88+-4.9%		10220
10259	12/12/80	65:59:48N	3000	500	34.905	ND	2.38+-14.0%		10221
10260	12/12/80	65: 0: 0N	3600	3	35.147	ND	7.39+-4.5%		10222
10261	12/12/80	64: 0: 0N	3480	3	35.101	ND	2.68+-12.3%		10223
10262	12/12/80	63: 1:12N	1225	3	35.203	ND	3.92+-8.5%		10224
10262	12/12/80	63: 1:12N	1225	100	35.215	ND	3.26+-10.2%		10225
10262	12/12/80	63: 1:12N	1225	500	34.926	ND	1.69+-19.5%		10226
10263	12/12/80	63: 0: 0N	1475	3	35.180	ND	6.83+-4.9%		10227
10264	13/12/80	61:59:48N	420	3	35.365	ND	3.99+-8.3%		10228
10264	13/12/80	61:59:48N	420	100	35.330	ND	3.70+-9.0%		10229
10264	13/12/80	61:59:48N	420	411	35.148	ND	5.33+-6.3%		10230
10265	13/12/80	61:30: 0N	195	3	35.328	ND	10.01+-3.4%		10231
10266	13/12/80	61: 0: 0N	148	3	35.302	ND	24.33+-1.4%		10232
10267	13/12/80	60:30: 0N	125	3	35.246	ND	37.12+-1.0%		10233
10268	13/12/80	60: 0: 0N	136	3	35.224	ND	35.02+-1.0%		10234
10269	13/12/80	59:30: 0N	140	3	35.146	ND	25.37+-1.4%		10235
10270	13/12/80	59: 0: 0N	133	3	35.140	ND	45.77+-1.2%		10236
10271	13/12/80	58:30: 0N	140	3	35.149	ND	47.93+-1.1%		10237
10272	13/12/80	58: 0: 0N	126	3	35.156	ND	36.15+-1.4%		10238
10273	14/12/80	57:30: 0N	90	3	35.018	2.90+-33.3%	107.58+-0.8%	37.0	10239
10274	14/12/80	57: 0: 0N	84	3	34.831	7.56+-13.0%	177.19+-0.5%	23.4	10240
10275	14/12/80	56:30: 0N	90	3	34.810	7.98+-12.4%	213.62+-0.4%	26.8	10241
10276	14/12/80	56: 0: 0N	90	3	34.869	7.82+-12.5%	166.54+-0.5%	21.3	10242
10277	14/12/80	55:30: 0N	90	3	34.862	4.62+-21.0%	144.65+-0.6%	31.3	10243
10278	14/12/80	55: 0: 0N	70	3	32.355	5.02+-19.4%	143.28+-0.6%	28.5	10244
10279	14/12/80	54:30: 0N	64	3	34.680	5.88+-18.4%	165.26+-0.6%	28.1	10245
10280	14/12/80	54: 0: 0N	27	3	34.150	7.56+-13.0%	164.75+-0.5%	21.8	10246
10281	15/12/80	53:33:30N	20	3	32.280	9.61+-10.2%	176.01+-0.5%	18.3	10247

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 40 Corella/Dawn Sky									
4001	17/ 3/80	52:24:42N	20	3	32.629	16.25+- 7.2%	372.81+- 0.3%	22.9	10248
4002	17/ 3/80	52: 0: 0N	31	3	34.284	5.54+-18.8%	97.96+- 0.8%	17.7	10249
4003	17/ 3/80	51:30: 0N	34	3	34.381	ND	18.02+- 3.1%		10250
4004	17/ 3/80	51: 0: 0N	27	3	35.146	ND	15.73+- 2.2%		10251
4005	17/ 3/80	50:49: 0N	39	3	35.116	ND	11.22+- 3.2%		10252
4006	18/ 3/80	50:32:48N	64	3	35.156	ND	12.74+- 2.8%		10253
4007	18/ 3/80	50:24:36N	38	3	34.760	ND	11.23+- 3.1%		10254
4008	18/ 3/80	50:16:30N	56	3	35.306	ND	9.85+- 3.6%		10255
4009	18/ 3/80	50: 8:24N	66	3	35.328	ND	9.77+- 3.6%		10256
4010	18/ 3/80	50: 0: 0N	80	3	35.318	ND	9.30+- 3.8%		10257
4011	18/ 3/80	49:53: 6N	89	3	35.219	ND	9.73+- 3.6%		10258
4012	19/ 3/80	50: 1:18N	45	3	35.082	ND	8.95+- 3.9%		10259
4013	20/ 3/80	50: 0: 0N	72	3	35.187	ND	13.76+- 2.6%		10260
4014	20/ 3/80	50:30: 0N	86	3	35.124	ND	14.62+- 2.4%		10261
4015	21/ 3/80	51: 0: 0N	94	3	35.112	ND	13.00+- 2.8%		10262
4016	21/ 3/80	51:30: 0N	96	3	34.968	ND	11.36+- 3.2%		10263
4017	21/ 3/80	52: 0:51N	58	3	34.439	ND	36.34+- 1.0%		10264
4017	21/ 3/80	52: 0:51N	58	55	34.503	ND	31.92+- 1.2%		10265
4018	21/ 3/80	52: 0: 0N	1000	3	34.724	ND	15.32+- 3.3%		10266
4018	21/ 3/80	52: 0: 0N	100	95	34.705	ND	15.25+- 3.4%		10267
4019	21/ 3/80	52:29:12N	60	3	34.330	5.93+-17.5%	76.75+- 1.1%	12.9	10268
4019	21/ 3/80	52:29:12N	60	53	34.416	ND	59.45+- 0.9%		10269
4020	21/ 3/80	52:29:12N	99	3	34.697	ND	22.86+- 2.2%		10270
4020	21/ 3/80	52:29:12N	99	95	34.725	ND	17.99+- 2.8%		10271
4021	21/ 3/80	52:33:36N	99	3	34.747	ND	28.72+- 1.3%		10272
4021	21/ 3/80	52:33:36N	99	96	34.767	ND	30.20+- 1.2%		10273
4022	22/ 3/80	52:29:45N	84	3	34.500	ND	55.40+- 1.0%		10274
4022	22/ 3/80	52:29:45N	84	79	34.496	ND	56.71+- 1.1%		10275

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	Salinity (psu)	depth (m)	Salinity (psu)		
4023	22/ 3/80	53: 1: 0N	84	3	34.709	ND	39.35+-	2.7%			10276
4023	22/ 3/80	53: 1: 0N	84	80	34.686	ND	36.72+-	2.9%			10277
4024	22/ 3/80	53: 0:39N	27	3	34.263	30.69+-	7.5%	638.54+-	0.3%	20.8	10278
4024	22/ 3/80	53: 0:39N	27	22	34.178	28.56+-	8.0%	661.95+-	0.3%	23.2	10279
4025	22/ 3/80	53:30: 0N	64	3	33.953	70.32+-	3.6%	1232.89+-	0.2%	17.5	10280
4025	22/ 3/80	53:30: 0N	64	61	33.968	70.08+-	4.8%	1187.97+-	0.3%	17.0	10281
4026	22/ 3/80	53:29:36N	96	3	34.560	ND	201.60+-	0.9%			10282
4026	22/ 3/80	53:29:36N	96	93	34.597	9.33+-	33.0%	147.11+-	1.6%	15.8	10283
4028	22/ 3/80	53:53:24N	90	3	34.141	42.79+-	7.6%	833.14+-	0.4%	19.5	10284
4028	22/ 3/80	53:53:24N	90	87	34.448	15.84+-	19.6%	352.04+-	0.7%	22.2	10285
4029	22/ 3/80	54: 1: 0N	48	3	33.990	68.13+-	4.9%	1183.88+-	0.3%	17.4	10286
4029	22/ 3/80	54: 1: 0N	48	45	33.987	82.52+-	4.2%	1367.43+-	0.3%	16.6	10287
4030	23/ 3/80	53:59:39N	55	3	34.288	37.63+-	8.5%	691.29+-	0.4%	18.4	10288
4030	23/ 3/80	53:59:39N	55	52	34.350	26.55+-	12.3%	504.29+-	0.6%	19.0	10289
4031	23/ 3/80	53:30: 9N	45	3	34.154	30.38+-	10.4%	625.04+-	0.5%	20.6	10290
4031	23/ 3/80	53:30: 9N	45	42	34.159	6.14+-	54.0%	509.69+-	0.6%	83.0	10291
4033	23/ 3/80	53:44: 0N	45	3	34.223	15.84+-	20.3%	524.01+-	0.5%	33.1	10292
4034	23/ 3/80	53:31:18N	44	3	34.042	22.25+-	14.6%	635.96+-	0.5%	28.6	10293
4035	23/ 3/80	53:20:54N	22	3	32.517	45.72+-	7.4%	1137.56+-	0.3%	24.9	10294
4036	24/ 3/80	53:36:54N	38	3	33.893	18.13+-	18.0%	849.74+-	0.4%	46.9	10295
4036	24/ 3/80	53:36:54N	38	35	33.930	27.95+-	11.7%	727.32+-	0.4%	26.0	10296
4037	24/ 3/80	53:30: 9N	27	3	32.572	54.62+-	6.2%	1239.07+-	0.3%	22.7	10297
4037	24/ 3/80	53:30: 9N	27	24	33.001	53.06+-	6.4%	1180.70+-	0.3%	22.3	10298
4038	24/ 3/80	54: 1:36N	25	3	32.021	140.69+-	2.9%	2432.51+-	0.2%	17.3	10299
4038	24/ 3/80	54: 1:36N	25	22	32.125	120.54+-	3.4%	2298.36+-	0.2%	19.1	10300
4039	24/ 3/80	54:14:18N	43	3	33.482	67.11+-	5.2%	1384.54+-	0.3%	20.6	10301
4039	24/ 3/80	54:14:18N	43	40	33.661	52.33+-	6.9%	1099.89+-	0.3%	21.0	10302
4040	24/ 3/80	54: 6:57N	41	3	34.297	29.42+-	11.1%	787.31+-	0.4%	26.8	10303
4040	24/ 3/80	54: 6:57N	41	38	34.273	25.61+-	12.6%	630.26+-	0.5%	24.6	10304
4041	24/ 3/80	54: 0: 0N	46	3	34.179	30.23+-	10.7%	691.13+-	0.4%	22.9	10305

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.	
4041	24/ 3/80	54: 0: 0N	46	43	34.328	25.66+-12.5%	547.06+-	0.5%	21.3	10306
4042	25/ 3/80	54:30: 3N	49	3	31.881	326.69+-	4748.61+-	0.1%	14.5	10307
4042	25/ 3/80	54:30: 3N	49	46	33.090	319.98+-	4771.29+-	0.1%	14.9	10308
4043	25/ 3/80	54:44:27N	23	3	32.068	287.85+-	4461.43+-	0.1%	15.5	10309
4043	25/ 3/80	54:44:27N	23	20	32.383	350.64+-	5335.54+-	0.1%	15.2	10310
4044	25/ 3/80	54:17:12N	137	3	34.151	87.22+-	1446.80+-	0.2%	16.6	10311
4044	25/ 3/80	54:17:12N	137	134	33.174	17.63+-17.9%	444.65+-	0.6%	25.2	10312
4045	25/ 3/80	54:12:15N	78	3	34.324	32.19+-10.0%	697.84+-	0.4%	21.7	10313
4045	25/ 3/80	54:12:15N	78	75	34.400	10.93+-28.7%	431.89+-	0.6%	39.5	10314
4046	26/ 3/80	54:35: 3N	51	3	33.229	284.75+-	4377.69+-	0.1%	15.4	10315
4046	26/ 3/80	54:35: 3N	51	48	33.205	286.66+-	4390.94+-	0.1%	15.3	10316
4047	26/ 3/80	54:35: 3N	59	3	33.277	237.23+-	3643.25+-	0.1%	15.4	10317
4047	26/ 3/80	54:35: 3N	59	56	33.345	220.83+-	3373.01+-	0.1%	15.3	10318
4048	26/ 3/80	55: 1: 0N	130	3	33.945	95.51+-	1575.59+-	0.2%	16.5	10319
4048	26/ 3/80	55: 1: 0N	130	127	34.007	60.40+-	1299.56+-	0.3%	21.5	10320
4049	26/ 3/80	55:23:30N	134	3	33.831	93.39+-	1370.56+-	0.1%	14.7	10321
4050	27/ 3/80	55:30: 0N	61	3	33.889	76.89+-	1138.81+-	0.1%	14.8	10322
4051	27/ 3/80	56: 0: 0N	111	3	34.886	17.99+-	204.90+-	0.4%	11.4	10323
4052	27/ 3/80	56:29:48N	152	3	35.138	11.86+-	135.64+-	0.6%	11.4	10324
4053	27/ 3/80	57: 0: 0N	134	3	34.497	36.24+-	555.61+-	0.2%	15.3	10325
4054	27/ 3/80	57:30: 0N	137	3	34.162	48.04+-	665.71+-	0.2%	13.9	10326
4056	27/ 3/80	58: 0: 0N	92	3	34.427	24.02+-	361.61+-	0.3%	15.1	10327
4057	27/ 3/80	58:30: 0N	57	3	34.489	20.68+-	287.61+-	0.3%	13.9	10328
4058	27/ 3/80	58:44:30N	86	3	33.961	7.12+-14.7%	151.24+-	0.6%	21.2	10329
4059	28/ 3/80	59: 4:48N	64	3	34.950	6.59+-15.8%	107.31+-	0.8%	16.3	10330
4060	28/ 3/80	59:30:18N	68	3	34.937	3.88+-26.7%	99.13+-	0.8%	25.6	10331
4061	28/ 3/80	59:30: 0N	79	3	34.882	6.02+-17.2%	110.18+-	0.8%	18.3	10332
4062	28/ 3/80	59:18:30N	96	3	34.854	7.34+-14.2%	115.00+-	0.7%	15.7	10333
4063	28/ 3/80	59: 0: 0N	80	3	NA	5.39+-19.3%	125.39+-	0.7%	23.2	10334
4064	28/ 3/80	58:30: 0N	101	3	34.144	7.73+-13.5%	91.09+-	0.9%	11.8	10335

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
4065	28/ 3/80	58: 0: 0N	73	3	34.707	9.97+-10.6%	167.99+-	0.5%	16.9 10336
4066	28/ 3/80	57:30: 0N	79	3	34.468	16.18+- 6.6%	196.44+-	0.5%	12.1 10337
4067	28/ 3/80	57:10: 0N	40	3	33.530	13.55+- 7.9%	237.04+-	0.4%	17.5 10338
4068	29/ 3/80	57: 0:12N	62	3	34.232	13.12+- 8.3%	271.30+-	0.4%	20.7 10339
4069	29/ 3/80	56:30:30N	60	3	34.447	15.42+- 7.0%	249.24+-	0.4%	16.2 10340
4070	30/ 3/80	56: 0:30N	66	3	34.757	10.46+-10.1%	212.36+-	0.4%	20.3 10341
4071	30/ 3/80	55:30:24N	68	3	34.503	13.94+- 7.8%	315.53+-	0.3%	22.6 10342
4072	30/ 3/80	55: 0: 0N	78	3	34.577	16.74+- 6.5%	298.53+-	0.3%	17.8 10343
4073	30/ 3/80	54:30: 0N	66	3	34.374	21.25+- 5.2%	354.86+-	0.3%	16.7 10344
4074	30/ 3/80	54: 0: 0N	50	3	34.133	22.60+- 4.9%	365.02+-	0.3%	16.2 10345
4075	30/ 3/80	53:34: 0N	21	3	31.945	18.19+- 6.0%	327.37+-	0.3%	18.0 10346
Site 40 Corella/Dawn Sky									
5001	11/ 4/80	52:24:48N	26	3	33.050	14.36+- 8.4%	293.57+-	0.4%	20.4 10347
5002	11/ 4/80	52: 0: 0N	36	3	34.194	5.29+-19.9%	80.70+-	1.0%	15.3 10348
5003	11/ 4/80	51:30: 0N	34	3	34.986	ND	11.89+-	4.2%	10349
5004	12/ 4/80	51: 0: 0N	29	3	34.858	ND	8.64+-	5.7%	10350
5005	12/ 4/80	50:50:30N	36	3	34.745	ND	8.83+-	5.6%	10351
5006	12/ 4/80	50:34:12N	66	3	35.051	ND	6.66+-	7.3%	10352
5007	12/ 4/80	50:26:12N	36	3	34.790	ND	6.05+-	8.1%	10353
5008	12/ 4/80	50:18:24N	56	3	35.245	ND	17.42+-	2.9%	10354
5009	13/ 4/80	50:10: 6N	66	3	35.112	ND	8.42+-	5.9%	10355
5010	12/ 4/80	50: 2: 0N	73	3	35.306	ND	7.80+-	6.3%	10356
5011	13/ 4/80	49:53:12N	91	3	35.265	ND	9.02+-	3.9%	10357
5012	13/ 4/80	50: 0: 0N	71	3	35.189	ND	8.18+-	4.2%	10358
5013	13/ 4/80	50:30: 0N	86	3	35.078	ND	11.82+-	2.9%	10359
5014	13/ 4/80	51: 6: 0N	96	3	35.068	ND	13.10+-	2.7%	10360
5015	13/ 4/80	51:30: 9N	114	3	34.950	ND	11.98+-	2.9%	10361
5015	13/ 4/80	51:30: 9N	114	107	35.101	ND	9.77+-	3.1%	10362

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
5016	13/ 4/80	52: 0: 0N	56	3	34.391	ND	33.82+- 1.1%		10363
5017	13/ 4/80	51:59:51N	102	3	34.700	ND	16.39+- 2.2%		10364
5017	13/ 4/80	51:59:51N	102	94	34.851	ND	13.63+- 2.6%		10365
5018	14/ 4/80	52:10: 0N	48	3	34.628	ND	16.41+- 2.2%		10366
5019	14/ 4/80	52:10: 6N	97	3	34.709	ND	13.08+- 2.7%		10367
5020	14/ 4/80	52:10:18N	63	3	34.427	ND	28.76+- 1.3%		10368
5020	14/ 4/80	52:10:18N	63	57	34.423	ND	29.02+- 1.3%		10369
5021	14/ 4/80	52:10: 0N	27	3	33.873	3.80+-19.9%	92.78+- 0.6%	24.4	10370
5022	14/ 4/80	52:40: 0N	17	3	33.506	5.88+-12.9%	85.14+- 0.7%	14.5	10371
5023	14/ 4/80	52:39:42N	80	3	34.395	ND	45.93+- 0.8%		10372
5023	14/ 4/80	52:39:42N	80	72	34.439	ND	44.16+- 0.9%		10373
5024	14/ 4/80	52:40:39N	79	3	34.446	10.01+- 7.8%	190.47+- 0.3%	19.0	10374
5024	14/ 4/80	52:40:39N	79	71	34.419	11.27+- 6.9%	185.37+- 0.3%	16.4	10375
5025	14/ 4/80	52:39:24N	58	3	34.177	16.58+- 4.8%	253.30+- 0.3%	15.3	10376
5026	14/ 4/80	53: 0: 0N	26	3	33.873	40.57+- 3.2%	696.63+- 0.2%	17.2	10377
5027	14/ 4/80	53: 0: 0N	106	3	34.403	11.66+- 9.5%	255.23+- 0.4%	21.9	10378
5027	14/ 4/80	53: 0: 0N	106	101	34.447	11.70+- 9.4%	208.16+- 0.4%	17.8	10379
5028	15/ 4/80	53: 0: 0N	38	3	34.375	1.99+-53.4%	74.84+- 1.1%	37.6	10380
5029	15/ 4/80	53:19:54N	49	3	34.466	ND	126.75+- 1.3%		10381
5029	15/ 4/80	53:19:54N	49	46	34.477	5.23+-58.9%	112.52+- 2.1%	21.5	10382
5030	15/ 4/80	53:20:15N	95	3	34.118	48.78+- 6.7%	736.04+- 0.4%	15.1	10383
5030	15/ 4/80	53:20:15N	95	92	34.125	42.04+- 7.7%	689.08+- 0.4%	16.4	10384
5031	15/ 4/80	53:22:24N	30	3	33.276	43.03+- 7.6%	887.95+- 0.4%	20.6	10385
5032	15/ 4/80	53:39:30N	6: 5: 0W	22	33.594	52.49+- 6.3%	1010.17+- 0.3%	19.2	10386
5033	15/ 4/80	53:40: 6N	5:48: 6W	63	33.573	71.60+- 4.8%	1238.56+- 0.3%	17.3	10387
5033	15/ 4/80	53:40: 6N	5:48: 6W	63	34.035	59.17+- 5.6%	1092.99+- 0.3%	18.5	10388
5034	15/ 4/80	53:40: 0N	5:14: 6W	70	34.047	57.20+- 5.8%	1052.70+- 0.3%	18.4	10389
5034	15/ 4/80	53:40: 0N	5:14: 6W	70	34.386	28.40+-11.1%	500.44+- 0.6%	17.6	10390
5035	15/ 4/80	53:40: 3N	4:41:30W	72	34.329	9.24+-33.8%	327.74+- 0.8%	35.5	10391
5035	15/ 4/80	53:40: 3N	4:41:30W	69	34.320	5.58+-55.9%	325.64+- 0.8%	58.4	10392

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						Concentration	Ratio	Concentration	Ratio		
5036	15/ 4/80	53:29:54N	45	3	34.131	8.37+-37.5%	0.6%	480.55+-	0.6%	57.4	10393
5036	15/ 4/80	53:29:54N	45	42	34.155	16.86+-18.7%	0.6%	471.53+-	0.6%	28.0	10394
5037	15/ 4/80	53:21:12N	21	3	33.705	29.18+-11.0%	0.4%	691.34+-	0.4%	23.7	10395
5038	15/ 4/80	53:29:18N	44	3	34.154	20.93+-14.1%	0.5%	477.52+-	0.5%	22.8	10396
5038	15/ 4/80	53:29:18N	44	41	34.153	14.82+-21.3%	0.5%	547.34+-	0.5%	36.9	10397
5039	15/ 4/80	53:23: 0N	20	3	32.480	59.92+- 5.6%	0.3%	1117.90+-	0.3%	18.7	10398
5040	15/ 4/80	53:28: 0N	22	3	31.899	73.70+- 4.8%	0.2%	1602.63+-	0.2%	21.7	10399
5041	16/ 4/80	53:34:45N	29	3	33.122	54.64+- 6.2%	0.3%	1173.37+-	0.3%	21.5	10400
5041	16/ 4/80	53:34:45N	29	26	33.152	49.64+- 6.8%	0.3%	1125.03+-	0.3%	22.7	10401
5042	16/ 4/80	53:40: 0N	47	3	34.061	20.75+-15.5%	0.5%	645.90+-	0.5%	31.1	10402
5043	16/ 4/80	53:50: 0N	52	3	34.401	16.62+-19.2%	0.5%	505.82+-	0.5%	30.4	10403
5043	16/ 4/80	53:50: 0N	52	49	34.336	21.62+-14.8%	0.5%	519.30+-	0.5%	24.0	10404
5044	16/ 4/80	53:50: 0N	38	3	32.847	63.00+- 5.5%	0.3%	1301.09+-	0.3%	20.7	10405
5045	16/ 4/80	53:50: 0N	13	3	32.433	136.64+- 3.0%	0.2%	2512.48+-	0.2%	18.4	10406
5045	16/ 4/80	53:50: 0N	13	10	32.457	142.28+- 2.8%	0.2%	2447.81+-	0.2%	17.2	10407
5046	16/ 4/80	54: 0: 0N	20	3	33.098	74.16+- 4.8%	0.2%	1594.78+-	0.2%	21.5	10408
5047	16/ 4/80	53:59:51N	32	3	32.971	86.37+- 4.2%	0.2%	1582.80+-	0.2%	18.3	10409
5047	16/ 4/80	53:59:51N	32	29	33.253	69.40+- 5.1%	0.2%	1476.23+-	0.2%	21.3	10410
5048	16/ 4/80	53:59: 0N	46	3	33.847	34.85+- 9.5%	0.3%	900.69+-	0.3%	25.8	10411
5049	16/ 4/80	54: 0:18N	45	3	34.279	19.43+-16.5%	0.5%	604.19+-	0.5%	31.1	10412
5049	16/ 4/80	54: 0:18N	45	42	34.297	14.54+-22.0%	0.5%	592.45+-	0.5%	40.7	10413
5050	16/ 4/80	54: 9:57N	30	3	34.043	39.91+- 8.3%	0.4%	790.44+-	0.4%	19.8	10414
5050	16/ 4/80	54: 9:57N	30	27	34.040	32.99+- 9.9%	0.4%	812.79+-	0.4%	24.6	10415
5051	16/ 4/80	54: 9:57N	22	3	33.444	185.29+- 2.4%	0.2%	2998.11+-	0.2%	16.2	10416
5051	16/ 4/80	54: 9:57N	22	19	33.495	153.47+- 2.6%	0.2%	2349.13+-	0.2%	15.3	10417
5052	16/ 4/80	54: 9:15N	24	3	33.452	82.11+- 4.4%	0.2%	1540.95+-	0.2%	18.8	10418
5052	16/ 4/80	54: 9:15N	24	21	33.462	72.18+- 4.9%	0.2%	1455.03+-	0.2%	20.2	10419
5053	16/ 4/80	54:19:54N	33	3	32.505	467.48+- 1.6%	0.1%	6785.27+-	0.1%	14.5	10420
5053	16/ 4/80	54:19:54N	33	30	33.404	186.90+- 2.3%	0.2%	2896.50+-	0.2%	15.5	10421
5054	16/ 4/80	54:20: 0N	22	3	33.198	335.05+- 1.7%	0.1%	4825.44+-	0.1%	14.4	10422

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	Salinity (psu)	depth (m)	Salinity (psu)		
5054	16/ 4/80	54:20: 0N	22	19	33.150	324.36+-	1.8%	4760.07+-	0.1%	14.7	10423
5055	16/ 4/80	54:29:51N	56	3	33.732	173.99+-	2.5%	2764.01+-	0.2%	15.9	10424
5055	16/ 4/80	54:29:51N	56	53	33.774	162.59+-	2.5%	2487.28+-	0.2%	15.3	10425
5056	16/ 4/80	54:30: 6N	63	3	33.466	248.03+-	2.0%	3626.97+-	0.1%	14.6	10426
5056	16/ 4/80	54:30: 6N	63	60	33.462	242.70+-	2.0%	3758.28+-	0.1%	15.5	10427
5057	17/ 4/80	54:40: 0N	46	3	33.051	187.02+-	2.4%	2968.54+-	0.2%	15.9	10428
5057	17/ 4/80	54:40: 0N	46	43	33.584	124.02+-	3.1%	2080.45+-	0.2%	16.8	10429
5058	17/ 4/80	54:39:51N	31	3	33.316	179.36+-	2.5%	2939.79+-	0.2%	16.4	10430
5058	17/ 4/80	54:39:51N	31	28	33.328	180.59+-	2.4%	2982.62+-	0.2%	16.5	10431
5059	17/ 4/80	54:30:15N	36	3	32.925	584.20+-	1.4%	7903.35+-	0.1%	13.5	10432
5059	17/ 4/80	54:30:15N	36	33	33.559	184.39+-	2.4%	2896.21+-	0.2%	15.7	10433
5060	17/ 4/80	54:19:51N	20	3	33.161	848.53+-	1.3%	11197.10+-	0.1%	13.2	10434
5060	17/ 4/80	54:19:51N	20	17	33.174	644.51+-	1.4%	8681.45+-	0.1%	13.5	10435
5061	17/ 4/80	54:24:30N	18	3	32.442	2212.57+-	1.2%	28624.90+-	0.1%	12.9	10436
5062	17/ 4/80	54:24:12N	21	3	NA	586.37+-	1.4%	7756.65+-	0.1%	13.2	10437
5062	17/ 4/80	54:24:12N	21	18	NA	803.04+-	1.3%	10380.50+-	0.1%	12.9	10438
5063	17/ 4/80	54:25:54N	29	3	NA	613.05+-	1.1%	6142.00+-	0.1%	10.0	10439
5063	17/ 4/80	54:25:54N	29	26	NA	531.44+-	1.4%	7131.55+-	0.1%	13.4	10440
5064	17/ 4/80	54:27:21N	39	3	33.593	179.82+-	2.3%	2525.19+-	0.2%	14.0	10441
5064	17/ 4/80	54:27:21N	39	36	NA	168.06+-	2.4%	2424.49+-	0.2%	14.4	10442
5065	17/ 4/80	54:31:42N	32	29	NA	220.33+-	2.2%	3427.52+-	0.1%	15.6	10443
5066	17/ 4/80	54:35: 6N	27	3	33.032	240.99+-	2.1%	3757.77+-	0.1%	15.6	10444
5066	17/ 4/80	54:35: 6N	27	24	NA	261.14+-	2.0%	4055.50+-	0.1%	15.5	10445
5067	17/ 4/80	54:30: 6N	29	26	NA	342.64+-	1.8%	5103.96+-	0.1%	14.9	10446
5068	17/ 4/80	54:24:18N	26	3	NA	1640.01+-	1.2%	20996.40+-	0.1%	12.8	10448
5068	17/ 4/80	54:26:33N	24	18	NA	542.79+-	1.5%	7645.54+-	0.1%	14.1	10447
5069	17/ 4/80	54:21:51N	23	21	NA	2175.48+-	1.2%	27344.90+-	0.1%	12.6	10449
5070	17/ 4/80	54:17:51N	21	18	NA	649.61+-	1.4%	8638.88+-	0.1%	13.3	10450
5071	17/ 4/80	54:12:12N	18	3	33.301	294.97+-	1.9%	4439.02+-	0.1%	15.0	10451
5071	17/ 4/80	54:12:12N	18	15	NA	289.88+-	1.9%	4222.08+-	0.1%	14.6	10452

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
5072	17/ 4/80	54:11:57N	27	24	NA	143.43+- 2.8%	2208.89+- 0.2%	15.4	10453
5073	17/ 4/80	54:12: 0N	30	3	32.836	457.98+- 1.6%	6523.06+- 0.1%	14.2	10454
5073	17/ 4/80	54:12: 0N	30	27	NA	107.45+- 3.6%	1987.70+- 0.2%	18.5	10455
5074	17/ 4/80	54:17:30N	33	30	NA	162.27+- 2.7%	2677.86+- 0.2%	16.5	10456
5075	17/ 4/80	54:23: 6N	21	18	NA	999.85+- 1.3%	12796.60+- 0.1%	12.8	10457
5076	17/ 4/80	54:21:48N	15	12	NA	3228.33+- 1.2%	40936.30+- 0.1%	12.7	10458
5076	17/ 4/80	54:21:48N	18	15	NA	3092.11+- 1.2%	39691.40+- 0.1%	12.8	10459
5076	17/ 4/80	54:21:48N	21	18	NA	2003.15+- 1.2%	25403.90+- 0.1%	12.7	10460
5076	18/ 4/80	54:21:48N	17	14	NA	3632.42+- 1.2%	46088.10+- 0.1%	12.7	10463
5076	18/ 4/80	54:21:48N	19	16	NA	4539.96+- 1.2%	58445.70+- 0.1%	12.9	10464
5076	18/ 4/80	54:21:48N	21	18	NA	3878.75+- 1.2%	48310.30+- 0.1%	12.5	10462
5076	18/ 4/80	54:21:48N	23	20	NA	2014.05+- 1.2%	25884.90+- 0.1%	12.9	10461
5079	18/ 4/80	54:15: 0N	21	3	32.945	542.17+- 1.5%	7704.89+- 0.1%	14.2	10465
5079	18/ 4/80	54:15: 0N	21	18	33.010	371.84+- 1.7%	5492.54+- 0.1%	14.8	10466
5080	18/ 4/80	54:10: 0N	38	3	34.234	43.06+- 7.9%	960.11+- 0.3%	22.3	10467
5081	18/ 4/80	54: 8:30N	43	3	34.198	18.56+-17.9%	732.14+- 0.4%	39.5	10468
5082	19/ 4/80	53:59:33N	43	3	34.361	36.19+- 9.4%	918.07+- 0.3%	25.4	10469
5082	19/ 4/80	53:59:33N	43	40	34.389	ND	511.39+- 0.4%		10470
5083	19/ 4/80	54: 1: 0N	61	3	34.493	8.03+-46.7%	310.05+- 0.8%	38.6	10471
5084	19/ 4/80	54: 2: 0N	94	3	34.115	47.24+- 7.3%	1145.50+- 0.3%	24.2	10472
5085	19/ 4/80	54: 0: 0N	20	3	33.898	60.01+- 5.9%	1328.32+- 0.3%	22.1	10473
5086	19/ 4/80	54:11:30N	23	3	33.947	54.61+- 6.4%	1232.24+- 0.3%	22.6	10474
5086	19/ 4/80	54:11:30N	23	20	33.938	71.19+- 4.9%	1265.75+- 0.3%	17.8	10475
5087	20/ 4/80	54:19:15N	79	3	34.080	58.17+- 6.0%	1171.90+- 0.3%	20.1	10476
5087	20/ 4/80	54:19:15N	79	76	34.089	47.48+- 7.2%	1113.62+- 0.3%	23.5	10477
5088	20/ 4/80	54:20:30N	34	3	33.959	78.49+- 4.6%	1444.71+- 0.2%	18.4	10478
5089	20/ 4/80	54:40:12N	23	3	34.080	52.29+- 6.5%	1045.05+- 0.3%	20.0	10479
5089	20/ 4/80	54:40:12N	23	20	34.083	43.20+- 7.8%	944.02+- 0.3%	21.9	10480
5090	20/ 4/80	54:29:27N	132	3	34.180	35.95+- 9.2%	778.18+- 0.4%	21.6	10481
5090	20/ 4/80	54:29:27N	132	129	34.308	22.82+-14.3%	635.67+- 0.5%	27.9	10482

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	depth (m)	concentration (Bq m^{-3})		
5091	20/ 4/80	54:40: 0N	78	3	34.078	50.03+-	6.8%	1021.48+-	0.3%	20.4	10483
5092	20/ 4/80	54:40: 0N	147	3	34.012	65.48+-	5.3%	1145.42+-	0.3%	17.5	10484
5093	20/ 4/80	54:50: 0N	118	3	33.707	62.63+-	5.6%	1264.13+-	0.3%	20.2	10485
5094	20/ 4/80	54:59:57N	145	3	33.366	81.84+-	4.4%	1395.77+-	0.3%	17.1	10486
5094	20/ 4/80	54:59:57N	145	142	33.958	56.68+-	6.1%	1183.74+-	0.3%	20.9	10487
5095	20/ 4/80	55:10: 0N	112	3	33.779	64.71+-	5.5%	1346.72+-	0.3%	20.8	10488
5096	20/ 4/80	55:20: 0N	116	3	33.827	64.83+-	5.4%	1226.53+-	0.3%	18.9	10489
5097	21/ 4/80	55:29:54N	97	3	33.942	65.70+-	2.3%	1039.41+-	0.1%	15.8	10490
5097	21/ 4/80	55:29:54N	97	92	34.029	59.88+-	2.4%	964.92+-	0.1%	16.1	10491
5098	21/ 4/80	56: 0: 0N	64	3	34.727	26.33+-	4.4%	383.55+-	0.3%	14.6	10492
5099	21/ 4/80	56:29:54N	152	3	34.969	14.19+-	7.7%	231.68+-	0.4%	16.3	10493
5099	21/ 4/80	56:29:54N	152	147	35.289	ND		33.56+-	1.5%		10494
5100	21/ 4/80	57: 0: 0N	135	3	34.399	37.87+-	3.3%	618.55+-	0.2%	16.3	10495
5100	21/ 4/80	57: 0: 0N	135	130	35.022	11.60+-	9.2%	196.49+-	0.5%	16.9	10496
5101	21/ 4/80	57:30: 0N	119	3	34.349	37.74+-	3.2%	593.51+-	0.2%	15.7	10497
5102	21/ 4/80	58: 0: 0N		3	34.331	31.75+-	3.7%	525.12+-	0.2%	16.5	10498
5103	21/ 4/80	58:29:57N	96	3	34.501	19.15+-	5.8%	324.12+-	0.3%	16.9	10499
5103	21/ 4/80	58:29:57N	96	91	34.712	13.42+-	8.0%	202.96+-	0.4%	15.1	10500
5104	22/ 4/80	58:40:12N	88	3	34.439	19.05+-	5.8%	299.37+-	0.3%	15.7	10501
5105	22/ 4/80	58:41:30N	121	3	34.752	7.78+-	13.6%	166.08+-	0.5%	21.4	10502
5106	22/ 4/80	58:38:42N	80	3	34.746	7.27+-	14.5%	142.79+-	0.6%	19.6	10503
5107	22/ 4/80	58:30: 0N	79	3	34.742	5.50+-	19.1%	144.44+-	0.6%	26.3	10504
5108	22/ 4/80	58: 0: 0N	100	3	34.714	4.08+-	27.9%	148.98+-	0.6%	36.5	10505
5109	22/ 4/80	57:30: 0N	79	3	34.411	6.90+-	21.7%	175.95+-	0.7%	25.5	10506
5110	22/ 4/80	57: 0: 0N	70	3	34.471	7.70+-	19.5%	214.72+-	0.6%	27.9	10507
5111	22/ 4/80	56:30: 0N	78	3	34.683	5.61+-	26.6%	191.87+-	0.7%	34.2	10508
5112	23/ 4/80	56: 0: 0N	78	3	34.755	9.33+-	16.1%	193.47+-	0.7%	20.7	10509
5113	23/ 4/80	55:30: 0N	66	3	34.595	15.79+-	9.7%	263.97+-	0.5%	16.7	10510
5114	23/ 4/80	55: 0: 0N	80	3	34.549	16.35+-	9.4%	308.71+-	0.5%	18.9	10511
5115	23/ 4/80	54:30: 0N	74	3	34.320	15.82+-	9.7%	359.07+-	0.4%	22.7	10512

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
5116	23/ 4/80	54: 0: 0N	52	3	34.068	17.90+- 8.6%	358.55+- 0.4%	20.0	10513
5117	23/ 4/80	53:30: 0N	22	3	34.165	15.18+-10.4%	376.83+- 0.4%	24.8	10514
5119	23/ 4/80	53: 0: 0N	28	3	33.019	19.88+- 8.0%	369.63+- 0.4%	18.6	10515
Site 38 Cirolana									
6001	4/ 6/81	50:48:54N	37	3	34.869	NA	NA		10000
6002	4/ 6/81	50:18:54N	53	3	34.902	NA	NA		10001
6003	5/ 6/81	49:57:46N		3	34.990	NA	NA		10002
6004	5/ 6/81	49:27:30N	99	3	35.034	NA	NA		10003
6005	5/ 6/81	48:53:54N	138	3	35.242	NA	NA		10004
6010	6/ 6/81	48:23:48N	190	3	35.472	NA	NA		10005
6030	10/ 6/81	48:34:24N		3	35.535	NA	NA		10006
6032	11/ 6/81	49:56:12N		3	35.479	NA	NA		10007
6036	11/ 6/81	54:10:54N		3	35.405	NA	NA		10008
Site 38 Cirolana									
7001	8/ 7/81	53:34:18N	25	3	34.000	10.50+-11.6%	214.63+- 0.5%	20.4	10009
7002	8/ 7/81	54: 0: 0N	40	3	34.449	6.72+- 9.4%	198.17+- 0.3%	29.5	10010
7003	8/ 7/81	54:30: 0N	29	3	34.648	8.10+- 7.8%	175.92+- 0.3%	21.7	10011
7004	8/ 7/81	54:59:42N	22	3	34.681	7.55+- 8.4%	181.57+- 0.3%	24.0	10012
7005	8/ 7/81	55:30: 0N	44	3	34.842	9.28+-13.6%	184.75+- 0.5%	19.9	10013
7006	9/ 7/81	56: 0: 0N	36	3	34.897	11.93+-10.7%	141.00+- 0.7%	11.8	10014
7007	9/ 7/81	56:30: 0N	64	3	34.994	13.02+- 9.8%	118.35+- 0.7%	9.1	10015
7008	9/ 7/81	57: 0: 0N	65	3	32.676	ND	77.33+- 0.9%		10016
7008	9/ 7/81	57: 0: 0N	65	3	32.672	ND	75.70+- 0.9%		10017
7008	9/ 7/81	57: 0: 0N	65	49	35.057	2.75+-46.7%	77.96+- 1.1%	28.3	10018
7009	9/ 7/81	57:30: 0N	65	3	31.973	ND	71.97+- 0.9%		10019
7010	9/ 7/81	58: 0: 6N	97	3	32.051	ND	84.73+- 0.8%		10020

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7010	9/ 7/81	58: 0: 6N	97	25	35.129	ND	46.56+- 1.2%		10021
7010	9/ 7/81	58: 0: 6N	97	92	34.828	ND	57.77+- 1.1%		10022
7011	9/ 7/81	58:30: 0N	270	3	31.691	ND	80.81+- 0.8%		10023
7012	9/ 7/81	59: 0: 0N	293	3	31.661	ND	84.67+- 0.8%		10024
7012	9/ 7/81	59: 0: 0N	293	100	35.124	ND	35.19+- 0.8%		10025
7012	9/ 7/81	59: 0: 0N	293	290	35.172	ND	36.89+- 0.8%		10026
7013	9/ 7/81	59:30: 0N	279	3	32.134	ND	82.88+- 0.8%		10027
7014	10/ 7/81	60: 0: 0N	288	3	33.236	ND	68.62+- 0.5%		10028
7014	10/ 7/81	60: 0: 0N	288	100	35.290	ND	7.20+- 3.4%		10029
7014	10/ 7/81	60: 0: 0N	288	270	35.236	ND	22.11+- 1.2%		10030
7015	10/ 7/81	60:30: 0N	305	3	33.335	ND	69.72+- 0.5%	21.1	10031
7016	10/ 7/81	61: 0: 0N	350	3	32.204	3.86+-12.7%	81.41+- 0.5%		10032
7016	10/ 7/81	61: 0: 0N	350	30	33.874	ND	50.11+- 0.6%		10033
7016	10/ 7/81	61: 0: 0N	350	100	35.243	ND	12.18+- 2.1%		10034
7016	10/ 7/81	61: 0: 0N	350	316	35.180	ND	36.98+- 0.8%		10035
7017	10/ 7/81	61:30: 0N	347	3	32.876	2.45+-20.0%	82.69+- 0.5%	33.8	10036
7018	10/ 7/81	62: 0: 0N	220	3	31.626	4.83+-10.2%	88.31+- 0.5%	18.3	10037
7018	10/ 7/81	62: 0: 0N	220	30	34.065	2.30+-21.3%	77.38+- 0.5%	33.7	10038
7018	10/ 7/81	62: 0: 0N	220	100	35.092	ND	40.38+- 0.7%		10039
7018	10/ 7/81	62: 0: 0N	220	200	35.174	ND	32.61+- 0.8%		10040
7019	10/ 7/81	62:30: 0N	200	3	31.824	4.87+-10.3%	92.80+- 0.4%	19.1	10041
7020	10/ 7/81	63: 0: 0N	320	3	33.185	4.04+-12.3%	83.32+- 0.5%	20.6	10042
7020	10/ 7/81	63: 0: 0N	320	30	34.249	3.41+-14.5%	85.84+- 0.5%	25.2	10043
7020	10/ 7/81	63: 0: 0N	320	100	35.150	ND	27.47+- 1.0%		10044
7020	10/ 7/81	63: 0: 0N	320	292	35.178	ND	30.24+- 0.9%		10045
7021	10/ 7/81	63:30: 0N	1260	3	33.756	ND	54.35+- 0.6%		10046
7022	10/ 7/81	64: 0: 0N	1210	3	33.356	ND	71.22+- 0.5%		10047
7022	10/ 7/81	64: 0: 0N	1210	30	35.240	ND	9.22+- 2.7%		10048
7022	10/ 7/81	64: 0: 0N	1210	100	35.282	ND	8.32+- 3.0%		10049
7022	10/ 7/81	64: 0: 0N	1210	500	35.133	ND	26.73+- 1.1%		10050

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7023	11/ 7/81	64:30: 0N 5: 0: 0E	1200	3	34.797	ND	25.59+- 1.1%		10051
7024	11/ 7/81	65: 0: 0N 5: 0: 0E	785	3	34.952	ND	21.44+- 1.2%		10052
7024	11/ 7/81	65: 0: 0N 5: 0: 0E	785	30	35.143	ND	14.63+- 1.8%		10053
7024	11/ 7/81	65: 0: 0N 5: 0: 0E	785	100	35.255	ND	5.55+- 4.5%		10054
7024	11/ 7/81	65: 0: 0N 5: 0: 0E	785	500	34.935	ND	3.00+- 8.3%		10055
7025	11/ 7/81	65: 0: 0N 6: 0: 0E	500	3	34.794	ND	29.78+- 0.9%		10056
7026	11/ 7/81	65: 0: 0N 7: 0: 0E	300	3	34.294	ND	49.08+- 0.6%		10057
7026	11/ 7/81	65: 0: 0N 7: 0: 0E	300	30	34.989	ND	28.71+- 1.0%		10058
7026	11/ 7/81	65: 0: 0N 7: 0: 0E	300	100	35.243	ND	11.44+- 2.5%		10059
7026	11/ 7/81	65: 0: 0N 7: 0: 0E	300	270	35.146	ND	20.74+- 1.3%		10060
7027	11/ 7/81	65: 0: 0N 8:30: 0E	196	3	34.756	ND	38.75+- 0.7%		10061
7028	11/ 7/81	65: 0: 6N 9:59:54E	289	3	32.656	3.72+-13.6%	80.51+- 0.5%	21.7	10062
7028	11/ 7/81	65: 0: 6N 9:59:54E	289	30	33.804	3.58+-14.1%	74.39+- 0.5%	20.8	10063
7028	11/ 7/81	65: 0: 6N 9:59:54E	289	100	33.835	ND	57.90+- 0.5%		10064
7028	11/ 7/81	65: 0: 6N 9:59:54E	289	265	35.105	ND	35.15+- 0.8%		10065
7029	11/ 7/81	65:30: 0N 9:57:30E	315	3	33.320	2.88+-17.4%	82.36+- 0.5%	28.6	10066
7030	11/ 7/81	66: 0: 0N 10: 0: 0E	285	3	32.854	3.72+-13.7%	90.65+- 0.5%	24.4	10067
7030	11/ 7/81	66: 0: 0N 10: 0: 0E	285	30	34.273	3.23+-30.5%	86.82+- 0.8%	26.9	10068
7030	11/ 7/81	66: 0: 0N 10: 0: 0E	285	100	34.355	ND	53.89+- 0.6%		10069
7030	11/ 7/81	66: 0: 0N 10: 0: 0E	285	255	35.132	ND	19.37+- 1.4%		10070
7031	12/ 7/81	66:30: 0N 10: 0: 0E	264	3	34.264	ND	72.27+- 0.4%		10071
7032	12/ 7/81	67: 0: 0N 10: 2:42E	419	3	33.935	ND	73.56+- 0.4%		10072
7032	12/ 7/81	67: 0: 0N 10: 2:42E	419	30	34.792	ND	54.42+- 0.6%		10073
7032	12/ 7/81	67: 0: 0N 10: 2:42E	419	100	35.216	ND	15.16+- 1.9%		10074
7032	12/ 7/81	67: 0: 0N 10: 2:42E	419	400	35.194	ND	10.78+- 2.5%		10075
7033	12/ 7/81	67:30: 0N 10: 0:12E	260	3	33.071	2.76+-18.4%	95.31+- 0.4%	34.5	10076
7034	12/ 7/81	68: 0: 0N 10: 0: 0E	825	3	34.651	ND	44.35+- 0.7%		10077
7034	12/ 7/81	68: 0: 0N 10: 0: 0E	825	30	35.209	ND	13.99+- 1.7%		10078
7034	12/ 7/81	68: 0: 0N 10: 0: 0E	825	100	35.261	ND	8.31+- 3.0%		10079
7034	12/ 7/81	68: 0: 0N 10: 0: 0E	825	500	35.029	ND	4.96+- 4.9%		10080

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7035	12/ 7/81	68:30: 0N 10: 0: 0E	2550	3	34.857	ND	28.81+- 0.9%		10081
7036	12/ 7/81	69: 0: 0N 10: 0: 0E	3055	3	34.858	ND	36.46+- 0.8%		10082
7036	12/ 7/81	69: 0: 0N 10: 0: 0E	3055	70	35.144	ND	18.59+- 1.4%		10083
7036	12/ 7/81	69: 0: 0N 10: 0: 0E	3055	100	35.223	ND	11.14+- 2.4%		10084
7036	12/ 7/81	69: 0: 0N 10: 0: 0E	3055	500	35.060	ND	10.60+- 2.4%		10085
7037	12/ 7/81	69:30: 6N 10: 0: 0E	3350	3	35.017	ND	27.94+- 1.0%		10086
7038	12/ 7/81	70: 0: 0N 10: 0: 6E	2920	3	34.932	ND	33.00+- 0.8%		10087
7038	12/ 7/81	70: 0: 0N 10: 0: 6E	2920	30	35.077	ND	22.34+- 1.2%		10088
7038	12/ 7/81	70: 0: 0N 10: 0: 6E	2920	100	35.179	ND	10.38+- 2.7%		10089
7038	12/ 7/81	70: 0: 0N 10: 0: 6E	2920	500	35.056	ND	9.18+- 2.8%		10090
7039	13/ 7/81	70: 0:18N 11:31:36E		3	34.904	ND	30.70+- 0.9%		10091
7040	13/ 7/81	70: 0: 0N 13: 0: 6E	2805	3	34.733	ND	47.28+- 0.6%		10092
7040	13/ 7/81	70: 0: 0N 13: 0: 6E	2805	100	35.119	ND	19.99+- 1.3%		10093
7040	13/ 7/81	70: 0: 0N 13: 0: 6E	2805	200	35.166	ND	13.82+- 1.8%		10094
7040	13/ 7/81	70: 0: 0N 13: 0: 6E	2805	500	35.069	ND	11.13+- 2.3%		10095
7041	13/ 7/81	69:59:36N 14:32:42E	2595	3	34.744	ND	38.99+- 0.7%		10096
7042	13/ 7/81	70: 0: 0N 16: 0: 0E	2100	3	34.823	ND	40.36+- 0.7%		10097
7042	13/ 7/81	70: 0: 0N 16: 0: 0E	2100	30	34.969	ND	32.85+- 1.5%		10098
7042	13/ 7/81	70: 0: 0N 16: 0: 0E	2100	100	34.974	ND	22.88+- 1.3%		10099
7042	13/ 7/81	70: 0: 0N 16: 0: 0E	2100	500	35.076	ND	11.38+- 2.3%		10100
7043	13/ 7/81	69:59:54N 17:23: 0E	99	3	33.978	ND	72.98+- 0.4%		10101
7043	13/ 7/81	69:59:54N 17:23: 0E	99	30	34.029	ND	76.58+- 0.5%		10102
7043	13/ 7/81	69:59:54N 17:23: 0E	99	50	34.072	ND	72.85+- 0.4%		10103
7043	13/ 7/81	69:59:54N 17:23: 0E	99	85	34.229	ND	69.96+- 0.5%		10104
7044	13/ 7/81	70:30: 0N 18: 0: 0E	270	3	34.359	ND	68.08+- 0.5%		10105
7045	13/ 7/81	70:59:54N 17:59:48E	240	3	34.934	ND	58.18+- 0.5%		10106
7045	13/ 7/81	70:59:54N 17:59:48E	240	30	34.628	ND	52.90+- 1.0%		10107
7045	13/ 7/81	70:59:54N 17:59:48E	240	100	34.632	ND	38.88+- 0.7%		10108
7045	13/ 7/81	70:59:54N 17:59:48E	240	225	35.142	ND	11.33+- 2.3%		10109
7046	13/ 7/81	71: 0: 0N 19:30: 0E	195	3	34.588	ND	47.23+- 0.6%		10110

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	activity (Bq m^{-3})	depth (m)	activity (Bq m^{-3})		
7047	14/ 7/81	70:59:48N 20:59:36E	168	3	34.597	ND	46.54+-	0.6%	10111		
7047	14/ 7/81	70:59:48N 20:59:36E	168	30	34.696	ND	43.74+-	0.7%	10112		
7047	14/ 7/81	70:59:48N 20:59:36E	168	100	34.901	ND	29.56+-	0.9%	10113		
7047	14/ 7/81	70:59:48N 20:59:36E	168	150	34.938	ND	26.61+-	1.0%	10114		
7048	14/ 7/81	71: 9: 6N 22:37: 6E	340	3	34.735	ND	36.93+-	0.8%	10115		
7049	14/ 7/81	71:17:48N 24: 0: 6E	360	3	34.814	ND	33.76+-	0.8%	10116		
7049	14/ 7/81	71:17:48N 24: 0: 6E	360	30	34.910	ND	31.36+-	0.9%	10117		
7049	14/ 7/81	71:17:48N 24: 0: 6E	360	100	34.999	ND	22.77+-	1.1%	10118		
7049	14/ 7/81	71:17:48N 24: 0: 6E	360	340	34.990	ND	18.56+-	1.5%	10119		
7050	14/ 7/81	71:23: 6N 25:29: 0E	297	3	34.560	ND	45.02+-	0.6%	10120		
7051	14/ 7/81	71:21:24N 27: 0: 0E	258	3	34.371	ND	50.22+-	0.6%	10121		
7051	14/ 7/81	71:21:24N 27: 0: 0E	258	100	34.735	ND	37.16+-	0.8%	10122		
7051	14/ 7/81	71:21:24N 27: 0: 0E	258	240	34.958	ND	23.07+-	1.1%	10123		
7052	14/ 7/81	71:18:24N 28:30: 0E	420	3	34.471	ND	43.71+-	1.3%	10124		
7053	14/ 7/81	71: 0: 0N 29:59:54E	311	3	34.338	ND	47.56+-	1.2%	10125		
7053	14/ 7/81	71: 0: 0N 29:59:54E	311	36	34.484	ND	47.95+-	2.0%	10126		
7053	14/ 7/81	71: 0: 0N 29:59:54E	311	100	34.638	ND	41.50+-	1.5%	10127		
7053	14/ 7/81	71: 0: 0N 29:59:54E	311	285	34.939	ND	36.65+-	1.6%	10128		
7054	14/ 7/81	71:30: 0N 29:56:30E	317	3	34.438	ND	49.41+-	1.2%	10129		
7055	14/ 7/81	71:59:48N 30: 1: 0E	331	3	34.533	ND	41.28+-	1.4%	10130		
7055	14/ 7/81	71:59:48N 30: 1: 0E	331	100	34.856	ND	32.83+-	1.7%	10131		
7055	14/ 7/81	71:59:48N 30: 1: 0E	331	310	34.970	ND	22.55+-	2.4%	10132		
7056	15/ 7/81	72:30: 0N 30: 2: 0E	150	3	34.680	ND	35.47+-	1.6%	10133		
7057	15/ 7/81	72:59:54N 30: 0: 0E	281	3	34.770	ND	32.61+-	1.7%	10134		
7057	15/ 7/81	72:59:54N 30: 0: 0E	281	30	34.897	ND	18.28+-	2.9%	10135		
7057	15/ 7/81	72:59:54N 30: 0: 0E	281	100	34.896	ND	23.70+-	2.4%	10136		
7057	15/ 7/81	72:59:54N 30: 0: 0E	281	260	34.908	ND	25.15+-	2.2%	10137		
7058	15/ 7/81	73:30: 6N 30: 1:36E	400	3	34.900	ND	23.07+-	2.3%	10138		
7059	15/ 7/81	73:59:54N 29:59:48E	357	3	34.945	ND	23.76+-	2.3%	10139		
7059	15/ 7/81	73:59:54N 29:59:48E	357	30	34.933	ND	21.80+-	2.4%	10140		

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7059	15/ 7/81	73:59:54N 29:59:48E	357	100	34.965	ND	24.11+- 2.2%		10141
7059	15/ 7/81	73:59:54N 29:59:48E	357	335	34.927	ND	18.78+- 2.8%		10142
7060	15/ 7/81	74:30: 0N 30: 0:48E	370	3	34.896	ND	22.17+- 2.4%		10143
7061	15/ 7/81	75: 0: 0N 30: 0: 6E	393	3	33.473	ND	19.36+- 2.7%		10144
7061	15/ 7/81	75: 0: 0N 30: 0: 6E	393	40	34.703	ND	22.85+- 2.3%		10145
7061	15/ 7/81	75: 0: 0N 30: 0: 6E	393	100	34.962	ND	21.10+- 2.6%		10146
7061	15/ 7/81	75: 0: 0N 30: 0: 6E	393	353	34.950	ND	18.89+- 3.1%		10147
7062	15/ 7/81	75:30:18N 29:59:18E	370	3	33.435	ND	19.24+- 2.7%		10148
7063	15/ 7/81	75:59:54N 29:59:48E	323	3	32.994	ND	19.22+- 2.7%		10149
7063	15/ 7/81	75:59:54N 29:59:48E	323	30	34.364	ND	20.06+- 2.6%		10150
7063	15/ 7/81	75:59:54N 29:59:48E	323	100	34.995	ND	19.39+- 2.7%		10151
7063	15/ 7/81	75:59:54N 29:59:48E	323	305	34.933	ND	16.70+- 3.1%		10152
7064	16/ 7/81	76:30:12N 30: 0:36E	290	3	33.205	ND	19.44+- 2.7%		10153
7065	16/ 7/81	76:49: 6N 30: 0:24E	262	3	32.513	ND	15.94+- 3.2%		10154
7065	16/ 7/81	76:49: 6N 30: 0:24E	262	30	34.315	ND	16.88+- 3.1%		10155
7065	16/ 7/81	76:49: 6N 30: 0:24E	262	100	34.976	ND	17.83+- 3.0%		10156
7065	16/ 7/81	76:49: 6N 30: 0:24E	262	240	34.924	ND	16.65+- 3.4%		10157
7066	16/ 7/81	76:23: 6N 27:29:24E	110	3	33.240	ND	15.85+- 3.2%		10158
7067	16/ 7/81	75:59:54N 25: 0:12E	99	3	33.091	ND	13.49+- 3.7%		10159
7067	16/ 7/81	75:59:54N 25: 0:12E	99	30	34.240	ND	8.84+- 5.7%		10160
7067	16/ 7/81	75:59:54N 25: 0:12E	99	80	34.396	ND	11.85+- 5.9%		10161
7068	16/ 7/81	75:29:48N 25: 2:48E	133	3	33.349	ND	17.49+- 3.0%		10162
7069	16/ 7/81	75: 0: 0N 25: 0: 0E	193	3	33.875	ND	18.59+- 2.8%		10163
7069	16/ 7/81	75: 0: 0N 25: 0: 0E	193	30	34.420	ND	17.83+- 2.9%		10164
7069	16/ 7/81	75: 0: 0N 25: 0: 0E	193	100	34.958	ND	17.12+- 3.1%		10165
7069	16/ 7/81	75: 0: 0N 25: 0: 0E	193	175	34.934	ND	16.39+- 3.2%		10166
7070	16/ 7/81	74:29:18N 24:59:48E	312	3	34.255	ND	19.38+- 2.7%		10167
7071	16/ 7/81	74: 0: 6N 24:59:48E	465	3	34.562	ND	18.73+- 2.8%		10168
7071	16/ 7/81	74: 0: 6N 24:59:48E	465	70	34.988	ND	16.24+- 3.2%		10169
7071	16/ 7/81	74: 0: 6N 24:59:48E	465	100	34.974	ND	18.88+- 3.0%		10170

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7071	16/ 7/81	74: 0: 6N 24:59:48E	465	440	34.942	ND	16.31+- 3.3%		10171
7072	16/ 7/81	73:30: 0N 25: 0: 0E	432	3	34.925	ND	19.07+- 2.8%		10172
7073	17/ 7/81	72:59:36N 25: 1:12E	438	3	34.982	ND	19.97+- 2.7%		10173
7073	17/ 7/81	72:59:36N 25: 1:12E	438	50	35.041	ND	21.03+- 2.5%		10174
7073	17/ 7/81	72:59:36N 25: 1:12E	438	100	35.047	ND	17.26+- 3.0%		10175
7073	17/ 7/81	72:59:36N 25: 1:12E	438	410	34.983	ND	18.48+- 2.8%		10176
7074	17/ 7/81	72:29:42N 25: 5:12E	245	3	34.757	ND	30.61+- 1.8%		10177
7075	17/ 7/81	72: 0: 0N 25: 0:18E	273	3	34.687	ND	39.71+- 1.5%		10178
7075	17/ 7/81	72: 0: 0N 25: 0:18E	273	30	34.710	ND	35.24+- 1.6%		10179
7075	17/ 7/81	72: 0: 0N 25: 0:18E	273	100	34.961	ND	26.66+- 2.1%		10180
7075	17/ 7/81	72: 0: 0N 25: 0:18E	273	250	34.961	ND	21.93+- 2.7%		10181
7076	17/ 7/81	72: 0: 0N 22:30: 0E	373	3	34.830	ND	30.47+- 0.9%		10182
7077	17/ 7/81	72: 0: 0N 20: 0: 6E	341	3	34.982	ND	23.68+- 1.1%		10183
7077	17/ 7/81	72: 0: 0N 20: 0: 6E	341	65	35.062	ND	21.34+- 1.2%		10184
7077	17/ 7/81	72: 0: 0N 20: 0: 6E	341	100	35.064	ND	18.42+- 1.4%		10185
7077	17/ 7/81	72: 0: 0N 20: 0: 6E	341	318	35.006	ND	16.37+- 1.6%		10186
7078	17/ 7/81	72:30: 0N 19:59:18E	388	3	35.000	ND	22.81+- 1.2%		10187
7079	17/ 7/81	72:59:54N 20: 0: 0E	440	3	34.982	ND	17.96+- 1.5%		10188
7079	17/ 7/81	72:59:54N 20: 0: 0E	440	30	35.009	ND	19.55+- 1.3%		10189
7079	17/ 7/81	72:59:54N 20: 0: 0E	440	100	35.046	ND	17.92+- 1.5%		10190
7079	17/ 7/81	72:59:54N 20: 0: 0E	440	425	34.959	ND	16.02+- 1.6%		10191
7080	18/ 7/81	73:30: 0N 20: 0: 0E	460	3	34.927	ND	18.34+- 1.4%		10192
7081	18/ 7/81	74: 0: 0N 20: 0: 0E	190	3	34.817	ND	16.64+- 1.6%		10193
7081	18/ 7/81	74: 0: 0N 20: 0: 0E	190	30	34.824	ND	16.56+- 1.6%		10194
7081	18/ 7/81	74: 0: 0N 20: 0: 0E	190	100	34.939	ND	16.86+- 1.7%		10195
7081	18/ 7/81	74: 0: 0N 20: 0: 0E	190	175	34.924	ND	15.20+- 1.7%		10196
7082	18/ 7/81	74:30: 0N 20: 0: 6E	91	3	33.602	ND	14.79+- 1.7%		10197
7083	18/ 7/81	75: 0: 0N 20: 0:18E	40	3	34.145	ND	14.66+- 1.8%		10198
7083	18/ 7/81	75: 0: 0N 20: 0:18E	40	20	34.135	ND	15.12+- 1.7%		10199
7084	18/ 7/81	75:30: 0N 20: 0: 0E	60	3	34.391	ND	14.58+- 1.8%		10200

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7085	18/ 7/81	75:59:54N 20: 0: 0E	105	3	34.143	ND	14.79+-	3.5%	10204
7085	18/ 7/81	75:59:54N 20: 0: 0E	105	25	34.501	ND	13.00+-	4.0%	10205
7085	18/ 7/81	75:59:54N 20: 0: 0E	105	85	34.681	ND	11.78+-	4.3%	10206
7086	19/ 7/81	76: 0: 0N 17:30: 0E	296	3	32.127	ND	13.75+-	3.8%	10207
7087	19/ 7/81	76:29:48N 14:59:54E	153	3	33.700	ND	13.09+-	3.9%	10208
7087	19/ 7/81	76:29:48N 14:59:54E	153	50	34.984	ND	15.09+-	3.5%	10209
7087	19/ 7/81	76:29:48N 14:59:54E	153	100	35.033	ND	11.80+-	4.3%	10210
7087	19/ 7/81	76:29:48N 14:59:54E	153	135	34.936	ND	13.58+-	4.0%	10211
7088	19/ 7/81	76: 0: 0N 15: 0:24E	349	3	34.144	ND	16.53+-	3.2%	10212
7088	19/ 7/81	76: 0: 0N 15: 0:24E	349	25	35.041	ND	19.33+-	2.7%	10213
7088	19/ 7/81	76: 0: 0N 15: 0:24E	349	100	35.091	ND	15.89+-	3.3%	10214
7088	19/ 7/81	76: 0: 0N 15: 0:24E	349	330	34.978	ND	7.73+-	7.2%	10215
7089	19/ 7/81	75:30: 0N 15: 0: 0E	400	3	34.374	ND	15.56+-	3.4%	10216
7090	19/ 7/81	75: 0: 0N 15: 0: 0E	1155	3	34.993	ND	20.37+-	2.6%	10217
7090	19/ 7/81	75: 0: 0N 15: 0: 0E	1155	30	35.015	ND	21.02+-	2.6%	10218
7090	19/ 7/81	75: 0: 0N 15: 0: 0E	1155	100	35.095	ND	13.45+-	3.8%	10219
7090	19/ 7/81	75: 0: 0N 15: 0: 0E	1155	500	34.963	ND	5.31+-	9.3%	10220
7091	19/ 7/81	74:30: 0N 14:58:36E	1820	3	35.020	ND	20.41+-	2.6%	10221
7092	19/ 7/81	74: 0: 6N 14:58:30E	1560	3	34.931	ND	31.31+-	1.8%	10222
7092	19/ 7/81	74: 0: 6N 14:58:30E	1560	50	NA	ND	17.80+-	2.9%	10223
7092	19/ 7/81	74: 0: 6N 14:58:30E	1560	100	35.124	ND	19.34+-	2.7%	10224
7092	19/ 7/81	74: 0: 6N 14:58:30E	1560	500	35.014	ND	12.21+-	4.4%	10225
7093	20/ 7/81	73:29:42N 15: 0: 0E	710	3	35.020	ND	23.83+-	2.3%	10226
7094	20/ 7/81	72:59:48N 15: 0:30E	545	3	34.817	ND	37.87+-	1.5%	10227
7094	20/ 7/81	72:59:48N 15: 0:30E	545	100	35.094	ND	19.37+-	2.7%	10228
7094	20/ 7/81	72:59:48N 15: 0:30E	545	500	35.000	ND	8.09+-	6.1%	10229
7095	20/ 7/81	72:29:42N 15: 1: 0E	565	3	34.629	ND	50.50+-	1.2%	10230
7096	20/ 7/81	72: 0: 0N 15: 0: 0E	1160	3	34.842	ND	38.54+-	1.5%	10231
7096	20/ 7/81	72: 0: 0N 15: 0: 0E	1160	40	35.016	ND	26.76+-	2.0%	10232
7096	20/ 7/81	72: 0: 0N 15: 0: 0E	1160	100	35.115	ND	16.62+-	3.4%	10233

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7096	20/ 7/81	72: 0: 0N 15: 0: 0E	1160	500	35.112	ND	11.51+-	4.9%	10234
7097	20/ 7/81	71:29:48N 15: 0:36E	1420	3	34.681	ND	46.94+-	1.3%	10235
7098	20/ 7/81	71: 0: 0N 15: 0: 6E	2110	3	34.728	ND	45.40+-	1.3%	10236
7098	20/ 7/81	71: 0: 0N 15: 0: 6E	2110	355	35.060	ND	10.77+-	4.7%	10237
7098	20/ 7/81	71: 0: 0N 15: 0: 6E	2110	504	35.014	ND	8.56+-	5.8%	10238
7099	20/ 7/81	71: 0:24N 12:28:36E	2440	3	34.996	ND	26.87+-	2.0%	10239
7099	20/ 7/81	71: 0:24N 12:28:36E	2440	100	35.169	ND	10.93+-	4.6%	10240
7099	20/ 7/81	71: 0:24N 12:28:36E	2440	350	35.064	ND	11.94+-	4.3%	10241
7099	20/ 7/81	71: 0:24N 12:28:36E	2440	500	35.018	ND	9.97+-	2.5%	10242
7100	21/ 7/81	71: 0:12N 9:59:54E	2685	3	35.076	ND	22.05+-	1.2%	10243
7100	21/ 7/81	71: 0:12N 9:59:54E	2685	50	35.024	ND	15.49+-	1.7%	10244
7100	21/ 7/81	71: 0:12N 9:59:54E	2685	100	35.092	ND	12.42+-	2.1%	10245
7100	21/ 7/81	71: 0:12N 9:59:54E	2685	300	34.942	ND	10.22+-	2.5%	10246
7100	21/ 7/81	71: 0:12N 9:59:54E	2685	500	35.029	ND	8.96+-	2.8%	10247
7100	21/ 7/81	71: 0:12N 9:59:54E	2685	1000	34.928	ND	2.44+-	10.3%	10248
7100	21/ 7/81	71: 0:12N 9:59:54E	2685	2620	34.918	ND	1.34+-	18.0%	10249
7101	21/ 7/81	71:30:24N 9:59:12E	2540	3	34.983	ND	26.60+-	1.0%	10250
7102	21/ 7/81	72: 0: 0N 9:59:48E	2405	3	35.036	ND	26.51+-	1.0%	10251
7102	21/ 7/81	72: 0: 0N 9:59:48E	2405	30	35.105	ND	20.83+-	2.1%	10252
7102	21/ 7/81	72: 0: 0N 9:59:48E	2405	100	35.110	ND	12.81+-	2.2%	10253
7102	21/ 7/81	72: 0: 0N 9:59:48E	2405	500	34.993	ND	9.34+-	2.9%	10254
7103	21/ 7/81	72:30: 0N 9:59:48E	2280	3	35.056	ND	19.17+-	1.4%	10255
7104	21/ 7/81	73: 0: 6N 9:59:48E	2230	3	35.084	ND	15.27+-	1.7%	10256
7104	21/ 7/81	73: 0: 6N 9:59:48E	2230	50	35.053	ND	15.44+-	1.7%	10257
7104	21/ 7/81	73: 0: 6N 9:59:48E	2230	100	34.942	ND	8.78+-	2.8%	10258
7105	21/ 7/81	73:30: 0N 10: 0: 0E	2315	3	35.063	ND	16.17+-	1.6%	10259
7106	21/ 7/81	74: 0: 0N 10: 0: 0E	2425	3	35.058	ND	18.82+-	1.4%	10260
7106	21/ 7/81	74: 0: 0N 10: 0: 0E	2425	50	35.053	ND	13.74+-	2.0%	10261
7106	21/ 7/81	74: 0: 0N 10: 0: 0E	2425	180	35.038	ND	11.79+-	2.2%	10262
7106	21/ 7/81	74: 0: 0N 10: 0: 0E	2425	500	34.942	ND	7.88+-	3.2%	10263

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7106	21/ 7/81	74: 0: 0N 10: 0: 0E	2425	650	34.901	ND	4.16+- 6.1%		10264
7106	21/ 7/81	74: 0: 0N 10: 0: 0E	2425	1000	34.906	ND	2.52+- 9.9%		10265
7106	21/ 7/81	74: 0: 0N 10: 0: 0E	2425	2364	34.904	ND	1.33+-18.9%		10266
7107	22/ 7/81	74:30: 6N 10: 0:12E	2400	3	35.006	ND	12.33+- 2.1%		10267
7108	22/ 7/81	74:59:54N 10: 0: 6E	2580	3	35.024	ND	15.87+- 1.6%		10268
7108	22/ 7/81	74:59:54N 10: 0: 6E	2580	75	34.982	ND	11.48+- 2.2%		10269
7108	22/ 7/81	74:59:54N 10: 0: 6E	2580	500	34.998	ND	10.12+- 2.5%		10270
7109	22/ 7/81	75:30:12N 9:59:48E	2455	3	34.958	ND	15.93+- 1.6%		10271
7110	22/ 7/81	75:59:54N 9:59:54E	2345	3	34.916	ND	16.47+- 1.6%		10272
7110	22/ 7/81	75:59:54N 9:59:54E	2345	100	35.027	ND	13.51+- 1.8%		10273
7110	22/ 7/81	75:59:54N 9:59:54E	2345	330	34.983	ND	10.75+- 2.4%		10274
7110	22/ 7/81	75:59:54N 9:59:54E	2345	500	34.973	ND	10.72+- 2.5%		10275
7111	22/ 7/81	76:30: 0N 10: 2:18E	2220	3	34.890	ND	15.69+- 1.6%		10276
7112	22/ 7/81	76:59:54N 10: 0: 0E	2050	3	34.961	ND	18.29+- 1.4%		10277
7112	22/ 7/81	76:59:54N 10: 0: 0E	2050	100	35.017	ND	16.40+- 1.6%		10278
7112	22/ 7/81	76:59:54N 10: 0: 0E	2050	500	34.942	ND	9.14+- 2.7%		10279
7113	22/ 7/81	77:29:54N 9:59:54E	1540	3	34.889	ND	23.17+- 1.1%		10280
7114	23/ 7/81	78: 0: 6N 10: 0:36E	179	3	33.333	ND	16.14+- 1.6%		10284
7114	23/ 7/81	78: 0: 6N 10: 0:36E	179	35	34.722	ND	17.55+- 1.4%		10285
7114	23/ 7/81	78: 0: 6N 10: 0:36E	179	100	34.945	ND	14.27+- 1.8%		10286
7114	23/ 7/81	78: 0: 6N 10: 0:36E	179	155	34.956	ND	12.96+- 2.0%		10287
7115	23/ 7/81	78: 0:12N 7:23: 0E	2350	3	34.699	ND	14.17+- 1.8%		10288
7116	23/ 7/81	78: 0: 0N 4:59:54E	2690	3	34.920	ND	12.10+- 2.1%		10289
7116	23/ 7/81	78: 0: 0N 4:59:54E	2690	35	34.985	ND	11.98+- 2.1%		10290
7116	23/ 7/81	78: 0: 0N 4:59:54E	2690	100	34.985	ND	9.18+- 4.4%		10291
7116	23/ 7/81	78: 0: 0N 4:59:54E	2690	500	34.882	ND	4.81+- 5.6%		10292
7117	23/ 7/81	78:30: 0N 4:59:54E	2240	3	34.752	ND	15.44+- 1.7%		10293
7118	23/ 7/81	78:56:42N 5: 4:24E	2565	3	32.519	ND	14.16+- 1.8%		10294
7118	23/ 7/81	78:56:42N 5: 4:24E	2565	15	34.196	ND	16.79+- 1.5%		10295
7118	23/ 7/81	78:56:42N 5: 4:24E	2565	100	34.983	ND	13.32+- 2.0%		10296

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7118	23/ 7/81	78:56:42N	5: 4:24E	2565	500	34.974	ND	7.75+- 3.2%	10297
7119	23/ 7/81	79: 0:18N	7:30: 0E	1260	3	34.765	ND	14.70+- 1.8%	10298
7120	23/ 7/81	79: 0: 0N	9:35: 0E	232	3	33.629	ND	14.37+- 1.8%	10299
7120	23/ 7/81	79: 0: 0N	9:35: 0E	232	55	34.612	ND	14.19+- 1.8%	10300
7120	23/ 7/81	79: 0: 0N	9:35: 0E	232	100	34.837	ND	14.04+- 1.8%	10301
7121	24/ 7/81	79:30:36N	9:34:24E	123	3	34.404	ND	15.41+- 1.7%	10303
7121	24/ 7/81	79:30:36N	9:34:24E	123	40	34.671	ND	17.62+- 1.5%	10304
7121	24/ 7/81	79:30:36N	9:34:24E	123	105	34.917	ND	13.79+- 1.9%	10305
7122	24/ 7/81	80: 0: 0N	10: 0: 0E	497	3	32.893	ND	16.49+- 1.6%	10306
7122	24/ 7/81	80: 0: 0N	10: 0: 0E	497	24	34.433	ND	16.56+- 1.6%	10307
7122	24/ 7/81	80: 0: 0N	10: 0: 0E	497	100	34.917	ND	12.72+- 2.0%	10308
7122	24/ 7/81	80: 0: 0N	10: 0: 0E	497	475	34.934	ND	8.40+- 3.0%	10309
7123	24/ 7/81	80: 0:24N	7:30: 0E	780	3	33.304	ND	15.80+- 1.6%	10310
7124	24/ 7/81	79:30: 0N	7:30: 0E	885	3	33.126	ND	15.47+- 1.7%	10311
7124	24/ 7/81	79:30: 0N	7:30: 0E	885	24	34.893	ND	16.96+- 1.5%	10312
7124	24/ 7/81	79:30: 0N	7:30: 0E	885	100	35.015	ND	15.31+- 1.7%	10313
7124	24/ 7/81	79:30: 0N	7:30: 0E	885	500	34.962	ND	10.31+- 2.4%	10314
7125	24/ 7/81	78:30: 0N	7:30: 6E	2265	3	34.472	ND	17.64+- 1.5%	10315
7125	24/ 7/81	78:30: 0N	7:30: 6E	2265	100	34.981	ND	13.32+- 1.9%	10316
7125	24/ 7/81	78:30: 0N	7:30: 6E	2265	500	34.921	ND	9.54+- 2.6%	10317
7126	24/ 7/81	77:30: 0N	5: 0: 0E	2650	3	34.800	ND	12.83+- 2.0%	10318
7127	25/ 7/81	77: 0: 0N	4:59:18E	2445	3	34.895	ND	15.22+- 1.7%	10319
7128	25/ 7/81	76:29:30N	4:59:48E	2445	3	34.959	ND	10.22+- 2.4%	10320
7129	25/ 7/81	76: 0: 0N	5: 0: 0E	2640	3	34.853	ND	6.45+- 3.8%	10321
7129	25/ 7/81	76: 0: 0N	5: 0: 0E	2640	100	34.911	ND	7.77+- 3.2%	10322
7129	25/ 7/81	76: 0: 0N	5: 0: 0E	2640	500	34.880	ND	2.31+-10.4%	10323
7130	25/ 7/81	75:30: 0N	5: 1:54E	2695	3	35.013	ND	11.70+- 2.2%	10324
7131	25/ 7/81	75: 0: 6N	4:59:30E	3140	3	34.958	ND	9.08+- 2.8%	10325
7131	25/ 7/81	75: 0: 6N	4:59:30E	3140	80	34.924	ND	6.36+- 3.9%	10326
7131	25/ 7/81	75: 0: 6N	4:59:30E	3140	290	34.881	ND	3.96+- 6.1%	10327

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7131	25/ 7/81	75: 0: 6N	3140	500	34.888	ND	2.10+-11.5%		10328
7132	25/ 7/81	74:30: 0N	3140	3	34.657	ND	5.08+- 4.8%		10329
7133	25/ 7/81	74: 0: 6N	2510	3	34.612	ND	6.42+- 3.8%		10330
7133	25/ 7/81	74: 0: 6N	2510	30	34.732	ND	6.54+- 3.8%		10331
7133	25/ 7/81	74: 0: 6N	2510	100	34.797	ND	5.69+- 4.4%		10332
7133	25/ 7/81	74: 0: 6N	2510	500	34.885	ND	4.96+- 4.9%		10333
7134	25/ 7/81	73:30: 0N	2820	3	34.891	ND	8.37+- 2.9%		10334
7135	26/ 7/81	73: 0: 0N	3015	3	34.914	ND	9.53+- 2.6%		10335
7135	26/ 7/81	73: 0: 0N	3015	25	34.897	ND	8.09+- 5.5%		10342
7135	26/ 7/81	73: 0: 0N	3015	100	34.766	ND	5.64+- 4.7%		10336
7135	26/ 7/81	73: 0: 0N	3015	500	34.890	ND	2.69+- 8.7%		10337
7135	26/ 7/81	73: 0: 0N	3015	750	34.911	ND	3.52+- 7.7%		10338
7135	26/ 7/81	73: 0: 0N	3015	2000	34.926	ND	1.17+-20.2%		10339
7135	26/ 7/81	73: 0: 0N	3015	2400	34.910	ND	ND		10340
7135	26/ 7/81	73: 0: 0N	3015	2970	34.903	ND	2.09+-12.3%		10341
7136	26/ 7/81	73: 0: 0N	2300	3	34.792	ND	7.83+- 3.2%		10343
7137	26/ 7/81	73: 0: 0N	2825	3	34.033	ND	7.19+- 3.4%		10344
7137	26/ 7/81	73: 0: 0N	2825	24	34.835	ND	4.08+- 6.0%		10345
7137	26/ 7/81	73: 0: 0N	2825	100	34.880	ND	3.78+- 7.3%		10346
7137	26/ 7/81	73: 0: 0N	2825	500	34.332	ND	4.08+- 6.5%		10347
7138	26/ 7/81	73: 0: 0N	2900	3	32.341	ND	7.61+- 3.3%		10349
7138	26/ 7/81	73: 0: 0N	2900	45	34.578	ND	7.08+- 3.5%		10350
7138	26/ 7/81	73: 0: 0N	2900	100	34.842	ND	6.28+- 4.0%		10351
7138	26/ 7/81	73: 0: 0N	2900	500	34.875	ND	2.04+-11.8%		10352
7139	27/ 7/81	72:59:48N	2660	3	31.042	ND	7.46+- 3.3%		10353
7139	27/ 7/81	72:59:48N	2660	35	33.956	ND	10.05+- 2.6%		10354
7139	27/ 7/81	72:59:48N	2660	100	34.870	ND	7.97+- 3.3%		10355
7139	27/ 7/81	72:59:48N	2660	500	34.895	ND	3.78+- 6.7%		10356
7140	27/ 7/81	71:58:54N	2755	3	31.516	ND	8.36+- 3.0%		10357
7140	27/ 7/81	71:58:54N	2755	35	34.133	ND	9.94+- 2.6%		10358

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7140	27/ 7/81	71:58:54N	2755	140	34.839	ND	8.24+- 3.5%		10359
7140	27/ 7/81	71:58:54N	2755	500	34.885	ND	2.73+- 9.4%		10360
7141	27/ 7/81	71: 0: 6N	2370	3	33.386	ND	6.84+- 3.4%		10361
7141	27/ 7/81	71: 0: 6N	2370	100	34.745	ND	8.40+- 2.9%		10362
7141	27/ 7/81	71: 0: 6N	2370	500	34.880	ND	4.13+- 5.8%		10363
7142	28/ 7/81	70: 0: 0N	2080	3	34.897	ND	6.93+- 3.5%		10364
7144	28/ 7/81	70: 0: 0N	2245	3	34.927	ND	7.57+- 3.2%		10365
7144	28/ 7/81	70: 0: 0N	2245	35	35.053	ND	9.65+- 2.6%		10366
7144	28/ 7/81	70: 0: 0N	2245	310	34.871	ND	6.21+- 5.2%		10367
7144	28/ 7/81	70: 0: 0N	2245	500	34.886	ND	4.17+- 6.3%		10368
7145	28/ 7/81	70: 0: 0N	3000	3	35.100	ND	7.81+- 3.2%		10369
7146	28/ 7/81	70: 0: 6N	3290	3	35.104	ND	17.11+- 1.5%		10370
7146	28/ 7/81	70: 0: 6N	3290	50	35.107	ND	11.23+- 2.4%		10371
7146	28/ 7/81	70: 0: 6N	3290	100	35.083	ND	10.92+- 2.1%		10372
7146	28/ 7/81	70: 0: 6N	3290	500	35.035	ND	9.99+- 3.5%		10373
7146	28/ 7/81	70: 0: 6N	3290	850	34.882	ND	4.38+- 5.5%		10374
7146	28/ 7/81	70: 0: 6N	3290	1750	34.923	ND	0.59+-39.9%		10375
7146	28/ 7/81	70: 0: 6N	3290	3250	34.908	ND	1.11+-23.1%		10376
7147	28/ 7/81	70: 0:18N	3285	3	35.115	ND	10.75+- 2.3%		10377
7148	29/ 7/81	70: 0: 0N	3270	3	34.956	ND	29.18+- 0.9%		10378
7148	29/ 7/81	70: 0: 0N	3270	30	35.168	ND	19.99+- 1.3%		10379
7148	29/ 7/81	70: 0: 0N	3270	100	35.161	ND	13.72+- 1.8%		10380
7148	29/ 7/81	70: 0: 0N	3270	500	35.057	ND	10.52+- 2.4%		10381
7149	29/ 7/81	69:29:48N	3265	3	35.050	ND	21.56+- 1.2%		10382
7150	29/ 7/81	69: 0: 0N	3270	3	35.098	ND	18.60+- 1.4%		10383
7150	29/ 7/81	69: 0: 0N	3270	40	35.120	ND	7.55+- 3.3%		10384
7150	29/ 7/81	69: 0: 0N	3270	100	35.128	ND	7.75+- 3.2%		10385
7150	29/ 7/81	69: 0: 0N	3270	500	35.024	ND	8.71+- 2.9%		10386
7151	29/ 7/81	68:30: 0N	2400	3	35.147	ND	9.16+- 2.7%		10387
7152	29/ 7/81	68: 0: 0N	1370	3	35.091	ND	13.60+- 1.9%		10388

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7152	29/ 7/81	68: 0: 0N	4:59:42E 1370	30	35.186	ND	7.56+- 3.3%		10389
7152	29/ 7/81	68: 0: 0N	4:59:42E 1370	100	35.191	ND	5.13+- 4.8%		10390
7152	29/ 7/81	68: 0: 0N	4:59:42E 1370	500	34.925	ND	4.60+- 5.3%		10391
7153	29/ 7/81	67:29:48N	4:59:24E 1410	3	35.159	ND	9.00+- 2.8%		10392
7154	29/ 7/81	66:59:42N	5: 0:18E 1365	3	34.698	ND	30.57+- 0.9%		10393
7154	29/ 7/81	66:59:42N	5: 0:18E 1365	35	35.304	ND	5.61+- 4.5%		10394
7154	29/ 7/81	66:59:42N	5: 0:18E 1365	300	35.177	ND	8.21+- 3.1%		10395
7154	29/ 7/81	66:59:42N	5: 0:18E 1365	1290	34.930	ND	0.95+-25.7%		10396
7155	30/ 7/81	67: 0:54N	3:29:48E 1350	3	34.755	ND	28.00+- 1.0%		10397
7156	30/ 7/81	67: 0: 0N	2: 0: 0E 1525	3	35.078	ND	15.40+- 1.7%		10398
7156	30/ 7/81	67: 0: 0N	2: 0: 0E 1525	70	35.251	ND	4.13+- 5.9%		10399
7156	30/ 7/81	67: 0: 0N	2: 0: 0E 1525	500	34.928	ND	8.64+- 2.9%		10400
7157	30/ 7/81	67: 0: 0N	0: 0:24W 3630	3	35.128	ND	6.33+- 3.9%		10401
7157	30/ 7/81	67: 0: 0N	0: 0:24W 3630	35	35.151	ND	6.68+- 3.8%		10402
7157	30/ 7/81	67: 0: 0N	0: 0:24W 3630	100	35.099	ND	6.41+- 4.0%		10403
7157	30/ 7/81	67: 0: 0N	0: 0:24W 3630	500	34.915	ND	5.88+- 4.4%		10404
7157	30/ 7/81	67: 0: 0N	0: 0:24W 3630	750	34.912	ND	4.02+- 6.1%		10405
7157	30/ 7/81	67: 0: 0N	0: 0:24W 3630	1500	34.919	ND	1.33+-19.0%		10406
7157	30/ 7/81	67: 0: 0N	0: 0:24W 3630	3590	34.915	ND	1.23+-19.9%		10407
7158	30/ 7/81	67: 0:18N	2:30: 0W 3755	3	34.999	ND	6.60+- 3.7%		10408
7159	31/ 7/81	67: 0: 0N	5: 0: 0W 3510	3	35.021	ND	6.07+- 4.1%		10409
7160	31/ 7/81	67: 0: 0N	7:27:24W 2180	3	34.804	ND	5.05+- 6.7%		10410
7160	31/ 7/81	67: 0: 0N	7:27:24W 2180	100	34.864	ND	5.78+- 7.2%		10411
7160	31/ 7/81	67: 0: 0N	7:27:24W 2180	350	34.908	ND	3.20+-10.8%		10412
7160	31/ 7/81	67: 0: 0N	7:27:24W 2180	500	34.915	ND	1.78+-20.0%		10413
7160	31/ 7/81	67: 0: 0N	7:27:24W 2180	750	34.916	ND	1.81+-18.6%		10414
7160	31/ 7/81	67: 0: 0N	7:27:24W 2180	1500	34.915	ND	ND		10415
7160	31/ 7/81	67: 0: 0N	7:27:24W 2180	2006	34.919	ND	ND		10416
7162	31/ 7/81	65: 0: 0N	7:30:12W 2100	3	34.840	ND	4.51+- 5.2%		10418
7163	1/ 8/81	64: 0: 0N	7: 0: 0W 2440	3	35.066	ND	4.47+- 7.6%		10419

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7163	1/ 8/81	64: 0: 0N	2440	75	35.162	ND	3.44+-10.3%		10420
7163	1/ 8/81	64: 0: 0N	2440	250	34.937	ND	6.53+- 6.0%		10421
7163	1/ 8/81	64: 0: 0N	2440	500	34.890	ND	3.21+-11.7%		10422
7163	1/ 8/81	64: 0: 0N	2440	750	34.929	ND	0.80+-42.2%		10423
7163	1/ 8/81	64: 0: 0N	2440	1500	34.913	ND	ND		10424
7163	1/ 8/81	64: 0: 0N	2440	2400	34.917	ND	0.52+-45.9%		10425
7164	1/ 8/81	63:59: 0N	3400	3	34.972	ND	4.76+- 5.1%		10426
7165	1/ 8/81	64: 0:30N	2910	3	35.200	ND	4.41+- 5.5%		10427
7166	1/ 8/81	64: 0: 0N	2440	3	35.157	ND	5.38+- 6.3%		10428
7166	1/ 8/81	64: 0: 0N	2440	100	35.266	ND	4.78+- 7.1%		10429
7166	1/ 8/81	64: 0: 0N	2440	250	35.188	ND	7.35+- 3.3%		10430
7166	1/ 8/81	64: 0: 0N	2440	500	34.910	ND	4.80+- 4.9%		10431
7166	1/ 8/81	64: 0: 0N	2440	750	34.903	ND	2.68+- 8.6%		10432
7166	1/ 8/81	64: 0: 0N	2440	1500	34.910	ND	1.78+-21.1%		10433
7166	1/ 8/81	64: 0: 0N	2440	2384	34.913	ND	0.72+-46.2%		10434
7167	2/ 8/81	63: 0: 0N	1450	3	35.268	ND	5.85+- 5.8%		10435
7167	2/ 8/81	63: 0: 0N	1450	100	35.300	ND	4.33+- 7.8%		10436
7167	2/ 8/81	63: 0: 0N	1450	500	34.934	ND	5.08+- 6.6%		10437
7168	2/ 8/81	62: 0: 0N	418	3	35.194	ND	5.69+- 6.0%		10438
7168	2/ 8/81	62: 0: 0N	418	100	35.241	ND	3.06+-11.0%		10439
7168	2/ 8/81	62: 0: 0N	418	250	35.078	ND	4.22+- 8.0%		10440
7168	2/ 8/81	62: 0: 0N	418	395	35.005	ND	4.13+- 8.2%		10441
7169	2/ 8/81	61:30: 0N	194	3	35.310	ND	4.86+- 7.0%		10442
7170	2/ 8/81	61: 0: 0N	149	3	35.328	ND	6.27+- 5.4%		10443
7170	2/ 8/81	61: 0: 0N	149	50	35.334	ND	7.44+- 4.6%		10444
7170	2/ 8/81	61: 0: 0N	149	135	35.329	ND	12.21+- 2.8%		10445
7171	2/ 8/81	61: 0:12N	131	3	35.341	ND	5.26+- 6.5%		10446
7171	2/ 8/81	61: 0:12N	131	115	35.318	ND	11.69+- 3.0%		10447
7172	2/ 8/81	61: 0:12N	267	3	35.307	ND	3.95+- 8.6%		10448
7172	2/ 8/81	61: 0:12N	267	50	35.343	ND	2.72+-12.4%		10449

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7172	2/ 8/81	61: 0:12N	267	100	35.396	ND	4.94+- 6.9%		10450
7172	2/ 8/81	61: 0:12N	267	143	35.333	ND	11.66+- 3.0%		10451
7173	3/ 8/81	60:30: 0N	125	3	35.282	ND	18.38+- 1.4%		10452
7174	3/ 8/81	60: 0: 0N	93	3	35.251	ND	18.58+- 1.4%		10453
7174	3/ 8/81	60: 0: 0N	93	15	35.252	ND	17.30+- 1.5%		10454
7174	3/ 8/81	60: 0: 0N	93	75	35.262	ND	16.06+- 1.6%		10455
7175	3/ 8/81	59:30: 0N	107	3	35.137	ND	60.75+- 0.5%		10456
7175	3/ 8/81	59:30: 0N	107	80	35.126	ND	60.74+- 0.5%		10457
7176	3/ 8/81	59:15: 0N	141	3	35.179	ND	21.85+- 1.2%		10458
7176	3/ 8/81	59:15: 0N	141	125	35.270	ND	21.23+- 1.2%		10459
7177	3/ 8/81	59: 0: 0N	135	3	35.010	ND	60.28+- 0.5%		10460
7177	3/ 8/81	59: 0: 0N	135	120	35.164	ND	43.80+- 0.6%		10461
7178	3/ 8/81	59:30: 0N	135	3	35.031	ND	60.48+- 0.5%		10462
7179	3/ 8/81	58: 0: 6N	131	3	34.974	ND	70.40+- 0.9%		10463
7179	3/ 8/81	58: 0: 6N	131	117	35.193	ND	38.64+- 0.7%		10464
7180	4/ 8/81	57:29:42N	0: 0:12E	3	34.999	4.08+-29.7%	76.09+- 1.0%	18.6	10465
7181	4/ 8/81	57: 0:12N	0: 0: 0E	87	34.818	3.57+-13.0%	89.66+- 0.4%	25.1	10466
7181	4/ 8/81	57: 0:12N	0: 0: 0E	87	34.830	ND	99.71+- 0.7%		10467
7182	4/ 8/81	56:30: 0N	0: 0:18W	79	34.712	2.80+-43.2%	111.66+- 0.8%	39.9	10468
7183	4/ 8/81	56: 0:12N	0: 0:12W	90	34.620	2.04+-59.0%	141.60+- 0.6%	69.4	10469
7184	4/ 8/81	55:29:42N	0: 0:18W	80	34.625	2.23+-54.0%	145.38+- 0.6%	65.2	10470
7185	4/ 8/81	55: 0: 0N	0: 0:30W	76	34.613	8.00+- 5.9%	173.72+- 0.3%	21.7	10471
7186	4/ 8/81	54:30: 0N	0: 0: 6W	70	34.426	5.27+- 8.9%	177.71+- 0.3%	33.7	10472
7187	4/ 8/81	58: 0: 0N	0: 0:42W	29	34.162	7.74+- 6.1%	196.65+- 0.2%	25.4	10473
7213	22/ 7/81	77:30: 0N	11:59:30E	160	34.285	ND	17.35+- 1.5%		10281
7213	22/ 7/81	77:30: 0N	11:59:30E	160	34.687	ND	16.34+- 1.6%		10282
7213	22/ 7/81	77:30: 0N	11:59:30E	160	34.866	ND	15.27+- 1.7%		10283
7237	26/ 7/81	73: 0: 6N	1:30: 0W	3150	33.396	ND	7.49+- 3.3%		10348
7384	18/ 7/81	75:59:42N	22:30:42E	73	33.973	ND	14.13+- 1.8%		10201

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7384	18/ 7/81	75:59:42N 22:30:42E	73	25	34.084	ND	13.71+- 3.7%		10202
7384	18/ 7/81	75:59:42N 22:30:42E	73	58	34.124	ND	14.34+- 3.6%		10203
Site 38 Cirolana									
8001	26/ 8/81	54: 0: 0N 0:19: 0E	63	3	NA	ND	176.75+- 1.0%		10474
8002	26/ 8/81	54:30: 0N 0:18:48E	73	3	NA	ND	158.52+- 1.1%		10475
8005	27/ 8/81	54:59: 6N 1: 3:30W	86	3	NA	ND	132.37+- 1.3%		10476
8012	28/ 8/81	56: 0:36N 0: 0: 6W	82	3	NA	ND	117.49+- 1.4%		10477
8013	28/ 8/81	56: 0: 0N 1:30: 0W		3	NA	ND	112.40+- 1.5%		10478
8017	28/ 8/81	56:29:24N 0:59:18W	73	3	NA	ND	97.93+- 1.6%		10479
8022	29/ 9/81	56:59:42N 1: 0:42W	65	3	NA	ND	116.61+- 1.4%		10480
8022	29/ 9/81	56:59:42N 1: 0:42W	65	65	NA	ND	106.53+- 1.5%		10481
8024	29/ 8/81	56:50:36N 0:21:36E	83	3	NA	ND	84.58+- 1.8%		10482
8027	29/ 8/81	57: 0: 0N 0:59:30E	90	3	NA	ND	105.74+- 1.5%		10483
8027	29/ 8/81	57: 0: 0N 0:59:30E	90	90	NA	2.44+-48.1%	126.26+- 0.7%	51.7	10484
8032	30/ 8/81	58: 0:30N 1:30:36E	100	3	NA	ND	79.02+- 0.8%		10485
8033	30/ 8/81	57:59:36N 0: 0:42E	127	3	NA	1.95+-58.5%	75.36+- 1.0%	38.6	10486
8040	30/ 8/81	57:59:54N 1:59:54W	77	3	NA	3.09+-39.3%	164.41+- 0.6%	53.2	10487
8043	31/ 8/81	58:17: 6N 2:49:18W	51	3	NA	7.75+-15.4%	162.75+- 0.6%	21.0	10488
8047	31/ 8/81	58:29:48N 2: 0:24W	103	3	NA	5.02+-23.5%	109.16+- 0.7%	21.8	10489
8048	31/ 8/81	59: 0: 0N 1: 0: 0W	65	3	NA	ND	22.94+- 2.2%		10490
8049	1/ 9/81	59:22:24N 0:35:36W	137	3	NA	ND	16.69+- 3.0%		10491
8055	1/ 9/81	59:30: 0N 2: 0: 0W	53	3	NA	ND	77.72+- 0.8%		10492
8056	2/ 9/81	60: 0:30N 2:59:48W	100	3	NA	2.42+-23.9%	158.07+- 0.3%	65.3	10493
8065	2/ 9/81	61: 0: 0N 1: 0: 0W	128	3	NA	ND	35.28+- 0.8%		10494
8068	3/ 9/81	60:25:48N 0:18:18W	101	3	NA	ND	6.09+- 3.8%		10495
8073	3/ 9/81	60: 0: 0N 0: 0: 0E	145	3	35.169	ND	11.55+- 2.1%		10496
8074	4/ 9/81	60:30: 6N 1: 1: 0E	140	3	34.996	ND	17.06+- 1.4%		10497
8081	4/ 9/81	61:30: 0N 1: 0: 0E	185	3	35.262	ND	6.03+- 3.8%		10498

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	depth (m)	concentration (Bq m^{-3})		
8082	5/ 9/81	61: 0:24N	250	3	35.334	ND	3.32+-	6.8%	10499		
8088	6/ 9/81	60: 0:12N	280	3	32.347	6.45+-	8.9%	94.00+-	0.4%	14.6	10500
8089	6/ 9/81	60: 0: 0N	280	3	34.550	ND	22.83+-	1.1%	10501		
8096	6/ 9/81	59: 0: 0N	122	3	34.841	ND	68.38+-	0.4%	10502		
8097	7/ 9/81	59: 0: 6N	139	3	34.064	ND	42.70+-	0.6%	10503		
8098	7/ 9/81	59: 0:36N	242	3	31.586	ND	95.79+-	0.3%	10504		
8102	8/ 9/81	58: 0: 6N	300	3	30.380	ND	85.25+-	0.7%	10505		
8103	8/ 9/81	58: 6: 6N	171	3	NA	ND	73.87+-	0.4%	10506		
8110	8/ 9/81	58: 0: 0N	98	3	NA	ND	47.74+-	0.6%	10507		
8111	9/ 9/81	58: 0: 0N	62	3	NA	ND	60.12+-	1.0%	10508		
8113	9/ 9/81	57:51:30N	69	3	NA	ND	58.57+-	1.0%	10509		
8118	9/ 9/81	56:59:54N	68	3	NA	ND	65.85+-	0.9%	10510		
8118	9/ 9/81	56:59:54N	68	68	NA	5.53+-	20.9%	104.64+-	0.8%	18.9	10511
8119	10/ 9/81	57: 0:18N	55	3	NA	ND	70.07+-	0.8%	10512		
8119	10/ 9/81	57: 0:18N	55	55	NA	6.95+-	16.5%	88.77+-	0.9%	12.8	10513
8126	10/ 9/81	57: 0: 0N	34	3	33.340	NA	NA	NA	10514		
8126	10/ 9/81	57: 0: 0N	34	34	NA	3.02+-	31.9%	124.84+-	0.7%	41.4	10515
8134	11/ 9/81	55: 0: 0N	30	3	NA	ND	51.12+-	0.6%	10516		
8137	12/ 9/81	55: 3:54N	38	3	NA	ND	54.70+-	2.6%	10517		
8143	12/ 9/81	54:29:30N	38	3	NA	ND	35.14+-	0.7%	10518		
8144	13/ 9/81	54:59:42N	38	3	NA	ND	73.85+-	2.0%	10519		
8149	14/ 9/81	55:54:36N	47	3	NA	ND	124.62+-	1.3%	10520		
8158	14/ 9/81	56: 0: 0N	46	3	34.255	ND	125.85+-	1.3%	10521		
8159	15/ 9/81	56: 0: 0N	56	3	34.150	ND	110.45+-	1.5%	10522		
8161	15/ 9/81	55:42:42N	50	3	34.551	ND	159.73+-	1.1%	10523		
8167	15/ 9/81	55:59:36N	85	3	34.776	ND	143.08+-	1.2%	10524		
8168	16/ 9/81	55: 0: 0N	24	3	34.612	ND	172.49+-	1.0%	10525		
8177	16/ 9/81	54:59:48N	57	3	34.588	ND	155.37+-	1.1%	10526		
8178	17/ 9/81	54: 0: 0N	84	3	34.557	ND	154.26+-	1.1%	10527		
8183	17/ 9/81	53:51:24N	37	3	34.391	2.20+-	25.6%	166.08+-	0.3%	75.5	10528

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
8185	18/ 9/81	54: 0:12N 4: 0:18E	40	3	34.368	1.30+-43.1%	161.09+- 0.3%	123.9	10529
8186	18/ 9/81	52:59:18N 3: 0:24E		3	34.112	6.61+- 8.5%	144.28+- 0.3%	21.8	10530
8187	18/ 9/81	52:46:30N 3:25:12E	32	3	34.533	ND	24.28+- 1.0%		10531
8190	18/ 9/81	52:30: 0N 4: 0: 0E	14	3	34.420	ND	17.06+- 1.4%		10532
8191	19/ 9/81	52: 0: 0N 2:59:54E	17	3	34.255	ND	19.77+- 1.3%		10533
8192	19/ 9/81	52:43: 6N 2:39:12E		3	34.082	2.69+-21.0%	90.09+- 0.4%	33.5	10534
Site 40 Corella/Dawn Sky									
4001	7/ 3/81	52:30: 0N 1:52:42E	22	3	33.587	9.16+-10.6%	176.94+- 0.5%	19.3	10547
4002	7/ 3/81	52: 0: 0N 1:55: 0E	23	3	34.350	ND	75.79+- 0.8%		10548
4003	7/ 3/81	51:30: 0N 1:46:39E	47	3	34.907	ND	17.99+- 2.8%		10549
4004	8/ 3/81	51: 0: 0N 1:19:24E	28	3	34.977	NA	NA		10550
4005	8/ 3/81	50:50: 0N 1: 0: 0E	35	3	34.982	ND	12.39+- 2.8%		10551
4006	8/ 3/81	50:50:20N 0: 0: 0E	60	3	34.926	ND	13.91+- 2.5%		10552
4007	8/ 3/81	50:26:18N 1: 0: 0W	35	3	34.858	ND	11.78+- 3.0%		10553
4008	9/ 3/81	50:19:48N 2: 0: 0W	50	3	35.012	ND	18.56+- 1.9%		10554
4009	9/ 3/81	50:12:48N 3: 0: 0W	63	3	34.879	ND	7.09+- 4.8%		10555
4010	9/ 3/81	50: 3:30N 4: 6: 0W	68	3	35.307	ND	30.96+- 1.2%		10556
4011	9/ 3/81	49:57:30N 5: 0: 0W	81	3	35.243	ND	6.69+- 5.1%		10557
4012	9/ 3/81	50: 0: 0N 5:50: 0W	64	3	35.258	ND	7.17+- 4.8%		10558
4013	10/ 3/81	50:30: 0N 6: 0: 0W	82	3	35.089	ND	10.19+- 3.4%		10559
4014	10/ 3/81	51: 0: 0N 6: 0: 0W	89	3	35.020	ND	11.81+- 2.9%		10560
4015	10/ 3/81	51:30: 0N 6: 0: 0W	113	3	34.848	ND	54.30+- 0.7%		10561
4016	10/ 3/81	51:59:51N 5:14:36W	58	3	33.971	13.10+- 5.6%	285.59+- 0.2%	21.8	10562
4016	10/ 3/81	51:59:51N 5:14:36W	58	53	NA	13.86+- 5.2%	279.79+- 0.2%	20.2	10563
4016	10/ 3/81	51:59:51N 5:14:36W	58	55	33.992	NA	NA		10564
4017	10/ 3/81	52:17:18N 4:17:30W	23	3	33.498	31.63+- 2.8%	631.84+- 0.1%	20.0	10565
4017	10/ 3/81	52:17:18N 4:17:30W	23	16	NA	31.14+- 2.8%	628.29+- 0.1%	20.2	10566
4017	10/ 3/81	52:17:18N 4:17:30W	23	18	33.455	NA	NA		10567

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	depth (m)	concentration (Bq m^{-3})		
4019	10/ 3/81	52:29:54N	14	3	33.131	22.31+-	3.4%	385.97+-	0.2%	17.3	10568
4019	10/ 3/81	52:29:54N	14	9	NA	19.83+-	3.7%	396.47+-	0.2%	20.0	10569
4019	10/ 3/81	52:29:54N	14	11	33.133	NA		NA			10570
4020	10/ 3/81	52:30:27N	74	3	34.074	39.56+-	2.5%	783.13+-	0.1%	19.8	10571
4020	10/ 3/81	52:30:27N	74	69	NA	32.63+-	2.8%	685.13+-	0.1%	21.0	10572
4021	11/ 3/81	53: 0:30N	80	3	34.353	13.37+-	20.3%	457.33+-	0.5%	34.2	10574
4021	11/ 3/81	53: 0:30N	80	77	34.319	8.10+-	38.5%	436.30+-	0.6%	53.9	10575
4022	11/ 3/81	53:29:45N	70	3	34.137	32.56+-	9.6%	838.72+-	0.4%	25.8	10576
4022	11/ 3/81	53:29:45N	70	69	34.167	37.01+-	8.4%	850.80+-	0.4%	23.0	10577
4023	11/ 3/81	53:30:21N	38	3	33.427	99.03+-	3.7%	2009.78+-	0.2%	20.3	10578
4023	11/ 3/81	53:30:21N	38	35	33.925	57.51+-	5.7%	1356.92+-	0.3%	23.6	10579
4024	11/ 3/81	53:31:30N	26	3	32.806	148.31+-	2.7%	2997.72+-	0.1%	20.2	10580
4024	11/ 3/81	53:31:30N	26	23	32.874	173.90+-	2.5%	3211.19+-	0.1%	18.5	10581
4025	11/ 3/81	53:37: 0N	34	3	33.116	136.56+-	2.7%	2600.03+-	0.2%	19.0	10582
4025	11/ 3/81	53:37: 0N	34	31	33.192	153.61+-	2.7%	2926.39+-	0.2%	19.1	10583
4027	11/ 3/81	54: 0: 3N	17	3	31.586	280.64+-	1.9%	4872.76+-	0.1%	17.4	10584
4027	11/ 3/81	54: 0: 3N	17	14	31.569	290.85+-	1.9%	4953.84+-	0.1%	17.0	10585
4028	11/ 3/81	54:10:24N	31	3	33.535	121.65+-	2.9%	2081.22+-	0.2%	17.1	10586
4028	11/ 3/81	54:10:24N	31	28	33.723	87.00+-	4.0%	1677.99+-	0.2%	19.3	10587
4030	11/ 3/81	54: 0: 0N	39	3	33.753	73.30+-	4.4%	1470.26+-	0.2%	20.1	10588
4030	11/ 3/81	54: 0: 0N	39	36	34.060	49.76+-	6.2%	989.13+-	0.3%	19.9	10589
4031	12/ 3/81	54: 0: 0N	54	3	34.038	44.03+-	7.0%	973.79+-	0.3%	22.1	10590
4031	12/ 3/81	54: 0: 0N	54	51	34.056	47.53+-	6.5%	1016.45+-	0.3%	21.4	10591
4032	12/ 3/81	53:59:54N	51	3	33.529	49.66+-	6.2%	899.18+-	0.3%	18.1	10592
4032	12/ 3/81	53:59:54N	51	46	34.195	27.24+-	10.9%	633.51+-	0.4%	23.3	10593
4033	12/ 3/81	53:48:54N	72	3	33.988	40.22+-	7.8%	1042.94+-	0.3%	25.9	10594
4033	12/ 3/81	53:48:54N	72	69	34.193	30.41+-	10.2%	1022.05+-	0.3%	33.6	10595
4035	12/ 3/81	53:29:33N	61	3	34.046	27.27+-	11.3%	969.70+-	0.3%	35.6	10596
4035	12/ 3/81	53:29:33N	61	58	34.097	31.46+-	9.8%	919.49+-	0.3%	29.2	10597
4036	12/ 3/81	53:15: 0N	110	3	34.305	ND		528.31+-	0.4%		10598

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
4036	12/ 3/81	53:15: 0N	110	100	34.330	22.41+-11.5%	502.88+- 0.5%	22.4	10599
4038	12/ 3/81	52:42:33N	87	3	34.455	ND	279.85+- 0.7%		10600
4038	12/ 3/81	52:42:33N	87	85	34.464	ND	303.77+- 0.6%		10601
4040	12/ 3/81	52:26:48N	82	3	34.580	9.32+-10.7%	227.06+- 0.4%	24.4	10602
4040	12/ 3/81	52:26:48N	82	79	34.516	11.01+- 9.1%	242.62+- 0.4%	22.0	10603
4042	12/ 3/81	52:29:42N	60	3	34.432	3.70+-26.5%	182.30+- 0.5%	49.3	10604
4042	12/ 3/81	52:29:42N	60	57	34.432	9.40+-10.6%	197.52+- 0.5%	21.0	10605
4043	13/ 3/81	53: 0: 0N	20	3	34.010	23.56+-12.9%	808.35+- 0.4%	34.3	10606
4043	13/ 3/81	53: 0: 0N	20	17	33.991	33.74+- 8.8%	845.90+- 0.4%	25.1	10607
4044	13/ 3/81	53:45:54N	65	3	34.050	46.01+- 6.8%	990.30+- 0.3%	21.5	10608
4044	13/ 3/81	53:45:54N	65	62	34.052	44.79+- 7.0%	981.05+- 0.3%	21.9	10609
4046	13/ 3/81	54:15: 0N	44	3	34.074	27.27+-11.1%	709.73+- 0.4%	26.0	10610
4046	13/ 3/81	54:15: 0N	44	41	34.193	18.02+-16.7%	730.42+- 0.4%	40.5	10611
4048	13/ 3/81	54:13: 0N	72	3	34.042	34.27+- 9.1%	1059.85+- 0.3%	30.9	10612
4048	13/ 3/81	54:13: 0N	72	69	34.120	42.10+- 7.4%	1085.92+- 0.3%	25.8	10613
4050	13/ 3/81	54:34:39N	53	3	32.876	204.43+- 2.1%	3554.75+- 0.1%	17.4	10614
4050	13/ 3/81	54:34:39N	53	50	33.030	203.98+- 2.2%	3514.45+- 0.1%	17.2	10615
4052	13/ 3/81	54:45: 0N	19	3	29.593	388.60+- 1.7%	6323.83+- 0.1%	16.3	10616
4052	13/ 3/81	54:45: 0N	19	16	32.302	378.40+- 1.7%	6281.01+- 0.1%	16.6	10617
4053	14/ 3/81	54:30: 0N	46	3	32.302	409.37+- 1.6%	6156.69+- 0.1%	15.0	10618
4053	14/ 3/81	54:30: 0N	46	43	32.612	303.05+- 1.8%	4956.72+- 0.1%	16.4	10619
4054	14/ 3/81	54: 7:48N	31	3	34.104	51.53+- 6.0%	932.98+- 0.3%	18.1	10620
4054	14/ 3/81	54: 7:48N	31	28	34.128	48.42+- 6.4%	940.72+- 0.3%	19.4	10621
4056	15/ 3/81	54:15: 0N	17	3	31.822	255.87+- 2.0%	4446.81+- 0.1%	17.4	10622
4057	15/ 3/81	54:24:24N	16	3	32.115	1248.48+- 1.3%	17822.70+- 0.1%	14.3	10623
4058	15/ 3/81	54:13:24N	20	3	32.846	285.86+- 1.8%	4697.48+- 0.1%	16.4	10624
4059	15/ 3/81	54:25:48N	36	3	31.589	699.74+- 1.4%	10203.70+- 0.1%	14.6	10625
4060	15/ 3/81	54:24:18N	17	3	31.950	2775.37+- 1.2%	38601.10+- 0.1%	13.9	10626
4061	15/ 3/81	54:33: 0N	24	3	31.774	865.59+- 1.3%	12635.30+- 0.1%	14.6	10627
4062	15/ 3/81	54:30: 0N	140	3	33.977	75.96+- 4.3%	1280.68+- 0.3%	16.9	10628

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs (m)	^{137}Cs	Ratio	Sample no.	
4062	15/ 3/81	54:30: 0N	140	100	34.158	72.41+-	1408.35+-	0.3%	19.4	10629
4063	16/ 3/81	55: 0: 0N	60	3	33.625	77.92+-	1625.13+-	0.2%	20.9	10630
4063	16/ 3/81	55: 0: 0N	60	57	33.693	95.04+-	1887.79+-	0.2%	19.9	10631
4064	16/ 3/81	55: 0: 0N	140	3	33.682	93.89+-	1773.28+-	0.2%	18.9	10632
4064	16/ 3/81	55: 0: 0N	140	100	33.946	64.32+-	1414.79+-	0.3%	22.0	10633
4065	16/ 3/81	54:59:45N	140	3	33.861	70.46+-	1374.09+-	0.3%	19.5	10634
4065	16/ 3/81	54:59:45N	140	100	33.979	62.02+-	1306.84+-	0.3%	21.1	10635
4066	16/ 3/81	55:21:42N	112	3	33.781	NA	NA	NA		10636
4067	16/ 3/81	55:30: 0N	98	3	33.906	NA	NA	NA		10637
4068	16/ 3/81	56: 0: 0N	62	3	34.016	48.82+-	920.64+-	0.1%	18.9	10638
4069	16/ 3/81	56:30: 0N	88	3	34.415	14.10+-	309.69+-	0.3%	22.0	10639
4070	16/ 3/81	57: 0: 0N	180	3	34.455	16.67+-	327.23+-	0.3%	19.6	10640
4071	17/ 3/81	56:30: 0N	160	3	34.704	NA	NA	NA		10641
4072	17/ 3/81	58: 0: 0N	93	3	34.554	NA	NA	NA		10642
4073	17/ 3/81	58:30: 0N	93	3	34.477	NA	NA	NA		10643
4074	17/ 3/81	58:40: 3N	68	3	34.432	NA	NA	NA		10644
4074	17/ 3/81	58:40: 3N	68	65	34.580	NA	NA	NA		10646
4075	17/ 3/81	59: 2:30N	68	3	34.857	NA	NA	NA		10647
4075	17/ 3/81	59: 2:30N	68	65	34.888	NA	NA	NA		10649
4076	17/ 3/81	59:20:18N	134	3	34.903	NA	NA	NA		10650
4076	17/ 3/81	59:20:18N	134	98	NA	2.35+-	76.13+-	1.0%	32.4	10651
4076	17/ 3/81	59:20:18N	134	100	35.120	NA	NA	NA		10652
4077	17/ 3/81	59:25:12N	51	3	34.811	4.79+-	114.92+-	0.5%	24.0	10653
4078	17/ 3/81	59:18:39N	40	3	34.902	3.14+-	111.22+-	0.5%	35.4	10654
4079	18/ 3/81	58:59:36N	72	3	34.831	2.77+-	104.64+-	0.6%	37.8	10655
4080	18/ 3/81	58:30: 0N	70	3	34.751	4.80+-	129.03+-	0.5%	26.9	10656
4081	19/ 3/81	58: 0: 0N	72	3	34.783	2.12+-	119.39+-	0.5%	56.4	10657
4082	19/ 3/81	57:45:36N	71	3	34.488	5.17+-	153.54+-	0.4%	29.7	10658
4083	19/ 3/81	57:30: 0N	56	3	34.435	6.02+-	156.04+-	0.4%	25.9	10659
4084	19/ 3/81	57: 0: 0N	81	3	34.670	5.01+-	142.77+-	0.4%	28.5	10660

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
4085	19/ 3/81	56:30: 0N	46	3	34.258	3.90+-24.4%	186.74+- 0.5%	47.9	10661
4086	19/ 3/81	56: 0: 0N	56	3	34.669	11.72+- 8.1%	193.13+- 0.5%	16.5	10662
4087	19/ 3/81	55:30: 0N	93	3	34.634	11.20+- 8.5%	207.80+- 0.4%	18.5	10663
4088	19/ 3/81	55: 0: 0N	69	3	34.628	10.86+- 8.7%	196.77+- 0.4%	18.1	10664
4089	20/ 3/81	54:30: 0N	56	3	34.565	5.38+-17.3%	162.32+- 0.5%	30.1	10665
4090	20/ 3/81	54: 0: 0N	53	3	34.301	9.44+-10.0%	164.19+- 0.5%	17.4	10666
4091	20/ 3/81	53:30: 0N	20	3	34.560	8.16+-11.5%	156.62+- 0.5%	19.2	10667
4092	20/ 3/81	53: 0: 0N	21	3	33.746	6.46+-14.7%	150.77+- 0.6%	23.3	10668
Site 40 Corella/Dawn Sky									
5033	7/ 4/81	49:37: 0N	43	3	34.895	ND	25.90+- 1.9%		10535
5047	8/ 4/81	49:24:36N	67	3	34.927	ND	23.01+- 2.1%		10536
5052	9/ 4/81	49:52:18N	74	3	NA	ND	26.73+- 3.5%		10537
5053	8/ 4/81	49:52:36N	66	3	NA	ND	27.64+- 3.3%		10538
5056	9/ 4/81	49:22:30N	18	3	32.591	ND	18.55+- 2.6%		10539
5057	9/ 4/81	49:23:12N	14	3	32.059	ND	15.47+- 2.9%		10540
5058	9/ 4/81	49:38: 6N	27	3	33.152	ND	16.96+- 2.8%		10541
5096	12/ 4/81	49:53: 0N	28	3	33.000	ND	18.04+- 2.6%		10542
5097	12/ 4/81	49:56:48N	26	3	33.432	ND	24.64+- 2.8%		10543
5101	12/ 4/81	50: 7:48N	18	3	NA	ND	14.95+- 3.3%		10544
5108	13/ 4/81	50:57: 6N	18	3	NA	ND	20.58+- 2.3%		10545
5109	13/ 4/81	50:36:54N	30	3	NA	ND	15.51+- 2.7%		10546
Site 38 Cirolana									
3001	25/ 2/82	53:34:48N	22	3	NA	2.04+-46.2%	125.79+- 0.6%	61.7	10000
3002	25/ 2/82	53:20: 0N	25	3	NA	ND	132.71+- 0.5%		10001
3003	25/ 2/82	52:45: 0N	26	3	NA	2.97+-31.8%	153.28+- 0.6%	51.6	10002
3004	25/ 2/82	52:30:36N	28	3	NA	2.48+-38.1%	134.85+- 0.6%	54.5	10003

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Collection Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
3004	25/ 2/82	52:30:36N	28	25	NA	3.63+-26.9%	134.06+-	0.6%	10004
3005	25/ 2/82	51:59:42N	32	3	NA	ND	23.19+-	1.0%	10006
3006	25/ 2/82	51:29:42N	43	3	NA	ND	43.22+-	0.6%	10007
3007	26/ 2/82	51: 0: 0N	30	3	NA	ND	30.18+-	0.8%	10008
3008	26/ 2/82	51: 0: 0N	30	3	NA	ND	39.25+-	0.7%	10009
3009	26/ 2/82	51:12: 6N	25	3	NA	ND	42.31+-	0.6%	10010
3010	26/ 2/82	51:30: 0N	26	3	NA	ND	18.95+-	1.2%	10011
3011	26/ 2/82	52: 0: 0N	26	3	NA	ND	16.07+-	1.4%	10012
3012	26/ 2/82	52: 0: 0N	39	3	NA	ND	23.58+-	1.0%	10013
3013	26/ 2/82	52:30:18N	39	3	NA	ND	14.94+-	1.5%	10014
3013	26/ 2/82	52:30:18N	39	33	NA	ND	15.75+-	1.5%	10015
3014	26/ 2/82	52:29:45N	29	3	NA	ND	20.22+-	1.2%	10017
3014	26/ 2/82	52:29:45N	29	24	NA	ND	19.88+-	1.3%	10018
3015	27/ 2/82	53: 0: 0N	24	3	NA	ND	20.59+-	1.2%	10020
3016	27/ 2/82	53: 0: 0N	34	3	NA	ND	15.90+-	1.5%	10021
3017	27/ 2/82	53:30: 0N	31	3	NA	ND	97.52+-	0.7%	10022
3018	27/ 2/82	53:30: 0N	29	3	NA	ND	21.15+-	1.6%	10023
3019	27/ 2/82	53:30: 0N	27	3	NA	ND	24.87+-	1.4%	10024
3020	27/ 2/82	53:40: 0N	23	3	NA	ND	23.47+-	1.5%	10025
3021	27/ 2/82	53:50: 0N	17	3	NA	ND	25.76+-	1.3%	10026
3022	27/ 2/82	54: 0:42N	30	3	NA	ND	32.00+-	1.1%	10027
3022	27/ 2/82	54: 0:42N	30	3	NA	ND	32.00+-	1.1%	10028
3023	28/ 2/82	54: 0: 0N	30	3	NA	ND	35.80+-	1.0%	10029
3023	28/ 2/82	54: 0: 0N	30	26	NA	ND	36.98+-	1.0%	10030
3024	28/ 2/82	54: 0: 0N	31	3	NA	ND	25.83+-	1.3%	10032
3024	28/ 2/82	54: 0: 0N	31	26	NA	ND	40.99+-	1.0%	10033
3025	28/ 2/82	54: 0: 0N	41	3	NA	ND	26.96+-	1.3%	10035
3026	28/ 2/82	53:59:51N	46	3	NA	ND	67.22+-	0.4%	10036
3026	28/ 2/82	53:59:51N	46	40	NA	ND	67.20+-	0.4%	10037
3027	28/ 2/82	54: 0: 0N	42	3	NA	6.42+-14.9%	145.41+-	0.6%	10039

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	depth (m)	concentration (Bq m^{-3})		
3028	28/ 2/82	54: 0:12N	71	3	NA	4.67+-19.6%	162.68+- 0.5%	34.8	10040		
3028	28/ 2/82	54: 0:12N	71	65	NA	2.79+-33.8%	161.92+- 0.5%	58.1	10041		
3029	28/ 2/82	54: 0: 0N	44	3	NA	5.74+-16.6%	139.63+- 0.6%	24.3	10043		
3030	1/ 3/82	54: 0: 9N	30	3	NA	ND	118.26+- 0.6%		10044		
3030	1/ 3/82	54: 0: 9N	30	24	NA	ND	115.09+- 0.6%		10045		
3031	1/ 3/82	54:30: 0N	60	3	NA	ND	116.57+- 0.6%		10047		
3032	1/ 3/82	54:59:57N	78	3	NA	ND	113.57+- 0.6%		10048		
3032	1/ 3/82	54:59:57N	78	44	NA	2.02+-45.3%	118.82+- 0.7%	58.9	10049		
3032	1/ 3/82	54:59:57N	78	71	NA	ND	119.37+- 0.6%		10051		
3033	1/ 3/82	55: 0: 0N	73	3	NA	2.53+-37.2%	125.73+- 0.6%	49.8	10053		
3034	1/ 3/82	54:59:48N	66	3	NA	ND	117.52+- 0.6%		10054		
3034	1/ 3/82	54:59:48N	66	61	NA	ND	120.86+- 0.6%		10055		
3035	1/ 3/82	55: 0: 0N	25	3	NA	6.53+-14.8%	140.24+- 0.6%	21.5	10057		
3036	2/ 3/82	55:30: 0N	50	3	NA	11.64+- 8.3%	107.30+- 0.7%	9.2	10058		
3037	2/ 3/82	56: 0: 0N	73	3	NA	6.99+-13.9%	113.27+- 0.7%	16.2	10059		
3037	2/ 3/82	56: 0: 0N	73	68	NA	5.23+-17.9%	115.01+- 0.7%	22.0	10060		
3038	2/ 3/82	56: 0: 0N	85	3	NA	9.09+-10.5%	108.51+- 0.7%	11.9	10062		
3039	2/ 3/82	55:59:54N	76	3	NA	2.92+-15.6%	90.27+- 0.4%	31.0	10063		
3039	2/ 3/82	55:59:54N	76	70	NA	2.45+-19.5%	92.34+- 0.4%	37.7	10064		
3040	2/ 3/82	56: 0: 0N	80	3	NA	4.73+- 9.7%	124.97+- 0.3%	26.4	10066		
3041	2/ 3/82	56: 0:42N	67	3	NA	5.82+- 7.9%	117.03+- 0.3%	20.1	10067		
3041	2/ 3/82	56: 0:42N	67	56	NA	4.94+- 9.3%	117.55+- 0.3%	23.8	10068		
3042	3/ 3/82	56: 0: 0N	70	3	NA	5.65+- 8.2%	118.97+- 0.3%	21.1	10070		
3043	4/ 3/82	56:29:51N	55	3	NA	8.74+-28.8%	170.21+- 1.4%	19.5	10071		
3043	4/ 3/82	56:29:51N	55	51	NA	7.27+-36.1%	188.85+- 1.3%	26.0	10072		
3044	4/ 3/82	57: 0: 0N	65	3	NA	6.34+-39.8%	176.64+- 1.4%	27.8	10075		
3045	4/ 3/82	57: 0: 0N	77	3	NA	9.50+- 4.9%	178.48+- 0.3%	18.8	10077		
3045	4/ 3/82	57: 0: 0N	77	68	NA	6.50+-13.9%	181.80+- 0.5%	28.0	10078		
3046	4/ 3/82	57: 0: 0N	85	3	NA	ND	138.78+- 1.2%		10080		
3047	4/ 3/82	57: 0: 0N	94	3	NA	3.29+-27.8%	106.29+- 0.7%	32.3	10081		

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.	
3047	4/ 3/82	57: 0: 0N	94	90	NA	3.83+-23.9%	104.08+-	0.7%	27.2	10082
3048	5/ 3/82	57: 0: 0N	94	3	NA	3.77+-24.3%	90.59+-	0.8%	24.0	10084
3049	5/ 3/82	56:59:45N	68	3	NA	ND	63.75+-	0.9%		10085
3049	5/ 3/82	56:59:45N	68	64	NA	ND	61.67+-	0.9%		10086
3050	5/ 3/82	57: 0: 0N	60	3	NA	ND	62.27+-	0.9%		10088
3051	5/ 3/82	57: 0: 0N	60	3	NA	ND	72.67+-	0.8%		10089
3051	5/ 3/82	57: 0: 0N	60	53	NA	ND	69.17+-	0.9%		10090
3052	5/ 3/82	57:30: 0N	89	3	NA	ND	42.86+-	1.2%		10092
3053	5/ 3/82	58: 0: 0N	131	3	NA	ND	53.11+-	1.0%		10093
3053	5/ 3/82	58: 0: 0N	131	32	NA	ND	13.31+-	3.5%		10094
3053	5/ 3/82	58: 0: 0N	131	125	NA	ND	40.68+-	1.4%		10096
3054	5/ 3/82	58: 0: 0N	98	3	NA	ND	57.24+-	1.0%		10098
3055	6/ 3/82	57:59:54N	74	3	NA	ND	86.81+-	0.7%		10099
3055	6/ 3/82	57:59:54N	74	69	NA	ND	90.65+-	0.7%		10100
3056	6/ 3/82	58: 0: 0N	87	3	NA	3.86+-24.0%	111.51+-	0.7%	28.9	10102
3057	6/ 3/82	58: 0:18N	141	3	NA	5.08+-18.3%	105.78+-	0.7%	20.8	10103
3057	6/ 3/82	58: 0:18N	141	51	NA	2.07+-44.4%	107.49+-	0.7%	51.9	10104
3057	6/ 3/82	58: 0:18N	141	115	NA	2.88+-32.2%	95.34+-	0.8%	33.1	10106
3058	6/ 3/82	58: 0: 0N	130	3	NA	ND	106.91+-	1.5%		10108
3059	6/ 3/82	58: 0: 0N	120	3	NA	6.33+-39.8%	139.07+-	1.7%	22.0	10109
3060	6/ 3/82	57:59:39N	89	3	NA	ND	174.81+-	1.0%		10110
3060	6/ 3/82	57:59:39N	89	83	NA	4.78+-53.7%	171.41+-	1.4%	35.9	10111
3061	6/ 3/82	58: 0:15N	61	3	NA	11.26+-22.6%	208.41+-	1.2%	18.5	10114
3061	6/ 3/82	58: 0:15N	61	57	NA	11.71+- 8.9%	204.46+-	0.5%	17.5	10115
3062	7/ 3/82	58:30: 0N	60	3	NA	13.00+- 7.1%	228.34+-	0.4%	17.6	10117
3063	7/ 3/82	58:40: 0N	70	3	NA	13.00+- 7.1%	232.48+-	0.4%	17.9	10118
3064	7/ 3/82	58:40: 0N	80	3	NA	11.20+- 8.2%	265.83+-	0.4%	23.7	10119
3065	7/ 3/82	58:39:45N	89	3	NA	16.84+- 5.6%	336.66+-	0.3%	20.0	10120
3065	7/ 3/82	58:39:45N	89	35	NA	11.09+- 8.2%	258.08+-	0.4%	23.3	10121
3065	7/ 3/82	58:39:45N	89	78	NA	12.66+- 8.7%	219.41+-	0.5%	17.3	10123

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.	
3066	7/ 3/82	58:59:51N	67	3	0W	4: 0: 0W	NA	158.07+- 0.5%	22.8	10125
3066	7/ 3/82	58:59:51N	67	58	0W	4: 0: 0W	NA	147.83+- 0.6%	20.2	10126
3067	7/ 3/82	59:15: 0N	122	3	0W	4: 0: 0W	NA	65.90+- 0.9%		10132
3068	7/ 3/82	59:30: 0N	139	3	6W	4: 0: 6W	NA	68.53+- 0.9%		10133
3068	7/ 3/82	59:30: 0N	139	77	6W	4: 0: 6W	NA	66.88+- 1.2%		10134
3068	7/ 3/82	59:30: 0N	139	128	6W	4: 0: 6W	NA	44.67+- 1.5%		10136
3069	7/ 3/82	59:29:42N	75	3	57W	2:59:57W	NA	211.51+- 0.4%	26.9	10138
3070	7/ 3/82	59:30: 0N	94	3	0W	2: 0: 0W	NA	143.43+- 0.3%	41.0	10139
3071	8/ 3/82	59: 0: 0N	83	3	0W	2: 0: 0W	NA	165.75+- 0.3%	19.2	10153
3072	9/ 3/82	58:59:39N	127	3	15W	0:59:15W	NA	84.63+- 0.4%	40.1	10154
3072	9/ 3/82	58:59:39N	127	52	15W	0:59:15W	NA	82.68+- 0.7%	17.3	10155
3072	9/ 3/82	58:59:39N	127	124	15W	0:59:15W	NA	4.78+-14.2%	18.8	10157
3073	9/ 3/82	59: 0: 0N	131	3	0E	0: 0: 0E	NA	4.21+-15.8%	25.7	10159
3074	9/ 3/82	59: 0: 0N	125	3	0E	1: 0: 0E	NA	65.00+- 0.6%		10160
3074	9/ 3/82	59: 0: 0N	125	50	0E	1: 0: 0E	NA	63.51+- 0.4%		10161
3074	9/ 3/82	59: 0: 0N	125	116	0E	1: 0: 0E	NA	58.46+- 0.5%		10163
3075	9/ 3/82	59: 0: 0N	116	3	0E	2: 0: 0E	NA	30.19+- 0.8%		10165
3076	9/ 3/82	59: 0: 0N	138	3	0E	3: 0: 0E	NA	24.39+- 1.4%		10166
3076	9/ 3/82	59: 0: 0N	138	60	0E	3: 0: 0E	NA	19.12+- 1.4%		10167
3076	9/ 3/82	59: 0: 0N	138	131	0E	3: 0: 0E	NA	17.65+- 2.0%		10169
3077	9/ 3/82	59: 0: 0N	295	3	0E	4: 0: 0E	NA	39.94+- 0.7%		10172
3078	9/ 3/82	59:30: 0N	220	3	0E	3:30: 0E	NA	24.48+- 1.4%		10173
3079	9/ 3/82	60: 0: 0N	245	3	42E	2:58:42E	NA	23.96+- 1.4%		10174
3080	11/ 3/82	60:13:48N	109	3	0E	2: 0: 0E	NA	14.27+- 2.3%		10175
3081	11/ 3/82	60: 0: 0N	125	3	0E	1: 0: 0E	NA	35.94+- 1.0%		10176
3081	11/ 3/82	60: 0: 0N	125	74	0E	1: 0: 0E	NA	37.08+- 1.1%		10177
3081	11/ 3/82	60: 0: 0N	125	119	0E	1: 0: 0E	NA	32.87+- 1.7%		10179
3082	11/ 3/82	60: 0: 0N	152	3	9E	0: 0: 9E	NA	41.84+- 0.6%		10181
3082	11/ 3/82	60: 0: 0N	152	109	9E	0: 0: 9E	NA	39.54+- 0.7%		10182
3082	11/ 3/82	60: 0: 0N	152	145	9E	0: 0: 9E	NA	38.76+- 0.7%		10184

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
3083	11/ 3/82	60: 0:39N	114	3	NA	ND	66.57+- 0.4%		10186
3083	11/ 3/82	60: 0:39N	114	77	NA	ND	65.72+- 0.4%		10187
3083	11/ 3/82	60: 0:39N	114	108	NA	ND	65.78+- 0.4%		10189
3084	11/ 3/82	59:49:42N	101	3	NA	ND	60.98+- 0.5%		10191
3085	12/ 3/82	60:30:21N	117	3	NA	ND	51.52+- 0.5%		10192
3085	12/ 3/82	60:30:21N	117	60	NA	ND	53.89+- 0.5%		10193
3085	12/ 3/82	60:30:21N	117	110	NA	ND	51.74+- 0.5%		10195
3086	12/ 3/82	61: 0: 0N	150	3	NA	ND	10.20+- 2.2%		10197
3086	12/ 3/82	61: 0: 0N	150	75	NA	ND	11.65+- 2.1%		10198
3086	12/ 3/82	61: 0: 0N	150	145	NA	ND	11.71+- 4.0%		10200
3087	12/ 3/82	61: 0: 0N	155	3	NA	ND	12.36+- 3.7%		10202
3088	12/ 3/82	61: 0: 3N	135	3	NA	ND	21.42+- 2.3%		10203
3088	12/ 3/82	61: 0: 3N	135	60	NA	ND	22.52+- 2.2%		10204
3088	12/ 3/82	61: 0: 3N	135	126	NA	ND	23.18+- 2.1%		10206
3089	12/ 3/82	61: 0: 0N	320	3	NA	ND	8.13+- 5.5%		10208
3090	12/ 3/82	61: 0: 0N	352	3	NA	ND	49.36+- 1.1%		10209
3090	12/ 3/82	61: 0: 0N	352	25	NA	ND	48.81+- 1.1%		10210
3090	12/ 3/82	61: 0: 0N	352	120	NA	ND	32.53+- 1.6%		10212
3090	12/ 3/82	61: 0: 0N	352	343	NA	ND	27.57+- 2.0%		10214
3091	13/ 3/82	60:30: 0N	305	3	NA	ND	29.19+- 1.7%		10216
3092	13/ 3/82	60: 0: 0N	285	3	NA	ND	19.27+- 2.4%		10217
3092	13/ 3/82	60: 0: 0N	285	50	NA	ND	20.91+- 2.3%		10218
3092	13/ 3/82	60: 0: 0N	285	220	NA	ND	22.61+- 2.1%		10220
3092	13/ 3/82	60: 0: 0N	285	278	NA	ND	13.28+- 3.9%		10222
3093	13/ 3/82	59:30: 0N	268	3	NA	ND	58.02+- 1.0%		10224
3094	13/ 3/82	59: 0: 0N	137	3	NA	ND	66.01+- 0.9%		10225
3095	13/ 3/82	58:30: 0N	287	3	NA	ND	66.47+- 0.9%		10226
3096	13/ 3/82	58: 0: 0N	309	3	NA	ND	62.80+- 0.9%		10227
3097	13/ 3/82	57:30: 0N	197	3	NA	ND	65.84+- 0.9%		10228
3098	14/ 3/82	57:30: 6N	170	3	NA	ND	65.62+- 0.9%		10229

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
3098	14/ 3/82	57:30: 6N	170	15	NA	ND	45.34+- 1.2%		10230
3098	14/ 3/82	57:30: 6N	170	70	NA	ND	43.34+- 1.2%		10232
3098	14/ 3/82	57:30: 6N	170	166	NA	ND	47.56+- 1.3%		10234
3099	14/ 3/82	57:52:57N	517	3	NA	ND	67.02+- 0.8%		10236
3099	14/ 3/82	57:52:57N	517	15	NA	ND	68.16+- 0.9%		10237
3099	14/ 3/82	57:52:57N	517	99	NA	ND	47.32+- 1.1%		10239
3099	14/ 3/82	57:52:57N	517	508	NA	ND	47.47+- 1.6%		10241
3100	14/ 3/82	57:59:39N	554	3	NA	ND	66.24+- 0.9%		10243
3100	14/ 3/82	57:59:39N	554	34	NA	ND	50.90+- 1.1%		10244
3100	14/ 3/82	57:59:39N	554	279	NA	ND	49.12+- 1.1%		10246
3100	14/ 3/82	57:59:39N	554	549	NA	ND	47.42+- 1.3%		10248
3101	14/ 3/82	58:30: 3N	509	3	NA	ND	63.27+- 0.9%		10250
3101	14/ 3/82	58:30: 3N	509	26	NA	ND	55.93+- 1.0%		10251
3101	14/ 3/82	58:30: 3N	509	243	NA	ND	31.09+- 1.6%		10253
3101	14/ 3/82	58:30: 3N	509	505	NA	ND	37.60+- 1.4%		10255
3102	14/ 3/82	58:30: 3N	141	3	NA	ND	67.57+- 0.9%		10257
3102	14/ 3/82	58:30: 3N	141	14	NA	ND	22.51+- 2.2%		10258
3102	14/ 3/82	58:30: 3N	141	76	NA	1.81+-42.3%	88.99+- 0.8%	49.1	10260
3102	14/ 3/82	58:30: 3N	141	135	NA	3.92+-20.2%	84.70+- 0.9%	21.6	10262
3103	14/ 3/82	58: 1: 3N	138	3	NA	ND	70.36+- 0.8%		10264
3103	14/ 3/82	58: 1: 3N	138	20	NA	8.25+- 9.8%	118.05+- 0.7%	14.3	10265
3103	14/ 3/82	58: 1: 3N	138	135	NA	5.10+-15.6%	123.20+- 0.7%	24.2	10267
3104	14/ 3/82	57:30: 9N	65	3	NA	ND	48.23+- 1.1%		10269
3104	14/ 3/82	57:30: 9N	65	20	NA	ND	64.60+- 0.9%		10270
3104	14/ 3/82	57:30: 9N	65	62	NA	3.05+-27.8%	80.41+- 1.0%	26.4	10272
3105	15/ 3/82	56:58: 6N	42	3	NA	ND	50.64+- 1.1%		10274
3105	15/ 3/82	56:58: 6N	42	16	NA	ND	71.34+- 0.8%		10275
3105	15/ 3/82	56:58: 6N	42	39	NA	4.38+-18.3%	85.43+- 0.9%	19.5	10277
3106	15/ 3/82	56:29:57N	31	3	NA	ND	45.23+- 1.2%		10279
3106	15/ 3/82	56:29:57N	31	16	NA	ND	44.62+- 1.2%		10280

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
3106	15/ 3/82	56:29:57N 12: 0: 6E	31	29	NA	ND	82.28+- 0.8%		10282
3107	15/ 3/82	56: 8: 6N 12:30: 0E	28	3	NA	ND	40.99+- 1.3%		10284
3107	15/ 3/82	56: 8: 6N 12:30: 0E	28	18	NA	ND	68.06+- 0.8%		10285
3107	15/ 3/82	56: 8: 6N 12:30: 0E	28	26	NA	ND	73.72+- 0.8%		10287
3108	15/ 3/82	56: 0: 0N 12:40:18E	24	3	NA	ND	36.92+- 1.4%		10289
3109	15/ 3/82	55:49: 3N 12:47:12E	21	3	NA	ND	38.89+- 1.3%		10290
3109	15/ 3/82	55:49: 3N 12:47:12E	21	16	NA	ND	65.12+- 0.9%		10291
3110	15/ 3/82	55:25:42N 12:33: 0E	15	3	NA	ND	22.95+- 2.1%		10293
3110	15/ 3/82	55:25:42N 12:33: 0E	15	13	NA	ND	22.63+- 2.1%		10294
3111	15/ 3/82	55: 5: 3N 13: 0: 0E	24	3	NA	ND	18.88+- 2.5%		10296
3111	15/ 3/82	55: 5: 3N 13: 0: 0E	24	22	NA	ND	19.59+- 2.4%		10297
3112	15/ 3/82	55:11: 9N 13:59:39E	45	3	NA	ND	15.70+- 2.9%		10299
3112	15/ 3/82	55:11: 9N 13:59:39E	45	30	NA	ND	18.42+- 2.5%		10300
3112	15/ 3/82	55:11: 9N 13:59:39E	45	42	NA	ND	21.08+- 2.3%		10302
3113	16/ 3/82	55:30:15N 15: 0:42E	78	3	NA	ND	16.33+- 2.8%		10304
3113	16/ 3/82	55:30:15N 15: 0:42E	78	50	NA	ND	14.82+- 3.1%		10305
3113	16/ 3/82	55:30:15N 15: 0:42E	78	71	NA	ND	26.70+- 2.2%		10307
3114	16/ 3/82	55:49: 0N 16: 0:15E	63	3	NA	ND	17.15+- 2.7%		10309
3114	16/ 3/82	55:49: 0N 16: 0:15E	63	49	NA	ND	16.68+- 2.8%		10310
3114	16/ 3/82	55:49: 0N 16: 0:15E	63	54	NA	ND	15.84+- 3.1%		10312
3115	16/ 3/82	55:30: 0N 16: 0: 9E	84	3	NA	ND	16.45+- 2.8%		10314
3115	16/ 3/82	55:30: 0N 16: 0: 9E	84	53	NA	ND	13.24+- 3.4%		10315
3115	16/ 3/82	55:30: 0N 16: 0: 9E	84	77	NA	ND	26.46+- 2.0%		10317
3116	16/ 3/82	55: 9:54N 15:59:36E	91	3	NA	ND	15.67+- 2.9%		10319
3116	16/ 3/82	55: 9:54N 15:59:36E	91	60	NA	ND	19.57+- 2.4%		10320
3116	16/ 3/82	55: 9:54N 15:59:36E	91	83	NA	ND	28.44+- 2.0%		10322
3117	16/ 3/82	54:50: 0N 15:30: 0E	76	3	NA	ND	15.31+- 3.0%		10324
3118	16/ 3/82	54:36: 0N 15: 0: 0E	51	3	NA	ND	13.95+- 3.3%		10325
3118	16/ 3/82	54:36: 0N 15: 0: 0E	51	40	NA	ND	14.73+- 3.1%		10326
3118	16/ 3/82	54:36: 0N 15: 0: 0E	51	46	NA	ND	16.53+- 2.9%		10328

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
3119	16/ 3/82	54:30: 0N 14:10: 0E	16	3	NA	ND	15.71+- 2.9%		10330
3119	16/ 3/82	54:30: 0N 14:10: 0E	16	12	NA	ND	15.40+- 3.0%		10331
3120	16/ 3/82	54:53:51N 13:29:31E	49	3	NA	ND	17.24+- 2.7%		10333
3120	16/ 3/82	54:53:51N 13:29:31E	49	34	NA	ND	13.86+- 3.3%		10334
3120	16/ 3/82	54:53:51N 13:29:31E	49	46	NA	ND	40.76+- 1.3%		10336
3121	16/ 3/82	54:45:27N 12:30: 0E	17	3	NA	ND	15.76+- 2.9%		10338
3121	16/ 3/82	54:45:27N 12:30: 0E	17	16	NA	ND	17.20+- 2.7%		10339
3122	17/ 3/82	54:27:48N 11:59:51E	21	3	NA	ND	22.84+- 2.1%		10341
3122	17/ 3/82	54:27:48N 11:59:51E		17	NA	ND	23.32+- 2.1%		10342
3123	17/ 3/82	54:34:57N 11:14:51E	29	3	NA	ND	32.03+- 1.6%		10344
3123	17/ 3/82	54:34:57N 11:14:51E	29	24	NA	ND	34.80+- 1.5%		10345
3124	17/ 3/82	54:34:54N 10:34:54E	17	3	NA	ND	37.01+- 1.4%		10347
3124	17/ 3/82	54:34:54N 10:34:54E	17	14	NA	ND	42.49+- 1.2%		10348
3125	17/ 3/82	54:52: 6N 10: 9:39E	31	3	NA	ND	39.02+- 1.3%		10350
3125	17/ 3/82	54:52: 6N 10: 9:39E	31	14	NA	ND	50.54+- 1.1%		10351
3125	17/ 3/82	54:52: 6N 10: 9:39E	31	28	NA	ND	53.87+- 1.0%		10353
3126	17/ 3/82	55: 2:57N 11: 2:51E	15	3	NA	ND	36.29+- 1.4%		10355
3126	17/ 3/82	55: 2:57N 11: 2:51E	15	13	NA	ND	38.39+- 1.3%		10356
3127	17/ 3/82	55:30:12N 11: 0: 9E	20	3	NA	ND	41.11+- 1.3%		10358
3127	17/ 3/82	55:30:12N 11: 0: 9E	20	16	NA	ND	45.01+- 1.2%		10359
3128	17/ 3/82	55:59:51N 11: 3:48E	21	3	NA	ND	47.09+- 1.1%		10361
3128	17/ 3/82	55:59:51N 11: 3:48E	21	14	NA	ND	50.28+- 1.1%		10362
3128	17/ 3/82	55:59:51N 11: 3:48E	21	21	NA	ND	67.54+- 0.9%		10364
3129	18/ 3/82	56:30: 9N 11:10: 0E	18	3	NA	ND	64.81+- 0.9%		10366
3129	18/ 3/82	56:30: 9N 11:10: 0E	18	16	NA	ND	75.34+- 0.8%		10367
3130	18/ 3/82	57: 2: 6N 10:53:57E	10	3	NA	ND	67.46+- 0.9%		10369
3130	18/ 3/82	57: 2: 6N 10:53:57E	10	9	NA	ND	68.40+- 0.9%		10370
3131	18/ 3/82	57:30: 0N 10:50: 0E	34	3	NA	ND	65.16+- 0.9%		10372
3131	18/ 3/82	57:30: 0N 10:50: 0E	34	30	NA	ND	67.06+- 0.9%		10373
3132	18/ 3/82	57:49:51N 10:30:15E	103	3	NA	ND	44.61+- 1.2%		10375

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						10:30:15E	10:30:15E	121.79+-	0.7%		
3132	18/ 3/82	57:49:51N	103	50	NA	1.31+-60.8%	121.79+-	0.7%	93.3	10376	
3132	18/ 3/82	57:49:51N	103	96	NA	1.72+-45.7%	123.89+-	0.6%	71.9	10378	
3133	18/ 3/82	57:30: 0N	30	3	NA	5.82+-13.8%	90.68+-	0.8%	15.6	10380	
3133	18/ 3/82	57:30: 0N	30	26	NA	1.70+-46.2%	94.08+-	0.8%	55.3	10381	
3134	18/ 3/82	57: 0: 0N	32	3	NA	1.80+-43.7%	89.53+-	0.8%	49.8	10383	
3135	18/ 3/82	57: 0: 9N	33	3	NA	5.58+-14.4%	155.44+-	0.6%	27.9	10384	
3135	18/ 3/82	57: 0: 9N	33	28	NA	3.85+-20.7%	150.19+-	0.6%	39.0	10385	
3136	19/ 3/82	57: 0: 0N	49	3	NA	8.92+-10.5%	132.19+-	0.6%	14.8	10394	
3137	19/ 3/82	56:30: 0N	61	3	NA	7.56+-12.3%	136.26+-	0.6%	18.0	10395	
3138	19/ 3/82	56: 0: 0N	57	3	NA	8.47+-11.0%	118.41+-	0.7%	14.0	10396	
3139	19/ 3/82	55:59:48N	43	3	NA	7.40+-12.6%	121.64+-	0.7%	16.4	10397	
3139	19/ 3/82	55:59:48N	43	36	NA	4.15+-22.1%	119.02+-	0.7%	28.7	10398	
3140	20/ 3/82	56: 0: 0N	45	3	NA	6.40+-14.5%	157.64+-	0.5%	24.6	10400	
3141	20/ 3/82	56:30: 0N	40	3	NA	3.42+-13.3%	128.70+-	0.3%	37.6	10401	
3141	20/ 3/82	56:30: 0N	40	36	NA	3.20+-14.4%	137.40+-	0.3%	42.9	10402	
3142	20/ 3/82	56: 0: 0N	34	3	NA	4.14+-10.7%	105.49+-	0.4%	25.5	10404	
3142	20/ 3/82	56: 0: 0N	34	31	NA	3.40+-13.5%	108.99+-	0.4%	32.1	10405	
3143	20/ 3/82	56: 0: 0N	24	3	NA	2.98+-15.4%	77.13+-	0.5%	25.9	10407	
3144	20/ 3/82	55:30: 0N	30	3	NA	ND	59.69+-	0.5%	10408	10408	
3145	20/ 3/82	55: 0: 0N	20	3	NA	ND	36.38+-	0.7%	10409	10409	
3146	20/ 3/82	55: 0: 0N	32	3	NA	ND	46.49+-	0.6%	10410	10410	
3146	20/ 3/82	55: 0: 0N	32	28	NA	ND	50.77+-	0.5%	10411	10411	
3147	20/ 3/82	55: 0: 0N	41	3	NA	4.14+-11.1%	86.75+-	0.4%	21.0	10413	
3148	20/ 3/82	54:59:51N	41	3	NA	ND	98.29+-	0.7%	10414	10414	
3148	20/ 3/82	54:59:51N	41	37	NA	ND	108.08+-	0.6%	10415	10415	
3149	21/ 3/82	55: 2: 0N	48	3	NA	4.65+-20.1%	128.59+-	0.6%	27.6	10417	
3150	21/ 3/82	55: 1:57N	26	3	NA	4.14+-22.6%	108.43+-	0.7%	26.2	10418	
3150	21/ 3/82	55: 1:57N	26	23	NA	ND	103.45+-	0.6%	10419	10419	
3152	21/ 3/82	54:30: 0N	19	3	NA	4.45+-21.0%	139.84+-	0.6%	31.4	10421	
3154	21/ 3/82	54: 0: 0N	43	3	NA	ND	129.42+-	0.5%	10422	10422	

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
3260	6/ 3/82	57:49: 0N	55	3	NA	5.78+-43.5%	202.66+- 1.2%	35.1	10113
3266	7/ 3/82	59: 0: 0N	100	3	NA	10.61+- 8.5%	232.82+- 0.4%	21.9	10128
3267	7/ 3/82	59:15:15N	95	3	NA	9.55+- 8.7%	268.87+- 0.4%	28.1	10129
3267	7/ 3/82	59:15:15N	95	88	NA	9.52+- 8.7%	263.75+- 0.4%	27.7	10130
3270	8/ 3/82	59:30: 6N	74	3	NA	11.29+- 8.0%	227.76+- 0.4%	20.2	10140
3270	8/ 3/82	59:30: 6N	74	51	NA	9.68+- 9.3%	209.07+- 0.4%	21.6	10143
3270	8/ 3/82	59:30: 6N	74	69	NA	7.93+-10.6%	206.93+- 0.5%	26.1	10141
3276	9/ 3/82	59: 0:30N	175	3	NA	ND	22.12+- 1.1%		10171
3296	19/ 3/82	58: 0:15N	309	3	NA	ND	53.12+- 1.0%		10387
3296	19/ 3/82	58: 0:15N	309	26	NA	ND	45.34+- 1.3%		10388
3296	19/ 3/82	58: 0:15N	309	96	NA	ND	30.45+- 1.6%		10390
3296	19/ 3/82	58: 0:15N	309	303	NA	ND	24.76+- 2.0%		10392
3370	8/ 3/82	59:22:24N	63	3	NA	10.25+- 8.8%	232.35+- 0.4%	22.7	10145
3370	8/ 3/82	59:22:24N	63	60	NA	6.65+-13.4%	144.23+- 0.6%	21.7	10146
3470	8/ 3/82	59:30:15N	115	3	NA	6.80+-13.1%	232.81+- 0.4%	34.2	10148
3470	8/ 3/82	59:30:15N	115	50	NA	4.87+- 9.8%	126.07+- 0.3%	25.9	10149
3470	8/ 3/82	59:30:15N	115	103	NA	2.67+-31.0%	112.76+- 0.7%	42.2	10151
Site 38 Cirolana									
5001	14/ 5/82	53:29:48N	43	3	NA	ND	114.19+- 0.7%		10423
5002	14/ 5/82	53: 0: 0N	35	3	NA	ND	121.62+- 0.6%		10424
5003	14/ 5/82	52:30: 0N	22	3	NA	2.34+-57.9%	121.15+- 0.9%	51.7	10425
5004	14/ 5/82	52: 0: 0N	28	3	NA	ND	45.20+- 1.5%		10426
5005	15/ 5/82	51: 0: 0N	30	3	NA	ND	13.53+- 4.6%		10427
5006	15/ 5/82	50:49:54N	38	3	NA	ND	10.83+- 5.9%		10428
5007	15/ 5/82	50:30: 0N	48	3	NA	ND	10.70+- 5.7%		10429
5008	15/ 5/82	50:15: 0N	51	3	NA	ND	21.20+- 3.0%		10430
5009	15/ 5/82	50: 0: 0N	41	3	NA	ND	24.97+- 2.6%		10431
5010	15/ 5/82	49:45: 0N	38	3	NA	ND	25.41+- 5.0%		10432

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
5011	15/ 5/82	49:44:42N	43	3	NA	ND	27.53+- 2.3%		10433
5012	15/ 5/82	49:44:30N	49	3	NA	ND	28.52+- 2.2%		10434
5013	15/ 5/82	49:45: 0N	56	3	NA	ND	29.97+- 2.1%		10435
5014	16/ 5/82	49:45:18N	57	3	NA	ND	56.10+- 2.4%		10436
5016	16/ 5/82	49:36:18N	33	3	NA	ND	29.93+- 2.3%		10438
5018	16/ 5/82	49:29: 0N	32	3	NA	ND	21.69+- 3.1%		10440
5020	16/ 5/82	49:33: 0N	40	3	NA	ND	18.25+- 3.4%		10442
5021	16/ 5/82	49:37: 0N	35	3	NA	ND	46.50+- 3.1%		10443
5023	17/ 5/82	49:37: 0N	77	3	NA	ND	11.09+- 5.7%		10445
5024	17/ 5/82	49:35: 0N	83	3	NA	ND	5.17+-12.3%		10446
5025	18/ 5/82	49:33: 0N	95	3	NA	ND	5.15+-12.4%		10447
5026	18/ 5/82	49:30: 0N	108	3	NA	ND	5.03+-12.6%		10448
5027	18/ 5/82	49:30: 0N	125	3	NA	ND	8.48+-14.9%		10449
5028	18/ 5/82	50: 0: 0N	105	3	NA	ND	10.19+- 6.3%		10450
5029	18/ 5/82	50:30: 0N	103	3	NA	ND	12.64+-10.1%		10451
5030	18/ 5/82	51: 0: 0N	100	3	NA	ND	12.10+-10.6%		10452
5031	19/ 5/82	51:30: 0N	117	3	NA	ND	14.42+- 8.7%		10453
5032	19/ 5/82	52: 0: 0N	95	3	NA	ND	30.47+- 4.5%		10454
5033	19/ 5/82	51:59:36N	53	3	NA	ND	56.54+- 2.6%		10455
5034	19/ 5/82	52:28: 0N	56	3	NA	ND	69.73+- 2.2%		10456
5035	19/ 5/82	52:45: 0N	95	3	NA	8.98+-32.2%	93.43+- 2.5%	10.4	10457
5036	19/ 5/82	52:40: 6N	25	3	NA	8.22+-35.1%	98.99+- 2.4%	12.0	10458
5038	20/ 5/82	52:10: 0N	97	3	NA	ND	24.95+- 5.4%		10461
5039	20/ 5/82	52:15: 0N	40	3	NA	ND	37.48+- 3.7%		10462
5041	20/ 5/82	52:25: 0N	87	3	NA	6.76+-43.0%	163.69+- 1.5%	24.2	10463
5043	20/ 5/82	52:57:48N	33	3	NA	22.65+-13.4%	655.77+- 0.5%	29.0	10465
5048	21/ 5/82	53:44: 0N	44	3	NA	24.53+-29.3%	954.00+- 0.7%	38.9	10467
5050	21/ 5/82	53:53: 0N	108	3	NA	38.48+-18.6%	1156.92+- 0.6%	30.1	10469
5050	21/ 5/82	53:53: 0N	108	100	NA	ND	425.45+- 1.1%		10470
5055	22/ 5/82	54:16:42N	18	3	NA	143.46+- 5.4%	3217.65+- 0.3%	22.4	10475

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
5056	22/ 5/82	54:19:54N	40	3	NA	148.75+- 5.2%	3407.08+- 0.3%	22.9	10476
5057	22/ 5/82	54:21:48N	43	3	NA	135.63+- 5.7%	2945.41+- 0.3%	21.7	10477
5058	22/ 5/82	54:22:48N	33	3	NA	159.34+- 5.0%	3203.35+- 0.3%	20.1	10478
5059	22/ 5/82	54:27:36N	22	3	NA	1015.85+- 1.3%	24402.88+- 0.1%	24.0	10479
5078	28/ 5/82	54:10:18N	23	0	NA	ND	160.19+- 2.2%		10482
5078	28/ 5/82	54:10:18N	23	3	NA	236.48+- 3.6%	5110.75+- 0.3%	21.6	10480
5078	28/ 5/82	54:10:18N	23	22	NA	218.34+- 3.9%	4580.64+- 0.3%	21.0	10481
5079	28/ 5/82	53:59: 0N	40	3	NA	176.17+- 4.3%	3911.42+- 0.3%	22.2	10483
5080	28/ 5/82	53:49: 0N	22	3	NA	304.59+- 2.6%	6494.99+- 0.2%	21.3	10484
5081	28/ 5/82	53:40: 0N	35	3	NA	136.38+- 5.4%	2907.22+- 0.3%	21.3	10485
5082	28/ 5/82	53:30: 0N	47	3	NA	74.16+- 9.6%	1676.55+- 0.5%	22.6	10486
5083	28/ 5/82	53:44:42N	49	3	NA	28.69+-21.6%	838.48+- 0.7%	29.2	10487
5084	28/ 5/82	54: 4: 6N	41	3	NA	28.49+-23.0%	761.11+- 0.8%	26.7	10488
5089	29/ 5/82	54:30: 0N	35	3	NA	103.91+- 6.5%	2326.61+- 0.4%	22.4	10489
5089	29/ 5/82	54:30: 0N	35	35	NA	110.05+- 7.2%	2458.00+- 0.4%	22.3	10490
5090	29/ 5/82	54:45:24N	19	3	NA	153.31+- 4.9%	3444.94+- 0.3%	22.5	10491
5091	29/ 5/82	54:33: 0N	48	3	NA	58.25+-12.8%	1573.70+- 0.5%	27.0	10492
5094	30/ 5/82	55: 0: 0N	140	3	NA	35.60+- 7.3%	841.49+- 0.4%	23.6	10494
5094	30/ 5/82	55: 0: 0N	140	3	NA	37.40+- 8.0%	910.69+- 0.4%	24.3	10493
5095	30/ 5/82	55:21: 0N	109	3	NA	21.06+-14.0%	641.46+- 0.5%	30.5	10495
5097	30/ 5/82	56: 0: 0N	70	3	NA	ND	78.64+- 1.9%		10497
5098	31/ 5/82	57: 0: 0N	130	3	NA	ND	108.94+- 1.5%		10498
5099	31/ 5/82	57:30: 0N	195	3	NA	10.37+-24.0%	338.33+- 0.7%	32.6	10499
5100	31/ 5/82	58: 5:42N	101	3	NA	14.17+-20.3%	341.22+- 0.8%	24.1	10500
5101	31/ 5/82	58:30: 0N	57	3	NA	5.79+-50.6%	208.56+- 1.2%	36.0	10501
5102	31/ 5/82	58:39:54N	69	0	NA	ND	12.45+- 5.1%		10502
5102	31/ 5/82	58:39:54N	69	3	NA	13.19+-22.2%	435.47+- 0.7%	33.0	10503
5104	1/ 6/82	58:40: 6N	85	3	NA	14.20+-20.4%	411.54+- 0.7%	29.0	10504
5106	1/ 6/82	58:40: 0N	72	3	NA	13.02+-21.8%	339.11+- 0.8%	26.0	10505
5107	1/ 6/82	58:38:24N	65	3	NA	14.26+-20.3%	444.24+- 0.7%	31.2	10506

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
5108	1/ 6/82	58:30: 0N	69	3	NA	8.64+-33.1%	307.02+- 0.9%	35.5	10507
5109	1/ 6/82	58: 0: 0N	101	3	NA	14.16+-10.4%	322.06+- 0.4%	22.7	10508
5110	1/ 6/82	57: 0: 0N	76	3	NA	12.23+-11.5%	292.41+- 0.5%	23.9	10509
5236	19/ 5/82	52:40: 6N		0	NA	ND	2.55+-24.1%		10459
Site 38 Cirolana									
7005	12/ 8/82	52:30: 0N	28	3	33.933	5.16+-25.4%	127.22+- 0.9%	24.6	10510
7006	12/ 8/82	52: 0: 0N	30	3	34.798	ND	21.24+- 3.0%		10511
7009	12/ 8/82	52: 0: 0N	35	3	34.521	ND	21.45+- 3.0%		10512
7013	12/ 8/82	52:30: 6N	25	3	33.221	ND	23.71+- 2.7%		10513
7014	12/ 8/82	52:43:36N	33	3	34.280	ND	28.21+- 2.3%		10514
7017	13/ 8/82	54: 0: 0N	45	3	34.220	5.78+-22.7%	120.35+- 1.0%	20.8	10515
7022	13/ 8/82	54: 8:30N	63	3	34.664	3.91+-33.5%	119.47+- 1.0%	30.6	10516
7025	13/ 8/82	54: 0: 0N	73	3	34.588	2.52+-51.7%	130.35+- 0.9%	51.6	10517
7030	14/ 8/82	54: 0: 0N	49	3	34.228	4.04+-32.3%	150.89+- 0.8%	37.3	10518
7033	14/ 8/82	54:49: 6N	81	3	34.536	3.43+-38.1%	134.03+- 0.9%	39.1	10519
7036	14/ 8/82	54:30: 0N	67	3	34.296	7.57+-35.8%	148.50+- 1.6%	19.6	10520
7041	15/ 8/82	54:57:12N	61	3	34.314	6.83+-39.6%	187.07+- 1.3%	27.4	10521
7043	15/ 8/82	55:40: 0N	89	3	34.684	5.48+-49.3%	170.58+- 1.4%	31.1	10522
7046	15/ 8/82	56: 0: 0N	73	3	34.380	8.27+-32.8%	218.89+- 1.2%	26.5	10523
7050	16/ 8/82	56:33:12N	69	3	NA	12.74+-21.5%	259.31+- 1.0%	20.4	10524
7052	16/ 8/82	56:27: 6N	67	3	34.542	9.21+-29.5%	260.02+- 1.0%	28.2	10525
7055	16/ 8/82	56: 0: 0N	81	3	34.757	6.53+-41.4%	164.86+- 1.5%	25.2	10526
7059	17/ 8/82	56: 0: 0N	88	3	34.859	7.82+-34.6%	102.35+- 2.2%	13.1	10527
7070	17/ 8/82	56: 0: 0N	57	3	34.510	ND	95.90+- 1.6%		10528
7078	19/ 8/82	56: 0: 0N	48	3	33.062	ND	43.33+- 1.6%		10529
7080	20/ 8/82	55:56:42N	45	3	33.202	ND	47.36+- 2.9%		10530
7081	20/ 8/82	56:21: 6N	35	3	32.174	ND	66.12+- 2.2%		10531
7086	20/ 8/82	57: 1: 0N	31	3	32.493	ND	72.32+- 2.0%		10532

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	Salinity (psu)	depth (m)	Salinity (psu)		
7086	20/ 8/82	57: 1: 0N	31	26	33.815	ND	96.59+-	1.6%	10533		
7087	21/ 8/82	58: 0: 0N	310	3	28.457	ND	64.51+-	2.2%	10534		
7093	21/ 8/82	58: 0: 0N	84	3	34.101	ND	126.66+-	1.3%	10535		
7100	22/ 8/82	58: 0: 0N	89	3	34.866	ND	175.91+-	1.0%	10536		
7108	23/ 8/82	57:54:42N	111	3	35.121	ND	68.90+-	2.1%	10537		
7113	23/ 8/82	58: 0: 0N	89	3	34.817	6.02+-44.6%	199.92+-	1.2%	33.2 10538		
7118	24/ 8/82	58:30: 0N	104	3	34.951	5.11+-52.4%	157.48+-	1.5%	30.8 10539		
7123	24/ 8/82	58: 0: 0N	127	3	35.117	60.97+- 4.9%	123.70+-	2.1%	2.0 10540		
7124	26/ 8/82	60: 0: 0N	98	3	35.316	ND	37.83+-	1.8%	10541		
7127	27/ 8/82	60:27:30N	107	3	35.227	ND	39.32+-	1.7%	10542		
7131	27/ 8/82	61: 0: 0N	0:29:30W	3	35.321	ND	8.55+-	7.2%	10543		
7133	28/ 8/82	61:31: 6N	185	3	35.232	ND	9.37+-	6.6%	10544		
7136	28/ 8/82	60:59:42N	142	3	35.298	ND	9.64+-	6.5%	10545		
7140	28/ 8/82	60:30: 0N	145	3	35.284	ND	13.38+-	4.7%	10546		
7141	29/ 8/82	61: 0: 0N	310	3	34.867	ND	19.49+-	3.3%	10547		
7148	29/ 8/82	60:13:24N	111	3	34.906	ND	18.36+-	3.5%	10548		
7149	29/ 8/82	60: 0: 0N	285	3	34.910	ND	18.68+-	3.4%	10549		
7150	30/ 8/82	59: 0: 0N	262	3	33.520	ND	56.86+-	1.2%	10550		
7153	30/ 8/82	59:18:24N	121	3	33.905	ND	51.59+-	1.4%	10551		
7156	30/ 8/82	59:27:42N	121	3	34.746	ND	24.37+-	2.7%	10552		
7159	30/ 8/82	59: 0: 0N	129	3	34.947	2.86+-46.4%	142.41+-	0.8%	49.7 10553		
7164	31/ 8/82	59:11:30N	114	3	35.262	ND	38.61+-	1.8%	10554		
7166	31/ 8/82	59:15: 0N	89	3	35.031	4.82+-27.6%	113.15+-	1.0%	23.5 10555		
7167	1/ 9/82	57:30: 0N	91	3	34.804	6.27+-42.6%	201.42+-	1.2%	32.1 10556		
7171	1/ 9/82	57: 0: 6N	72	3	34.761	6.44+-41.5%	218.02+-	1.1%	33.8 10557		
7171	1/ 9/82	57: 0: 6N	72	67	34.717	5.54+-48.1%	228.79+-	1.1%	41.3 10558		
7177	1/ 9/82	56:59:48N	94	3	34.938	ND	161.25+-	1.1%	10559		
7177	1/ 9/82	56:59:48N	94	89	34.863	5.74+-46.4%	132.31+-	1.8%	23.0 10560		
7181	2/ 9/82	56:40:54N	77	3	35.006	3.89+-34.0%	115.56+-	1.0%	29.7 10561		
7183	2/ 9/82	57: 0:24N	65	3	35.068	3.63+-36.4%	105.99+-	1.1%	29.2 10562		

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7183	2/ 9/82	57: 0:24N	65	60	34.981	3.88+-34.1%	80.37+- 1.4%	20.7	10563
7190	3/ 9/82	57: 0:12N	55	3	34.229	ND	92.35+- 1.7%		10564
7190	3/ 9/82	57: 0:12N	55	50	34.809	ND	99.73+- 1.6%		10565
7191	4/ 9/82	57: 4: 0N	51	3	33.754	ND	99.85+- 1.6%		10566
7194	4/ 9/82	56:44:18N	61	3	34.475	ND	93.28+- 1.7%		10567
7206	5/ 9/82	55: 0: 0N	43	3	33.541	ND	42.19+- 1.6%		10568
7207	5/ 9/82	54:33:42N	39	3	33.716	ND	34.11+- 2.0%		10569
7209	5/ 9/82	54:13:48N	39	3	34.200	ND	41.14+- 1.7%		10570
7213	6/ 9/82	52:59:48N	43	3	34.155	2.96+-44.6%	83.50+- 1.3%	28.2	10571
7214	6/ 9/82	52:50:36N	41	3	34.206	ND	67.01+- 1.1%		10572
7217	7/ 9/82	55: 0: 0N	23	3	34.677	5.80+-22.8%	119.58+- 1.0%	20.6	10573
7225	7/ 9/82	54:59:36N	63	3	34.633	5.01+-26.4%	132.07+- 0.9%	26.4	10574
Site 38 Cirolana									
9006	5/11/82	54: 1:18N	49	3	32.898	28.42+-17.3%	758.93+- 0.7%	26.7	10575
9008	6/11/82	54:10: 6N	69	3	33.803	21.90+-24.1%	550.70+- 1.0%	25.2	10576
9010	6/11/82	53:54:12N	105	3	33.902	25.27+-19.3%	571.76+- 0.9%	22.6	10577
9012	7/11/82	53:29:30N		3	33.887	27.26+-18.0%	619.12+- 0.9%	22.7	10578
9015	8/11/82	52:14:48N	27	3	34.076	ND	49.76+- 5.2%		10579
9018	9/11/82	53:23: 6N	51	3	34.323	ND	206.84+- 1.5%		10580
9025	13/11/82	52:27:42N	77	3	34.883	ND	17.41+-14.1%		10581
9026	13/11/82	52: 7:42N	95	3	34.868	ND	9.58+-25.3%		10582
Site 39 Clione									
7006	21/ 5/82	52:59:51N	17	3	33.824	ND	789.32+- 0.7%		10583
7008	21/ 5/82	52:59:51N	95	3	34.336	ND	300.06+- 1.3%		10584
7011	22/ 5/82	53: 9:57N	128	3	34.383	ND	164.94+- 2.1%		10585
7014	22/ 5/82	53:10: 6N	32	3	34.491	ND	478.97+- 0.9%		10586
7022	22/ 5/82	53:29:54N	60	3	34.272	16.34+-42.4%	759.05+- 0.8%	46.4	10587

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7023	22/ 5/82	53:29:51N	91	3	34.521	ND	374.84+- 1.1%		10588
7025	23/ 5/82	53:30:12N	87	3	33.851	27.94+-26.0%	1096.71+- 0.6%	39.3	10589
7027	23/ 5/82	53:30:21N	39	3	33.814	31.61+-22.1%	1038.15+- 0.6%	32.8	10590
7036	23/ 5/82	53:50: 0N	78	3	34.200	ND	515.88+- 0.8%		10591
7038	23/ 5/82	53:49:54N	66	3	33.850	32.27+-20.9%	1014.51+- 0.6%	31.4	10592
7040	23/ 5/82	53:50: 5N	87	3	33.782	37.41+-18.7%	1204.99+- 0.6%	32.2	10593
7042	23/ 5/82	53:49:57N	45	3	33.594	36.37+-19.2%	1123.31+- 0.6%	30.9	10594
7048	24/ 5/82	53:59:42N	52	3	33.956	24.45+-27.2%	1028.34+- 0.6%	42.1	10595
7049	24/ 5/82	54: 9:45N	35	3	33.872	34.88+-20.0%	967.17+- 0.7%	27.7	10596
7051	24/ 5/82	54:10:12N	85	3	33.691	35.36+-19.7%	1240.00+- 0.6%	35.1	10597
7053	24/ 5/82	54: 9:57N	20	3	33.705	41.97+-16.7%	1224.17+- 0.6%	29.2	10598
7058	24/ 5/82	54:29:45N	40	3	33.563	80.11+- 9.0%	2006.03+- 0.4%	25.0	10599
7060	25/ 5/82	54:30:24N	89	3	34.021	20.27+-34.0%	834.60+- 0.8%	41.2	10600
7062	25/ 5/82	54:29:57N	32	3	33.898	27.56+-25.2%	1069.06+- 0.6%	38.8	10601
7064	25/ 5/82	54:40:36N	36	3	33.979	32.90+-21.1%	1096.97+- 0.6%	33.3	10602
7066	25/ 5/82	54:39:48N	43	3	33.753	47.38+-15.1%	1616.26+- 0.5%	34.1	10603
7067	25/ 5/82	54:39:57N	43	3	33.559	75.59+- 9.6%	2134.04+- 0.4%	28.2	10604
7068	25/ 5/82	54:40: 3N	46	3	33.262	117.26+- 6.4%	2956.92+- 0.3%	25.2	10605
7069	25/ 5/82	54:39:24N	21	3	32.839	399.21+- 2.2%	8662.31+- 0.2%	21.7	10606
7070	25/ 5/82	54:31: 0N	23	3	32.682	756.73+- 1.4%	16212.51+- 0.1%	21.4	10607
7071	25/ 5/82	54:30:12N	39	3	33.437	94.13+- 7.8%	2430.37+- 0.4%	25.8	10608
7072	25/ 5/82	54:30:12N	53	3	33.397	95.29+- 8.0%	2576.54+- 0.4%	27.0	10609
7073	25/ 5/82	54:19:18N	28	3	33.625	41.20+-18.7%	1541.14+- 0.5%	37.4	10610
7074	25/ 5/82	54:19:51N	43	3	33.254	133.77+- 5.6%	3053.85+- 0.3%	22.8	10611
7075	26/ 5/82	54:19:54N	44	3	33.220	131.14+- 5.7%	3164.11+- 0.3%	24.1	10612
7076	26/ 5/82	54:20:12N	24	3	32.761	240.85+- 3.3%	4911.30+- 0.2%	20.4	10613
7077	26/ 5/82	54:10: 6N	31	3	33.510	78.13+- 9.4%	1795.05+- 0.5%	23.0	10614
7078	26/ 5/82	54: 9:48N	28	3	33.341	108.47+- 6.6%	2499.70+- 0.4%	23.0	10615
7079	26/ 5/82	54: 9:48N	34	3	32.943	184.29+- 4.1%	3798.55+- 0.3%	20.6	10616
7080	26/ 5/82	54:10:15N	28	3	32.766	210.05+- 3.7%	4523.49+- 0.3%	21.5	10617

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
7081	26/ 5/82	54: 0: 9N	30	3	32.431	NA	NA		10618
7082	26/ 5/82	53:59:57N	40	3	33.080	150.28+- 5.0%	3315.52+- 0.3%	22.1	10619
7083	26/ 5/82	54: 0:12N	47	3	33.581	78.96+- 8.9%	1788.32+- 0.4%	22.6	10620
7084	26/ 5/82	54: 0: 3N	42	3	34.016	27.73+-25.0%	829.93+- 0.8%	29.9	10621
7085	26/ 5/82	53:49:54N	46	3	33.905	37.13+-18.8%	805.05+- 0.8%	21.7	10622
Site 40 Corella/Dawn Sky									
7016	8/ 5/82	49:45:30N	83	3	34.839	ND	5.38+-22.6%		5294
7046	10/ 5/82	49:45:48N	74	3	34.723	ND	5.50+-31.8%		5295
7166	22/ 5/82	49:49: 0N	89	3	35.086	ND	6.54+-26.8%		5296
7174	24/ 5/82	50:36:12N	57	3	34.880	ND	13.07+-13.5%		5297
Site 40 Corella/Dawn Sky									
15001	3/11/82	52:25: 0N	36	3	NA	4.50+-26.7%	125.03+- 0.9%	27.8	10623
15002	3/11/82	52: 0: 0N	38	3	NA	ND	19.80+- 3.1%		10624
15003	3/11/82	51:30: 0N	31	3	NA	ND	19.32+- 2.7%		10625
15004	3/11/82	51: 0: 0N	24	3	NA	ND	11.79+- 5.2%		10626
15005	3/11/82	50:49:24N	31	3	NA	ND	12.89+- 4.8%		10627
15006	4/11/82	50:32:18N	66	3	NA	ND	8.95+- 7.3%		10628
15007	4/11/82	50:25: 0N	36	3	NA	ND	21.00+- 3.1%		10629
15008	4/11/82	50:17: 0N	55	3	NA	ND	6.43+- 9.2%		10630
15009	4/11/82	50: 9:30N	60	3	NA	ND	5.84+-10.4%		10631
15010	4/11/82	50: 2: 0N	72	3	NA	ND	6.65+- 9.1%		10632
15011	4/11/82	49:54: 0N	82	3	NA	ND	8.85+- 7.2%		10633
15012	5/11/82	50: 0: 0N	66	3	NA	ND	7.21+- 8.5%		10634
15013	5/11/82	50:30: 0N	84	3	NA	ND	7.60+- 8.0%		10635
15014	5/11/82	51: 0: 0N	96	3	NA	ND	13.48+- 4.6%		10636
15015	5/11/82	51:30:36N	110	3	NA	ND	11.14+- 5.1%		10637

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15015	5/11/82	51:30:36N	110	106	NA	ND	11.25+-5.3%		10638
15016	5/11/82	52:10:0N	40	3	NA	ND	24.23+-4.9%		10639
15017	5/11/82	52:10:12N	93	3	NA	ND	11.64+-10.6%		10640
15018	5/11/82	51:59:27N	103	3	NA	ND	6.92+-17.6%		10641
15018	5/11/82	51:59:27N	103	98	NA	ND	15.21+-8.2%		10642
15019	5/11/82	52:0:0N	60	3	NA	ND	10.30+-12.0%		10643
15020	5/11/82	52:10:3N	60	3	NA	ND	9.47+-13.0%		10644
15020	5/11/82	52:10:3N	60	55	NA	ND	10.11+-12.2%		10645
15021	6/11/82	52:39:54N	18	3	NA	ND	100.90+-1.5%		10646
15022	6/11/82	52:39:45N	80	3	NA	ND	56.43+-2.5%		10647
15022	6/11/82	52:39:45N	80	75	NA	ND	58.61+-2.5%		10648
15023	6/11/82	52:39:18N	72	3	NA	ND	60.16+-2.4%		10649
15023	6/11/82	52:39:18N	72	67	NA	ND	53.16+-2.7%		10650
15024	6/11/82	52:40:0N	40	3	NA	ND	73.54+-2.0%		10651
15025	6/11/82	53:0:12N	23	3	NA	8.34+-28.2%	201.00+-1.2%	24.1	10652
15026	6/11/82	53:2:30N	110	3	NA	ND	110.13+-1.4%		10653
15026	6/11/82	53:2:30N	110	105	NA	6.07+-38.5%	102.53+-2.2%	16.9	10654
15027	6/11/82	53:0:0N	41	3	NA	ND	50.26+-2.6%		10655
15028	6/11/82	53:20:15N	49	3	NA	13.44+-34.9%	194.60+-2.3%	14.5	10656
15028	6/11/82	53:20:15N	49	44	NA	ND	206.15+-1.6%		10657
15029	6/11/82	53:30:0N	47	3	NA	24.61+-19.3%	490.88+-1.0%	19.9	10658
15029	6/11/82	53:30:0N	47	42	NA	25.80+-10.6%	543.06+-0.5%	21.0	10659
15030	6/11/82	53:25:0N	34	3	NA	20.79+-11.0%	535.79+-0.5%	25.8	10660
15031	7/11/82	53:20:30N	10	3	NA	32.55+-7.4%	874.78+-0.3%	26.9	10661
15032	7/11/82	53:30:12N	42	3	NA	16.94+-33.9%	539.30+-1.1%	31.8	10662
15032	7/11/82	53:30:12N	42	37	NA	ND	578.31+-0.8%		10663
15033	7/11/82	53:23:6N	16	3	NA	40.07+-13.3%	1250.41+-0.5%	31.2	10664
15034	7/11/82	53:28:0N	20	3	NA	21.89+-25.1%	812.45+-0.7%	37.1	10665
15035	8/11/82	53:35:22N	33	3	NA	11.13+-51.3%	524.97+-1.1%	47.2	10666
15035	8/11/82	53:35:22N	33	28	NA	9.68+-57.6%	597.19+-1.0%	61.7	10667

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	depth (m)	depth (m)	depth (m)		
15036	8/11/82	53:40: 6N	32	3	NA	21.27+-27.1%	639.14+-	0.9%	30.1	10668	
15036	8/11/82	53:40: 6N	32	27	NA	17.66+-32.4%	728.13+-	0.8%	41.2	10669	
15037	8/11/82	53:40: 0N	46	3	NA	13.91+-41.2%	520.14+-	1.1%	37.4	10670	
15038	8/11/82	53:39:48N	78	3	NA	20.80+-27.7%	504.77+-	1.1%	24.3	10671	
15038	8/11/82	53:39:48N	78	73	NA	11.19+-52.1%	569.26+-	1.0%	50.8	10672	
15039	8/11/82	53:50: 9N	60	3	NA	14.32+-41.5%	492.83+-	1.2%	34.4	10673	
15039	8/11/82	53:50: 9N	60	55	NA	12.91+-56.3%	544.54+-	1.3%	42.2	10674	
15040	8/11/82	53:50: 0N	41	3	NA	19.14+-31.2%	513.37+-	1.1%	26.8	10675	
15040	8/11/82	53:50: 0N	41	36	NA	ND	582.01+-	0.8%		10676	
15041	9/11/82	54: 0: 0N	50	3	NA	23.45+-25.5%	609.98+-	1.0%	26.0	10677	
15042	9/11/82	54:10: 0N	33	3	NA	23.63+-25.3%	566.81+-	1.0%	24.0	10678	
15043	9/11/82	54: 5:45N	34	3	NA	16.11+-36.9%	646.99+-	0.9%	40.2	10679	
15043	9/11/82	54: 5:45N	34	29	NA	27.70+-21.3%	700.30+-	0.9%	25.3	10680	
15044	9/11/82	54:10: 0N	25	3	NA	41.84+-12.9%	1102.01+-	0.6%	26.3	10681	
15045	9/11/82	54:12:15N	32	3	NA	69.45+- 7.5%	1721.26+-	0.4%	24.8	10682	
15045	9/11/82	54:12:15N	32	27	NA	65.63+- 9.4%	1928.59+-	0.4%	29.4	10683	
15046	9/11/82	54: 9:54N	30	3	NA	75.73+- 8.1%	1969.33+-	0.4%	26.0	10684	
15046	9/11/82	54: 9:54N	30	25	NA	97.18+- 6.3%	2159.77+-	0.4%	22.2	10685	
15047	9/11/82	54:20: 6N	26	3	NA	78.46+- 7.8%	2155.22+-	0.4%	27.5	10686	
15047	9/11/82	54:20: 6N	26	21	NA	85.87+- 7.4%	2409.64+-	0.4%	28.1	10687	
15048	9/11/82	54:23:54N	23	3	NA	1211.57+- 0.9%	21269.59+-	0.2%	17.6	10688	
15048	9/11/82	54:23:54N	23	18	NA	1036.55+- 1.0%	17684.21+-	0.2%	17.1	10689	
15049	9/11/82	54:25:54N	24	3	NA	896.66+- 1.0%	16799.70+-	0.1%	18.7	10690	
15049	9/11/82	54:25:54N	24	19	NA	1149.13+- 1.0%	21408.36+-	0.1%	18.6	10691	
15050	9/11/82	54:30: 6N	37	3	NA	154.95+- 4.2%	3356.44+-	0.3%	21.7	10692	
15050	9/11/82	54:30: 6N	37	32	NA	152.33+- 4.3%	3610.52+-	0.3%	23.7	10693	
15051	9/11/82	54:20:12N	42	3	NA	79.57+- 7.7%	2126.03+-	0.4%	26.7	10694	
15051	9/11/82	54:20:12N	42	37	NA	56.29+-10.8%	1734.99+-	0.5%	30.8	10695	
15052	9/11/82	54:20: 0N	24	3	NA	24.69+-23.9%	753.50+-	0.8%	30.5	10696	
15052	9/11/82	54:20: 0N	24	19	NA	29.27+-20.0%	755.25+-	0.8%	25.8	10697	

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15053	10/11/82	54:20: 6N	12	3	NA	21.38+-25.6%	610.87+-	0.9%	10698
15055	13/11/82	54:35:21N	57	3	NA	88.09+-	2079.22+-	0.4%	10700
15055	13/11/82	54:35:21N	57	52	NA	104.36+-	2262.71+-	0.4%	10701
15056	13/11/82	54:40: 0N	45	3	NA	255.90+-	5078.70+-	0.2%	10702
15056	13/11/82	54:40: 0N	45	40	NA	210.28+-	4154.94+-	0.3%	10703
15057	13/11/82	54:40: 0N	28	3	NA	316.08+-	6612.85+-	0.2%	10704
15057	13/11/82	54:40: 0N	28	23	NA	235.25+-	4898.82+-	0.2%	10705
15058	13/11/82	54:30:12N	56	3	NA	154.17+-	3249.59+-	0.3%	10706
15058	13/11/82	54:30:12N	56	51	NA	77.62+-	2066.46+-	0.4%	10707
15059	13/11/82	54:30: 3N	52	3	NA	23.27+-	720.85+-	0.8%	10708
15059	13/11/82	54:30: 3N	52	47	NA	22.50+-	864.67+-	0.7%	10709
15060	13/11/82	54:29:54N	38	3	NA	42.57+-	1069.58+-	0.6%	10710
15061	13/11/82	54:30:15N	140	3	NA	49.51+-	1144.87+-	0.6%	10711
15061	13/11/82	54:30:15N	140	135	NA	31.61+-	983.29+-	0.7%	10712
15062	14/11/82	54:30:18N	120	3	NA	52.77+-	1390.68+-	0.5%	10713
15062	14/11/82	54:30:18N	120	115	NA	48.01+-	1533.17+-	0.5%	10714
15063	14/11/82	54:20: 6N	84	3	NA	52.17+-	1158.71+-	0.3%	10715
15063	14/11/82	54:20: 6N	84	79	NA	57.10+-	1285.30+-	0.3%	10716
15064	14/11/82	54: 9:36N	33	3	NA	16.99+-	541.33+-	0.5%	10717
15064	14/11/82	54: 9:36N	33	28	NA	23.74+-	552.96+-	0.5%	10718
15065	14/11/82	54: 0: 6N	22	3	NA	16.85+-	419.53+-	0.6%	10719
15066	14/11/82	54: 0: 9N	86	3	NA	ND	524.95+-	0.8%	10720
15066	14/11/82	54: 0: 9N	86	81	NA	11.54+-	488.57+-	1.2%	10721
15067	14/11/82	53:40: 9N	60	3	NA	ND	273.75+-	1.3%	10722
15067	14/11/82	53:40: 9N	60	55	NA	ND	286.43+-	1.4%	10723
15068	14/11/82	53:40: 0N	20	3	NA	ND	308.36+-	1.1%	10724
15068	14/11/82	53:40: 0N	20	15	NA	ND	335.00+-	1.2%	10725
15069	14/11/82	53:50: 0N	110	3	NA	ND	268.97+-	1.3%	10726
15070	15/11/82	53:59:36N	58	3	NA	ND	491.36+-	0.9%	10727
15070	15/11/82	53:59:36N	58	53	NA	ND	557.35+-	0.8%	10728

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15071	15/11/82	54: 0: 0N	40	3	NA	17.72+-32.2%	755.83+- 0.8%	42.7	10729
15072	15/11/82	53:59:39N	38	3	NA	27.04+-21.3%	772.97+- 0.8%	28.6	10730
15072	15/11/82	53:59:39N	38	33	NA	27.13+-20.8%	795.33+- 0.8%	29.3	10731
15073	15/11/82	54: 0: 0N	35	3	NA	44.99+-11.3%	1350.71+- 0.5%	30.0	10732
15074	15/11/82	54: 0: 6N	28	3	NA	64.08+- 9.3%	1863.98+- 0.4%	29.1	10733
15075	15/11/82	54: 0: 12N	18	3	NA	107.48+- 5.4%	2564.92+- 0.3%	23.9	10734
15075	15/11/82	54: 0: 12N	18	13	NA	111.65+- 8.1%	2906.10+- 0.4%	26.0	10735
15076	15/11/82	53:50: 0N	18	3	NA	103.09+- 6.5%	2626.34+- 0.4%	25.5	10736
15077	15/11/82	53:39:48N	66	3	NA	ND	353.45+- 1.1%		10737
15077	15/11/82	53:39:48N	66	61	NA	ND	443.85+- 0.9%		10738
15078	15/11/82	53:20:10N	91	3	NA	ND	166.89+- 1.9%		10739
15078	15/11/82	53:20:10N	91	86	NA	ND	176.97+- 1.9%		10740
15079	15/11/82	53:22: 0N	30	3	NA	ND	256.72+- 1.4%		10741
15080	16/11/82	53: 0: 0N	24	3	NA	7.66+-28.4%	162.71+- 1.3%	21.2	10742
15081	16/11/82	52:40: 0N	64	3	NA	ND	55.82+- 1.2%		10743
15082	16/11/82	52:10: 0N	66	3	NA	ND	17.92+- 7.1%		10744
15083	16/11/82	51:59:36N	47	3	NA	ND	16.73+- 7.5%		10745
15083	16/11/82	51:59:36N	47	42	NA	ND	25.52+- 5.1%		10746
15084	16/11/82	51:29:54N	81	3	NA	ND	13.56+- 9.2%		10747
15084	16/11/82	51:29:54N	81	76	NA	ND	25.92+- 5.0%		10748
15085	16/11/82	50:59:48N	101	3	NA	ND	13.35+- 4.7%		10749
15086	16/11/82	50:30: 0N	90	3	NA	ND	9.08+- 6.7%		10750
15087	17/11/82	50: 0: 0N	68	3	NA	ND	9.58+- 6.4%		10751
15088	17/11/82	49:50: 0N	100	3	NA	ND	7.70+- 7.9%		10752
15089	17/11/82	49:58:36N	74	3	NA	ND	5.97+- 8.7%		10753
15090	17/11/82	50: 8:36N	62	3	NA	ND	6.23+- 9.5%		10754
15091	17/11/82	50:18:18N	51	3	NA	ND	6.73+- 9.0%		10755
15092	19/11/82	50:37:42N	24	3	NA	ND	9.57+- 6.5%		10756
15093	19/11/82	50:38:18N	36	3	NA	ND	9.37+- 6.9%		10757
15094	19/11/82	50:53:12N	36	3	NA	ND	9.81+- 6.1%		10758

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
15095	19/11/82	51: 0: 0N	1:12:54E	29	3	NA	ND	12.48+- 4.4%	10759
15096	19/11/82	51:30: 0N	1:39:24E	28	3	NA	ND	12.36+- 5.1%	10760
15097	19/11/82	52: 0: 0N	1:45: 0E	37	3	NA	ND	11.87+- 5.2%	10761
Site 38 Cirolana									
5001	22/ 4/83	54:30: 0N	0: 0: 0E	60	3	34.605	4.09+-31.0%	192.84+- 0.7%	47.1 10000
5002	23/ 4/83	57: 0: 0N	0:50: 0W	70	3	34.854	4.73+-26.9%	147.01+- 0.8%	31.1 10001
5003	23/ 4/83	57:30: 0N	1: 0: 0W	90	3	34.862	4.79+-26.6%	168.58+- 0.7%	35.2 10002
5004	23/ 4/83	58: 0: 0N	0:56: 0W	120	3	35.205	ND	44.58+- 1.7%	10003
5005	23/ 4/83	59: 0: 0N	0:48: 0W	137	3	35.270	ND	18.44+- 3.8%	10004
5006	23/ 4/83	60: 0: 0N	0:40: 0W	127	3	35.377	ND	5.83+-10.6%	10005
5007	24/ 4/83	61:10: 0N	0:30: 0W	154	3	35.315	ND	4.60+-14.8%	10006
5008	24/ 4/83	61:10: 0N	2: 0: 0W	500	3	35.317	ND	3.20+-21.2%	10007
5009	24/ 4/83	60: 0: 0N	2:53:18W	85	3	35.237	ND	41.72+- 1.8%	10008
5016	25/ 4/83	58:34:51N	3:45:18W	22	3	34.490	8.81+-14.5%	283.05+- 0.5%	32.1 10009
5017	25/ 4/83	58:42: 0N	5: 0: 0W	84	3	34.430	9.24+-14.5%	275.09+- 0.5%	29.8 10010
5018	25/ 4/83	58: 0: 0N	6:11:36W	115	3	34.571	9.23+-14.5%	259.03+- 0.5%	28.1 10011
5019	25/ 4/83	57:45:36N	6:43: 6W	96	3	34.673	5.85+-22.8%	187.43+- 0.7%	32.1 10012
5020	26/ 4/83	56:12:42N	7:29:54W	121	3	35.330	ND	26.31+- 2.7%	10013
5021	26/ 4/83	55:30: 0N	6:30: 0W	100	3	34.108	24.54+- 5.3%	573.07+- 0.3%	23.4 10014
5022	26/ 4/83	54:50: 0N	5:30: 0W	130	3	33.906	36.56+- 3.7%	824.72+- 0.2%	22.6 10015
5023	26/ 4/83	54:30: 0N	5: 0: 0W	138	3	33.882	14.39+-40.0%	826.84+- 0.8%	57.5 10016
5024	26/ 4/83	54:14:18N	4:55:24W	91	3	33.984	ND	627.83+- 0.7%	10017
5024	26/ 4/83	54:14:18N	4:55:24W	91	45	34.063	ND	519.02+- 0.8%	10018
5024	26/ 4/83	54:14:18N	4:55:24W	91	90	34.104	ND	457.22+- 0.9%	10019
5030	27/ 4/83	54:20: 0N	4:42: 0W	35	3	33.858	21.68+-26.8%	960.80+- 0.7%	44.3 10020
5031	27/ 4/83	54:40: 0N	4: 9: 0W	43	3	33.035	133.71+- 4.7%	2949.69+- 0.3%	22.1 10021
5034	27/ 4/83	54:40: 0N	3:52: 0W	33	3	32.795	146.49+- 4.4%	3206.98+- 0.3%	21.9 10022
5068	29/ 4/83	54:20: 6N	3:35: 6W	25	3	32.567	338.53+- 2.1%	6453.64+- 0.2%	19.1 10023

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
5069	29/ 4/83	54:20:36N	39	3	32.614	307.99+- 2.3%	6140.21+- 0.2%	19.9	10024
5070	29/ 4/83	54:20: 0N	36	3	32.647	249.99+- 2.7%	4886.40+- 0.3%	19.5	10025
5100	1/ 5/83	54:22: 0N	23	3	32.375	713.69+- 1.2%	14307.25+- 0.2%	20.0	10026
5133	2/ 5/83	54:24: 0N	20	3	32.346	1125.61+- 0.9%	17508.91+- 0.2%	15.6	10027
5141	3/ 5/83	54:10: 0N	24	3	32.667	216.99+- 3.1%	4333.94+- 0.3%	20.0	10028
5142	3/ 5/83	54:10: 0N	29	3	32.685	106.99+- 5.7%	2507.71+- 0.4%	23.4	10029
5161	4/ 5/83	54:23:48N	19	3	31.878	992.87+- 1.0%	18862.18+- 0.1%	19.0	10030
5173	5/ 5/83	54:42:12N	28	3	32.045	117.90+- 5.3%	2683.27+- 0.3%	22.8	10031
5174	5/ 5/83	54:30: 0N	31	3	32.328	334.73+- 2.1%	6528.53+- 0.2%	19.5	10032
5202	6/ 5/83	53:55: 6N	38	3	31.442	143.97+- 4.4%	3071.21+- 0.3%	21.3	10033
5203	6/ 5/83	53:50: 0N	29	3	31.312	177.54+- 3.6%	3800.35+- 0.3%	21.4	10034
5204	6/ 5/83	53:49:12N	21	3	31.587	239.47+- 2.8%	4617.41+- 0.3%	19.3	10035
5205	6/ 5/83	53:42: 0N	26	3	31.066	188.21+- 2.6%	3842.03+- 0.2%	20.4	10036
5207	6/ 5/83	53:35: 0N	53	3	33.629	22.40+-19.1%	919.32+- 0.5%	41.0	10037
5208	7/ 5/83	53:20: 0N	63	3	33.962	8.11+-52.5%	503.41+- 0.8%	62.1	10038
5209	7/ 5/83	53: 0: 0N	80	3	34.232	5.86+-21.3%	132.46+- 0.9%	22.6	10039
5210	7/ 5/83	52:40: 0N	76	3	34.378	ND	71.78+- 1.1%	10040	
5211	7/ 5/83	52:10: 0N	99	3	34.247	ND	23.33+- 2.9%	10041	
5212	7/ 5/83	52: 0: 0N	107	3	34.129	ND	22.65+- 3.0%	10042	
5213	7/ 5/83	51: 0: 0N	97	3	34.945	ND	14.83+- 8.9%	10043	
5214	7/ 5/83	50:34: 0N	109	3	35.021	ND	11.97+-11.1%	10044	
5216	8/ 5/83	49:20: 0N	103	3	35.105	ND	6.09+-21.4%	10045	
5217	9/ 5/83	49:20: 0N	70	3	34.779	ND	5.58+-23.3%	10046	
5219	9/ 5/83	49:40: 0N	35	3	34.762	ND	33.86+- 4.1%	10047	
5224	9/ 5/83	49:45:12N	66	3	34.784	ND	19.83+- 6.8%	10048	
5225	10/ 5/83	49:49:48N	52	3	34.420	ND	26.22+- 5.2%	10049	
5228	11/ 5/83	51:20: 0N	58	3	34.729	ND	14.07+- 9.5%	10050	
5229	11/ 5/83	52:35: 0N	26	3	33.734	ND	85.08+- 1.8%	10051	

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
Site 38 Cirolana									
7001	1/ 7/83	49:51:36N 5: 0: 0W	88	3	NA	ND	6.95+- 6.4%		10052
7002	1/ 7/83	49:44: 0N 7: 0: 0W	119	3	NA	ND	7.39+- 6.3%		10053
7003	1/ 7/83	50: 7:54N 8:32: 6W	130	3	NA	ND	7.14+- 6.4%		10054
7004	2/ 7/83	50:46:30N 11: 0: 0W	196	3	NA	ND	3.72+-11.7%		10055
7010	2/ 7/83	51:15: 0N 12:52: 0W	1925	3	NA	ND	2.76+-16.6%		10056
7029	6/ 7/83	51:21:12N 19: 0: 0W		3	35.310	ND	2.37+-18.5%		10057
7036	9/ 7/83	51:43: 8N 16: 0: 0W	3688	3	NA	ND	2.38+-18.4%		10058
7044	9/ 7/83	51:41:45N 15: 0: 0W	1043	3	NA	ND	3.13+-14.1%		10059
Site 38 Cirolana									
8002	17/ 8/83	54: 0:42N 0:48:12E	51	3	34.515	ND	152.31+- 0.9%		10060
8004	18/ 8/83	53: 0: 0N 2: 0:48E	35	3	34.134	5.25+-23.2%	173.91+- 0.8%	33.1	10061
8008	18/ 8/83	52:50: 0N 2:58:48E	35	3	34.369	ND	82.08+- 1.0%		10062
8009	18/ 8/83	52:45:12N 3:30:36E	33	3	34.557	ND	20.71+- 3.5%		10063
8011	18/ 8/83	52:32: 0N 4:10:12E	24	3	32.381	ND	19.76+- 3.3%		10064
8016	19/ 8/83	53:44:30N 5:18:30E	31	3	33.266	ND	18.09+- 3.6%		10065
8020	19/ 8/83	53:50:36N 4: 0: 0E	41	3	34.036	ND	29.39+- 2.2%		10066
8025	20/ 8/83	54:36:18N 2:35: 0E	19	3	34.881	ND	110.92+- 1.0%		10067
8026	20/ 8/83	54:40:30N 1:53:30E	24	3	34.815	ND	129.81+- 0.9%		10068
8027	20/ 8/83	54:52:12N 1:16:24E	39	3	34.783	3.33+-46.7%	133.83+- 1.2%	40.2	10069
8033	21/ 8/83	54:58:48N 0:21:12W	81	3	34.409	3.23+-49.2%	158.19+- 1.1%	49.0	10070
8034	21/ 8/83	54:57: 0N 1: 9: 0W	58	3	34.314	4.99+-32.0%	164.35+- 1.0%	33.0	10071
8040	21/ 8/83	55:40: 0N 1:33: 0W	48	3	34.446	3.56+-43.8%	164.53+- 1.0%	46.3	10072
8044	22/ 8/83	55:51:36N 0: 2:42E	165	3	34.518	4.07+-39.1%	159.51+- 1.1%	39.2	10073
8050	22/ 8/83	56: 0: 0N 1:52: 0E		3	34.641	ND	148.72+- 0.8%		10074
8058	23/ 8/83	55:42:30N 3:30:42E	53	3	34.738	ND	147.74+- 0.8%		10075
8061	23/ 8/83	55: 8:30N 5: 0: 0E	40	3	33.650	2.43+-44.7%	100.22+- 1.1%	41.3	10076

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
8064	24/ 8/83	54:37: 6N	41	3	31.743	ND	40.92+- 1.7%		10077
8065	24/ 8/83	55: 7:42N	41	3	31.418	ND	30.53+- 2.2%		10078
8068	24/ 8/83	55:39: 0N	38	3	32.275	2.96+-37.4%	74.10+- 1.5%	25.0	10079
8070	26/ 8/83	55:24: 0N	21	3	31.580	ND	32.17+- 4.1%		10080
8076	27/ 8/83	56:24:24N	36	3	32.376	ND	71.78+- 1.6%		10081
8078	27/ 8/83	56:37:30N	46	3	32.529	ND	78.10+- 1.3%		10082
8078	27/ 8/83	56:37:30N	46	41	34.395	3.96+-39.2%	127.43+- 1.3%	32.2	10083
8083	27/ 8/83	57: 1:48N	61	3	33.242	ND	70.22+- 1.5%		10084
8083	27/ 8/83	57: 1:48N	61	56	34.907	3.08+-50.2%	96.12+- 1.6%	31.2	10085
8087	28/ 8/83	57:27: 0N	70	3	34.562	ND	90.56+- 1.7%		10086
8087	28/ 8/83	57:27: 0N	70	65	34.885	ND	115.64+- 1.4%		10087
8088	28/ 8/83	57:17:36N	85	3	34.347	3.72+-41.6%	82.19+- 1.9%	22.1	10088
8093	28/ 8/83	57: 7: 0N	95	3	34.321	3.03+-51.0%	102.17+- 1.5%	33.7	10089
8093	28/ 8/83	57: 7: 0N	95	90	34.779	2.91+-53.1%	130.36+- 1.2%	44.8	10090
8101	29/ 8/83	57: 0:12N	83	3	34.810	3.97+-39.8%	154.22+- 1.1%	38.9	10091
8101	29/ 8/83	57: 0:12N	83	78	34.799	2.94+-52.4%	154.54+- 1.1%	52.5	10092
8105	30/ 8/83	56:22: 6N	47	3	34.732	7.69+-28.9%	157.99+- 1.5%	20.5	10093
8106	30/ 8/83	56:34:48N	80	3	34.846	7.71+-28.3%	146.73+- 1.6%	19.0	10094
8113	31/ 8/83	57:33: 0N	93	3	35.046	5.71+-37.9%	119.50+- 1.9%	20.9	10095
8114	31/ 8/83	57:54: 0N	107	3	35.143	ND	55.11+- 2.6%		10096
8119	31/ 8/83	58: 9:12N	77	3	34.781	11.26+-19.5%	169.77+- 1.4%	15.1	10097
8122	1/ 9/83	58:17:42N	55	3	34.762	9.13+-23.9%	172.82+- 1.4%	18.9	10098
8126	1/ 9/83	58:52:30N	83	3	34.823	8.91+-24.5%	161.05+- 1.5%	18.1	10099
8127	1/ 9/83	59: 5:12N	82	3	34.846	6.69+-32.5%	152.45+- 1.5%	22.8	10100
8130	1/ 9/83	59:16:12N	98	3	35.060	6.80+-32.6%	86.47+- 2.6%	12.7	10101
8131	1/ 9/83	59:29: 0N	98	3	35.201	ND	32.25+- 4.1%		10102
8135	2/ 9/83	60: 0:12N	160	3	35.241	ND	19.67+- 6.6%		10103
8138	2/ 9/83	60:51:12N	120	3	35.239	ND	30.40+- 4.3%		10104
8143	3/ 9/83	61: 7:18N	160	3	35.306	ND	7.62+-16.1%		10105
8144	3/ 9/83	61:11:54N	169	3	35.266	ND	12.55+- 9.9%		10106

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
8145	3/ 9/83	61:14:30N	172	3	35.293	ND	3.33+-37.1%		10107
8150	4/ 9/83	60:30:12N	145	3	35.207	ND	9.81+-12.6%		10108
8153	4/ 9/83	60:15:36N	114	3	35.048	ND	10.13+- 6.1%		10109
8160	5/ 9/83	60:35:54N	207	3	35.190	ND	2.78+-21.7%		10110
8163	5/ 9/83	59:30: 0N	133	3	34.470	ND	17.51+- 3.7%		10111
8165	6/ 9/83	59:17:12N	129	3	35.031	ND	24.86+- 2.6%		10112
8167	7/ 9/83	59:12:18N	125	3	35.196	ND	23.72+- 2.8%		10113
8168	7/ 9/83	59:11:42N	145	3	35.280	ND	16.67+- 7.6%		10114
8173	8/ 9/83	58:24:54N	153	3	35.111	ND	67.79+- 1.1%		10115
8176	8/ 9/83	58:14:48N	85	3	34.953	ND	101.10+- 0.8%		10116
8182	9/ 9/83	57:56:18N	81	3	34.933	4.48+-35.0%	96.39+- 1.6%	21.5	10117
8183	9/ 9/83	58:31:30N	157	3	33.457	ND	55.74+- 1.3%		10118
8190	10/ 9/83	57:41:24N	90	3	33.458	NA	NA		10119
8191	10/ 9/83	57: 5:18N	57	3	33.927	2.26+-48.9%	76.22+- 1.4%	33.7	10120
8200	11/ 9/83	55:34:42N	49	3	34.218	5.26+-30.1%	115.80+- 1.4%	22.0	10121
8203	11/ 9/83	54:49:48N	48	3	34.336	4.69+-34.4%	128.44+- 1.3%	27.4	10122
8208	12/ 9/83	53:25:24N	33	3	34.280	4.84+-33.3%	171.92+- 1.0%	35.5	10123
8213	12/ 9/83	54: 0: 0N	72	3	34.586	7.52+-21.2%	137.84+- 1.2%	18.3	10124
Site 38 Cirolana									
9001	28/ 9/83	54: 0: 0N	45	3	34.316	3.79+-30.4%	166.53+- 0.7%	43.9	10125
9001	28/ 9/83	54: 0: 0N	45	40	34.303	4.19+-28.1%	163.29+- 0.7%	39.0	10126
9002	28/ 9/83	54:30: 0N	19	3	34.458	3.48+-33.1%	159.50+- 0.7%	45.8	10127
9003	28/ 9/83	55: 0: 9N	25	3	34.618	2.27+-50.6%	155.02+- 0.8%	68.4	10128
9003	28/ 9/83	55: 0: 9N	25	22	34.620	3.34+-34.5%	153.36+- 0.8%	45.9	10129
9004	29/ 9/83	55:30: 0N	31	3	34.680	2.50+-46.0%	158.24+- 0.7%	63.2	10130
9005	29/ 9/83	55:59:54N	43	3	34.303	2.49+-45.3%	122.95+- 0.9%	49.4	10131
9005	29/ 9/83	55:59:54N	43	40	34.296	3.05+-37.0%	120.25+- 0.9%	39.4	10132
9006	29/ 9/83	56:30: 0N	41	3	33.895	1.89+-60.6%	103.46+- 1.1%	54.6	10133

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9007	29/ 9/83	56:59:42N 7: 0:45E	36	3	34.038	ND	100.04+- 0.8%		10134
9007	29/ 9/83	56:59:42N 7: 0:45E	36	30	34.433	4.41+-51.4%	101.81+- 2.2%	23.1	10135
9008	29/ 9/83	57: 0: 0N 8: 0: 0E	29	3	33.265	3.24+-35.6%	85.83+- 1.3%	26.5	10136
9009	29/ 9/83	57:29:54N 8:59:30E	26	3	33.101	ND	78.92+- 0.9%		10137
9009	29/ 9/83	57:29:54N 8:59:30E	26	19	33.552	3.25+-36.9%	82.17+- 1.4%	25.3	10138
9010	30/ 9/83	57:40: 0N 9:45: 0E	55	3	30.969	ND	30.07+- 2.1%		10139
9011	30/ 9/83	57:50: 3N 10:29: 0E	97	3	31.764	ND	56.61+- 1.2%		10140
9011	30/ 9/83	57:50: 3N 10:29: 0E	97	50	33.438	ND	85.84+- 1.0%		10141
9011	30/ 9/83	57:50: 3N 10:29: 0E	97	92	34.917	5.32+-29.1%	78.31+- 1.9%	14.7	10142
9012	30/ 9/83	57:34: 6N 10:44: 0E	27	3	31.667	ND	52.28+- 1.7%		10143
9012	30/ 9/83	57:34: 6N 10:44: 0E	27	22	31.673	ND	49.54+- 1.8%		10144
9013	30/ 9/83	57: 0: 9N 10:52: 0E	12	3	26.271	ND	55.12+- 2.5%		10145
9013	30/ 9/83	57: 0: 9N 10:52: 0E	12	6	26.605	ND	54.56+- 1.8%		10146
9014	30/ 9/83	56:30:21N 11:10:12E	18	3	22.551	ND	47.66+- 1.4%		10147
9014	30/ 9/83	56:30:21N 11:10:12E	18	13	23.499	ND	46.68+- 1.5%		10148
9015	30/ 9/83	56:16:54N 11: 5:51E	26	3	22.431	ND	45.81+- 1.5%		10149
9015	30/ 9/83	56:16:54N 11: 5:51E	26	23	30.662	ND	63.49+- 1.1%		10150
9016	30/ 9/83	56:18: 0N 12: 4:21E	32	3	22.419	ND	47.40+- 1.4%		10151
9016	30/ 9/83	56:18: 0N 12: 4:21E	32	28	32.286	ND	70.58+- 1.0%		10152
9017	30/ 9/83	56:29:54N 11:59:39E	31	3	23.309	ND	46.95+- 1.5%		10153
9017	30/ 9/83	56:29:54N 11:59:39E	31	30	31.038	ND	65.42+- 1.1%		10154
9018	30/ 9/83	57: 2:48N 11:45:39E	57	3	25.728	ND	52.08+- 1.3%		10155
9018	30/ 9/83	57: 2:48N 11:45:39E	57	50	32.519	ND	70.22+- 1.0%		10156
9019	1/10/83	57:29:42N 11:25:12E	51	3	28.994	ND	60.66+- 1.2%		10157
9019	1/10/83	57:29:42N 11:25:12E	51	45	32.972	ND	69.04+- 1.0%		10158
9020	1/10/83	57:59:27N 11: 0: 0E	134	3	31.372	ND	58.46+- 1.2%		10159
9020	1/10/83	57:59:27N 11: 0: 0E	134	50	33.061	ND	82.52+- 0.9%		10160
9020	1/10/83	57:59:27N 11: 0: 0E	134	125	35.166	ND	37.37+- 1.8%		10161
9021	1/10/83	58:31:24N 10:38:36E	161	3	32.386	ND	58.88+- 1.2%		10162
9021	1/10/83	58:31:24N 10:38:36E	161	150	35.151	ND	38.52+- 3.5%		10163

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	depth (m)	concentration (Bq m^{-3})		
9022	1/10/83	58:30:36N 10:20:18E	315	3	32.268	ND	65.32+-1.1%	10164			
9022	1/10/83	58:30:36N 10:20:18E	315	50	35.184	ND	34.92+-1.9%	10167			
9022	1/10/83	58:30:36N 10:20:18E	315	100	35.088	ND	63.13+-1.1%	10166			
9022	1/10/83	58:30:36N 10:20:18E	315	295	34.839	2.87+-44.8%	97.52+-1.2%	34.0	10165		
9023	1/10/83	58:29:48N 10:0:15E	545	3	32.753	ND	69.65+-1.0%	10168			
9023	1/10/83	58:29:48N 10:0:15E	545	100	35.017	5.35+-23.4%	83.88+-1.4%	15.7	10169		
9023	1/10/83	58:29:48N 10:0:15E	545	510	35.094	ND	43.34+-1.6%	10170			
9024	1/10/83	58:23:30N 9:0:3E	249	3	30.678	ND	66.21+-1.1%	10171			
9024	1/10/83	58:23:30N 9:0:3E	249	50	33.745	2.85+-40.7%	96.30+-1.1%	33.8	10172		
9024	1/10/83	58:23:30N 9:0:3E	249	100	34.981	ND	72.59+-1.0%	10173			
9024	1/10/83	58:23:30N 9:0:3E	249	230	35.165	ND	34.69+-2.0%	10174			
9025	1/10/83	57:59:48N 9:0:0E	550	3	31.970	ND	71.45+-1.0%	10175			
9025	1/10/83	57:59:48N 9:0:0E	550	50	35.024	ND	68.53+-1.1%	10176			
9025	1/10/83	57:59:48N 9:0:0E	550	100	35.135	ND	49.50+-1.4%	10177			
9025	1/10/83	57:59:48N 9:0:0E	550	540	35.106	ND	44.15+-1.6%	10178			
9026	1/10/83	57:54:9N 7:59:24E	534	3	31.461	ND	70.62+-1.0%	10179			
9026	1/10/83	57:54:9N 7:59:24E	534	50	34.303	3.11+-38.8%	101.52+-1.1%	32.6	10180		
9026	1/10/83	57:54:9N 7:59:24E	534	100	35.034	ND	56.66+-2.5%	10181			
9026	1/10/83	57:54:9N 7:59:24E	534	524	35.111	ND	43.34+-3.3%	10182			
9027	2/10/83	57:30:15N 8:0:9E	155	3	32.785	ND	61.61+-2.3%	10183			
9027	2/10/83	57:30:15N 8:0:9E	155	50	35.190	ND	23.30+-5.5%	10184			
9027	2/10/83	57:30:15N 8:0:9E	155	100	35.267	ND	16.08+-8.0%	10185			
9027	2/10/83	57:30:15N 8:0:9E	155	145	35.251	ND	20.64+-6.3%	10186			
9028	2/10/83	57:30:6N 7:0:57E	195	3	32.143	ND	63.09+-2.3%	10187			
9028	2/10/83	57:30:6N 7:0:57E	195	50	35.281	ND	8.95+-4.9%	10188			
9028	2/10/83	57:30:6N 7:0:57E	195	100	35.289	ND	11.97+-10.3%	10189			
9028	2/10/83	57:30:6N 7:0:57E	195	190	35.275	ND	12.41+-10.4%	10190			
9029	2/10/83	57:29:54N 6:0:0E	77	3	34.081	ND	50.65+-2.8%	10191			
9030	2/10/83	57:30:0N 4:59:54E	85	3	34.600	ND	87.00+-1.7%	10192			
9030	2/10/83	57:30:0N 4:59:54E	85	50	34.973	7.00+-32.7%	99.44+-2.2%	14.2	10193		

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9030	2/10/83	57:30: 0N	85	80	35.060	ND	79.60+- 1.9%		10194
9031	2/10/83	57: 0:15N	55	3	34.552	ND	99.89+- 1.5%		10195
9031	2/10/83	57: 0:15N	88	50	34.927	ND	104.89+- 1.5%		10196
9032	2/10/83	57: 0: 0E	56	3	34.697	ND	104.11+- 1.5%		10197
9033	2/10/83	56:59:57N	65	3	34.707	ND	106.69+- 1.5%		10198
9033	2/10/83	56:59:57N	65	59	35.039	NA	NA		10199
9034	2/10/83	57: 0:18N	89	3	34.812	4.44+-52.0%	129.57+- 1.8%	29.2	10200
9035	3/10/83	57: 0: 6N	88	3	35.060	5.20+-44.3%	85.79+- 2.6%	16.5	10201
9035	3/10/83	57: 0: 6N	88	50	35.027	ND	89.41+- 1.7%		10202
9035	3/10/83	57: 0: 6N	88	82	34.909	5.22+-44.1%	115.66+- 2.0%	22.2	10203
9036	3/10/83	57: 0: 0E	80	3	34.936	ND	113.01+- 1.4%		10204
9037	3/10/83	56:59:54N	69	3	34.825	8.49+-27.1%	153.21+- 1.5%	18.0	10205
9037	3/10/83	56:59:54N	69	65	34.839	11.78+-20.1%	151.22+- 1.6%	12.8	10206
9038	3/10/83	56:59:54N	63	3	34.672	9.65+-23.9%	161.97+- 1.5%	16.8	10207
9038	3/10/83	56:59:54N	63	56	34.728	13.27+-18.6%	157.61+- 1.6%	11.9	10208
9039	3/10/83	57:29:42N	83	3	34.843	8.59+-26.8%	139.11+- 1.7%	16.2	10209
9040	3/10/83	58: 0: 0N	125	3	35.234	ND	35.24+- 3.8%		10210
9040	3/10/83	58: 0: 0N	125	50	35.247	ND	29.86+- 4.4%		10211
9040	3/10/83	58: 0: 0N	125	100	35.262	ND	21.01+- 6.1%		10212
9040	3/10/83	58: 0: 0N	125	120	35.260	ND	21.74+- 6.1%		10213
9041	3/10/83	58: 0: 0N	113	3	35.073	6.35+-36.0%	93.02+- 2.4%	14.6	10214
9042	3/10/83	58: 0: 3N	88	3	34.957	6.09+-37.7%	124.78+- 1.8%	20.5	10215
9042	3/10/83	58: 0: 3N	88	50	35.041	5.30+-43.2%	97.71+- 2.3%	18.4	10216
9042	3/10/83	58: 0: 3N	88	82	35.075	5.35+-42.8%	82.33+- 2.7%	15.4	10217
9043	4/10/83	58: 0: 0N	43	3	34.734	5.33+-43.3%	176.15+- 1.4%	33.0	10218
9044	4/10/83	58: 0: 9N	43	3	34.666	7.96+-28.9%	168.38+- 1.4%	21.2	10219
9044	4/10/83	58: 0: 9N	43	38	34.768	7.16+-32.7%	176.08+- 1.4%	24.6	10220
9045	4/10/83	58:30: 0N	72	3	34.895	9.35+-24.7%	148.48+- 1.6%	15.9	10221
9046	4/10/83	58:59:54N	82	3	34.880	5.90+-38.8%	147.03+- 1.6%	24.9	10222
9046	4/10/83	58:59:54N	82	50	34.993	5.63+-40.7%	118.95+- 1.9%	21.1	10223

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9046	4/10/83	58:59:54N	82	77	35.023	8.18+-27.9%	106.86+- 2.1%	13.1	10224
9047	4/10/83	59: 0: 0N	75	3	34.984	3.73+-32.3%	124.18+- 0.9%	33.3	10225
9048	4/10/83	59: 0: 0N	121	3	35.180	ND	50.91+- 1.4%		10226
9048	4/10/83	59: 0: 0N	121	50	35.295	ND	17.08+- 3.7%		10227
9048	4/10/83	59: 0: 0N	121	100	35.290	ND	19.62+- 3.3%		10228
9048	4/10/83	59: 0: 0N	121	118	35.288	ND	19.56+- 3.5%		10229
9049	4/10/83	59: 0: 0N	129	3	35.268	ND	13.69+- 9.2%		10230
9050	4/10/83	59:30:12N	138	3	35.226	ND	9.09+- 6.9%		10231
9050	4/10/83	59:30:12N	138	45	35.235	ND	7.91+- 7.9%		10232
9050	4/10/83	59:30:12N	138	100	35.248	ND	26.21+- 2.5%		10233
9050	4/10/83	59:30:12N	138	131	35.276	ND	29.39+- 2.4%		10234
9051	4/10/83	59:30:48N	125	3	35.233	ND	34.41+- 2.0%		10235
9052	4/10/83	59:29:33N	85	3	35.117	ND	73.67+- 1.0%		10236
9052	4/10/83	59:29:33N	85	67	35.129	ND	70.92+- 1.0%		10237
9053	5/10/83	60: 0: 0N	83	3	35.180	ND	51.60+- 1.4%		10238
9054	5/10/83	60:30: 3N	126	3	35.151	ND	58.00+- 1.2%		10239
9054	5/10/83	60:30: 3N	126	50	35.249	ND	42.91+- 1.6%		10240
9054	5/10/83	60:30: 3N	267	120	35.292	ND	28.51+- 2.3%		10241
9055	5/10/83	61: 0: 0N	2	3	35.302	ND	12.38+- 5.0%		10242
9056	5/10/83	61: 0: 0N	123	3	35.293	ND	34.77+- 1.9%		10243
9057	5/10/83	61:30: 0N	212	3	35.341	ND	10.37+- 6.0%		10244
9058	5/10/83	61:30: 0N	655	3	35.135	ND	3.49+-12.6%		10245
9059	5/10/83	61:30:45N	1460	3	35.022	ND	2.84+-15.5%		10246
9059	5/10/83	61:30:45N	1460	50	34.960	ND	1.80+-50.2%		10247
9059	5/10/83	61:30:45N	1460	100	35.227	ND	2.24+-19.5%		10248
9059	5/10/83	61:30:45N	1460	500	34.907	ND	1.43+-31.2%		10249
9060	5/10/83	61: 0: 0N	577	3	35.065	ND	1.75+-25.0%		10250
9061	6/10/83	60:30:24N	205	3	35.302	ND	21.26+- 2.3%		10251
9061	6/10/83	60:30:24N	205	50	35.302	ND	20.10+- 2.4%		10252
9061	6/10/83	60:30:24N	205	100	35.393	ND	9.57+- 4.9%		10253

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9061	6/10/83	60:30:24N	205	197	35.410	ND	5.33+- 9.0%		10254
9062	6/10/83	60:30: 0N	542	3	35.300	ND	17.68+- 3.7%		10255
9063	6/10/83	60: 0:12N	129	3	35.222	ND	45.23+- 1.6%		10256
9063	6/10/83	60: 0:12N	129	50	35.263	ND	37.23+- 1.9%		10257
9063	6/10/83	60: 0:12N	129	100	35.310	ND	29.05+- 2.3%		10258
9063	6/10/83	60: 0:12N	129	122	35.325	ND	25.17+- 2.7%		10259
9064	6/10/83	60: 0: 0N	103	3	35.144	3.53+-34.1%	75.14+- 1.5%	21.3	10260
9065	6/10/83	59:30: 0N	73	3	34.884	7.07+-17.1%	162.94+- 0.7%	23.0	10261
9065	6/10/83	59:30: 0N	73	50	34.823	7.58+-15.7%	167.68+- 0.7%	22.1	10262
9065	6/10/83	59:30: 0N	73	62	34.854	4.71+-26.6%	164.24+- 0.8%	34.9	10263
9066	6/10/83	59:30: 0N	139	3	34.963	4.70+-25.4%	104.38+- 1.1%	22.2	10264
9067	6/10/83	59: 0: 0N	74	3	34.772	8.48+-14.2%	172.88+- 0.7%	20.4	10265
9067	6/10/83	59: 0: 0N	74	50	34.816	6.70+-17.9%	162.30+- 0.7%	24.2	10266
9067	6/10/83	59: 0: 0N	74	65	34.818	8.08+-14.9%	160.24+- 0.7%	19.8	10267
9068	6/10/83	59: 0:12N	108	3	34.725	5.18+-45.2%	186.11+- 1.3%	35.9	10268
9068	6/10/83	59: 0:12N	108	50	34.734	7.24+-17.0%	179.39+- 0.7%	24.8	10269
9068	6/10/83	59: 0:12N	108	95	34.774	7.92+-17.2%	183.99+- 0.7%	23.2	10270
9069	6/10/83	58:41:48N	105	3	34.641	8.09+-29.2%	208.74+- 1.2%	25.8	10271
9070	6/10/83	58:40: 0N	86	3	34.502	6.65+-35.4%	258.27+- 1.0%	38.9	10272
9071	7/10/83	58:40:57N	71	3	34.378	9.01+-26.2%	277.52+- 0.9%	30.8	10273
9071	7/10/83	58:40:57N	71	59	34.365	11.68+-14.8%	273.59+- 0.7%	23.4	10274
9072	7/10/83	58: 0: 3N	5:55: 0W	3	34.478	8.22+-27.6%	263.55+- 0.9%	32.1	10275
9072	7/10/83	58: 0: 3N	5:55: 0W	80	34.488	11.03+-15.3%	260.81+- 0.7%	23.6	10276
9072	7/10/83	58: 0: 3N	5:55: 0W	68	34.490	11.46+-14.8%	268.57+- 0.7%	23.4	10277
9073	7/10/83	58:30: 6N	95	3	34.711	9.24+-25.6%	186.60+- 1.3%	20.2	10278
9073	7/10/83	58:30: 6N	95	50	34.752	6.65+-25.2%	178.79+- 1.0%	26.9	10279
9073	7/10/83	58:30: 6N	95	85	34.773	6.07+-27.3%	177.42+- 0.9%	29.2	10280
9074	7/10/83	59: 0: 0N	83	3	34.920	3.58+-46.5%	124.10+- 1.3%	34.7	10281
9075	7/10/83	59: 0: 0N	77	3	34.754	7.18+-23.4%	173.77+- 1.0%	24.2	10282
9076	7/10/83	59:30: 6N	146	3	34.919	5.63+-29.7%	112.86+- 1.4%	20.1	10283

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m^{-3})	concentration (Bq m^{-3})	concentration (Bq m^{-3})		
9076	7/10/83	59:30: 6N	146	50	35.012		3.95+-42.1%	103.72+- 1.5%	26.2	10284	
9076	7/10/83	59:30: 6N	146	100	35.207		ND	58.67+- 1.7%		10285	
9076	7/10/83	59:30: 6N	146	135	35.254		ND	48.22+- 1.5%		10286	
9077	7/10/83	59:30: 6N	139	3	35.055		2.83+-41.8%	88.43+- 1.2%	31.3	10287	
9077	7/10/83	59:30: 6N	139	50	35.090		3.26+-36.2%	76.85+- 1.4%	23.6	10288	
9077	7/10/83	59:30: 6N	139	122	35.320		ND	23.99+- 2.7%		10289	
9078	8/10/83	60: 0: 0N	1050	3	35.333		ND	5.61+-10.9%		10290	
9079	8/10/83	60: 0: 6N	440	3	35.237		ND	3.28+-18.4%		10291	
9080	8/10/83	60:29:51N	1010	3	35.196		ND	3.80+-16.0%		10292	
9080	8/10/83	60:29:51N	1010	50	35.233		ND	2.85+-21.3%		10293	
9080	8/10/83	60:29:51N	1010	100	35.275		ND	3.48+-17.8%		10294	
9080	8/10/83	60:29:51N	1010	500	34.892		ND	3.90+-15.6%		10295	
9080	8/10/83	60:29:51N	1010	1000	34.907		ND	ND		10296	
9081	8/10/83	61: 0: 0N	835	3	34.898		ND	3.16+-13.9%		10297	
9082	8/10/83	61:30: 3N	237	3	35.091		ND	3.10+-14.1%		10298	
9082	8/10/83	61:30: 3N	237	50	35.104		ND	2.30+-18.8%		10299	
9082	8/10/83	61:30: 3N	237	100	35.135		ND	2.53+-17.3%		10300	
9082	8/10/83	61:30: 3N	237	229	35.204		ND	2.23+-22.7%		10301	
9083	8/10/83	61:30: 0N	160	3	35.157		ND	3.11+-14.1%		10302	
9084	8/10/83	61: 0: 0N	275	3	35.095		ND	3.11+-14.1%		10303	
9084	8/10/83	61: 0: 0N	275	50	35.084		ND	3.02+-14.5%		10304	
9084	8/10/83	61: 0: 0N	275	100	35.124		ND	3.37+-13.0%		10305	
9084	8/10/83	61: 0: 0N	275	260	35.225		ND	2.50+-18.5%		10306	
9085	8/10/83	61: 0: 0N	247	3	35.225		ND	3.25+-13.5%		10307	
9086	9/10/83	61:29:33N	189	3	35.245		ND	2.72+-16.0%		10308	
9086	9/10/83	61:29:33N	189	50	35.249		ND	2.49+-17.5%		10309	
9086	9/10/83	61:29:33N	189	100	35.277		ND	2.47+-17.6%		10310	
9086	9/10/83	61:29:33N	189	162	35.270		ND	3.16+-14.7%		10311	
9087	9/10/83	61:30: 9N	204	3	35.257		ND	3.37+-13.0%		10312	
9087	9/10/83	61:30: 9N	204	50	35.242		ND	3.19+-13.7%		10313	

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9087	9/10/83	61:30: 9N	204	100	35.263	ND	3.56+-12.3%		10314
9087	9/10/83	61:30: 9N	204	192	35.283	ND	2.10+-22.7%		10315
9088	9/10/87	61: 0: 0N	93	3	35.257	NA	NA		10316
9089	9/10/83	60:29:33N	915	3	35.326	ND	3.51+-24.6%		10317
9089	9/10/83	60:29:33N	915	50	35.320	ND	2.65+-16.3%		10318
9089	9/10/83	60:29:33N	915	100	35.352	ND	1.77+-24.6%		10319
9089	9/10/83	60:29:33N	915	500	35.125	ND	2.51+-18.6%		10320
9090	9/10/83	60: 0: 0N	695	3	35.272	ND	2.69+-16.2%		10321
9091	9/10/83	59:32: 0N	1410	3	35.315	ND	2.40+-18.2%		10322
9092	9/10/83	60: 0: 0N	445	3	35.313	ND	2.96+-14.8%		10324
9093	10/10/83	59:30: 0N	1055	3	35.323	ND	3.35+-13.1%		10325
9094	10/10/83	59: 0: 30N	72	3	35.278	ND	21.17+- 4.4%		10326
9095	10/10/83	59: 6: 6N	1395	3	35.322	ND	3.08+-28.6%		10327
9096	10/10/83	58:59:54N	1065	3	35.319	ND	2.99+-14.6%		10328
9097	10/10/83	58:30:30N	1935	3	35.325	ND	2.23+-19.5%		10329
9097	10/10/83	58:30:30N	1935	50	35.322	ND	2.91+-14.9%		10330
9097	10/10/83	58:30:30N	1935	100	35.398	ND	2.12+-20.1%		10331
9097	10/10/83	58:30:30N	1935	150	35.412	ND	2.46+-17.7%		10332
9097	10/10/83	58:30:30N	1935	500	35.349	ND	2.12+-20.5%		10333
9097	10/10/83	58:30:30N	1935	1000	35.210	ND	1.88+-23.5%		10334
9097	10/10/83	58:30:30N	1935	1600	35.019	NA	NA		10335
9098	10/10/83	58:30: 0N	620	3	35.345	ND	2.69+-16.0%		10336
9099	10/10/83	58: 0: 9N	173	3	35.367	ND	3.14+-13.9%		10337
9099	10/10/83	58: 0: 9N	173	50	35.358	ND	1.95+-45.1%		10338
9099	10/10/83	58: 0: 9N	173	100	35.442	ND	1.29+-34.6%		10339
9099	10/10/83	58: 0: 9N	173	160	35.424	ND	4.15+-13.6%		10340
9100	11/10/83	58:29:57N	157	3	35.270	ND	21.68+- 3.0%		10341
9100	11/10/83	58:29:57N	157	50	35.285	ND	21.97+- 3.0%		10342
9100	11/10/83	58:29:57N	157	100	35.402	ND	6.12+-10.1%		10343
9100	11/10/83	58:29:57N	157	142	35.396	ND	7.11+- 9.7%		10344

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		Ratio	Sample no.
						depth (m)	Concentration (Bq m^{-3})		
9101	11/10/83	58:29:48N 6:59:54W	71	3	34.854	5.10+-24.3%	147.83+-0.8%	29.0	10345
9102	11/10/83	58:0:0N 8:0:0W	105	3	35.147	ND	51.37+-1.4%		10346
9103	11/10/83	57:27:18N 7:36:42W	41	3	34.590	6.21+-20.1%	214.13+-0.6%	34.5	10347
9104	11/10/83	57:30:6N 8:0:0W	80	3	35.127	ND	52.03+-1.3%		10348
9105	11/10/83	57:30:0N 8:59:18W	138	3	35.390	ND	16.44+-3.9%		10349
9105	11/10/83	57:30:0N 8:59:18W	138	50	35.311	ND	17.06+-3.7%		10350
9105	11/10/83	57:30:0N 8:59:18W	138	124	35.409	ND	5.93+-10.4%		10351
9106	11/10/83	57:30:6N 10:0:0W	1950	3	35.354	ND	3.64+-12.0%		10352
9107	11/10/83	57:30:0N 10:29:54W	2205	3	35.344	ND	2.71+-16.1%		10353
9107	11/10/83	57:30:0N 10:29:54W	2205	50	35.426	ND	3.65+-12.0%		10354
9107	11/10/83	57:30:0N 10:29:54W	2205	100	35.339	ND	3.40+-13.0%		10355
9107	11/10/83	57:30:0N 10:29:54W	2205	350	35.400	ND	3.13+-15.5%		10356
9108	12/10/83	57:0:0N 10:30:6W	2265	3	35.347	ND	1.47+-29.6%		10357
9109	12/10/83	56:30:0N 11:0:0W	2460	3	35.369	ND	2.76+-15.8%		10358
9110	12/10/83	56:29:39N 10:2:6W	1655	3	35.369	ND	2.18+-20.0%		10359
9110	12/10/83	56:29:39N 10:2:6W	1655	50	35.365	ND	2.78+-15.7%		10360
9110	12/10/83	56:29:39N 10:2:6W	1655	100	35.363	ND	3.33+-13.1%		10361
9110	12/10/83	56:29:39N 10:2:6W	1655	150	35.409	ND	2.05+-21.4%		10362
9110	12/10/83	56:29:39N 10:2:6W	1655	500	35.352	ND	1.50+-29.2%		10363
9110	12/10/83	56:29:39N 10:2:6W	1655	1000	35.138	ND	ND		10364
9110	12/10/83	56:29:39N 10:2:6W	1655	1500	34.988	ND	ND		10365
9111	12/10/83	56:30:0N 9:0:0W	165	3	35.373	ND	2.44+-18.0%		10366
9112	12/10/83	56:30:0N 8:0:18W	155	3	35.228	ND	11.18+-11.0%		10367
9113	12/10/83	57:0:0N 8:0:18W	125	3	35.162	ND	15.62+-8.0%		10368
9114	13/10/83	56:40:0N 7:29:42W	205	3	34.850	4.12+-26.8%	126.34+-0.8%	30.7	10369
9115	13/10/83	57:0:0N 7:0:0W	130	3	34.994	ND	71.48+-2.0%		10370
9116	13/10/83	56:30:0N 7:27:30W	130	3	35.166	ND	9.22+-6.8%		10371
9117	13/10/83	56:0:0N 7:46:30W	164	3	35.293	ND	5.02+-12.3%		10372
9118	13/10/83	55:35:30N 7:57:24W	77	3	35.119	ND	5.96+-10.4%		10373
9119	14/10/83	55:28:6N 7:0:0W	50	3	34.867	ND	9.10+-13.6%		10374

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9120	14/10/83	55:15:24N	149	3	34.078	28.95+-	563.26+-	0.6%	10375
9121	14/10/83	55: 0: 0N	99	3	34.081	25.67+-	547.28+-	0.6%	10376
9122	14/10/83	55:25:33N	83	3	33.948	24.54+-	595.53+-	0.5%	10378
9122	14/10/83	55:25:33N	83	50	33.954	24.08+-	586.84+-	0.5%	10379
9122	14/10/83	55:25:33N	83	68	33.954	25.13+-	572.09+-	0.6%	10380
9123	14/10/83	54:59:45N	141	3	33.842	37.64+-	784.18+-	0.5%	10381
9123	14/10/83	54:59:45N	141	50	33.843	33.18+-	783.92+-	0.5%	10382
9123	14/10/83	54:59:45N	141	100	33.858	32.94+-	761.90+-	0.2%	10384
9123	14/10/83	54:59:45N	141	136	33.857	31.92+-	775.36+-	0.5%	10383
9124	14/10/83	54:50: 0N	159	3	33.815	39.64+-	909.12+-	0.2%	10385
9125	14/10/83	54:40: 0N	143	3	33.871	35.10+-	824.34+-	0.2%	10386
9126	14/10/83	54:20: 0N	73	3	33.811	36.18+-	873.87+-	0.2%	10387
9127	14/10/83	54: 0: 0N	76	3	33.827	32.73+-	847.89+-	0.2%	10388
9128	15/10/83	53:40: 0N	68	3	33.952	18.39+-	540.64+-	0.2%	10389
9129	15/10/83	53:20: 0N	93	3	34.092	9.43+-	322.24+-	0.3%	10390
9130	15/10/83	53: 0: 0N	103	3	34.275	3.76+-	184.80+-	0.6%	10391
9131	15/10/83	52:39:48N	92	3	34.489	2.02+-	111.48+-	0.7%	10392
9132	15/10/83	52:23:18N	81	3	34.927	ND	16.46+-	2.8%	10393
9133	15/10/83	52:26:12N	77	3	34.665	ND	42.90+-	1.2%	10394
9134	16/10/83	52:37: 0N	55	3	34.530	ND	76.63+-	2.0%	10395
9135	16/10/83	52: 0: 0N	93	3	34.977	ND	19.72+-	6.7%	10396
9136	16/10/83	51:30: 0N	109	3	34.964	ND	12.97+-	10.0%	10397
9137	16/10/83	51: 0: 0N	97	3	34.939	ND	15.95+-	8.2%	10398
9138	17/10/83	50:30: 0N	84	3	34.924	ND	16.02+-	8.2%	10399
9139	17/10/83	50: 0: 0N	69	3	34.996	ND	10.37+-	12.3%	10400
9140	17/10/83	49:52:30N	85	3	35.134	ND	5.54+-	23.0%	10401
9141	17/10/83	50: 1:48N	71	3	35.083	ND	4.45+-	28.5%	10402
9143	17/10/83	50:10:48N	55	3	34.968	ND	3.76+-	33.1%	10403
9145	17/10/83	50:19:12N	53	3	34.922	ND	5.38+-	23.7%	10404
9147	17/10/83	50:28:12N	32	3	34.932	ND	9.40+-	6.0%	10405

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9148	17/10/83	50:35:30N	0: 0: 0W	3	34.876	ND	11.84+- 3.9%		10406
9149	18/10/83	50:51:42N	1: 0: 0E	33	34.822	ND	12.54+- 3.7%		10407
9150	18/10/83	51: 0: 0N	1:16: 0E	25	34.871	ND	13.61+- 3.4%		10408
9151	18/10/83	51:30: 0N	1:58:36E	43	34.757	ND	24.63+- 1.9%		10409
9152	18/10/83	51:45: 0N	2: 0:48E	35	34.806	ND	24.81+- 1.9%		10410
9153	18/10/83	52: 0: 0N	1:59:15E	30	34.820	ND	15.41+- 3.0%		10411
9153	18/10/83	52: 0: 0N	1:59:15E	30	34.826	ND	17.36+- 2.9%		10412
9154	18/10/83	52: 0: 0N	2:30: 0E	45	34.738	ND	21.42+- 2.2%		10413
9155	18/10/83	52:15: 0N	2:30: 0E	44	34.728	ND	18.81+- 2.5%		10414
9156	18/10/83	52:30: 0N	2:30: 0E	47	34.756	ND	14.41+- 3.2%		10415
9157	18/10/83	52:15: 0N	2: 1: 0E	32	34.777	ND	14.62+- 3.9%		10416
9158	18/10/83	52:30: 0N	2: 1: 0E	25	34.780	ND	18.44+- 2.5%		10417
9158	18/10/83	52:30: 0N	2: 1: 0E	25	34.786	ND	19.38+- 2.5%		10418
9159	18/10/83	52:45: 0N	2: 1: 0E	31	34.591	ND	47.29+- 1.1%		10419
9160	18/10/83	53:20: 0N	1: 0: 0E	26	34.054	3.73+-24.9%	166.09+- 0.5%	44.6	10420
9291	9/10/83	59:45:30N	8: 0: 0W	765	35.319	NA	NA		10323
9321	14/10/83	54:50:48N	5:47:42W	3	33.584	30.64+- 7.9%	627.71+- 0.5%	20.5	10377
Site 39 Clione									
6037	4/ 5/83	55: 0: 0N	1:20: 0W	36	NA	7.54+-30.8%	175.18+- 1.1%	23.2	10421
6038	4/ 5/83	54:50: 0N	1:14: 0W	30	32.464	5.07+-43.8%	167.70+- 1.1%	33.1	10422
6039	4/ 5/83	54:40: 6N	1: 7:24W	19	34.124	ND	162.57+- 0.8%		10423
6040	5/ 5/83	54:30:12N	0: 0: 0W	66	32.224	7.60+-30.5%	180.27+- 1.1%	23.7	10424
6042	5/ 5/83	54: 0: 0N	0: 0:12W	26	34.046	7.52+-29.0%	191.51+- 1.0%	25.5	10425
Site 39 Clione									
9001	8/ 7/83	50:38:18N	0:29:30E	65	NA	ND	8.50+- 8.1%		10426
9002	8/ 7/83	50:31:24N	0:30:24W	62	NA	ND	6.63+-10.2%		10427

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
9004	8/ 7/83	50:26:24N	1:30: 0W	3	NA	ND	11.47+- 5.7%		10428
9005	8/ 7/83	50:17:12N	2:30: 0W	57	NA	ND	4.52+-14.0%		10429
9006	9/ 7/83	50: 7:30N	3:30: 0W	67	NA	ND	5.80+-11.0%		10430
9007	9/ 7/83	49:57:48N	4:29:24W	78	NA	ND	4.39+-15.6%		10431
9008	9/ 7/83	49:48: 6N	5:27: 6W	90	NA	ND	3.61+-18.3%		10432
9009	10/ 7/83	50:48:12N	5:32:42W	81	NA	ND	4.69+-14.0%		10433
9010	10/ 7/83	50:22:54N	5:35:54W	59	NA	ND	5.50+-11.8%		10434
9012	10/ 7/83	50:52:24N	6: 5:42W	95	NA	ND	6.39+-10.0%		10435
9013	11/ 7/83	51:19:48N	4:41:30W	60	NA	ND	8.84+- 7.5%		10436
9014	11/ 7/83	51:33: 0N	4:51:12W	35	NA	ND	13.84+- 4.7%		10437
9015	11/ 7/83	51: 8:36N	5:44:18W	88	NA	ND	7.61+- 9.1%		10438
9016	12/ 7/83	51:35:42N	6:22:18W	81	NA	ND	30.82+- 2.2%		10439
9017	12/ 7/83	51:30:54N	5:55:18W	108	NA	ND	9.88+- 6.6%		10440
9018	12/ 7/83	51:13: 0N	6:13:48W	126	NA	ND	10.13+- 6.4%		10441
9022	13/ 7/83	50:47:24N	7:24:18W	104	NA	ND	9.46+- 7.1%		10442
9024	12/ 7/83	51:20:12N	7:29:30W	90	NA	ND	14.90+- 4.3%		10443
9025	14/ 7/83	51:16:42N	8:19: 0W	100	NA	ND	12.19+- 5.2%		10444
9026	14/ 7/83	50:46:48N	8:27:18W	109	NA	ND	8.92+- 7.0%		10445
9028	14/ 7/83	49:46:24N	8:20:48W	142	NA	ND	5.72+-15.4%		10446
9029	15/ 7/83	49:35:48N	7: 8:30W	124	NA	ND	5.71+-16.0%		10447
9030	15/ 7/83	49:34:42N	6:40:30W	112	NA	ND	4.73+-19.1%		10448
9034	16/ 7/83	48:46:30N	8:15: 6W	190	NA	ND	2.22+-40.0%		10449
9036	17/ 7/83	48:36: 6N	7:13:30W	148	NA	ND	7.95+-11.1%		10450
9041	20/ 7/83	48:54:42N	5:45:30W	118	NA	ND	9.44+- 9.9%		10452
9044	21/ 7/83	48:56:12N	4:27:12W	102	NA	ND	3.38+-26.9%		10453
9046	21/ 7/83	48:57:18N	4: 0:48W	88	NA	ND	4.03+-21.4%		10454
9047	22/ 7/83	48:55: 0N	2:31:24W	45	NA	ND	15.24+- 6.5%		10455
9050	23/ 7/83	49:42:30N	3: 0:54W	72	NA	ND	3.66+-23.9%		10456
9051	23/ 7/83	49:52:24N	3:22:48W	72	NA	ND	2.92+-39.1%		10457
9052	23/ 7/83	50:15: 0N	4:21: 0W	56	NA	ND	13.77+- 7.0%		10458

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	Salinity (psu)	depth (m)	Salinity (psu)		
9055	24/ 7/83	50:35:30N	32	3	NA	ND	ND	10.91+-	8.3%		10459
9058	25/ 7/83	50:59:54N	44	3	NA	ND	ND	11.82+-	7.9%		10460
Site 39 Clione											
11002	9/ 9/83	52:11:48N	96	3	34.980	ND	ND	13.10+-	20.2%		10461
11005	10/ 9/83	52:38:48N	23	3	33.960	ND	ND	72.23+-	3.8%		10462
11010	12/ 9/83	52:27: 0N	23	3	34.001	ND	ND	77.91+-	3.6%		10463
11012	12/ 9/83	52:40: 0N	84	3	34.379	ND	ND	58.24+-	4.7%		10464
11013	13/ 9/83	53: 7:24N	31	3	34.047	ND	ND	254.63+-	1.4%		10465
11016	13/ 9/83	52:40: 0N	68	3	34.338	ND	ND	140.35+-	2.1%		10466
11023	14/ 9/83	52:37:54N	22	3	34.170	ND	ND	189.22+-	1.6%		10467
11025	15/ 9/83	53:43:30N	35	3	33.912	24.84+-	18.6%	639.39+-	0.9%	25.7	10468
11030	16/ 9/83	54: 1:18N	70	3	33.883	24.27+-	19.0%	661.88+-	0.8%	27.3	10469
11033	16/ 9/83	54:17: 6N	87	3	33.851	32.74+-	14.2%	735.92+-	0.8%	22.5	10470
11035	17/ 9/83	53:36:12N	73	3	33.983	19.89+-	11.5%	480.76+-	0.5%	24.2	10471
11040	17/ 9/83	53:59:18N	50	3	33.907	27.39+-	8.5%	587.35+-	0.5%	21.4	10472
11042	20/ 9/83	54: 0:54N	38	3	33.509	62.85+-	3.8%	1338.70+-	0.3%	21.3	10473
11044	20/ 9/83	53:40:12N	59	3	33.911	19.33+-	11.8%	372.40+-	0.7%	19.3	10474
11045	21/ 9/83	53:30:18N	48	3	33.934	19.83+-	11.5%	418.98+-	0.6%	21.1	10475
11046	21/ 9/83	53:28:42N	38	3	33.388	44.34+-	5.3%	1094.06+-	0.3%	24.7	10476
11047	21/ 9/83	53:36:36N	30	3	32.988	84.36+-	3.0%	1892.23+-	0.2%	22.4	10477
11048	21/ 9/83	53:41: 0N	38	3	32.776	226.40+-	1.3%	4356.28+-	0.2%	19.2	10478
11049	21/ 9/83	53:48:30N	36	3	33.270	72.56+-	3.3%	1545.76+-	0.2%	21.3	10479
11050	21/ 9/83	54: 3:30N	28	3	32.949	153.69+-	1.7%	3053.30+-	0.2%	19.9	10480
11052	22/ 9/83	53:57:30N	76	3	33.908	21.50+-	21.7%	590.87+-	0.9%	27.5	10481
11054	22/ 9/83	54:21:42N	50	3	33.863	27.23+-	12.1%	763.83+-	0.5%	28.0	10482
11055	22/ 9/83	54:31: 0N	45	3	33.371	166.40+-	2.3%	3094.82+-	0.2%	18.6	10483
11056	23/ 9/83	54:36:36N	37	3	33.203	175.80+-	2.2%	3247.92+-	0.2%	18.5	10484
11057	23/ 9/83	54:24: 6N	32	3	33.033	171.06+-	3.2%	3244.81+-	0.3%	19.0	10485

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)		depth (m)			
11058	23/ 9/83	54:19:36N	38	3	33.177		124.12+- 2.9%		2611.96+- 0.2%	21.0	10486
11059	23/ 9/83	54:14:48N	34	3	33.191		147.25+- 3.6%		2843.36+- 0.3%	19.3	10487
11060	23/ 9/83	54:10:18N	20	3	33.283		113.21+- 4.5%		2239.79+- 0.4%	19.8	10488
11061	24/ 9/83	53:38:42N	97	3	33.978		14.44+-32.0%		374.57+- 1.3%	25.9	10489
11062	24/ 9/83	53:20:12N	52	3	34.030		12.65+-38.0%		326.85+- 1.6%	25.8	10490
11063	24/ 9/83	53: 0: 0N	85	3	NA		17.12+-27.6%		290.80+- 1.7%	17.0	10491
11065	24/ 9/83	51:59:36N	97	3	NA		ND		15.88+-16.2%		10492
Site 38 Cirolana											
6001	28/ 6/84	50:47:36N	31	3	34.896		ND		13.50+- 4.7%		4529
6002	29/ 6/84	50: 8: 0N	65	3	35.103		ND		9.90+- 6.3%		4530
6003	29/ 6/84	49:53:24N	85	3	35.095		ND		3.40+-17.7%		4531
6004	30/ 6/84	50:30: 0N	120	3	35.429		ND		7.20+- 8.6%		4532
6005	30/ 6/84	50:38:18N	115	3	35.354		ND		5.40+-11.4%		4533
6006	30/ 6/84	50:48: 6N	120	3	35.217		ND		8.31+- 7.5%		4534
6007	30/ 6/84	50:59: 0N	179	3	35.271		NA		NA		4535
6008	30/ 6/84	51: 8:24N	1340	3	35.789		ND		2.28+-26.6%		4536
6009	30/ 6/84	51:17:48N	1680	3	35.575		ND		1.10+-54.6%		4537
6010	1/ 7/84	51:28:36N	450	3	35.506		ND		2.38+-25.9%		4538
6011	1/ 7/84	51:41:48N	1700	3	35.542		ND		1.80+-32.9%		4539
6013	1/ 7/84	52:13:42N		3	35.563		ND		2.70+-22.5%		4540
6076	15/ 7/84	48:15: 0N		3	35.475		ND		6.00+-10.2%		4541
6077	15/ 7/84	48:42:30N	161	3	35.248		ND		4.20+-14.5%		4542
Site 38 Cirolana											
7002	9/ 8/84	54: 2:30N	50	3	NA		3.88+-30.8%		133.36+- 0.9%	34.3	4792
7016	10/ 8/84	54:57: 0N	79	3	NA		4.92+-24.3%		137.50+- 0.9%	27.9	4793
7031	11/ 8/84	56:14:42N	82	3	NA		ND		79.80+- 1.0%		4794

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		Ratio	Sample no.
						depth (m)	Concentration		
7037	12/ 8/84	56:23:36N	45	3	NA	2.89+-29.3%	102.38+- 0.8%	35.4	4795
7044	12/ 8/84	56:33:48N	72	3	NA	ND	83.93+- 0.9%		4796
7057	13/ 8/84	57: 0:12N	71	3	NA	2.01+-49.5%	90.07+- 1.1%	44.8	4797
7057	13/ 8/84	57: 0:12N	71	71	NA	ND	93.70+- 0.6%		4798
7064	14/ 8/84	57:52:36N	107	3	NA	ND	52.40+- 1.4%		4799
7076	15/ 8/84	58:17: 6N	52	3	NA	2.40+-50.6%	94.45+- 1.2%	39.4	4800
7081	15/ 8/84	58:33:36N	81	3	NA	ND	82.29+- 0.9%		4801
7089	16/ 8/84	59:12:36N	142	3	NA	ND	26.58+- 2.5%		4802
7094	16/ 8/84	59: 0:18N	75	3	NA	ND	57.74+- 1.3%		4803
7099	16/ 8/84	60: 0: 0N	102	3	NA	ND	15.88+- 2.9%		4804
7100	17/ 8/84	60:32: 6N	149	3	NA	ND	5.78+- 7.7%		4805
7107	17/ 8/84	61: 4:48N	149	3	NA	ND	15.03+- 3.1%		4806
7111	17/ 8/84	61:11:12N	161	3	NA	ND	4.37+-12.6%		4807
7121	18/ 8/84	60:24:48N	115	3	NA	ND	3.35+-13.3%		4808
7125	18/ 8/84	60:10:30N	155	3	NA	ND	12.14+- 5.4%		4809
7136	19/ 8/84	61:27:24N	178	3	NA	ND	2.38+-26.4%		4810
7141	19/ 8/84	60:52:12N	135	3	NA	ND	15.39+- 4.3%		4811
7147	20/ 8/84	60:30:42N	107	3	NA	ND	24.80+- 2.7%		4812
7155	20/ 8/84	60:25:30N	135	3	NA	ND	26.73+- 2.5%		4813
7161	21/ 8/84	59:12:48N	117	3	NA	ND	33.53+- 1.4%		4814
7167	21/ 8/84	59:25:36N	127	3	NA	ND	42.72+- 1.2%		4815
7173	22/ 8/84	58:15:12N	78	3	NA	ND	54.49+- 1.2%		4816
7176	22/ 8/84	58:11:30N	110	3	NA	ND	45.52+- 1.1%		4817
7185	23/ 8/84	57:20:42N	68	3	NA	ND	54.50+- 0.9%		4818
7185	23/ 8/84	57:20:42N	68	68	NA	2.55+-47.2%	96.25+- 1.2%	37.7	4819
7190	23/ 8/84	57:56: 6N	75	3	NA	ND	53.29+- 1.4%		4820
7197	24/ 8/84	58: 7: 0N	165	3	NA	ND	60.51+- 1.2%		4821
7208	25/ 8/84	57:16:30N	74	3	NA	ND	56.38+- 0.9%		4822
7208	25/ 8/84	57:16:30N	74	74	NA	ND	58.21+- 1.3%		4823
7211	25/ 8/84	56:36:48N	45	3	NA	ND	62.72+- 0.8%		4824

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	Concentration (Bq m^{-3})	depth (m)	Concentration (Bq m^{-3})		
7215	25/ 8/84	56:18: 0N	34	3	NA	ND	53.50+- 1.0%	ND	53.50+- 1.0%		4825
7221	26/ 8/84	57: 4:54N	55	3	NA	ND	61.80+- 0.8%	ND	61.80+- 0.8%		4826
7222	26/ 8/84	56:50:24N	65	3	NA	ND	66.84+- 1.0%	ND	66.84+- 1.0%		4827
7222	26/ 8/84	56:50:24N	65	65	NA	ND	101.02+- 0.8%	ND	101.02+- 0.8%		4828
7233	27/ 8/84	56:49:36N	67	3	NA	ND	75.16+- 1.0%	ND	75.16+- 1.0%		4829
7237	27/ 8/84	56:43:42N	99	3	NA	ND	77.20+- 1.0%	ND	77.20+- 1.0%		4830
7237	27/ 8/84	56:43:42N	99	99	NA	4.54+-26.8%	105.66+- 1.1%	NA	105.66+- 1.1%	23.3	4831
7245	28/ 8/84	56:15:18N	87	3	NA	1.83+-45.7%	102.50+- 0.8%	NA	102.50+- 0.8%	56.1	4832
7258	29/ 8/84	55:36:30N	34	3	NA	2.25+-51.9%	115.34+- 1.0%	NA	115.34+- 1.0%	51.2	4833
7269	30/ 8/84	55:56:24N	47	3	NA	ND	60.19+- 0.9%	ND	60.19+- 0.9%		4834
7273	30/ 8/84	55: 7:54N	39	3	NA	ND	27.91+- 2.4%	ND	27.91+- 2.4%		4835
7276	30/ 8/84	54:57:12N	30	3	NA	ND	20.73+- 3.2%	ND	20.73+- 3.2%		4836
7286	31/ 8/84	54:46: 6N	42	3	NA	ND	96.92+- 0.8%	ND	96.92+- 0.8%		4837
7295	1/ 9/84	53:50: 6N	42	3	NA	2.41+-50.1%	126.45+- 0.9%	NA	126.45+- 0.9%	52.5	4838
7299	1/ 9/84	53:40:48N	36	3	NA	ND	44.83+- 1.6%	ND	44.83+- 1.6%		4839
7302	1/ 9/84	53:45:12N	33	3	NA	ND	38.58+- 1.8%	ND	38.58+- 1.8%		4840
7310	2/ 9/84	53:13: 6N	29	3	NA	ND	60.65+- 1.2%	ND	60.65+- 1.2%		4841
7312	2/ 9/84	52:43:48N	29	3	NA	ND	23.27+- 2.9%	ND	23.27+- 2.9%		4842
7316	2/ 9/84	52:50:48N	40	3	NA	5.93+-20.5%	135.37+- 0.9%	NA	135.37+- 0.9%	22.8	4843
7318	2/ 9/84	52:23: 0N	39	3	NA	ND	21.49+- 3.1%	ND	21.49+- 3.1%		4844
7326	3/ 9/84	53:26:42N	25	3	NA	2.05+-58.3%	149.65+- 0.8%	NA	149.65+- 0.8%	73.1	4845
7328	3/ 9/84	53:24:12N	33	3	NA	ND	145.56+- 0.6%	ND	145.56+- 0.6%		4846
7341	4/ 9/84	54:40:30N	20	3	NA	2.89+-41.3%	132.56+- 0.9%	NA	132.56+- 0.9%	45.9	4847
7349	5/ 9/84	54:51:49N	33	3	NA	3.24+-37.2%	134.88+- 0.9%	NA	134.88+- 0.9%	41.6	4848
Site 38 Cirolana											
10010	28/11/84	49:59:18N	75	3	NA	ND	6.40+-10.1%	ND	6.40+-10.1%		4762
10010	28/11/84	49:59:18N	75	3	NA	ND	5.70+-11.5%	ND	5.70+-11.5%		4763
10011	28/11/84	49:37:36N	103	3	NA	ND	6.40+-10.8%	ND	6.40+-10.8%		4764

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
10011	28/11/84	49:37:36N	103	3	NA	ND	6.20+-10.6%		4765
10027	1/12/84	51: 8: 0N	240	3	NA	ND	4.20+-16.0%		4766
10027	1/12/84	51: 8: 0N	240	3	NA	ND	5.30+-12.7%		4767
10042	4/12/84	48:27:12N	196	3	NA	ND	3.90+-18.4%		4768
10042	4/12/84	48:27:12N	196	3	NA	ND	3.10+-21.1%		4769
10078	12/12/84	46:55:18N	214	3	NA	ND	5.70+-11.5%		4771
10078	12/12/84	46:55:18N	214	3	NA	ND	4.50+-15.2%		4770
Site 39 Clione									
11008	18/ 9/84	52:43:51N	65	3	34.320	ND	235.27+- 1.1%		3834
11010	18/ 9/84	52:11:12N	94	3	35.010	ND	24.92+- 7.2%		3835
11025	21/ 9/84	53:10:51N	121	3	34.229	ND	317.44+- 0.6%		3836
11031	22/ 9/84	54: 1:24N	69	3	NA	16.85+-20.1%	477.83+- 0.5%	28.3	3837
11039	26/ 9/84	54: 4:21N	42	3	NA	39.82+-11.3%	959.70+- 0.4%	24.1	3838
11043	27/ 9/84	54: 2: 3N	25	3	33.488	72.73+- 4.7%	1649.90+- 0.2%	22.7	3839
11044	27/ 9/84	53:44:36N	37	3	33.343	81.98+- 4.3%	1827.70+- 0.2%	22.3	3840
Site 39 Clione									
13001	6/11/84	52:30: 0N	30	3	34.256	3.92+-22.6%	124.24+- 0.7%	31.7	4849
13002	6/11/84	52: 0: 0N	28	3	NA	ND	15.05+- 3.1%		4850
13003	6/11/84	51:30: 0N	44	3	34.971	ND	25.44+- 1.9%		4851
13004	6/11/84	51: 0: 0N	42	3	35.174	ND	16.14+- 2.9%		4852
13005	6/11/84	50:50: 0N	38	3	34.987	ND	18.64+- 2.5%		4853
13006	7/11/84	50:32:48N	59	3	34.993	ND	14.35+- 3.2%		4854
13007	7/11/84	50:25: 0N	37	3	34.865	ND	12.70+- 3.6%		4855
13008	7/11/84	50:17:48N	53	3	35.072	ND	6.14+- 7.3%		4856
13009	7/11/84	50:10: 0N	63	3	35.169	ND	3.21+-14.0%		4857
13010	7/11/84	50: 3: 0N	76	3	35.178	ND	3.76+-11.9%		4858

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
13011	7/11/84	49:55:18N	79	3	35.216	ND	5.50+-8.2%		4859
13012	8/11/84	50:0:12N	69	3	35.266	ND	6.18+-7.2%		4860
13013	8/11/84	50:30:6N	88	3	35.153	ND	6.85+-7.1%		4861
13014	8/11/84	51:0:0N	94	3	35.158	ND	9.69+-4.9%		4862
13015	8/11/84	51:29:54N	109	0	35.235	ND	10.24+-4.4%		4863
13015	8/11/84	51:29:54N	109	3	35.214	ND	10.06+-4.5%		4864
13015	8/11/84	51:29:54N	109	100	35.168	ND	10.43+-4.4%		4865
13016	8/11/84	52:10:0N	50	3	34.824	ND	33.73+-1.4%		4866
13017	8/11/84	52:10:0N	98	3	34.985	ND	21.59+-2.2%		4867
13018	8/11/84	52:0:3N	104	3	35.112	ND	8.30+-5.8%		4868
13018	8/11/84	52:0:3N	104	95	35.062	ND	8.42+-5.4%		4869
13019	8/11/84	52:0:0N	58	3	34.962	ND	11.84+-3.9%		4870
13020	8/11/84	52:9:51N	60	3	34.995	ND	10.31+-4.4%		4871
13020	8/11/84	52:9:51N	60	54	34.996	ND	10.31+-4.4%		4872
13021	9/11/84	52:10:0N	33	3	34.279	1.56+-52.3%	82.68+-1.0%	53.0	4873
13022	9/11/84	52:25:0N	27	3	34.049	2.82+-59.6%	146.04+-1.2%	51.8	4874
13023	9/11/84	52:40:0N	19	3	33.474	ND	140.18+-0.9%		4875
13024	9/11/84	52:40:15N	82	3	34.541	ND	122.38+-1.0%		4876
13024	9/11/84	52:40:15N	82	75	34.583	ND	118.05+-1.0%		4877
13025	9/11/84	52:40:15N	74	3	34.808	ND	62.69+-1.7%		4878
13025	9/11/84	52:40:15N	74	68	34.799	ND	65.68+-1.6%		4879
13026	9/11/84	52:40:0N	46	3	34.692	ND	95.86+-1.2%		4880
13027	9/11/84	53:0:0N	22	3	34.276	11.21+-29.6%	280.67+-0.7%	25.0	4881
13028	9/11/84	52:59:39N	110	3	34.425	5.46+-31.0%	210.36+-0.9%	38.5	4882
13028	9/11/84	52:59:39N	110	95	34.619	ND	123.66+-1.0%		4883
13029	9/11/84	53:0:0N	37	3	34.511	10.62+-45.4%	174.33+-2.6%	16.4	4884
13030	9/11/84	53:20:18N	49	3	34.207	20.34+-24.0%	282.52+-1.7%	13.9	4885
13030	9/11/84	53:20:18N	49	46	34.253	12.68+-38.9%	276.50+-1.8%	21.8	4886
13031	9/11/84	53:20:0N	90	0	34.390	ND	211.90+-2.0%		4887
13031	9/11/84	53:20:0N	90	3	32.386	16.41+-29.6%	205.00+-2.3%	12.5	4888

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						Station depth (m)	Salinity (psu)	Station depth (m)	Salinity (psu)		
13031	9/11/84	53:20: 0N	5:30: 3W	90	87	34.454	12.84+-38.4%	199.58+-	2.4%	15.5	4889
13032	10/11/84	53:22: 0N	6: 0: 0W		3	33.790	10.99+-30.3%	340.18+-	1.0%	31.0	4890
13033	10/11/84	53:40: 0N	6: 5: 0W	21	3	30.576	17.62+-19.4%	380.84+-	0.9%	21.6	4891
13034	10/11/84	53:40: 0N	5:47:54W	62	3	34.190	18.57+-18.4%	326.34+-	1.1%	17.6	4892
13034	10/11/84	53:40: 0N	5:47:54W	62	57	34.230	11.81+-30.0%	325.14+-	1.1%	27.5	4893
13035	10/11/84	53:40: 3N	5:14: 0W	68	3	34.206	17.33+-19.7%	338.30+-	1.0%	19.5	4894
13035	10/11/84	53:40: 3N	5:14: 0W	68	63	34.213	14.79+-23.0%	328.96+-	1.1%	22.2	4895
13036	10/11/84	53:40: 6N	4:40:36W	52	3	34.114	15.14+-22.5%	437.32+-	0.8%	28.9	4896
13036	10/11/84	53:40: 6N	4:40:36W	52	44	34.067	15.79+-22.0%	410.35+-	0.9%	26.0	4897
13037	10/11/84	53:29:54N	4:23:45W	77	3	33.683	32.63+-15.1%	827.72+-	0.7%	25.4	4898
13037	10/11/84	53:29:54N	4:23:45W	77	74	33.718	34.54+-14.3%	809.51+-	0.7%	23.4	4899
13038	10/11/84	53:21: 0N	4: 7: 0W	22	3	33.407	61.17+- 8.3%	1426.29+-	0.5%	23.3	4900
13039	10/11/84	53:30: 9N	3:50: 6W	43	3	33.810	43.46+- 4.1%	1034.93+-	0.2%	23.8	4901
13039	10/11/84	53:30: 9N	3:50: 6W	43	40	33.730	36.82+- 9.9%	1020.70+-	0.4%	27.7	4902
13040	10/11/84	53:25: 0N	3:33: 0W	17	3	32.381	71.12+- 5.2%	1873.40+-	0.3%	26.3	4903
13041	10/11/84	53:30: 0N	3:21: 0W	17	3	31.444	80.47+- 4.6%	2104.93+-	0.3%	26.2	4904
13042	10/11/84	53:40: 9N	3:34:15W	30	3	33.024	65.83+- 5.5%	1678.82+-	10.3%	25.5	4905
13042	10/11/84	53:40: 9N	3:34:15W	30	27	33.131	59.62+- 0.1%	1493.86+-	0.3%	25.1	4906
13043	10/11/84	53:40: 0N	4: 7: 6W	44	3	33.898	32.00+-11.1%	699.98+-	0.6%	21.9	4907
13044	10/11/84	53:50: 3N	4:23:45W	53	3	34.036	14.11+-26.7%	430.81+-	0.8%	30.5	4908
13044	10/11/84	53:50: 3N	4:23:45W	53	49	34.039	14.04+-25.3%	445.38+-	0.8%	31.7	4909
13045	10/11/84	53:49:57N	3:50:39W	43	3	33.741	32.70+-10.9%	872.34+-	0.5%	26.7	4910
13045	10/11/84	53:49:57N	3:50:39W	43	39	33.732	36.46+- 9.7%	860.89+-	0.4%	23.6	4911
13046	11/11/84	53:50: 0N	3:16:54W	18	3	31.914	101.73+- 5.3%	2444.83+-	0.3%	24.0	4912
13046	11/11/84	53:50: 0N	3:16:54W	18	14	31.909	116.88+- 4.9%	2479.13+-	0.4%	21.2	4913
13047	11/11/84	54: 0: 0N	3:17: 0W	24	3	32.510	94.10+- 5.7%	2306.43+-	0.4%	24.5	4914
13048	11/11/84	54: 0: 0N	3:35:27W	32	3	33.127	87.06+- 6.2%	1942.60+-	0.4%	22.3	4915
13048	11/11/84	54: 0: 0N	3:35:27W	32	30	33.132	72.92+- 7.3%	1901.29+-	0.4%	26.1	4916
13049	11/11/84	54: 0: 0N	3:50: 0W	38	3	33.503	37.62+-13.6%	1227.63+-	0.5%	32.6	4917
13050	11/11/84	54: 0: 3N	4: 8:21W	41	3	33.984	8.49+-58.4%	499.88+-	1.0%	58.9	4918

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
13050	11/11/84	54: 0: 3N	41	37	34.155	11.19+-45.4%	447.07+- 1.2%	40.0	4919
13051	11/11/84	54:10: 3N	26	3	33.932	13.92+-35.8%	484.34+- 1.1%	34.8	4920
13051	11/11/84	54:10: 3N	26	22	33.943	15.21+-32.8%	482.01+- 1.1%	31.7	4921
13052	11/11/84	54:10: 0N	23	3	33.630	29.77+-12.7%	1177.57+- 0.4%	39.6	4922
13052	11/11/84	54:10: 0N	23	19	33.669	29.43+-13.3%	1160.47+- 0.4%	39.4	4923
13053	11/11/84	54:10: 0N	27	3	33.114	126.03+- 4.6%	2750.98+- 0.3%	21.8	4924
13053	11/11/84	54:10: 0N	27	23	33.112	126.83+- 3.2%	2788.39+- 0.2%	22.0	4925
13054	11/11/84	54:20: 3N	24	3	33.037	157.31+- 2.7%	3136.29+- 0.2%	19.9	4926
13054	11/11/84	54:20: 3N	24	21	32.971	147.18+- 4.0%	3184.40+- 0.3%	21.6	4927
13055	11/11/84	54:24: 3N	23	3	32.554	481.15+- 1.5%	7580.03+- 0.2%	15.8	4928
13055	11/11/84	54:24: 3N	23	20	32.552	511.63+- 1.4%	8229.93+- 0.2%	16.1	4929
13056	11/11/84	54:27: 3N	22	3	32.625	339.64+- 1.9%	5716.96+- 0.2%	16.8	4930
13056	11/11/84	54:27: 3N	22	18	32.633	297.87+- 2.3%	5191.93+- 0.3%	17.4	4931
13057	11/11/84	54:30: 3N	28	3	32.591	196.85+- 3.0%	3724.96+- 0.3%	18.9	4932
13057	11/11/84	54:30: 3N	28	24	32.629	215.41+- 2.8%	3921.78+- 0.3%	18.2	4933
13058	11/11/84	54:30: 0N	40	3	33.459	43.42+-12.4%	1510.57+- 0.5%	34.8	4934
13058	11/11/84	54:30: 0N	40	35	33.459	61.71+- 9.1%	1532.22+- 0.5%	24.8	4935
13059	11/11/84	54:40:39N	33	3	33.061	57.94+- 9.8%	1676.00+- 0.5%	28.9	4936
13059	11/11/84	54:40:39N	33	28	33.063	69.08+- 8.2%	1877.16+- 0.4%	27.2	4937
13060	11/11/84	54:40: 0N	47	3	33.099	71.43+- 7.6%	1706.19+- 0.5%	23.9	4938
13060	11/11/84	54:40: 0N	47	42	33.266	63.95+- 8.5%	1743.85+- 0.5%	27.3	4939
13061	11/11/84	54:30: 3N	59	3	33.507	51.54+-10.4%	1439.65+- 0.5%	27.9	4940
13061	11/11/84	54:30: 3N	59	54	33.536	39.00+-14.1%	1264.93+- 0.6%	32.4	4941
13062	11/11/84	54:20: 0N	38	3	33.425	58.31+- 9.2%	1537.07+- 0.5%	26.4	4942
13062	11/11/84	54:20: 0N	38	3	33.663	36.10+-14.6%	1203.24+- 0.6%	33.3	4944
13062	11/11/84	54:20: 0N	38	19	33.609	35.84+-14.7%	1203.55+- 0.6%	33.6	4945
13062	11/11/84	54:20: 0N	38	33	33.489	43.99+-12.2%	1419.43+- 0.5%	32.3	4943
13064	11/11/84	54:30: 0N	61	3	33.885	17.82+-28.0%	600.55+- 0.9%	33.7	4946
13064	11/11/84	54:30: 0N	61	57	33.991	25.37+-19.9%	594.41+- 0.9%	23.4	4947
13065	12/11/84	54:40:18N	26	3	33.599	33.17+-15.3%	904.46+- 0.7%	27.3	4948

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs		^{137}Cs		Ratio	Sample no.
						depth (m)	Salinity (psu)	depth (m)	Salinity (psu)		
13050	11/11/84	54: 0: 3N	41	37	34.155	11.19+-45.4%	447.07+-	1.2%	40.0	4919	
13051	11/11/84	54:10: 3N	26	3	33.932	13.92+-35.8%	484.34+-	1.1%	34.8	4920	
13051	11/11/84	54:10: 3N	26	22	33.943	15.21+-32.8%	482.01+-	1.1%	31.7	4921	
13052	11/11/84	54:10: 0N	23	3	33.630	29.77+-12.7%	1177.57+-	0.4%	39.6	4922	
13052	11/11/84	54:10: 0N	23	19	33.669	29.43+-13.3%	1160.47+-	0.4%	39.4	4923	
13053	11/11/84	54:10: 0N	27	3	33.114	126.03+- 4.6%	2750.98+-	0.3%	21.8	4924	
13053	11/11/84	54:10: 0N	27	23	33.112	126.83+- 3.2%	2788.39+-	0.2%	22.0	4925	
13054	11/11/84	54:20: 3N	24	3	33.037	157.31+- 2.7%	3136.29+-	0.2%	19.9	4926	
13054	11/11/84	54:20: 3N	24	21	32.971	147.18+- 4.0%	3184.40+-	0.3%	21.6	4927	
13055	11/11/84	54:24: 3N	23	3	32.554	481.15+- 1.5%	7580.03+-	0.2%	15.8	4928	
13055	11/11/84	54:24: 3N	23	20	32.552	511.63+- 1.4%	8229.93+-	0.2%	16.1	4929	
13056	11/11/84	54:27: 3N	22	3	32.625	339.64+- 1.9%	5716.96+-	0.2%	16.8	4930	
13056	11/11/84	54:27: 3N	22	18	32.633	297.87+- 2.3%	5191.93+-	0.3%	17.4	4931	
13057	11/11/84	54:30: 3N	28	3	32.591	196.85+- 3.0%	3724.96+-	0.3%	18.9	4932	
13057	11/11/84	54:30: 3N	28	24	32.629	215.41+- 2.8%	3921.78+-	0.3%	18.2	4933	
13058	11/11/84	54:30: 0N	40	3	33.459	43.42+-12.4%	1510.57+-	0.5%	34.8	4934	
13058	11/11/84	54:30: 0N	40	35	33.459	61.71+- 9.1%	1532.22+-	0.5%	24.8	4935	
13059	11/11/84	54:40:39N	33	3	33.061	57.94+- 9.8%	1676.00+-	0.5%	28.9	4936	
13059	11/11/84	54:40:39N	33	28	33.063	69.08+- 8.2%	1877.16+-	0.4%	27.2	4937	
13060	11/11/84	54:40: 0N	47	3	33.099	71.43+- 7.6%	1706.19+-	0.5%	23.9	4938	
13060	11/11/84	54:40: 0N	47	42	33.266	63.95+- 8.5%	1743.85+-	0.5%	27.3	4939	
13061	11/11/84	54:30: 3N	59	3	33.507	51.54+-10.4%	1439.65+-	0.5%	27.9	4940	
13061	11/11/84	54:30: 3N	59	54	33.536	39.00+-14.1%	1264.93+-	0.6%	32.4	4941	
13062	11/11/84	54:20: 0N	38	3	33.425	58.31+- 9.2%	1537.07+-	0.5%	26.4	4942	
13062	11/11/84	54:20: 0N	38	3	33.663	36.10+-14.6%	1203.24+-	0.6%	33.3	4944	
13062	11/11/84	54:20: 0N	38	19	33.609	35.84+-14.7%	1203.55+-	0.6%	33.6	4945	
13062	11/11/84	54:20: 0N	38	33	33.489	43.99+-12.2%	1419.43+-	0.5%	32.3	4943	
13064	11/11/84	54:30: 0N	61	3	33.885	17.82+-28.0%	600.55+-	0.9%	33.7	4946	
13064	11/11/84	54:30: 0N	61	57	33.991	25.37+-19.9%	594.41+-	0.9%	23.4	4947	
13065	12/11/84	54:40:18N	26	3	33.599	33.17+-15.3%	904.46+-	0.7%	27.3	4948	

ANNEX 3. Continued
 Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
13084	14/11/84	55:30:15N	84	3	34.262	12.26+- 9.9%	378.16+- 0.4%	30.8	4979
13084	14/11/84	55:30:15N	84	79	34.109	13.14+- 8.8%	371.30+- 0.4%	28.3	4980
13085	14/11/84	56: 0: 0N	66	3	34.472	6.14+-18.6%	175.89+- 0.7%	28.7	4981
13086	14/11/84	56:30: 6N	152	3	35.240	ND	17.22+- 3.8%		4982
13086	14/11/84	56:30: 6N	152	146	35.245	ND	22.24+- 3.0%		4983
13087	15/11/84	57: 0:12N	172	3	34.907	ND	65.32+- 1.1%		4984
13087	15/11/84	57: 0:12N	172	169	35.322	NA	NA		4985
13088	15/11/84	56:59:54N	130	3	34.837	4.26+-28.1%	86.10+- 1.3%	20.2	4986
13088	15/11/84	56:59:54N	130	3	34.992	3.88+-30.8%	82.45+- 1.4%	21.3	4987
13088	15/11/84	56:59:54N	130	126	35.052	ND	51.00+- 1.4%		4988
13089	15/11/84	57: 0: 0N	40	3	34.706	1.99+-58.9%	118.71+- 1.0%	59.8	4989
13090	15/11/84	57:30: 0N	122	3	34.918	3.39+-34.6%	113.41+- 1.0%	33.4	4990
13091	15/11/84	58: 0: 0N	140	3	34.603	4.03+-29.2%	143.67+- 0.8%	35.7	4991
13092	15/11/84	58:30: 6N	94	3	34.618	3.62+-34.5%	141.37+- 0.9%	39.1	4992
13092	15/11/84	58:30: 6N	94	89	34.751	5.71+-20.0%	116.49+- 1.0%	20.4	4993
13093	15/11/84	58:30: 0N	126	3	34.601	3.93+-29.6%	146.11+- 0.8%	37.2	4994
13093	15/11/84	58:30: 0N	126	121	34.808	ND	109.60+- 0.7%		4995
13094	15/11/84	58:29:54N	58	3	34.464	4.85+-23.5%	144.81+- 0.8%	29.9	4996
13094	15/11/84	58:29:54N	58	52	34.649	4.34+-26.6%	143.19+- 0.8%	33.0	4997
13095	15/11/84	59: 0: 0N	76	3	34.912	4.06+-28.9%	116.35+- 1.0%	28.6	4998
13096	16/11/84	59:29:54N	126	3	NA	ND	39.30+- 1.8%		4999
13096	16/11/84	59:29:54N	125	114	35.837	ND	37.24+- 1.9%		5000
13097	16/11/84	59:56:48N	88	3	35.132	ND	43.77+- 1.6%		5001
13098	16/11/84	60:21:48N	69	3	35.206	ND	22.26+- 3.0%		5002
13099	16/11/84	60:21:12N	70	3	35.262	ND	15.82+- 4.1%		5003
13100	17/11/84	60: 0: 0N	122	3	35.474	ND	16.37+- 4.0%		5004
13101	17/11/84	59:30: 0N	107	3	35.255	ND	10.47+- 6.2%		5005
13102	17/11/84	59: 0: 0N	130	3	35.256	ND	6.04+-10.6%		5006
13103	18/11/84	58:30: 0N	132	3	35.253	ND	13.14+- 5.1%		5007
13104	18/11/84	58: 0: 0N	122	3	35.431	ND	14.57+- 4.4%		5008

ANNEX 3. Continued

Concentrations of ^{134}Cs and ^{137}Cs in filtered seawater (Bq m^{-3}): non-routine offshore sampling, 1980-84

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	^{134}Cs	^{137}Cs	Ratio	Sample no.
13105	18/11/84	57:30: 0N	86	3	35.209	ND	27.13+- 2.5%		5009
13106	18/11/84	57: 0: 0N	84	3	35.170	ND	20.35+- 3.3%		5010
13107	19/11/84	56:30: 0N	88	3	34.903	ND	38.30+- 1.8%		5011
13108	19/11/84	56: 0: 0N		3	34.814	ND	71.61+- 1.1%		5012
13109	19/11/84	55:30: 0N	82	3	34.689	ND	92.18+- 0.9%		5013
13110	19/11/84	55: 0: 0N	61	3	34.694	ND	116.79+- 0.7%		5014
13111	19/11/84	54:28:18N	52	3	34.699	ND	122.74+- 0.7%		5015
13112	19/11/84	53:45: 0N	28	3	34.574	3.89+-22.0%	121.13+- 0.7%	31.1	5016
13113	19/11/84	53: 0: 0N	22	3	34.502	3.46+-24.8%	132.37+- 0.6%	38.3	5017
Site 51 Challenger									
2006	5/ 7/84	54:22: 0N	33	3	34.051	ND	439.80+- 0.9%		4772
2007	5/ 7/84	54:26: 0N	47	3	33.897	20.30+-41.5%	596.70+- 0.9%	29.4	4773
2008	5/ 7/84	54:30: 0N	38	3	33.809	32.71+-12.2%	648.12+- 0.4%	19.8	4774
2009	5/ 7/84	54:34: 0N	57	3	33.859	24.80+-18.0%	627.90+- 0.4%	25.3	4775
2009	5/ 7/84	54:34: 0N	57	45	33.763	28.02+-23.5%	601.86+- 0.7%	21.5	4776
2010	5/ 7/84	54:38: 0N	29	3	33.774	28.20+-30.5%	659.40+- 0.9%	23.4	4777
Site 51 Challenger									
10001	17/11/84	54:43:30N	260	250	33.897	26.55+- 8.9%	660.90+- 0.3%	24.9	4780
10002	16/11/84	54:43:42N	125	115	33.845	34.21+- 5.3%	751.60+- 0.2%	22.0	4781
10003	17/11/84	54:43:41N	135	125	33.767	28.41+- 6.1%	639.42+- 0.3%	22.5	4782
10008	2/12/84	56:47: 0N	125	60	35.152	ND	20.42+- 6.2%		4783
10008	2/12/84	56:48:24N	130	125	35.127	ND	15.72+- 8.7%	4.0	4784

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Ministry of Agriculture, Fisheries and food
Directorate of Fisheries Research
Fisheries Laboratory
Lowestoft
Suffolk
NR33 OHT
England

Radiocaesium in the seas of northern Europe: 1980-84