

# Radiocaesium in the seas of northern Europe: 1985 - 89

A.J. Baxter and W.C. Camplin



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MINISTRY OF AGRICULTURE, FISHERIES AND FOOD  
DIRECTORATE OF FISHERIES RESEARCH

FISHERIES RESEARCH DATA REPORT  
NUMBER 32

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Lowestoft

1993

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## **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 (MAFF) 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 1985-89 and is the fifth in a series which fully documents results from the period 1962-1989. 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 geographic scope of the data are also provided to assist the user.

## **1. INTRODUCTION**

This is the fifth report in a series covering radiocaesium concentrations in the seas of northern Europe. The first report covered the period 1980-1984 and included a brief history of the use of radiocaesium as a tracer of water movements and in hydrographic modelling studies of north European waters (Camplin and Steele, 1991). Subsequent reports in the series have covered the periods 1975-79 (Baxter, Camplin and Steele, 1992), 1970-74 (Baxter and Camplin, 1993(a)) and 1962-69 (Baxter and Camplin, 1993(b)).

The purpose of this report is to fully document the results of measurements of radiocaesium in sea water collected between 1985 and 1989 inclusive and measured by the Fisheries Laboratory of the Ministry of Agriculture, Fisheries and Food (MAFF) in the United Kingdom. Further reports will be produced in due course in order to publish recent results. The data included in this report are available on diskette from the principal 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 sampling methods 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. Shore-line samples were 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 0.22  $\mu\text{m}$  filter papers (0.45  $\mu\text{m}$  filter papers were used after August 1989) or 2  $\mu\text{m}$  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 of between a few hours to a year depending on the availability of the 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 containing ammonium-duodecamolybdophosphate on silica gel (ASG) or potassium cobaltihexacyanoferrate (KCFC). Those samples which had been acidified with hydrochloric acid were passed through cartridges containing KCFC. KCFC was chosen where high levels of radiocaesium and significant concentrations of zirconium-95 and niobium-95 in sea water were anticipated. 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 (T1) 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<sup>-3</sup>.

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 such as those 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  $\pm 0.003$ , 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 in Annexes 1-3 as follows:

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

The data comprises 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. The positions provided for stations in Annex 2 are nominal. Routine offshore samples have been collected at the 'nominal' position, whenever weather conditions have permitted. Otherwise, the actual location sampled has been within an acceptable range of the 'nominal' position.
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, station depths 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 <sup>-3</sup> . '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. In more recent years, the concentration of caesium-134 measured has frequently been at the limit of detection for the methods of analysis used. Consequently, the errors for many determinations of caesium-134 have been relatively high (between 20 and 60%). In view of this, the caesium-134 data and the ratios derived from them should not be used in isolation, and the errors should always be taken into consideration.
Ratio	This refers to the ratio of the concentration of caesium-137 over the concentration of caesium-134 where both radionuclides have been detected.



- DUTTON, J. W. R., 1970. Determination of radiocaesium in sea and freshwaters. Tech. Rep. Radiobiol. Lab., MAFF Direct. Fish. Res., Lowestoft, (*FRL 6*): 9 pp.
- IAEA, 1988. Report on the intercomparison run SO-A-1. Radionuclides in marine sediment. International Atomic Energy Agency, Monaco, 28 pp.
- STEELE, A.K., 1989. Laboratory intercomparison of  $^{137}\text{Cs}$  in sea water. Fish. Tech. Note Radiobiol. Lab., MAFF Direct. Fish. Res., Lowestoft, (RL 1/89): 23 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: 12-21.

*The reference to proprietary products in this report should not be construed as an official endorsement of these products, nor is any criticism implied of similar products which have not been mentioned.*

**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	21	43	Tomess	24	Inlet	55:58:15N	2:24:31W	67	745	754	
1	21			32	Thornton Loch Beach	55:57:43N	2:23:39W	67	754	744	
1	21	30	Hartlepool	1	Little Scar	54:39:57N	1:11:4W	93	526	304	
1	22			3	North Gare	54:38:55N	1:9:41W	93	541	285	
1	22	12	Sizewell	18	Lowestoft Beach (SE)	52:27:10N	1:44:20E	134	540	905	
1	23			15	Sizewell Inlet	52:12:32N	1:37:39E	156	478	630	
1	24			6	PLZ	52:12:42N	1:37:34E	156	477	671	
1	24			11	Aldeburgh	52:9:17N	1:36:25E	156	476	569	
1	25			20	Felixstowe	51:58:24N	1:22:52E	169	322	360	
1	25			21	Clacton	51:47:29N	1:10:2E	169	184	151	
1	26	8	Dungeness	10	Dungeness Inlet	50:54:32N	0:57:58E	189	85	164	
1	27	18	Winfrith	6	Poolc	50:41:20N	1:59:50W	195	6	875	
1	27			2	Kimmeridge	50:36:39N	2:7:53W	195	907	791	
1	28	22	Channel Islands	219	Alderney East	49:44:18N	2:11:30W				
1	28			224	Jersey, St Catherines	49:13:8N	2:1:29W				
1	29			216	Guernsey	49:27:24N	2:31:30W				
1	29	9	Hinkley	28	Minehead	51:12:32N	3:28:13W	181	973	466	
1	30			29	Watchet	51:10:58N	3:19:40W	181	72	435	
1	30			10	Inlet	51:13:2N	3:7:47W	182	212	471	
1	31			18	Burnham on Sea	51:14:11N	2:59:55W	182	303	491	
1	32			31	Weston-Super-Mare	51:19:54N	2:59:5W	182	314	597	
1	32	6		Berkeley	116	Oldbury Inlet	51:38:54N	2:35:2W	162	596	946
1	32	34	Cartliff	4	Orchard Ledges East	51:27:55N	3:7:59W	171	213	747	
1	33	14	Wylfa	6	Holyhead	53:18:59N	4:37:44W	114	249	832	
1	33			1	Cemlyn Bay Shore	53:24:48N	4:30:41W	114	331	937	
1	33			2	Cemaes Bay	53:24:53N	4:27:5W	114	371	937	
1	34			3	Llandudno	53:19:29N	3:47:24W	116	808	824	
1	34			4	Prestatyn	53:20:33N	3:24:54W	116	58	838	
1	35	1		Sellafield	134	New Brighton	53:26:33N	3:3:9W	108	301	945
1	35		51		Ainsdale	53:36:31N	3:3:56W	108	295	130	
1	36		33		Rossal (Fleetwood)	53:54:0N	3:2:55W	102	311	454	
1	37	29	Heysham	18	Inlet	54:1:40N	2:55:20W	102	396	595	
1	37			2	Half Moon Bay	54:2:19N	2:54:37W	96	404	607	
1	38	1	Sellafield	74	Walney West Shore	54:7:5N	3:16:17W	96	169	699	
1	38			52	Silecroft	54:13:1N	3:20:53W	96	121	810	
1	39			24	Drigg Barn Scar	54:22:19N	3:28:18W	96	44	984	
1	39			23	Seascale	54:23:36N	3:29:6W	89	36	8	
1	40			59	Braystones	54:26:15N	3:32:42W	89	998	58	
1	40			18	Nethertown	54:27:19N	3:33:57W	89	985	78	
1	41			100	St Bees-W	54:29:20N	3:36:26W	89	959	116	
1	44			39	W/A Shore	54:33:1N	3:35:56W	89	966	184	
1	44			15	Maryport Shore	54:44:30N	3:27:26W	89	62	395	
1	45			53	Silloth	54:53:1N	3:22:41W	85	116	553	
1	45			54	Southerness	54:52:22N	3:35:40W	84	977	543	
1	46	2		Chapelcross	58	Southerness	54:52:22N	3:35:40W	84	977	543
1	46				71	Rockcliffe	54:51:40N	3:47:31W	84	850	533
1	46	1	Sellafield	57	Ross Bay	54:46:35N	4:5:46W	83	652	444	
1	47			4	Isle of Whithorn	54:41:59N	4:21:32W	83	480	362	
1	47			2	Drummore	54:41:30N	4:53:16W	82	139	368	
1	48			56	Portpatrick	54:50:23N	5:7:5W	82	998	539	

**Table 1. Continued**

Annex	Page	Site no.	Site name	Station no.	Station name or cruise	Position		National Grid reference		
						Latitude	Longitude	Sheet	Easting	Northing
1	48	2	Chapelcross	70	Knock Bay (Stranraer)	54:52:23N	5: 8:44W	82	982	577
1	49	52	Northern Ireland	190	North of Larne Harbour	54:52: 0N	5:48: 0W			
1	50	10	Hunterston	18	Rearing Tank Inlet (Beach)	55:42:59N	4:54: 9W	63	177	508
1	51			25	Inlet	55:43:21N	4:54: 5W	63	178	515
1	52	15	Doumreay	110	Sandside Bay	58:34:12N	3:47:30W	11	958	660
2	54	48	DAFS* Water	3	Fair Isle					
2	55		Samples	4	Buckie					
2	56			5	Aberdeen					
2	57			6	Arbroath					
2	57	22	Channel Islands	218	Jersey, Ecrehos					
2	58	50	St Georges	1	Fishguard-Rosslare 1					
2	58		Channel	2	Fishguard-Rosslare 2					
2	59			3	Fishguard-Rosslare 3					
2	59	1	Sellafield	82	Dahn Buoy					
2	60			83	Midpoint Net Position					
2	61			116	PLZ Current Meter					
2	62	47	NEA Challenger	17	North Channel St 1					
2	62		Line	18	North Channel St 2					
2	63			19	North Channel St 3					
2	63			20	North Channel St 4					
2	63			21	North Channel St 5					
2	63			22	North Channel St 6					
2	63			16	Larne-Stranraer MidPoint					
2	64	49	North Channel	1	Corsewall					
2	64			2	Mid Channel					
2	64			3	Hunter					
2	65	46	NEA Weather	1	Station A					
2	65		Ships	2	Station B					
2	65			3	Station C					
2	66			4	Station D					
2	66			5	Station E					
2	66	47	NEA Challenger	1	Challenger St 1					
2	68		Line	2	Challenger St 2					
2	69			3	Challenger St 3					
2	70			4	Challenger St 4					
2	71			5	Challenger St 5					
2	72			6	Challenger St 6					
2	73			15	Challenger St 6/7					
2	74			7	Challenger St 7					
2	75			8	Challenger St 8					
2	76			9	Challenger St 9					
2	76			10	Challenger St 10					
2	77	48	DAFS* Water	1	Cape Wrath					
2	78		Samples	2	Pentland Firth					
3	81	38	Cirolana		4/85					
3	82				6/85					
3	100				7/85					
3	101	39	Clione		4/85					
3	103				5/85					
3	105				7/85					

**Table 1. Continued**

Annex	Page	Site no.	Site name	Station no.	Station name or cruise	Position		National Grid reference		
						Latitude	Longitude	Sheet	Easting	Northing
3	106	42	Prince Madog		1/85					
3	110	51	Challenger		1/85					
3	110				8/85					
3	110	38	Cirolana		6/86					
3	111				7/86					
3	113	39	Clione		2/86					
3	114				5/86					
3	122				11/86					
3	123				12/86					
3	123	41	G.A. Reay		1/86					
3	124				2/86					
3	124	51	Challenger		1/86					
3	125				2/86					
3	125	38	Cirolana		6/87					
3	126				7/87					
3	128				8/87					
3	129	39	Clione		1/87					
3	130				5/87					
3	137	41	G.A. Reay		/87					
3	137	51	Challenger		1/87					
3	138				2/87					
3	139	38	Cirolana		6/88					
3	139				7/88					
3	146				9/88					
3	147	40	Corella /Dawn Sky		1/88					
3	156	51	Challenger		1/88					
3	157	38	Cirolana		6/89					
3	157				7/89					
3	160				8/89					
3	172	51	Challenger		/89					
3	173	55	Corystes		3/89					

*Notes:*

*The 'site' numbers and names are used at DFR as a convenient tool to group together samples. 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*

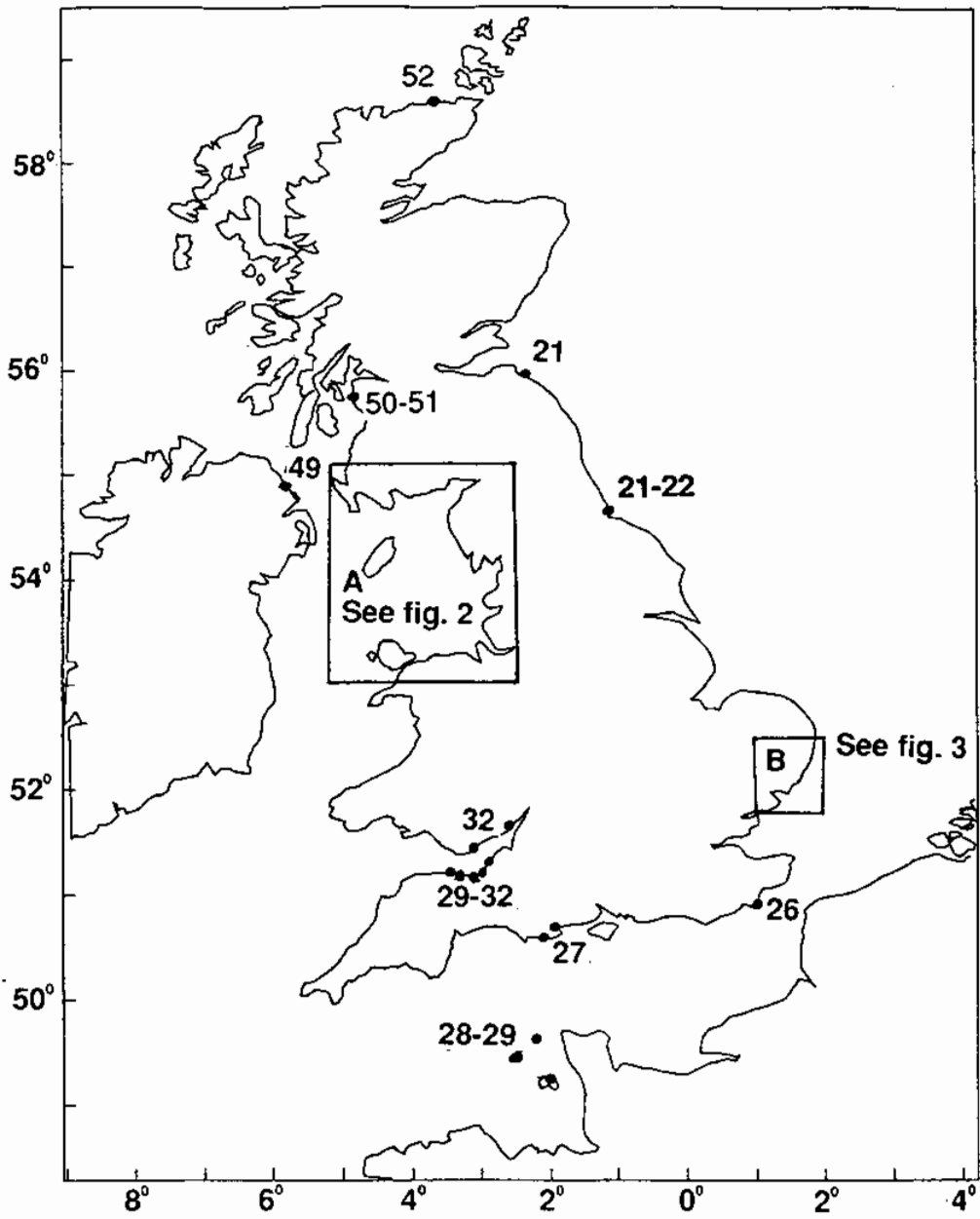
*\* Now SOAFD (Scottish Office Agriculture and Fisheries Department)*

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

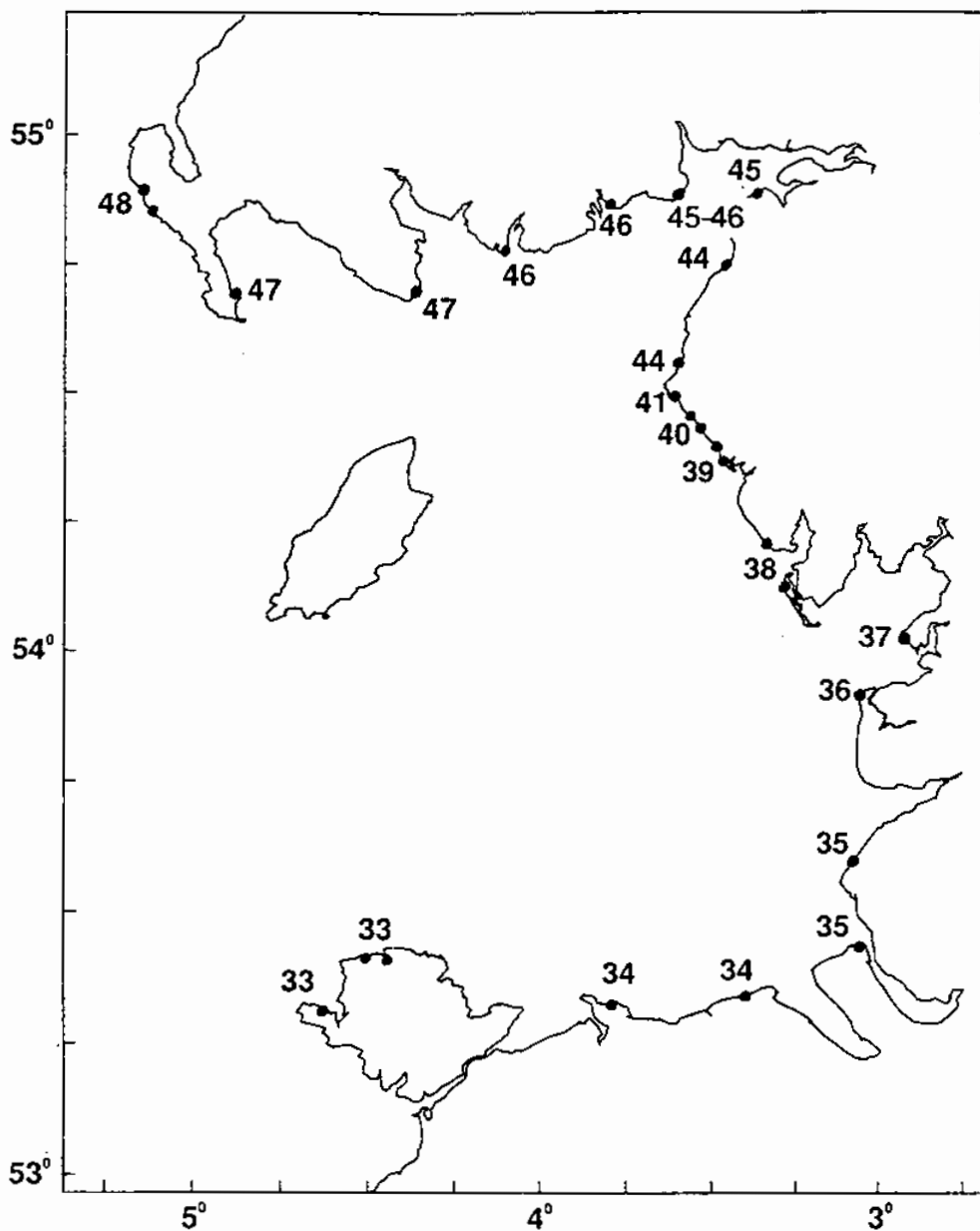
Vessel	Cruise no.	Page no.	Norwegian Sea	Spitzbergen Bear Island	Kattegat and Skagerrak	North Sea			Iceland Grounds	NW Coast Scotland N Ireland Via	
			IIa	IIb	IIIa	North	Central	South	Va		
						IVa	IVb	IVc			
Cirolana	4/85	81						X			
	6/85	82	X	X		X	X	X		X	
	7/85	100				X	X	X			
Clione	4/85	101						X			
	5/85	103						X			
	7/85	105						X			
Prince Madog	1/85	106								X	
Challenger	1/85	110									X
	8/85	110									
Cirolana	6/86	110									
Clione	7/86	111				X	X	X			
	2/86	113									
	5/86	114				X	X	X			X
G.A. Reay	11/86	122									
	12/86	123									
	1/86	123	X	X		X					
Challenger	2/86	124				X					
	1/86	124									
2/86	125										
Cirolana	6/87	125									
Clione	7/87	126				X	X	X			
	8/87	128					X				
	1/87	129									
G.A. Reay	5/87	130						X			X
	/87	137				X					
	1/87	137									
2/87	138										
Cirolana	6/88	139									
Corella / Dawn Sky	7/88	139			X	X	X	X			
	9/88	146						X			
	1/88	147				X	X	X			X
1/88	156									X	
Cirolana	6/89	157							X		
Challenger	7/89	157			X	X	X	X			X
	8/89	160	X	X		X	X	X			X
	/89	172									X
Corystes	3/89	173						X			X

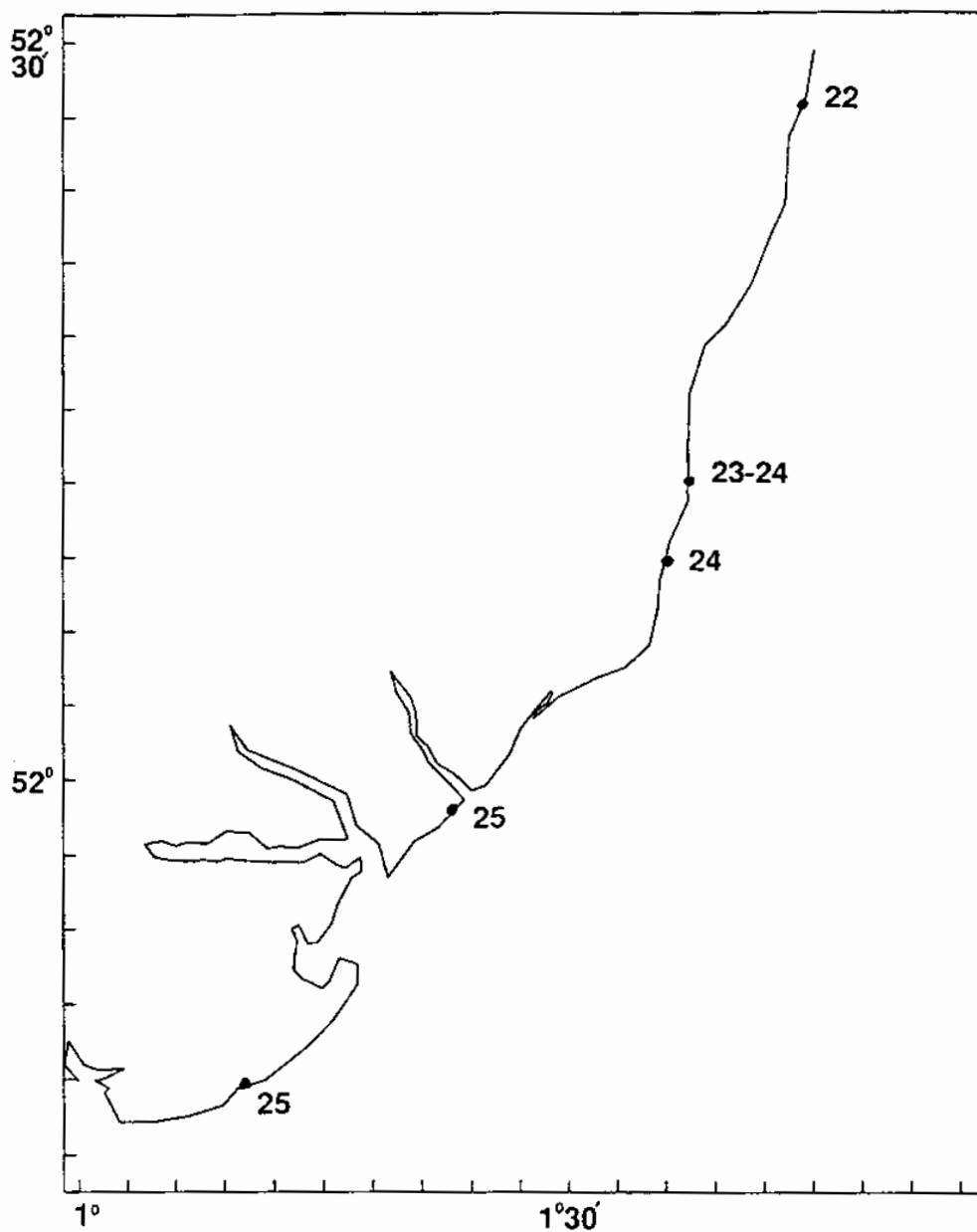
Vessel	Cruise no.	Page no.	Irish Sea	W Coast Ireland Porcupine Bank	English Channel		Bristol Channel	S Coast Ireland	Bay of Biscay	S East Greenland
			VIIa	VIIb,c	East	West	VIII	VIII	XIVb	
					VIIe	VIIe	VIIIf	VIIIf-g-k		
Cirolana	4/85	81	X		X		X			
	6/85	82		X	X	X	X			
	7/85	100								
Clione	4/85	101	X		X	X	X	X		
	5/85	103	X		X	X	X			
	7/85	105	X		X	X	X			
Prince Madog	1/85	106	X							
Challenger	1/85	110	X							
	8/85	110								
Cirolana	6/86	110	X		X	X		X		
Clione	7/86	111							X	
	2/86	113	X				X	X		
	5/86	114	X		X	X	X	X		
G.A. Reay	11/86	122	X							
	12/86	123								
	1/86	123								
Challenger	2/86	124								
	1/86	124	X							
2/86	125	X								
Cirolana	6/87	125	X							
Clione	7/87	126								
	8/87	128								
	1/87	129	X							
G.A. Reay	5/87	130	X		X	X		X		
	/87	137								
	1/87	137	X							
2/87	138	X								
Cirolana	6/88	139								
Corella / Dawn Sky	7/88	139								
	9/88	146	X		X	X	X	X		
	1/88	147	X		X	X	X	X		
1/88	156									
Cirolana	6/89	157								
Challenger	7/89	157								
	8/89	160	X		X	X	X	X		
	/89	172	X					X		
Corystes	3/89	173	X		X	X		X		



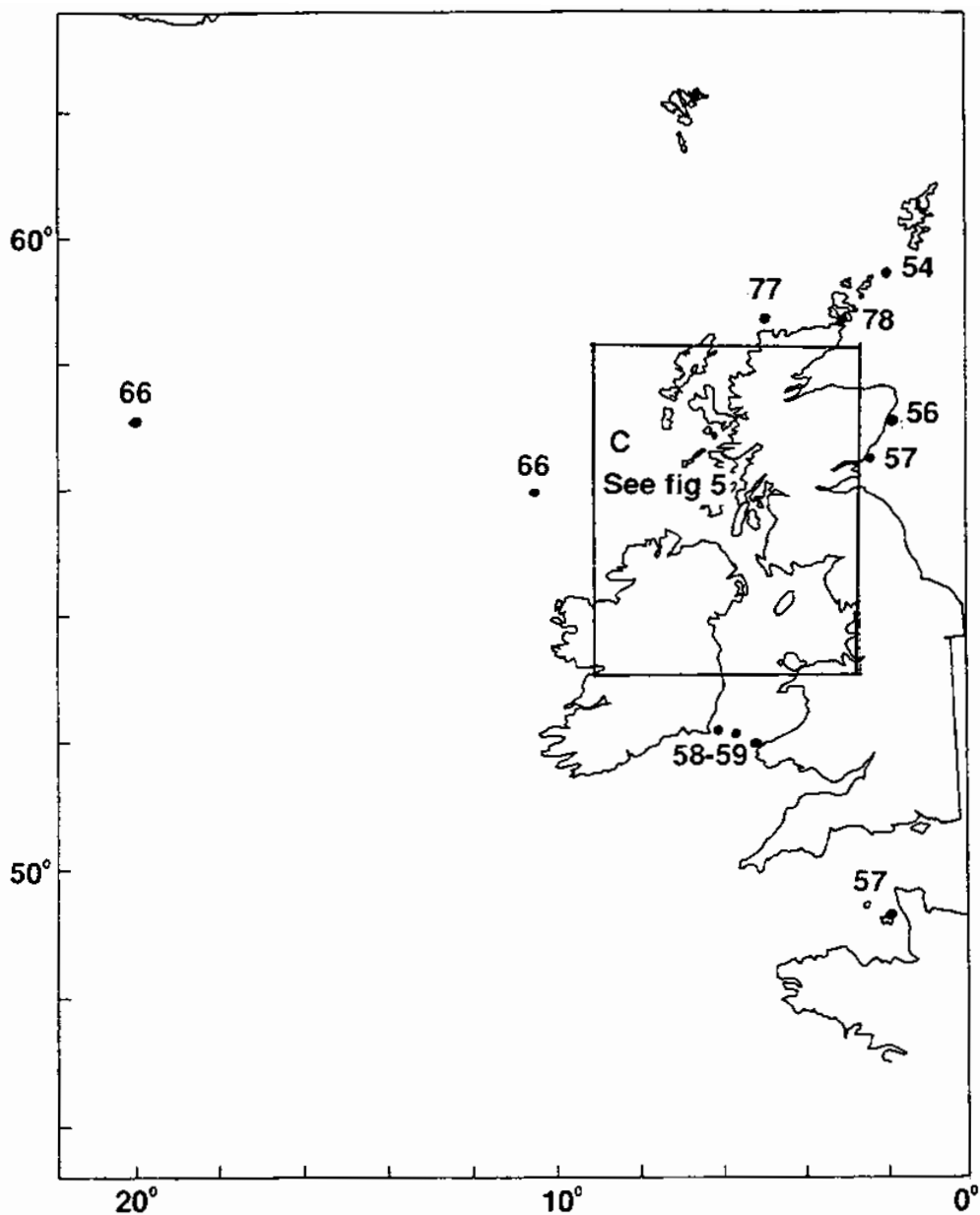
**Figure 1.** Location of shoreline sampling positions from Annex 1. The numbers shown on this figure refer to page numbers in the report



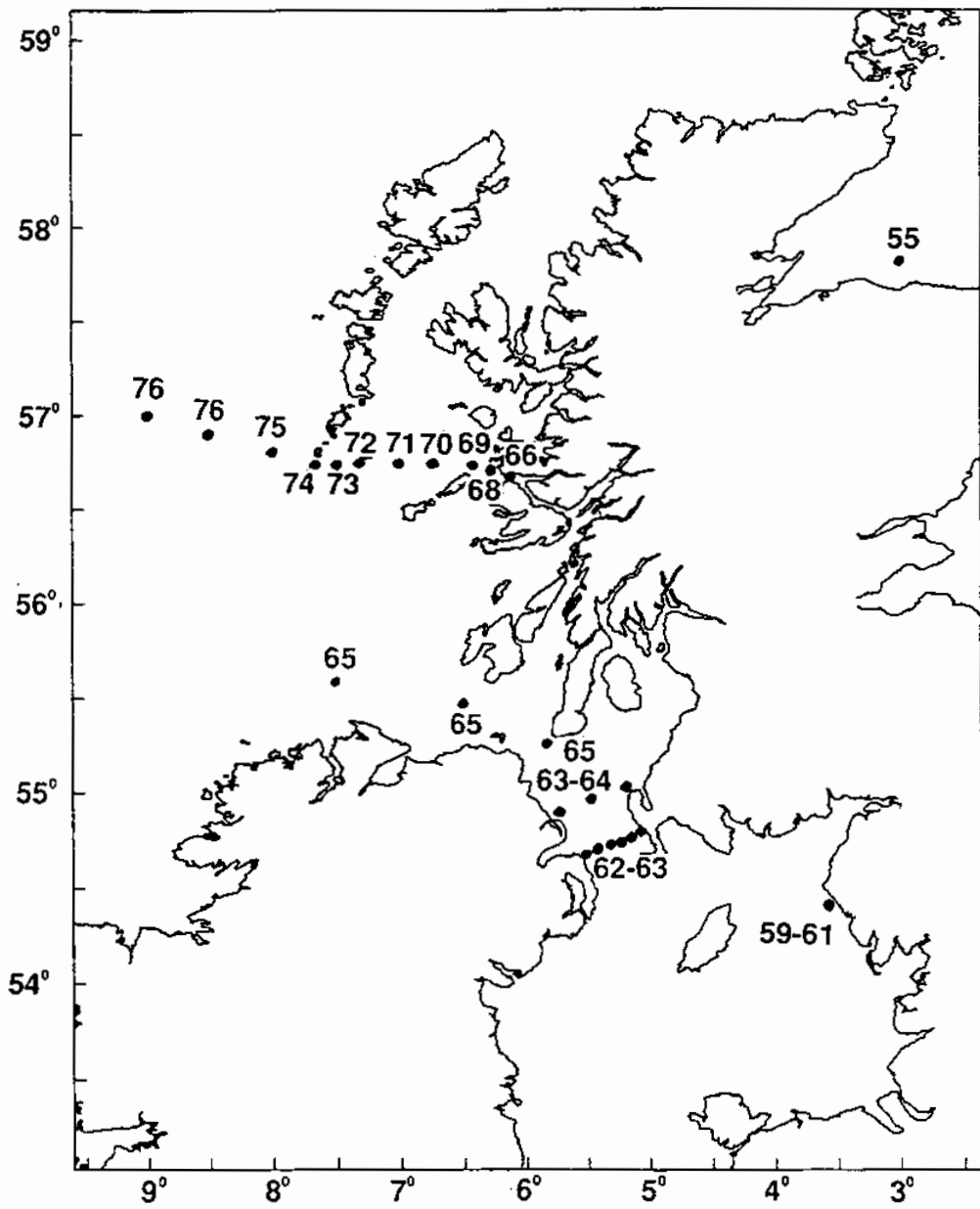
**Figure 2. Location of shoreline sampling positions from Annex 1 - Inset A (see Figure 1). The numbers shown on this figure refer to page numbers in the report**



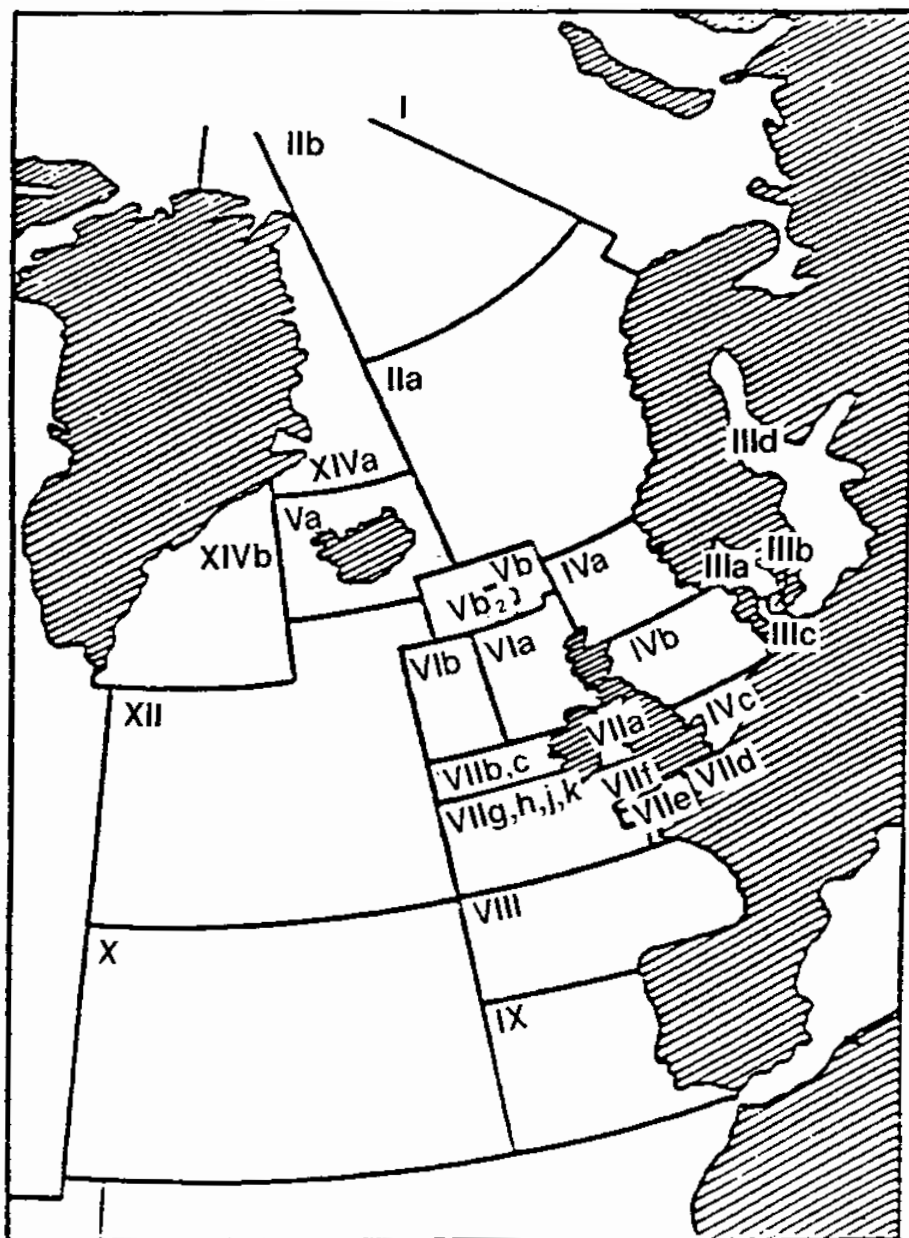
**Figure 3. Location of shoreline sampling positions from Annex 1 - Inset B (see Figure 1).  
The numbers shown on this figure refer to page numbers in the report**



**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  $^{134}\text{Cs}$  AND  $^{137}\text{Cs}$  IN FILTERED SEA WATER ( $\text{Bq m}^{-3}$ ):  
SHORELINE SAMPLING, 1985-89**

**Annex 1 . Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
<b>Site 43 Torness</b>					
<b>Station 24 Inlet</b>		<b>55:58:15N 2:24:31W</b>			
15/ 4/89	33.643	NA	NA		2676
15/ 5/89	33.794	NA	NA		3232
15/ 5/89	NA	ND	27.41+- 2.2%		4551
15/ 6/89	34.104	NA	NA		4296
7/ 7/89	NA	ND	24.69+- 6.3%		8158
15/ 7/89	33.867	NA	NA		4751
11/ 8/89	NA	ND	24.94+- 6.0%		8159
15/ 8/89	34.014	NA	NA		5246
8/ 9/89	NA	ND	22.31+- 6.7%		8160
6/10/89	NA	ND	24.18+- 6.2%		8161
4/11/89	NA	ND	26.61+- 5.9%		8162
15/12/89	NA	ND	24.59+- 3.0%		8163
<b>Site 43 Torness</b>					
<b>Station 32 Thornton Loch Beach</b>		<b>55:57:43N 2:23:39W</b>			
19/ 2/87	33.504	10.72+-30.7%	71.62+- 3.6%	6.7	3899
27/ 3/87	33.786	11.72+-28.1%	79.21+- 3.4%	6.8	3897
28/ 4/87	33.422	14.31+-20.6%	70.72+- 3.5%	4.9	3898
30/ 5/87	33.162	10.47+-31.6%	68.83+- 3.6%	6.6	7751
24/ 6/87	30.293	8.22+-36.8%	56.01+- 4.1%	6.8	7737
31/ 7/87	29.225	ND	51.59+- 3.1%		7739
24/ 9/87	33.879	ND	54.03+- 7.1%		7742
26/10/87	23.860	ND	38.30+- 8.1%		7743
10/11/87	32.608	ND	35.65+- 4.1%		7740
10/12/87	NA	5.50+-46.3%	40.26+- 4.6%	7.3	9130
11/ 5/88	NA	ND	37.13+- 2.1%		3221
13/ 6/88	32.416	ND	42.30+- 2.4%		8026
19/ 7/88	32.954	ND	59.47+- 1.2%		8027
28/10/88	34.114	ND	37.37+- 3.6%		8028
26/ 1/89	34.132	ND	31.12+- 2.1%		1501
<b>Site 30 Hartlepool</b>					
<b>Station 1 Little Scar</b>		<b>54:39:57N 1:11: 4W</b>			
5/ 3/85	34.037	ND	86.11+- 3.3%		3585
20/ 6/85	33.965	ND	132.15+- 3.1%		1994
2/ 9/85	33.650	ND	121.75+- 1.0%		3769
16/11/85	33.702	11.80+-21.7%	111.85+- 2.0%	9.5	4706
28/ 4/86	33.276	3.03+-51.3%	91.55+- 1.3%	30.2	805
23/10/86	33.688	7.73+-27.3%	89.39+- 1.8%	11.6	5120
23/ 1/87	33.412	NA	NA		359
20/ 2/87	32.621	NA	NA		517
10/ 3/87	32.588	NA	NA		4100
7/ 4/87	27.624	NA	NA		4104

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
13/ 5/87	33.337	NA	NA		4106
16/ 5/87	33.708	5.89+-43.3%	55.12+- 3.9%	9.4	3786
3/ 6/87	32.555	NA	NA		4108
3/ 7/87	33.356	NA	NA		4845
10/ 9/87	33.450	NA	NA		6589
9/10/87	33.599	NA	NA		6590
4/11/87	33.265	NA	NA		7457
9/11/87	33.680	ND	44.62+- 3.4%		7745
1/12/87	32.997	NA	NA		8652
28/ 4/88	33.081	ND	32.45+- 3.2%		2478
27/10/88	33.752	ND	32.70+- 2.9%		7308
20/ 4/89	33.358	ND	27.90+- 4.8%		2449
2/10/89	34.119	ND	24.66+- 4.9%		5829
<i>Site 30 Hartlepool</i>					
<i>Station 3 North Gare</i>			54:38:55N 1: 9:41W		
15/ 1/88	33.591	NA	NA		1744
15/ 2/88	33.389	NA	NA		1908
15/ 3/88	33.292	NA	NA		3683
15/ 4/88	33.263	NA	NA		2010
15/ 5/88	33.712	NA	NA		3684
15/ 6/88	33.892	NA	NA		3727
15/ 7/88	34.147	NA	NA		4865
15/ 8/88	33.901	NA	NA		5481
15/ 9/88	33.645	NA	NA		6942
15/ 1/89	33.908	NA	NA		1999
15/ 2/89	33.927	NA	NA		2000
15/ 3/89	33.959	NA	NA		2001
15/ 4/89	33.901	NA	NA		3292
15/ 5/89	33.843	NA	NA		3293
15/ 6/89	33.724	NA	NA		4301
15/ 7/89	34.192	NA	NA		4775
15/ 8/89	34.094	NA	NA		5529
<i>Site 12 Sizewell</i>					
<i>Station 18 Lowestoft Beach (SE)</i>			52:27:10N 1:44:20E		
14/ 1/85	NA	ND	128.21+- 2.9%		3
5/ 2/85	NA	ND	142.23+- 2.7%		181
1/ 4/85	NA	ND	145.31+- 2.5%		1318
13/ 5/85	NA	ND	122.72+- 3.3%		1323
3/ 6/85	NA	ND	117.65+- 3.3%		1324
3/ 7/85	32.913	ND	89.63+- 3.2%		1796
2/ 8/85	33.303	ND	96.77+- 2.9%		2839
3/ 9/85	34.055	ND	66.07+- 4.1%		4084
3/10/85	33.783	ND	65.01+- 4.1%		4085

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6/11/85	33.937	ND	76.91+- 3.8%		4705
10/12/85	33.290	ND	79.21+- 3.5%		5411
18/ 2/86	32.666	ND	82.55+- 1.0%		59
30/ 4/86	32.838	ND	90.77+- 0.9%		634
9/ 5/86	33.038	16.59+- 7.6%	112.31+- 1.1%	6.8	684
14/ 8/86	33.293	13.69+-10.0%	109.26+- 1.1%	8.0	3397
19/11/86	NA	10.02+-15.2%	70.88+- 1.7%	7.1	5384
24/ 2/87	32.729	5.47+-26.1%	76.96+- 1.5%	14.1	450
15/ 5/87	32.912	6.67+-19.7%	77.21+- 1.5%	11.6	2956
14/ 8/87	33.192	11.06+-15.9%	76.88+- 1.7%	7.0	5282
16/11/87	33.343	3.37+-43.4%	54.76+- 2.1%	16.2	7401
15/ 2/88	33.171	ND	13.08+- 4.9%		496
18/ 5/88	32.811	NA	NA		2725
23/ 6/88	NA	ND	33.82+- 2.0%		3238
15/ 8/88	33.672	ND	33.91+- 2.3%		4218
16/11/88	33.837	3.60+-24.2%	40.40+- 1.2%	11.2	6875
24/ 1/89	34.962	2.27+-57.8%	33.62+- 3.2%	14.8	193
20/ 2/89	33.574	ND	37.48+- 2.0%		382
20/ 3/89	33.421	2.67+-31.2%	28.24+- 2.2%	10.6	1047
14/ 4/89	33.474	ND	34.35+- 2.0%		1628
24/ 5/89	33.585	ND	29.70+- 2.3%		2533
21/ 6/89	33.501	ND	29.91+- 2.1%		3117
19/ 7/89	33.652	ND	32.14+- 2.0%		3888
23/ 8/89	33.848	2.43+-35.9%	39.68+- 1.7%	16.4	4957
20/ 9/89	34.036	ND	34.24+- 1.5%		5555
18/10/89	34.126	ND	31.25+- 2.6%		5560
20/11/89	34.285	19.00+- 7.4%	169.80+- 0.8%	8.9	6989
19/12/89	33.976	ND	32.50+- 2.3%		7621
<b>Site 12 Sizewell</b>					
<b>Station 15 Sizewell Inlet</b>			<b>52:12:32N 1:37:39E</b>		
15/ 1/85	NA	ND	109.80+- 2.2%		183
15/ 2/85	NA	ND	117.99+- 1.7%		192
15/ 3/85	33.809	ND	102.19+- 1.1%		1316
15/ 4/85	33.767	20.03+-18.8%	145.25+- 2.0%	7.3	1319
15/ 5/85	33.303	3.01+-48.5%	94.00+- 1.2%	31.3	1325
15/ 6/85	33.413	ND	162.10+- 1.7%		1807
15/ 7/85	33.618	19.43+-26.1%	242.61+- 1.6%	12.5	2860
15/ 8/85	34.294	ND	66.79+- 3.5%		3589
15/ 9/85	34.630	ND	156.56+- 1.7%		4043
15/10/85	34.299	ND	69.75+- 2.7%		4242
15/11/85	34.120	ND	92.21+- 2.5%		5021
15/12/85	34.287	ND	65.82+- 4.0%		5604

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<i>Site 12 Sizewell</i>					
<i>Station 6 PLZ</i>					
			52:12:42N 1:37:34E		
16/ 1/89	35.004	ND	30.39+- 2.4%		191
14/ 2/89	33.879	6.24+-21.3%	69.35+- 1.6%	11.1	351
15/ 3/89	34.216	5.04+-17.1%	39.85+- 1.7%	7.9	1045
17/ 4/89	33.460	ND	32.09+- 2.2%		1662
23/ 5/89	33.564	ND	31.57+- 2.2%		2532
20/ 6/89	33.283	4.78+-24.3%	31.89+- 3.0%	6.7	3113
17/ 7/89	33.762	ND	29.88+- 2.2%		3597
23/ 8/89	34.031	ND	38.72+- 1.3%		4955
15/ 9/89	34.093	3.73+-23.5%	67.63+- 1.1%	18.1	4960
17/10/89	34.214	12.00+-12.6%	119.10+- 1.2%	9.9	5558
20/11/89	34.815	ND	22.19+- 3.2%		6993
19/12/89	34.185	ND	52.64+- 1.6%		7619
<i>Site 12 Sizewell</i>					
<i>Station 11 Aldeburgh</i>					
			52: 9:17N 1:36:25E		
22/ 1/85	NA	ND	147.15+- 2.7%		5
4/ 2/85	NA	ND	111.44+- 3.5%		182
5/ 3/85	NA	ND	130.18+- 3.1%		193
2/ 4/85	NA	ND	80.01+- 4.9%		1317
7/ 5/85	NA	ND	152.32+- 2.5%		1320
4/ 6/85	NA	58.23+-13.3%	961.71+- 0.8%	16.5	1326
4/ 7/85	33.502	ND	86.12+- 3.3%		1806
6/ 8/85	34.174	17.96+-32.1%	220.47+- 2.0%	12.3	2861
12/ 9/85	34.530	ND	52.30+- 2.7%		3588
1/10/85	34.310	ND	64.16+- 2.3%		4044
1/11/85	34.158	4.82+-55.7%	79.66+- 2.7%	16.5	4243
11/12/85	34.298	ND	96.15+- 2.7%		5022
24/ 2/86	NA	5.72+-30.7%	101.81+- 1.1%	17.8	5387
19/ 5/86	NA	37.98+-12.8%	74.16+- 5.6%	2.0	5386
13/ 8/86	NA	16.27+- 9.8%	99.18+- 1.3%	6.1	5385
17/11/86	NA	10.89+-13.6%	55.65+- 2.1%	5.1	5383
12/ 2/87	33.730	4.70+-28.5%	71.83+- 1.5%	15.3	448
14/ 5/87	33.068	11.51+-11.0%	95.71+- 1.2%	8.3	2957
17/ 8/87	33.372	12.90+-12.6%	85.29+- 1.4%	6.6	5283
16/11/87	34.285	ND	23.90+- 3.0%		7682
16/ 1/89	35.229	ND	27.02+- 2.7%		189
14/ 2/89	34.052	12.10+-11.0%	112.50+- 1.1%	9.3	349
15/ 3/89	34.301	2.34+-37.7%	14.86+- 4.3%	6.4	1043
17/ 4/89	33.494	ND	32.61+- 2.1%		1660
23/ 5/89	33.739	ND	37.71+- 1.8%		2531
20/ 6/89	33.562	3.21+-34.4%	52.45+- 1.8%	16.3	3115
17/ 7/89	33.799	ND	33.09+- 2.0%		3598
23/ 8/89	34.126	ND	35.64+- 1.4%		4956
15/ 9/89	34.098	ND	38.03+- 1.5%		4961

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
17/10/89	34.352	ND	24.80+- 2.0%		5559
20/11/89	34.834	ND	23.50+- 3.0%		6994
19/12/89	34.234	ND	28.47+- 2.8%		7620
<b>Site 12 Sizewell</b>					
<b>Station 20 Felixstowe</b>			<b>51:58:24N 1:22:52E</b>		
4/ 2/85	NA	ND	101.14+- 3.9%		184
7/ 5/85	NA	ND	115.95+- 3.2%		1321
6/ 8/85	33.668	ND	52.20+- 4.9%		2862
1/11/85	34.419	ND	51.44+- 2.7%		4244
24/ 2/86	34.785	ND	70.64+- 1.1%		110
19/ 5/86	32.881	69.26+- 4.1%	174.01+- 1.5%	2.5	859
13/ 8/86	33.755	19.11+- 7.6%	84.54+- 1.5%	4.4	3189
17/11/86	NA	13.05+-10.7%	57.12+- 2.0%	4.4	5382
12/ 2/87	33.251	5.98+-23.2%	66.85+- 1.7%	11.2	449
14/ 5/87	32.934	8.07+-15.7%	71.90+- 1.5%	8.9	2958
17/ 7/87	33.486	6.94+-23.2%	59.94+- 2.0%	8.6	5284
16/11/87	32.954	ND	24.97+- 3.0%		7681
12/ 2/88	31.357	ND	12.20+- 5.2%		495
17/ 5/88	33.150	ND	33.11+- 2.2%		2723
16/ 8/88	34.254	ND	18.20+- 2.5%		4220
15/11/88	34.149	2.00+-43.0%	19.90+- 3.0%	9.9	6863
16/ 1/89	34.964	ND	25.44+- 2.8%		190
14/ 2/89	33.987	ND	18.86+- 3.6%		350
15/ 3/89	33.534	ND	16.20+- 2.8%		1044
18/ 4/89	33.728	ND	18.91+- 3.5%		1665
23/ 5/89	33.872	ND	20.51+- 3.2%		2529
20/ 6/89	33.700	ND	25.98+- 2.4%		3116
17/ 7/89	33.700	ND	28.06+- 2.2%		3596
23/ 8/89	33.861	ND	32.17+- 1.6%		4954
15/ 9/89	33.932	ND	37.38+- 1.4%		4959
17/10/89	34.047	ND	34.18+- 1.6%		5556
20/11/89	34.595	ND	17.36+- 4.1%		6991
19/12/89	33.925	ND	23.53+- 3.2%		7617
<b>Site 12 Sizewell</b>					
<b>Station 21 Clacton</b>			<b>51:47:29N 1:10: 2E</b>		
4/ 2/85	NA	ND	73.78+- 4.9%		185
7/ 5/85	NA	ND	77.06+- 4.7%		1322
6/ 8/85	NA	ND	68.11+- 4.0%		2863
1/11/85	34.998	ND	24.58+- 5.5%		4245
24/ 2/86	32.871	3.47+-42.2%	85.14+- 1.3%	24.5	111
19/ 5/86	33.430	70.23+- 2.3%	165.53+- 1.1%	2.4	860

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
13/ 8/86	34.402	19.14+- 7.6%	70.15+- 1.7%	3.7	3190
17/11/86	NA	9.95+-13.8%	56.12+- 2.0%	5.6	5381
12/ 2/87	33.469	5.16+-26.1%	50.92+- 2.1%	9.9	447
14/ 5/87	34.153	ND	31.17+- 2.2%		2959
17/ 8/87	33.845	4.67+-32.2%	43.16+- 2.5%	9.2	5285
16/11/87	32.641	ND	22.44+- 3.3%		7680
12/ 2/88	31.516	ND	10.66+- 6.2%		494
17/ 5/88	33.030	ND	28.48+- 2.4%		2724
16/ 8/88	34.451	3.40+-26.6%	18.10+- 3.2%	5.3	4219
15/11/88	34.745	ND	11.00+- 3.8%		6862
16/ 1/89	34.983	ND	14.72+- 4.6%		192
14/ 2/89	34.305	ND	16.70+- 4.2%		352
15/ 3/89	33.693	ND	15.80+- 2.7%		1046
18/ 4/89	33.780	ND	13.40+- 4.6%		1663
23/ 5/89	34.176	ND	15.43+- 4.2%		2530
20/ 6/89	34.214	ND	20.99+- 2.8%		3114
17/ 7/89	34.093	ND	23.33+- 2.7%		3595
23/ 8/89	34.539	ND	23.69+- 1.9%		4953
15/ 9/89	34.303	1.94+-50.8%	31.71+- 2.4%	16.4	4958
17/10/89	34.633	ND	28.42+- 1.8%		5557
20/11/89	34.963	ND	14.59+- 4.7%		6992
19/12/89	34.310	26.76+- 5.6%	221.16+- 0.7%	8.3	7618

**Site 8 Dungeness**

Station 10 Dungeness Inlet

50:54:32N 0:57:58E

15/ 1/85	34.037	ND	14.25+- 4.7%		188
15/ 2/85	34.722	ND	13.15+- 5.3%		194
15/ 3/85	34.909	ND	11.90+- 6.9%		986
15/ 4/85	34.763	ND	11.99+- 5.9%		987
15/ 5/85	34.662	ND	19.71+- 7.6%		1795
15/ 6/85	34.916	ND	19.70+- 8.2%		3583
15/ 7/85	34.868	7.77+-17.9%	28.98+- 3.7%	3.7	3584
15/ 8/85	34.751	ND	13.07+-12.5%		3599
15/ 9/85	34.732	6.78+-44.8%	26.99+- 8.3%	4.0	4047
15/10/85	34.995	8.86+-33.9%	22.19+-10.1%	2.5	4298
15/11/85	35.043	ND	17.79+- 8.2%		5023
15/12/85	34.799	ND	10.82+-12.9%		5372
15/ 1/86	34.532	NA	NA		48
14/ 2/86	34.344	NA	NA		197
15/ 3/86	34.444	NA	NA		530
15/ 4/86	34.703	NA	NA		724
15/ 5/86	34.013	NA	NA		1338
15/ 6/86	35.013	NA	NA		2209
15/ 7/86	35.059	NA	NA		3394

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
15/ 1/87	34.479	NA	NA		4086
15/ 2/87	34.431	NA	NA		4087
15/ 3/87	34.789	NA	NA		4088
15/ 4/87	34.884	NA	NA		4089
15/ 5/87	34.821	NA	NA		4090
15/ 6/87	35.090	NA	NA		7445
15/ 7/87	35.257	NA	NA		7446
15/ 8/87	35.194	NA	NA		7447
15/ 9/87	35.043	NA	NA		7448
15/10/87	35.511	NA	NA		9104
15/11/87	35.455	NA	NA		9105
15/12/87	34.963	NA	NA		9106
15/ 1/88	34.610	NA	NA		1728
15/ 2/88	34.400	NA	NA		1729
15/ 3/88	34.381	NA	NA		1907
15/ 4/88	34.320	NA	NA		3020
15/ 5/88	34.727	NA	NA		3681
15/ 6/88	34.887	NA	NA		4130
15/ 7/88	34.829	NA	NA		4861
15/ 8/88	34.837	NA	NA		5477
15/ 9/88	34.879	NA	NA		6477
15/10/88	34.917	NA	NA		6939
15/ 1/89	35.105	NA	NA		1976
15/ 2/89	35.086	NA	NA		1977
15/ 3/89	34.971	NA	NA		2111
15/ 4/89	34.827	NA	NA		2847
15/ 5/89	35.074	NA	NA		3050
15/ 6/89	35.083	NA	NA		4294
15/ 7/89	35.141	NA	NA		4437
15/ 8/89	35.153	NA	NA		5236
<i>Site 18 Winfrith</i>					
<i>Station 6 Poole</i> <span style="float: right;"><i>50:41:20N 1:59:50W</i></span>					
23/10/85	31.206	ND	4.65+-29.0%		4299
27/ 4/86	NA	ND	5.06+-13.0%		882
30/ 9/86	NA	ND	14.49+- 6.2%		4735
28/ 4/87	28.465	ND	5.88+-11.7%		2577
6/10/87	30.624	2.75+-54.6%	7.22+-14.7%	2.6	6728
12/ 9/88	34.118	NA	NA		8672
<i>Site 18 Winfrith</i>					
<i>Station 2 Kimmeridge</i> <span style="float: right;"><i>50:36:39N 2: 7:53W</i></span>					
17/ 4/85	34.732	ND	5.03+-18.4%		5603
23/10/85	34.823	ND	6.17+-41.5%		4302

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
26/ 4/86	NA	ND	5.10+-12.1%		621
1/10/86	NA	ND	10.84+- 8.4%		4733
29/ 4/87	33.434	ND	6.60+-10.1%		2576
6/10/87	35.033	ND	7.49+- 9.3%		6727
13/ 4/88	NA	ND	2.24+-32.5%		1942
7/ 9/88	NA	ND	4.39+-17.6%		8671
3/ 5/89	34.923	ND	2.00+-27.8%		2528
24/ 9/89	35.339	ND	7.85+- 9.7%		5582

*Site 22 Channel Islands*

*Station 219 Alderney, East*

*49:44:18N 2:11:30W*

15/ 1/85	NA	ND	17.20+-12.6%		143
19/ 4/85	NA	ND	5.00+-29.9%		773
9/ 7/85	NA	5.58+-28.9%	9.86+-12.0%	1.8	2026
25/10/85	NA	4.67+-31.3%	8.15+-14.4%	1.7	4633
10/ 1/86	NA	ND	7.21+-10.5%		12
4/ 7/86	NA	8.03+-40.1%	6.87+-36.8%	0.9	3022
13/10/86	NA	ND	14.65+- 5.7%		5621
23/ 1/87	NA	ND	4.90+-16.9%		519
1/12/87	NA	ND	6.94+-11.6%		8509
27/ 1/88	NA	ND	7.52+-14.2%		454
19/ 4/88	NA	ND	10.05+-10.0%		2248
15/ 7/88	NA	ND	6.60+-12.2%		4151
8/10/88	NA	ND	5.12+-14.6%		6510
17/ 1/89	NA	ND	4.68+-15.7%		188
14/ 4/89	NA	ND	4.67+-15.8%		2180
14/ 7/89	NA	ND	14.30+- 5.7%		4439
15/10/89	NA	4.70+-33.2%	13.60+- 9.4%	2.9	5645

*Site 22 Channel Islands*

*Station 224 Jersey, St Catherines*

*49:13: 8N 2: 1:29W*

5/ 2/85	NA	ND	10.02+- 6.4%		150
16/ 4/85	NA	ND	10.20+-11.9%		783
9/ 7/85	NA	3.11+-41.3%	10.19+- 9.3%	3.3	2997
7/11/85	NA	4.74+-24.4%	17.58+- 5.4%	3.7	4616
5/ 2/86	NA	ND	10.30+- 6.4%		57
17/ 4/86	NA	4.59+-39.6%	14.23+-10.2%	3.1	599
10/ 7/86	NA	ND	10.67+-12.3%		3016
9/10/86	NA	3.13+-42.0%	8.58+-11.9%	2.7	5037

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
9/ 1/87	NA	ND	8.26+-11.2%		167
16/ 4/87	NA	ND	7.20+-13.2%		2526
9/ 7/87	NA	ND	5.51+-11.6%		5164
13/10/87	NA	2.63+-51.5%	6.92+-15.7%	2.6	7245
20/ 1/88	NA	ND	6.33+-10.6%		995
29/ 4/88	NA	ND	6.64+-10.1%		2648
20/ 7/88	NA	ND	4.89+-13.6%		4456
18/10/88	NA	ND	5.12+-12.2%		6512
30/ 1/89	NA	ND	4.39+-14.0%		389
13/ 4/89	NA	ND	4.60+-13.6%		1853
14/ 7/89	NA	ND	4.06+-15.3%		5571
13/11/89	NA	ND	10.80+- 5.9%		7216
<i>Site 22 Channel Islands</i>					
<i>Station 216 Guernsey</i>					
			<i>49:27:24N</i>	<i>2:31:30W</i>	
12/ 4/85	NA	ND	4.30+-34.5%		774
9/ 7/85	NA	2.79+-57.5%	5.37+-21.9%	1.9	2027
7/10/85	NA	4.09+-36.3%	8.64+-13.6%	2.1	4632
8/ 1/86	NA	ND	4.26+-19.1%		11
7/ 4/86	NA	ND	6.12+-25.7%		674
2/ 7/86	NA	ND	7.84+-20.6%		3021
13/10/86	NA	ND	5.01+-16.2%		5620
16/ 1/87	NA	ND	4.90+-16.5%		444
10/ 4/87	NA	ND	5.60+-20.4%		3165
6/11/87	NA	ND	5.41+-14.9%		7603
18/ 1/88	NA	ND	11.10+- 9.7%		453
11/ 4/88	NA	ND	7.00+-10.8%		2247
15/ 7/88	NA	ND	5.10+-15.7%		4150
5/10/88	NA	ND	5.61+-13.3%		6511
16/ 1/89	NA	ND	5.96+-12.4%		187
13/ 4/89	NA	ND	5.30+-13.8%		2181
11/ 7/89	NA	ND	5.80+-13.6%		4438
15/10/89	NA	ND	9.10+- 8.7%		5646
<i>Site 9 Hinkley</i>					
<i>Station 28 Minehead</i>					
			<i>51:12:32N</i>	<i>3:28:13W</i>	
19/ 9/87	31.224	ND	17.54+- 4.0%		6019
2/10/87	31.702	ND	15.25+- 8.2%		6724
26/11/87	25.431	ND	68.45+- 2.2%		8508
15/12/87	28.560	ND	29.10+- 2.7%		8501
29/ 1/88	NA	ND	5.59+-24.6%		450
10/ 2/88	29.867	ND	11.93+- 5.3%		498

**Annex I continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
17/ 3/88	30.667	ND	8.12+- 8.8%		1145
19/ 4/88	29.565	ND	12.09+-10.1%		2305
26/ 5/88	30.799	ND	10.09+- 6.0%		3218
16/ 6/88	29.168	ND	11.87+- 5.3%		3287
<i>Site 9 Hinkley</i>					
<i>Station 29 Watchet</i>		<i>51:10:58N 3:19:40W</i>			
19/ 9/87	30.082	ND	23.59+- 3.0%		6020
2/10/87	27.991	ND	20.13+- 6.5%		6726
26/11/87	23.148	10.82+-25.0%	111.01+- 2.0%	10.3	8505
15/12/87	27.290	ND	28.58+- 2.7%		8502
29/ 1/88	34.261	ND	5.02+-25.6%		449
10/ 2/88	24.060	ND	13.77+- 4.8%		499
17/ 3/88	22.874	ND	8.36+- 8.5%		1146
19/ 4/88	26.886	ND	14.68+- 8.2%		2304
26/ 5/88	28.181	ND	13.04+- 4.7%		3217
16/ 6/88	27.804	ND	15.94+- 4.0%		3289
<i>Site 9 Hinkley</i>					
<i>Station 10 Inlet</i>		<i>51:13: 2N 3: 7:47W</i>			
15/ 1/85	24.832	ND	66.17+- 2.8%		186
15/ 2/85	24.051	ND	54.05+- 3.5%		195
15/ 3/85	25.205	ND	46.26+- 1.6%		1327
15/ 4/85	25.754	6.62+-22.8%	56.19+- 1.9%	8.5	1329
15/ 5/85	25.631	15.23+-25.5%	114.05+- 2.4%	7.5	1331
15/ 6/85	26.279	ND	132.54+- 1.6%		2837
15/ 7/85	26.183	ND	70.96+- 2.7%		3590
15/ 8/85	26.706	17.88+-23.1%	184.40+- 1.8%	10.3	3592
15/ 9/85	NA	ND	52.20+- 3.6%		4045
15/ 9/85	26.458	NA	NA		4046
15/10/85	26.715	39.84+- 9.4%	376.30+- 1.0%	9.4	4246
15/11/85	26.661	ND	68.81+- 2.7%		5409
15/12/85	26.407	ND	41.14+- 4.5%		5410
15/ 1/86	22.805	ND	34.52+- 5.2%		49
14/ 2/86	22.523	8.32+-43.9%	33.51+- 8.0%	4.0	396
15/ 3/86	25.181	ND	33.59+- 5.7%		503
15/ 4/86	24.693	ND	25.93+- 7.0%		651
15/ 5/86	25.749	ND	29.53+- 6.1%		1061
15/ 6/86	25.829	ND	36.06+- 5.1%		2207
15/ 7/86	33.861	ND	39.68+- 3.2%		2979
15/ 8/86	27.716	ND	32.33+- 5.8%		3690
15/ 9/86	NA	7.50+-23.6%	77.69+- 1.8%	10.4	4901
15/10/86	NA	3.20+-52.7%	32.74+- 4.0%	10.2	5411
15/11/86	NA	ND	36.65+- 5.2%		6034
15/12/86	NA	ND	58.73+- 3.3%		6383
15/ 1/87	23.310	ND	48.74+- 3.0%		274

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
15/ 2/87	24.319	ND	31.14+- 4.1%		689
15/ 3/87	25.995	ND	25.99+- 5.1%		1341
15/ 4/87	25.407	ND	35.34+- 4.1%		2960
15/ 5/87	25.770	8.48+-21.9%	55.72+- 2.5%	6.6	3889
15/ 6/87	26.822	3.15+-57.0%	28.46+- 4.8%	9.0	5286
15/ 7/87	27.046	5.57+-32.8%	88.41+- 1.7%	15.9	5288
15/ 8/87	27.862	5.54+-29.5%	44.60+- 3.0%	8.0	5873
15/ 9/87	28.529	ND	33.88+- 3.0%		6722
15/10/87	28.717	4.06+-58.0%	30.37+- 5.9%	7.5	7683
15/11/87	20.229	11.95+-16.5%	80.92+- 2.0%	6.8	8495
15/12/87	NA	ND	41.04+- 2.6%		8726
15/ 1/88	NA	ND	46.03+- 2.1%		447
15/ 1/88	24.767	NA	NA		448
15/ 2/88	23.449	NA	NA		1144
15/ 2/88	NA	ND	19.40+- 4.8%		1143
15/ 3/88	24.312	NA	NA		1581
15/ 3/88	NA	ND	15.43+- 5.5%		1580
15/ 4/88	24.616	ND	22.62+- 3.8%		2199
15/ 4/88	24.669	NA	NA		3036
15/ 5/88	25.690	NA	NA		3037
15/ 5/88	NA	ND	20.71+- 4.2%		3233
15/ 6/88	26.269	NA	NA		4131
15/ 6/88	NA	4.06+-42.9%	28.32+- 4.9%	7.0	3799
15/ 7/88	27.295	NA	NA		4862
15/ 7/88	NA	ND	27.65+- 3.2%		3993
15/ 8/88	NA	4.80+-33.2%	39.30+- 2.7%	8.2	5891
15/ 8/88	27.255	NA	NA		5478
15/ 9/88	NA	3.00+-38.7%	43.40+- 1.9%	14.5	5954
15/ 9/88	27.213	NA	NA		6478
15/10/88	NA	2.70+-45.8%	34.50+- 2.5%	12.8	6811
15/11/88	NA	ND	24.65+- 3.6%		7808
15/12/88	NA	ND	41.47+- 2.3%		8492
15/ 1/89	NA	ND	19.44+- 4.8%		353
15/ 1/89	26.937	NA	NA		1990
15/ 3/89	25.078	NA	NA		1992
15/ 4/89	24.914	NA	NA		2671
15/ 5/89	25.419	NA	NA		2809
15/ 6/89	26.880	NA	NA		3766
15/ 7/89	27.563	NA	NA		4328
15/ 8/89	28.405	NA	NA		4780
<i>Site 9 Hinkley</i>					
<i>Station 18 Burnham on Sea</i>					
			<i>51:14:11N</i>	<i>2:59:55W</i>	
18/ 9/87	27.951	ND	33.52+- 2.2%		6021
27/11/87	21.129	ND	38.36+- 3.7%		8506
15/12/87	23.987	ND	23.48+- 3.3%		8503
25/ 1/88	19.659	ND	21.90+- 6.0%		452

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
10/ 2/88	20.853	ND	17.21+- 3.9%		497
17/ 3/88	22.126	ND	16.56+- 4.5%		1148
20/ 4/88	21.255	ND	14.82+- 8.6%		2307
26/ 5/88	23.696	ND	19.84+- 3.4%		3219
16/ 6/88	25.575	ND	9.41+- 7.2%		3290
<i>Site 9 Hinkley</i>					
<i>Station 31 Weston-Super-Mare</i>			<i>51:19:54N 2:59: 5W</i>		
18/ 9/87	26.431	ND	33.60+- 2.1%		6022
2/10/87	28.254	ND	22.90+-10.9%		6725
27/11/87	23.822	ND	20.20+- 6.8%		8507
15/12/87	24.958	ND	19.40+- 3.8%		8504
25/ 1/88	21.720	ND	16.57+- 7.9%		451
10/ 2/88	20.223	ND	13.85+- 4.7%		500
17/ 3/88	23.179	ND	16.79+- 4.7%		1147
19/ 4/88	23.072	ND	15.07+- 8.1%		2306
26/ 5/88	24.316	ND	17.75+- 3.7%		3220
16/ 6/88	26.013	ND	20.50+- 3.3%		3288
<i>Site 6 Berkeley</i>					
<i>Station 116 Oldbury Inlet</i>			<i>51:38:54N 2:35: 2W</i>		
5/ 2/85	13.592	ND	24.16+- 5.4%		863
15/ 3/85	13.666	ND	29.14+- 4.5%		864
12/ 4/85	NA	ND	21.70+- 8.8%		865
11/ 5/85	NA	ND	36.36+- 5.0%		3632
9/ 6/85	NA	ND	34.57+- 5.2%		3633
5/ 7/85	NA	ND	34.17+- 5.0%		3634
2/ 8/85	NA	ND	37.40+- 5.0%		3635
3/ 9/85	16.784	ND	27.43+- 6.4%		5052
24/ 9/85	19.016	ND	38.69+- 5.5%		5318
20/10/85	19.902	ND	36.98+- 5.9%		5319
15/11/85	13.085	ND	35.77+- 5.3%		5320
15/12/85	12.309	ND	19.93+- 9.3%		5602
15/ 1/86	7.285	ND	12.26+-11.2%		173
11/ 2/86	NA	ND	12.74+- 8.9%		542
15/ 3/86	NA	ND	27.34+- 4.0%		600
7/ 4/86	14.061	ND	20.36+- 8.7%		957
6/ 5/86	14.162	ND	32.88+- 5.0%		1365
<i>Site 34 Cardiff</i>					
<i>Station 4 Orchard Ledges East</i>			<i>51:27:55N 3: 7:59W</i>		
24/ 3/85	31.926	ND	26.75+- 9.7%		1333
28/10/85	25.766	ND	39.06+- 3.5%		4240
11/ 3/86	23.489	ND	17.75+- 2.0%		227
16/10/86	NA	2.89+-48.2%	26.27+- 4.2%	9.1	4987

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
20/ 9/87	26.989	ND	26.20+- 2.7%		8702
19/ 3/88	21.481	ND	10.86+- 6.7%		1149
27/ 9/88	27.583	ND	13.10+- 3.1%		6812
6/ 4/89	22.368	ND	11.46+- 5.5%		1627
28/ 9/89	33.044	ND	17.98+- 3.8%		5581
<i>Site 14 Wylfa</i>					
<i>Station 6 Holyhead</i>			<i>53:18:59N 4:37:44W</i>		
14/ 2/85	NA	ND	309.95+- 2.4%		1798
17/ 5/85	NA	ND	298.26+- 1.8%		1801
16/ 8/85	NA	ND	81.14+- 5.8%		3595
8/11/85	NA	ND	129.29+- 5.3%		4702
10/ 2/86	33.825	ND	157.23+- 2.0%		618
27/ 5/86	33.951	18.15+-16.3%	66.61+- 3.2%	3.7	1345
21/ 8/86	34.293	19.51+-25.5%	71.28+- 5.9%	3.7	3668
18/11/86	NA	22.83+-13.7%	185.64+- 1.4%	8.1	5897
13/ 2/87	33.585	18.76+-14.1%	190.70+- 1.2%	10.2	369
19/ 5/87	33.608	11.31+-23.8%	124.74+- 1.8%	11.0	3075
13/ 8/87	33.943	9.48+-28.4%	121.09+- 1.9%	12.8	5871
18/11/87	33.465	5.82+-45.6%	134.32+- 1.7%	23.1	7678
15/ 2/88	NA	ND	49.38+- 2.7%		721
16/ 5/88	33.793	ND	78.43+- 1.0%		3291
18/ 8/88	33.940	2.38+-36.1%	31.65+- 1.8%	13.3	5893
24/11/88	33.835	ND	74.86+- 1.4%		8638
17/ 2/89	33.954	ND	93.78+- 2.1%		686
17/ 5/89	33.990	ND	62.10+- 1.6%		3592
14/ 8/89	33.957	ND	82.09+- 0.9%		5591
28/11/89	33.815	ND	155.15+- 1.4%		7615
<i>Site 14 Wylfa</i>					
<i>Station 1 Cemlyn Bay Shore</i>			<i>53:24:48N 4:30:41W</i>		
14/ 2/85	NA	ND	682.43+- 1.3%		1800
17/ 5/85	NA	ND	355.79+- 1.6%		1805
16/ 8/85	NA	ND	100.11+- 5.0%		3594
8/11/85	NA	ND	164.34+- 4.2%		4700
<i>Site 14 Wylfa</i>					
<i>Station 2 Cemaes Bay</i>			<i>53:24:53N 4:27: 5W</i>		
10/ 2/86	25.507	ND	188.67+- 1.7%		615
27/ 5/86	34.274	39.01+- 9.1%	142.06+- 1.9%	3.6	1346
21/ 8/86	34.083	21.30+-22.7%	139.68+- 3.0%	6.6	3662

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
18/11/86	NA	22.23+-13.1%	181.05+- 1.3%	8.1	5893
13/ 2/87	33.454	18.23+-14.7%	211.89+- 1.1%	11.6	368
19/ 5/87	30.247	10.13+-27.1%	174.47+- 1.3%	17.2	3073
11/ 8/87	33.469	21.21+-14.3%	513.67+- 0.6%	24.2	5868
18/11/87	23.476	7.58+-47.1%	97.32+- 3.1%	12.8	7677
15/ 2/88	NA	ND	62.92+- 2.2%		720
16/ 5/88	29.209	3.05+-42.7%	103.30+- 1.1%	33.9	3383
15/ 8/88	30.409	4.10+-22.4%	56.57+- 1.2%	13.8	5892
24/11/88	18.279	ND	60.60+- 1.8%		8639
17/ 2/89	33.641	ND	124.63+- 1.6%		944
18/ 5/89	33.605	3.26+-52.6%	97.50+- 1.5%	29.9	3593
14/ 8/89	31.702	ND	104.19+- 0.6%		5592
28/11/89	32.872	ND	200.09+- 0.7%		7616

**Site 14 Wylfa**

Station 3 Llandudno

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

15/ 2/85	NA	ND	1212.50+- 0.8%		1799
14/ 5/85	NA	29.58+-47.3%	1032.70+- 1.2%	34.9	1804
22/ 8/85	NA	ND	446.02+- 1.2%		3596
20/11/85	NA	ND	465.70+- 1.7%		4704
14/ 2/86	31.448	19.46+-32.0%	576.71+- 1.0%	29.6	616
28/ 5/86	33.029	92.95+- 3.2%	630.72+- 0.5%	6.8	1339
22/ 8/86	33.577	46.30+-10.8%	358.61+- 1.4%	7.7	3667
17/11/86	NA	34.72+- 8.9%	394.84+- 0.7%	11.4	5895
12/ 2/87	31.686	22.51+-12.2%	330.65+- 0.7%	14.7	370
20/ 5/87	32.570	17.43+-16.2%	352.51+- 0.7%	20.2	3074
13/ 8/87	32.527	ND	157.34+- 1.2%		5870
18/11/87	30.537	15.40+-18.0%	310.35+- 0.8%	20.1	7679
16/ 2/88	NA	4.78+-55.7%	169.14+- 1.3%	35.4	722
20/ 5/88	32.686	5.17+-23.7%	197.92+- 0.6%	38.3	3293
18/ 8/88	33.252	8.13+-11.5%	140.49+- 0.6%	17.3	5895
21/11/88	32.539	6.10+-29.4%	194.34+- 0.9%	31.9	8637
16/ 2/89	33.216	ND	229.30+- 1.0%		684
17/ 5/89	32.199	ND	217.67+- 0.6%		3594
18/ 8/89	32.844	ND	210.89+- 0.5%		5590
27/11/89	33.117	3.28+-52.6%	211.98+- 0.8%	64.7	7614

**Site 14 Wylfa**

Station 4 Prestatyn

53:20:33N 3:24:54W

15/ 2/85	NA	ND	1260.40+- 0.8%		1797
14/ 5/85	NA	29.28+-47.8%	1570.60+- 0.8%	53.6	1803
22/ 8/85	NA	ND	568.16+- 1.0%		3598

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
19/11/85	NA	ND	768.91+- 1.1%		4703
14/ 2/86	30.745	13.35+-45.3%	727.18+- 0.8%	54.5	617
28/ 5/86	33.107	117.39+- 2.7%	538.23+- 0.6%	4.6	1344
22/ 8/86	32.419	68.47+- 7.5%	700.73+- 0.8%	10.2	3665
17/11/86	NA	35.28+- 8.1%	406.88+- 0.6%	11.5	5896
12/ 2/87	31.620	32.43+- 8.3%	443.38+- 0.6%	13.7	371
20/ 5/87	31.058	24.50+-11.7%	525.62+- 0.5%	21.5	3076
13/ 8/87	30.431	13.29+-23.3%	313.17+- 0.9%	23.6	5869
18/11/87	31.471	ND	243.03+- 1.0%		7676
16/ 2/88	NA	4.97+-51.9%	297.25+- 0.8%	59.8	723
20/ 5/88	31.919	7.66+-16.4%	290.18+- 0.4%	37.9	3292
18/ 8/88	31.988	8.92+-10.4%	221.89+- 0.4%	24.9	5896
21/11/88	31.261	4.20+-30.9%	269.60+- 0.5%	64.2	8640
16/ 2/89	31.911	ND	237.56+- 0.9%		685
<b>Site 1 Sellafield</b>					
Station 134 New Brighton			53:26:33N 3: 3: 9W		
11/ 2/85	30.466	44.93+-19.4%	1427.03+- 0.7%	31.8	124
7/ 5/85	30.315	67.96+-13.9%	1738.90+- 0.6%	25.6	946
23/ 7/85	NA	ND	1250.60+- 0.8%		3601
20/10/85	32.342	17.14+-29.5%	696.19+- 0.8%	40.6	4531
4/ 3/86	30.933	16.37+-31.2%	630.14+- 0.8%	38.5	316
27/ 5/86	NA	122.20+- 4.6%	705.39+- 0.9%	5.8	1140
26/ 8/86	30.378	54.45+- 9.6%	786.59+- 0.7%	14.4	3676
24/11/86	29.623	26.82+-18.6%	381.66+- 1.2%	14.2	6020
11/ 3/87	29.380	21.10+-24.2%	432.07+- 1.2%	20.5	878
18/ 6/87	29.620	18.02+-26.6%	486.87+- 1.0%	27.0	3915
15/ 9/87	31.387	12.48+-37.7%	476.45+- 1.0%	38.2	6345
15/12/87	29.230	ND	409.86+- 0.9%		8643
24/ 2/88	29.833	ND	305.22+- 1.1%		1142
21/ 6/88	NA	ND	393.50+- 0.9%		4473
17/ 8/88	NA	ND	276.35+- 1.1%		4885
15/11/88	31.149	7.09+-55.8%	371.78+- 1.0%	52.4	8019
27/ 2/89	30.879	ND	269.13+- 1.4%		690
<b>Site 1 Sellafield</b>					
Station 51 Ainsdale			53:36:31N 3: 3:56W		
11/ 2/85	30.487	29.29+-29.5%	1423.58+- 0.7%	48.6	122
7/ 5/85	30.284	93.78+-10.2%	2039.60+- 0.5%	21.7	945
23/ 7/85	NA	54.28+-24.4%	1734.40+- 0.8%	32.0	3602
20/10/85	30.151	38.98+-13.0%	1236.90+- 0.5%	31.7	4532

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
4/ 3/86	29.440	19.05+-29.2%	721.08+- 0.8%	37.8	315
27/ 5/86	NA	90.48+- 6.1%	886.15+- 0.7%	9.8	1141
26/ 8/86	24.395	27.33+-19.5%	701.33+- 0.8%	25.7	3679
24/11/86	31.114	81.00+- 7.1%	1621.80+- 0.5%	20.0	6193
12/ 3/87	31.410	22.09+-23.6%	440.10+- 1.2%	19.9	877
18/ 6/87	30.688	26.26+-19.5%	746.87+- 0.7%	28.4	3913
15/ 9/87	31.225	14.42+-35.3%	631.24+- 0.8%	43.8	6346
17/12/87	29.379	ND	506.74+- 0.9%		8644
24/ 2/88	28.733	7.23+-51.0%	378.74+- 0.9%	52.4	1138
21/ 6/88	NA	ND	544.27+- 0.8%		4470
19/ 9/88	NA	ND	524.53+- 0.8%		6051
15/11/88	29.221	ND	440.10+- 0.7%		8022
27/ 2/89	30.859	ND	300.31+- 1.4%		691
<i>Site 1 Sellafield</i>					
<i>Station 33 Rossal (Fleetwood)</i>			<i>53:54: 0N 3: 2:55W</i>		
12/ 2/85	30.905	93.65+- 9.5%	2140.20+- 0.5%	22.9	125
8/ 5/85	32.415	157.52+- 6.2%	2617.50+- 0.4%	16.6	944
24/ 7/85	30.869	65.67+-20.9%	2139.70+- 0.7%	32.6	3462
11/ 9/85	30.675	54.94+- 7.3%	1648.10+- 0.3%	30.0	3789
21/10/85	31.327	39.62+-12.5%	1264.50+- 0.5%	31.9	4533
16/12/85	26.332	23.36+-22.5%	767.22+- 0.7%	32.8	5322
15/ 1/86	30.918	20.23+-26.8%	758.39+- 0.8%	37.5	120
5/ 3/86	31.008	29.53+-16.8%	812.40+- 0.7%	27.5	317
28/ 5/86	NA	75.66+- 8.0%	842.43+- 0.8%	11.1	1142
28/ 8/86	32.538	52.69+- 9.3%	1030.20+- 0.6%	19.6	3680
26/11/86	25.326	25.56+-21.4%	522.12+- 1.0%	20.4	6021
11/ 3/87	30.335	25.38+-19.4%	530.15+- 0.9%	20.9	874
17/ 6/87	32.100	17.94+-30.1%	794.52+- 0.7%	44.3	3911
15/ 9/87	28.762	21.61+-22.8%	636.45+- 0.8%	29.5	6342
17/12/87	31.280	10.80+-47.3%	534.32+- 1.0%	49.5	8658
25/ 2/88	31.295	7.62+-44.8%	533.60+- 0.6%	70.0	1137
21/ 6/88	NA	ND	599.24+- 0.7%		4474
19/ 9/88	NA	ND	627.49+- 0.7%		6053
16/11/88	30.805	12.02+-33.2%	576.14+- 0.7%	47.9	8023
27/ 2/89	29.901	ND	376.97+- 1.0%		692
11/ 4/89	29.040	ND	452.13+- 0.8%		2722
25/ 7/89	33.283	ND	613.53+- 0.7%		4558
21/11/89	30.923	9.45+-52.7%	572.12+- 0.9%	60.5	7502

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<i>Site 29 Heysham</i>					
<i>Station 18 Inlet</i>					
<i>54: 1:40N 2:55:20W</i>					
15/ 1/88	25.532	NA	NA		1732
15/ 2/88	28.058	NA	NA		1733
15/ 3/88	30.064	NA	NA		1734
15/ 4/88	29.940	NA	NA		3022
15/ 5/88	31.355	NA	NA		3023
15/ 6/88	32.067	NA	NA		4132
15/ 7/88	31.041	NA	NA		4863
15/ 8/88	29.039	NA	NA		4864
15/ 9/88	28.631	NA	NA		6480
15/10/88	29.746	NA	NA		6941
15/ 1/89	27.884	NA	NA		1996
15/ 2/89	27.337	NA	NA		1997
15/ 3/89	26.816	NA	NA		1998
15/ 4/89	29.892	NA	NA		2775
15/ 5/89	31.437	NA	NA		2778
15/ 6/89	32.754	NA	NA		3678
15/ 7/89	32.808	NA	NA		4782
15/ 8/89	32.319	NA	NA		5241
<i>Site 29 Heysham</i>					
<i>Station 2 Half Moon Bay</i>					
<i>54: 2:19N 2:54:37W</i>					
13/ 2/85	30.713	127.08+- 7.1%	2788.29+- 0.4%	21.9	120
8/ 5/85	32.019	155.76+- 6.2%	2975.90+- 0.4%	19.1	949
24/ 7/85	27.744	86.09+-15.3%	2435.40+- 0.6%	28.3	3454
22/10/85	30.288	58.08+-10.4%	1638.80+- 0.5%	28.2	4535
16/12/85	28.065	34.91+-14.7%	1227.70+- 0.5%	35.2	5136
15/ 1/86	NA	20.53+-25.0%	1101.30+- 0.5%	53.6	123
5/ 3/86	29.930	26.34+-20.5%	944.43+- 0.6%	35.9	359
29/ 5/86	NA	87.91+- 5.7%	1351.50+- 0.5%	15.4	1144
28/ 8/86	31.778	48.11+-10.5%	1309.40+- 0.5%	27.2	3681
26/11/86	22.297	24.67+-21.7%	809.92+- 0.7%	32.8	6018
10/ 3/87	30.749	23.84+-21.5%	612.29+- 0.9%	25.7	876
16/ 6/87	31.041	10.95+-47.1%	828.42+- 0.7%	75.6	3912
14/ 9/87	28.561	19.11+-24.8%	907.16+- 0.6%	47.5	6344
14/12/87	30.872	ND	733.16+- 0.6%		8659
23/ 2/88	29.573	ND	739.93+- 0.4%		1140
20/ 6/88	NA	ND	868.16+- 0.5%		3384
19/ 9/88	NA	ND	772.57+- 0.6%		6050
17/11/88	29.548	10.83+-37.5%	619.91+- 0.7%	57.3	8021
27/ 2/89	26.793	ND	561.28+- 0.7%		689
10/ 4/89	29.661	ND	616.94+- 0.7%		2157
10/ 8/89	33.135	ND	760.85+- 0.4%		4556

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
22/11/89	29.608	ND	669.95+- 0.6%		7457
<i>Site 1 Sellafield</i>					
<i>Station 74 Walney West Shore</i>		<i>54: 7: 5N 3:16:17W</i>			
14/ 2/85	32.592	165.24+- 5.5%	3107.70+- 0.4%	18.8	118
9/ 5/85	32.987	545.62+- 2.0%	6016.40+- 0.3%	11.0	947
25/ 7/85	33.192	129.24+-10.8%	3136.10+- 0.5%	24.3	3452
18/ 9/85	31.952	65.07+- 6.0%	1726.10+- 0.3%	26.5	3790
23/10/85	32.461	50.34+- 9.6%	1369.20+- 0.5%	27.2	4534
16/12/85	32.465	36.45+-12.8%	938.42+- 0.6%	25.7	5139
15/ 1/86	30.759	40.97+-14.1%	1060.10+- 0.6%	25.9	121
7/ 3/86	32.238	35.50+-13.6%	937.35+- 0.6%	26.4	360
30/ 5/86	NA	86.46+- 6.5%	1059.90+- 0.6%	12.3	1143
28/ 8/86	32.238	46.75+-10.4%	939.26+- 0.6%	20.1	3678
28/11/86	31.010	30.20+-15.6%	689.60+- 0.7%	22.8	6010
12/ 3/87	30.539	31.38+-16.4%	786.84+- 0.7%	25.1	879
16/ 6/87	32.826	22.06+-23.2%	742.89+- 0.7%	33.7	3914
14/ 9/87	32.861	18.47+-26.1%	695.00+- 0.8%	37.6	6347
14/11/87	32.416	20.94+-24.1%	512.89+- 1.0%	24.5	8641
23/ 2/88	30.385	10.55+-33.8%	523.38+- 0.7%	49.6	1141
23/ 6/88	NA	ND	492.43+- 0.8%		4472
5/ 9/88	NA	12.65+-36.3%	560.74+- 0.8%	44.3	5356
15/11/88	31.908	14.72+-25.3%	574.08+- 0.7%	39.0	8024
27/ 2/89	30.624	ND	390.84+- 0.9%		688
10/ 4/89	31.290	ND	510.02+- 0.8%		2448
11/ 8/89	32.441	ND	617.31+- 0.7%		4559
20/11/89	32.319	ND	563.87+- 0.7%		7741
<i>Site 1 Sellafield</i>					
<i>Station 52 Silecroft</i>		<i>54:13: 1N 3:20:53W</i>			
14/ 2/85	32.866	148.96+- 6.1%	2851.30+- 0.4%	19.1	119
10/ 5/85	32.686	656.57+- 1.7%	7090.40+- 0.3%	10.8	948
26/ 7/85	32.907	90.14+-14.6%	2049.30+- 0.7%	22.7	3453
18/ 9/85	32.151	70.15+- 5.4%	1736.40+- 0.3%	24.8	3791
25/10/85	32.885	39.50+-21.8%	1155.80+- 0.9%	29.3	4539
16/12/85	31.762	36.67+-12.5%	1071.50+- 0.5%	29.2	5133
15/ 1/86	31.240	25.27+-21.6%	919.46+- 0.7%	36.4	122
7/ 3/86	32.600	34.49+-14.0%	885.92+- 0.6%	25.7	365
30/ 5/86	NA	77.01+- 7.5%	927.17+- 0.7%	12.0	1145
18/ 8/86	32.337	64.76+- 7.9%	985.06+- 0.6%	15.2	3671
28/11/86	30.184	45.58+-11.7%	937.60+- 0.6%	20.6	6019
12/ 3/87	31.519	32.53+-15.8%	553.62+- 0.9%	17.0	880
13/ 4/87	31.950	19.16+-26.9%	450.47+- 1.1%	23.5	2514

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
21/ 9/87	32.327	15.06+-32.4%	631.68+- 0.8%	41.9	6343
14/12/87	32.855	10.00+-49.4%	428.40+- 1.1%	42.8	8663
25/ 2/88	31.418	8.91+-44.0%	411.88+- 0.9%	46.2	1139
23/ 6/88	NA	ND	497.22+- 0.8%		4468
7/ 9/88	NA	5.09+-47.5%	611.96+- 0.4%	120.1	5357
18/11/88	32.459	10.89+-33.2%	486.77+- 0.8%	44.7	8020
27/ 2/89	30.134	ND	477.49+- 0.8%		687
Site 1 Sellafield					
Station 24 Drigg Barn Scar			54:22:19N 3:28:18W		
17/ 4/86	32.402	28.65+-23.3%	978.93+- 0.6%	34.2	707
Site 1 Sellafield					
Station 23 Seascale			54:23:36N 3:29: 6W		
15/ 1/85	NA	527.41+- 1.3%	8126.12+- 0.2%	15.4	58
15/ 2/85	31.915	326.81+- 1.9%	6600.58+- 0.3%	20.2	521
15/ 3/85	31.629	684.43+- 0.9%	8258.40+- 0.2%	12.1	931
15/ 4/85	29.479	705.26+- 0.8%	7841.20+- 0.2%	11.1	952
15/ 5/85	31.151	912.59+- 0.9%	10170.00+- 0.2%	11.1	1900
15/ 6/85	32.856	305.26+- 2.9%	4462.70+- 0.3%	14.6	2003
15/ 7/85	31.475	249.46+- 2.9%	3771.00+- 0.3%	15.1	3604
15/ 8/85	27.992	145.40+- 2.8%	2807.30+- 0.2%	19.3	3771
15/ 9/85	27.557	114.53+- 4.4%	2753.90+- 0.3%	24.0	4187
15/10/85	29.983	95.43+- 3.4%	2500.30+- 0.2%	26.2	4544
15/11/85	NA	88.88+- 4.2%	2389.80+- 0.3%	26.9	5132
15/12/85	NA	60.31+- 6.4%	1696.20+- 0.3%	28.1	5533
15/ 1/86	30.313	36.90+-10.2%	1045.90+- 0.5%	28.3	139
15/ 2/86	31.493	33.20+-13.5%	827.27+- 0.6%	24.9	322
15/ 3/86	28.357	35.88+- 7.2%	1075.30+- 0.3%	30.0	610
15/ 4/86	30.928	26.26+-14.2%	831.86+- 0.5%	31.7	699
1/ 5/86	13.532	ND	515.92+- 3.1%		801
8/ 5/86	30.604	872.36+- 3.6%	2382.90+- 1.4%	2.7	802
15/ 5/86	NA	233.71+- 6.2%	1364.50+- 1.1%	5.8	1134
22/ 5/86	NA	146.84+-10.0%	1162.90+- 1.2%	7.9	1135
29/ 5/86	NA	128.77+-10.7%	1704.80+- 0.9%	13.2	1136
5/ 6/86	32.136	NA	NA		1656
9/ 6/86	31.551	NA	NA		1650
15/ 6/86	29.104	93.45+- 4.3%	1203.00+- 0.4%	12.9	2425
19/ 6/86	31.589	NA	NA		1744
15/ 7/86	31.514	102.70+- 3.1%	1335.10+- 0.4%	13.0	3052
15/ 8/86	29.688	88.06+- 5.9%	1124.30+- 0.5%	12.8	4803
15/ 9/86	32.052	56.08+- 6.5%	864.62+- 0.5%	15.4	4796
15/10/86	30.690	72.19+- 4.4%	1279.80+- 0.4%	17.7	6059
15/11/86	29.974	50.40+- 7.9%	952.65+- 0.5%	18.9	6188
15/12/86	23.325	24.59+-16.2%	624.33+- 0.7%	25.4	6426

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
15/ 1/87	28.371	30.76+-10.9%	506.66+- 0.7%	16.5	324
15/ 2/87	30.891	52.24+- 5.2%	773.96+- 0.4%	14.8	716
15/ 3/87	30.987	39.49+-10.1%	570.51+- 0.7%	14.4	2085
15/ 4/87	29.602	36.35+- 8.8%	681.56+- 0.6%	18.8	2702
15/ 5/87	31.079	24.17+-17.1%	729.68+- 0.6%	30.2	3783
15/ 6/87	NA	32.33+-12.5%	908.20+- 0.5%	28.1	4789
15/ 7/87	NA	30.32+-10.5%	765.06+- 0.5%	25.2	5246
15/ 8/87	31.419	22.88+-16.0%	634.02+- 0.6%	27.7	5948
15/ 9/87	31.043	28.90+-13.2%	681.60+- 0.6%	23.6	6900
15/10/87	30.015	26.44+-12.2%	708.36+- 0.5%	26.8	7323
15/11/87	30.924	30.85+-12.5%	771.88+- 0.6%	25.0	8632
15/12/87	NA	14.93+-10.2%	511.93+- 0.3%	34.3	8826
15/ 1/88	28.138	ND	409.34+- 1.1%		374
15/ 2/88	29.429	15.89+-16.9%	523.35+- 0.5%	32.9	1136
15/ 3/88	29.525	7.76+-39.1%	389.90+- 0.8%	50.3	2481
15/ 4/88	31.209	18.37+-20.4%	598.72+- 0.7%	32.6	2483
15/ 5/88	NA	33.72+- 8.0%	723.07+- 0.4%	21.4	3052
15/ 6/88	NA	21.07+-15.0%	651.53+- 0.6%	30.9	4458
15/ 7/88	NA	17.29+-20.4%	653.65+- 0.6%	37.8	4460
15/ 8/88	NA	34.04+-10.6%	950.14+- 0.5%	27.9	5355
15/ 9/88	NA	17.45+-17.1%	674.81+- 0.5%	38.7	6052
15/10/88	26.466	19.04+-15.3%	622.60+- 0.6%	32.7	6786
15/11/88	24.368	12.14+-22.1%	469.73+- 0.6%	38.7	7831
15/12/88	27.748	11.40+-18.2%	432.50+- 0.6%	37.9	8223
16/ 1/89	34.992	ND	455.07+- 0.7%		291
14/ 2/89	24.363	ND	414.21+- 0.7%		705
15/ 3/89	21.446	11.26+-24.4%	531.72+- 0.6%	47.2	2721
15/ 4/89	30.350	15.64+-23.2%	649.33+- 0.6%	41.5	2194
15/ 5/89	27.950	51.26+- 7.5%	1022.01+- 0.5%	19.9	3482
15/ 6/89	21.417	18.90+-16.9%	833.24+- 0.5%	44.1	3488
15/ 7/89	23.945	14.19+-27.2%	710.40+- 0.6%	50.1	4557
15/ 8/89	23.857	8.42+-36.1%	573.46+- 0.6%	68.1	5822
15/ 9/89	26.817	25.86+-14.4%	947.06+- 0.5%	36.6	5831
15/10/89	34.986	13.93+-24.2%	735.28+- 0.6%	52.8	6808
15/11/89	NA	14.11+-19.6%	475.81+- 0.7%	33.7	7503
15/12/89	NA	10.85+-32.3%	427.42+- 0.9%	39.4	8046
Site 1 Sellafield					
Station 59 Braystones					
54:26:15N 3:32:42W					
17/ 4/86	32.216	13.09+-52.3%	808.57+- 0.7%	61.8	708
Site 1 Sellafield					
Station 18 Nethertown					
54:27:19N 3:33:57W					
23/ 7/86	32.792	NA	NA		2687
5/11/86	32.552	NA	NA		5390
9/12/86	31.501	NA	NA		6190

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
14/ 1/87	31.341	NA	NA		154
2/ 2/87	31.930	NA	NA		696
2/ 3/87	30.973	NA	NA		934
<b>Site 1 Sellafield</b>					
<b>Station 100 St Bees-W</b>		<b>54:29:20N 3:36:26W</b>			
15/ 1/85	NA	156.79+- 2.8%	2978.97+- 0.3%	19.0	57
15/ 2/85	32.161	449.47+- 1.7%	6852.40+- 0.2%	15.2	520
26/ 2/85	31.992	NA	NA		225
15/ 3/85	32.189	313.47+- 1.6%	4377.40+- 0.2%	14.0	930
15/ 4/85	30.046	682.41+- 1.0%	7513.00+- 0.2%	11.0	953
15/ 5/85	NA	373.53+- 2.0%	4401.70+- 0.3%	11.8	1899
15/ 6/85	32.655	243.91+- 3.0%	3267.10+- 0.3%	13.4	2002
15/ 7/85	32.351	152.68+- 4.7%	2683.60+- 0.4%	17.6	3600
13/ 8/85	29.486	NA	NA		4604
15/ 8/85	29.526	113.78+- 3.8%	2231.40+- 0.3%	19.6	3770
15/ 9/85	29.038	111.20+- 3.9%	2297.80+- 0.3%	20.7	4186
14/10/85	27.526	NA	NA		4605
15/10/85	30.959	62.69+-11.5%	1492.40+- 0.7%	23.8	4543
15/11/85	NA	42.33+- 8.0%	1188.10+- 0.4%	28.1	5131
15/12/85	32.216	54.59+- 6.7%	1322.50+- 0.4%	24.2	5534
15/ 1/86	29.016	32.48+- 8.7%	895.22+- 0.4%	27.6	138
15/ 2/86	32.611	22.89+-16.0%	671.83+- 0.6%	29.3	321
15/ 3/86	31.602	40.10+- 4.3%	925.28+- 0.2%	23.1	609
15/ 4/86	32.362	22.19+-15.1%	635.82+- 0.6%	28.7	696
17/ 4/86	32.735	ND	684.87+- 0.7%		706
1/ 5/86	31.244	84.70+-33.5%	811.50+- 3.0%	9.6	800
8/ 5/86	31.888	324.00+- 8.2%	1206.60+- 2.0%	3.7	799
15/ 5/86	NA	141.96+-10.4%	1109.00+- 1.3%	7.8	1128
22/ 5/86	NA	113.78+-12.7%	1006.10+- 1.4%	8.8	1129
29/ 5/86	NA	85.30+-16.7%	838.36+- 1.6%	9.8	1130
5/ 6/86	33.057	NA	NA		1657
9/ 6/86	32.763	NA	NA		1651
15/ 6/86	31.962	99.97+- 3.7%	934.18+- 0.5%	9.3	2426
19/ 6/86	32.789	NA	NA		1743
8/ 7/86	33.044	NA	NA		2420
15/ 7/86	32.358	83.98+- 3.5%	980.23+- 0.4%	11.7	3051
15/ 8/86	31.426	68.60+- 5.3%	981.51+- 0.5%	14.3	4802
15/ 9/86	32.664	35.79+- 9.5%	648.11+- 0.6%	18.1	4805
15/10/86	31.523	59.07+- 5.0%	1191.00+- 0.3%	20.2	6058
20/10/86	32.510	NA	NA		5119
15/11/86	32.025	25.08+-14.2%	434.77+- 0.8%	17.3	6189
15/12/86	30.981	39.64+- 9.2%	760.78+- 0.6%	19.2	6427
15/ 1/87	30.034	28.23+-13.9%	539.57+- 0.8%	19.1	323
15/ 2/87	31.233	59.09+- 4.2%	795.99+- 0.4%	13.5	718
26/ 2/87	31.908	NA	NA		684
15/ 3/87	31.320	40.33+- 9.1%	686.65+- 0.6%	17.0	2084
15/ 4/87	30.223	28.07+- 9.5%	475.02+- 0.6%	16.9	2701

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8/ 5/87	31.927	NA	NA		2746
15/ 5/87	31.739	18.47+-13.0%	393.45+- 0.6%	21.3	3903
15/ 6/87	NA	19.84+-17.0%	534.41+- 0.7%	26.9	4790
15/ 7/87	NA	19.81+-13.9%	610.22+- 0.5%	30.8	5245
15/ 8/87	29.686	82.95+- 4.5%	681.00+- 0.6%	8.2	5947
15/ 9/87	31.712	35.81+-10.7%	732.68+- 0.6%	20.5	6899
15/10/87	31.106	30.09+- 9.3%	762.34+- 0.5%	25.3	7324
15/11/87	30.037	23.68+-14.5%	643.91+- 0.6%	27.2	8635
9/12/87	32.451	NA	NA		8703
15/12/87	NA	17.97+- 7.5%	487.94+- 0.3%	27.2	8825
7/ 1/88	30.954	NA	NA		370
14/ 1/88	28.903	NA	NA		371
15/ 1/88	NA	9.92+-34.3%	443.18+- 0.8%	44.7	369
21/ 1/88	29.480	NA	NA		372
28/ 1/88	31.356	NA	NA		373
4/ 2/88	29.841	NA	NA		1735
8/ 2/88	30.226	NA	NA		719
11/ 2/88	30.549	NA	NA		1736
15/ 2/88	NA	11.82+-19.4%	466.14+- 0.5%	39.4	1135
18/ 2/88	30.517	NA	NA		1737
25/ 2/88	32.236	NA	NA		1738
3/ 3/88	32.515	NA	NA		1739
10/ 3/88	32.462	NA	NA		1740
15/ 3/88	NA	6.10+-30.8%	306.65+- 0.6%	50.2	2479
17/ 3/88	31.323	NA	NA		1741
24/ 3/88	32.165	NA	NA		1742
31/ 3/88	31.440	NA	NA		1743
7/ 4/88	30.670	NA	NA		2944
13/ 4/88	31.639	NA	NA		3211
14/ 4/88	31.827	NA	NA		2945
15/ 4/88	NA	14.89+-22.0%	465.57+- 0.7%	31.3	2480
21/ 4/88	29.773	NA	NA		2946
28/ 4/88	30.463	NA	NA		2947
15/ 5/88	NA	10.19+-22.5%	489.18+- 0.5%	48.0	3051
15/ 6/88	NA	12.90+-20.4%	478.78+- 0.6%	37.1	4462
15/ 7/88	NA	9.98+-31.7%	599.41+- 0.6%	60.1	4464
15/ 8/88	NA	22.91+-14.1%	799.23+- 0.5%	34.9	5352
15/ 9/88	NA	12.54+-20.4%	629.79+- 0.5%	50.2	6054
6/10/88	31.502	NA	NA		6885
13/10/88	31.740	NA	NA		6886
15/10/88	NA	16.01+-15.4%	562.49+- 0.5%	35.1	6787
20/10/88	25.111	NA	NA		6887
21/10/88	30.302	NA	NA		6789
27/10/88	25.872	NA	NA		6888
3/11/88	31.969	NA	NA		7833
10/11/88	31.730	NA	NA		7834
15/11/88	NA	10.69+-22.1%	440.30+- 0.6%	41.2	7832
17/11/88	31.712	NA	NA		7835
24/11/88	31.578	NA	NA		7836
1/12/88	31.963	NA	NA		8497

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
8/12/88	31.995	NA	NA		8498
15/12/88	31.686	NA	NA		8499
15/12/88	NA	9.20+-20.8%	384.70+- 0.6%	41.8	8224
22/12/88	31.932	NA	NA		8500
29/12/88	30.743	NA	NA		8501
5/ 1/89	31.892	NA	NA		1561
12/ 1/89	30.763	NA	NA		1562
16/ 1/89	NA	7.77+-38.5%	495.55+- 0.7%	63.8	290
19/ 1/89	31.100	NA	NA		1563
26/ 1/89	30.412	NA	NA		1564
2/ 2/89	30.249	NA	NA		700
9/ 2/89	30.453	NA	NA		701
14/ 2/89	NA	7.42+-43.8%	424.14+- 0.8%	57.1	704
16/ 2/89	31.078	NA	NA		702
23/ 2/89	25.744	NA	NA		703
2/ 3/89	30.992	NA	NA		2148
9/ 3/89	28.118	NA	NA		2149
15/ 3/89	NA	8.30+-29.9%	527.10+- 0.5%	63.5	2720
16/ 3/89	31.446	NA	NA		2150
23/ 3/89	29.084	NA	NA		2151
30/ 3/89	30.257	NA	NA		2152
6/ 4/89	28.635	NA	NA		2153
13/ 4/89	31.777	NA	NA		2154
15/ 4/89	NA	ND	405.17+- 0.7%		2193
20/ 4/89	30.781	NA	NA		2155
27/ 4/89	32.308	NA	NA		2156
4/ 5/89	31.457	NA	NA		2740
11/ 5/89	32.312	NA	NA		2741
15/ 5/89	NA	61.50+- 5.8%	983.27+- 0.5%	16.0	3481
18/ 5/89	31.560	NA	NA		2742
25/ 5/89	32.367	NA	NA		2743
1/ 6/89	32.853	NA	NA		3558
8/ 6/89	32.378	NA	NA		3559
15/ 6/89	31.655	NA	NA		3560
15/ 6/89	NA	5.56+-49.6%	458.57+- 0.6%	82.5	3487
22/ 6/89	32.549	NA	NA		3561
29/ 6/89	32.893	NA	NA		3562
6/ 7/89	32.898	NA	NA		4823
13/ 7/89	32.951	NA	NA		4824
15/ 7/89	NA	ND	389.63+- 0.7%		4560
20/ 7/89	33.270	NA	NA		4825
27/ 7/89	33.154	NA	NA		4826
3/ 8/89	32.962	NA	NA		4827
10/ 8/89	33.143	NA	NA		4828
15/ 8/89	NA	18.43+-14.5%	653.02+- 0.5%	35.4	5820
17/ 8/89	32.957	NA	NA		4829
24/ 8/89	32.911	NA	NA		4830
31/ 8/89	32.318	NA	NA		4831
7/ 9/89	31.343	NA	NA		6708
14/ 9/89	33.120	NA	NA		6709

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
15/ 9/89	NA	20.30+-16.0%	846.19+- 0.5%	41.7	5830
21/ 9/89	33.153	NA	NA		6710
28/ 9/89	32.724	NA	NA		6711
15/10/89	NA	24.12+-12.4%	842.02+- 0.5%	34.9	6816
15/11/89	NA	14.53+-17.1%	585.05+- 0.5%	40.3	7500
15/12/89	NA	8.97+-34.0%	485.77+- 0.7%	54.1	8045

**Site 1 Sellafield**

Station 39 W/A Shore

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

18/ 2/85	33.084	52.76+-16.4%	1349.54+- 0.8%	25.6	117
16/ 5/85	33.054	368.73+- 4.0%	4497.40+- 0.4%	12.2	1571
25/ 7/85	32.115	123.53+-10.8%	2294.40+- 0.6%	18.6	3465
17/ 9/85	29.932	65.14+- 5.4%	1575.70+- 0.3%	24.2	3788
21/10/85	31.331	66.53+- 8.8%	1638.60+- 0.5%	24.6	4538
16/12/85	32.012	35.79+-12.8%	1051.30+- 0.5%	29.4	5137
16/ 1/86	31.603	22.66+-25.0%	1003.30+- 0.6%	44.3	125
8/ 2/86	32.829	17.45+-27.8%	585.25+- 0.8%	33.5	314
6/ 5/86	NA	322.80+- 1.8%	1300.90+- 0.7%	4.0	704
12/ 6/86	32.455	75.64+- 6.6%	872.76+- 0.7%	11.5	1536
11/ 8/86	32.361	67.85+- 7.9%	1010.20+- 0.6%	14.9	3351
6/11/86	31.369	40.42+-13.1%	920.72+- 0.6%	22.8	5784
12/ 2/87	32.053	57.68+-10.4%	924.08+- 0.7%	16.0	418
13/ 4/87	31.991	27.03+-19.2%	531.42+- 1.0%	19.7	2511
27/ 8/87	32.459	33.96+-15.0%	582.10+- 0.9%	17.1	5815
4/12/87	32.139	ND	482.13+- 0.8%		8661
10/ 2/88	22.144	ND	465.96+- 0.6%		708
28/ 4/88	32.599	ND	371.80+- 0.9%		2485
26/ 7/88	NA	ND	450.30+- 0.8%		4478
11/10/88	NA	ND	417.46+- 1.2%		6602
28/ 2/89	29.975	ND	450.65+- 0.9%		693

**Site 1 Sellafield**

Station 15 Maryport Shore

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

20/ 2/85	31.635	60.66+-14.3%	1616.89+- 0.7%	26.7	121
28/ 6/85	31.507	105.25+-12.2%	2482.00+- 0.6%	23.6	1997
25/ 7/85	29.930	110.49+-12.6%	2714.50+- 0.6%	24.6	3463
17/ 9/85	23.762	58.50+- 6.3%	1554.70+- 0.3%	26.6	3787
23/10/85	28.103	60.72+- 9.6%	1673.50+- 0.5%	27.6	4536
24/11/85	NA	35.74+-14.5%	1163.90+- 0.5%	32.6	4790
16/12/85	26.475	49.34+- 9.4%	1407.40+- 0.4%	28.5	5140
16/ 1/86	26.560	36.30+-15.8%	1089.50+- 0.6%	30.0	124
8/ 2/86	NA	23.35+-22.5%	889.40+- 0.7%	38.1	313
5/ 5/86	30.306	1941.20+- 0.6%	4034.10+- 1.0%	2.1	701
12/ 6/86	28.794	83.13+- 6.9%	944.03+- 0.7%	11.4	1537

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
13/ 8/86	26.425	77.56+- 6.7%	1396.90+- 0.5%	18.0	3352
3/11/86	24.901	44.12+-12.3%	879.76+- 0.7%	19.9	5785
10/ 2/87	25.825	ND	514.60+- 0.8%		429
13/ 4/87	25.041	12.12+-44.9%	445.22+- 1.2%	36.7	2512
1/ 9/87	28.532	14.24+-36.6%	607.07+- 0.9%	42.6	5949
8/12/87	30.223	ND	590.52+- 0.7%		8662
10/ 2/88	29.189	ND	471.42+- 0.6%		707
28/ 4/88	30.443	ND	468.72+- 0.5%		2482
26/ 7/88	NA	13.59+-19.4%	697.32+- 0.4%	51.3	4466
11/10/88	NA	ND	565.48+- 0.7%		6604
28/ 2/89	25.940	ND	491.94+- 0.8%		694
<i>Site 1 Sellafield</i>					
<i>Station 53 Silloth</i>			54:53: 1N 3:22:41W		
20/ 2/85	32.503	33.26+-25.8%	1465.51+- 0.7%	44.1	123
25/ 6/85	29.120	116.86+-12.1%	2833.90+- 0.6%	24.3	1992
25/ 7/85	19.391	40.37+-33.6%	1863.20+- 0.8%	46.2	3464
17/ 9/85	22.099	45.35+- 8.8%	1677.20+- 0.3%	37.0	3786
23/10/85	24.865	44.13+-12.2%	1725.70+- 0.4%	39.1	4537
24/11/85	NA	33.35+-15.0%	1314.90+- 0.5%	39.4	4792
16/ 1/86	18.463	18.16+-28.1%	893.56+- 0.6%	49.2	126
8/ 2/86	21.665	17.73+-28.4%	892.58+- 0.6%	50.3	304
5/ 5/86	26.052	937.03+- 0.8%	2433.90+- 0.8%	2.6	705
12/ 6/86	24.431	97.25+- 5.3%	1349.70+- 0.5%	13.9	1538
2/ 8/86	30.439	89.93+- 5.6%	1581.20+- 0.4%	17.6	3050
31/10/86	22.982	33.08+-15.4%	969.80+- 0.6%	29.3	5771
10/ 2/87	23.004	20.80+-27.4%	652.68+- 0.9%	31.4	423
13/ 4/87	17.600	11.55+-48.1%	584.55+- 1.0%	50.6	2513
26/ 8/87	NA	8.50+-58.6%	695.18+- 0.8%	81.8	5816
8/12/87	27.655	13.90+-35.0%	634.80+- 0.8%	45.7	8642
10/ 2/88	12.671	ND	339.80+- 0.8%		706
28/ 4/88	23.713	ND	628.83+- 0.3%		2484
26/ 7/88	NA	ND	848.65+- 0.6%		4476
11/10/88	NA	ND	611.72+- 0.7%		6601
28/ 2/89	19.084	ND	544.15+- 0.7%		695
25/ 5/89	27.730	ND	1011.03+- 0.5%		4374
23/ 8/89	26.502	ND	855.11+- 0.6%		4670
8/12/89	NA	9.31+-48.8%	698.40+- 0.7%	75.1	7501
<i>Site 1 Sellafield</i>					
<i>Station 54 Southerness</i>			54:52:22N 3:35:40W		
2/ 3/85	29.023	ND	1721.66+- 0.7%		519

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
27/ 6/85	30.931	92.90+-13.7%	2308.90+- 0.6%	24.9	1990
12/ 9/85	20.399	50.31+- 8.7%	1487.90+- 0.4%	29.6	3783
23/11/85	NA	49.79+-10.4%	1292.50+- 0.5%	26.0	4789
7/ 2/86	25.792	27.20+-19.0%	710.76+- 0.8%	26.1	134
4/ 5/86	27.823	2873.90+- 0.4%	5443.40+- 1.1%	1.9	703
15/ 5/86	NA	396.03+- 1.6%	1797.00+- 0.6%	4.5	947
23/ 5/86	NA	233.63+- 2.7%	1364.80+- 0.6%	5.8	979
29/ 5/86	NA	153.09+- 5.6%	1258.70+- 0.8%	8.2	1146
11/ 6/86	20.434	120.54+- 7.0%	1189.30+- 0.8%	9.9	1350
17/ 6/86	27.825	105.27+- 8.4%	1247.10+- 0.8%	11.8	1535
1/ 7/86	30.394	93.56+- 5.5%	1221.80+- 0.5%	13.1	2417
16/ 7/86	30.914	118.07+- 4.6%	1337.50+- 0.5%	11.3	2416
1/ 8/86	30.609	79.57+- 6.7%	1288.00+- 0.5%	16.2	3049
12/ 8/86	29.260	94.33+- 5.5%	1581.30+- 0.4%	16.8	3350
1/ 9/86	31.068	69.52+- 7.6%	1153.80+- 0.6%	16.6	3677
10/ 9/86	30.113	70.53+- 7.6%	1432.20+- 0.5%	20.3	4122
10/10/86	31.730	54.11+- 9.0%	1336.50+- 0.5%	24.7	4798
31/10/86	29.128	39.28+-13.3%	890.85+- 0.6%	22.7	5117

**Site 2 Chapelcross**

Station 58 Southerness

54:52:22N 3:35:40W

9/ 2/87	25.152	36.16+-15.6%	743.46+- 0.8%	20.6	424
22/ 5/87	29.782	23.57+-22.1%	958.66+- 0.6%	40.7	3791
28/ 8/87	NA	17.98+-16.5%	919.59+- 0.4%	51.2	5819
14/11/87	26.933	17.87+-28.8%	779.66+- 0.7%	43.6	8191
13/ 2/88	27.039	ND	489.18+- 0.6%		715
12/ 5/88	NA	8.92+-40.9%	849.33+- 0.5%	95.2	3043
7/ 8/88	NA	ND	759.82+- 0.7%		4445
1/11/88	26.787	12.10+-33.1%	667.50+- 0.7%	55.2	6790
1/ 3/89	23.669	ND	467.33+- 0.8%		696
27/ 4/89	26.819	ND	671.43+- 0.7%		2164
11/ 7/89	32.442	ND	1029.43+- 0.5%		4555
22/10/89	30.412	ND	595.31+- 0.7%		6811

**Site 2 Chapelcross**

Station 71 Rockcliffe

54:51:40N 3:47:31W

15/ 5/86	NA	400.54+- 1.7%	731.43+- 1.4%	1.8	946
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**Site 1 Sellafield**

Station 57 Ross Bay

54:46:35N 4: 5:46W

1/ 3/85	21.533	ND	953.03+- 1.0%		518
25/ 6/85	33.106	73.29+-17.3%	1688.70+- 0.8%	23.0	2000
11/ 9/85	26.460	56.23+- 6.6%	1444.50+- 0.3%	25.7	3785
22/11/85	NA	23.60+-20.2%	702.95+- 0.7%	29.8	4791

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6/ 2/86	23.775	13.97+-35.3%	368.96+- 1.3%	26.4	133
3/ 5/86	22.607	2059.40+- 0.5%	3733.10+- 1.1%	1.8	702
31/ 7/86	32.125	71.56+- 7.5%	740.35+- 0.8%	10.3	3046
28/10/86	14.982	22.12+-24.7%	257.36+- 1.9%	11.6	5780
7/ 2/87	27.014	30.99+-18.2%	346.38+- 1.5%	11.2	425
20/ 5/87	31.864	12.57+-37.5%	337.21+- 1.3%	26.8	3788
17/ 8/87	NA	12.78+-38.7%	355.13+- 1.3%	27.8	5824
14/11/87	29.944	19.72+-29.7%	530.02+- 1.1%	26.9	8192
11/ 2/88	29.607	9.23+-37.5%	328.59+- 1.0%	35.6	713
9/ 5/88	NA	ND	463.37+- 0.6%		3046
5/ 8/88	NA	ND	355.84+- 1.0%		4887
31/10/88	24.348	ND	241.70+- 1.1%		7305
1/ 3/89	27.608	ND	327.85+- 1.0%		697
<i>Site 1 Sellafield</i>					
<i>Station 4 Isle of Whithorn</i> 54:41:59N 4:21:32W					
1/ 3/85	31.865	39.11+-32.5%	1221.87+- 1.2%	31.2	516
25/ 6/85	33.544	60.71+-20.8%	1420.60+- 0.9%	23.4	1998
10/ 9/85	30.413	51.15+- 6.7%	1243.80+- 0.4%	24.3	3782
21/11/85	NA	30.80+-14.5%	676.53+- 0.7%	22.0	4794
5/ 2/86	32.388	20.16+-21.8%	526.53+- 0.9%	26.1	132
2/ 5/86	30.514	20.34+-22.4%	520.35+- 0.9%	25.6	697
30/ 7/86	33.285	55.55+- 8.1%	439.15+- 1.1%	7.9	3045
27/10/86	29.257	36.71+-13.7%	356.36+- 1.3%	9.7	5772
12/ 2/87	32.915	11.61+-47.7%	157.07+- 3.0%	13.5	419
20/ 5/87	33.644	15.11+-32.5%	242.12+- 1.8%	16.0	3895
16/ 8/87	NA	21.41+-27.4%	237.27+- 2.2%	11.1	5814
13/11/87	22.538	12.72+-44.3%	296.15+- 1.8%	23.3	7744
11/ 2/88	30.470	6.93+-52.5%	295.81+- 1.1%	42.7	709
10/ 5/88	NA	8.92+-57.5%	332.44+- 1.4%	37.3	3045
4/ 8/88	NA	ND	294.93+- 1.1%		4891
31/10/88	31.617	10.20+-32.6%	264.80+- 1.2%	26.0	7307
1/ 3/89	32.899	ND	218.47+- 1.5%		698
<i>Site 1 Sellafield</i>					
<i>Station 2 Drummore</i> 54:41:30N 4:53:16W					
28/ 2/85	32.935	ND	942.49+- 1.0%		515
24/ 6/85	33.777	ND	785.48+- 0.8%		1991
10/ 9/85	32.747	38.10+- 8.9%	860.73+- 0.5%	22.6	3781
21/11/85	NA	20.97+-21.5%	502.92+- 0.9%	24.0	4795
5/ 2/86	32.308	25.33+-17.5%	456.77+- 1.0%	18.0	131

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
2/ 5/86	33.651	ND	318.18+- 1.1%		700
29/ 7/86	33.794	42.68+-10.8%	288.89+- 1.5%	6.8	3048
27/10/86	33.857	21.46+-25.0%	259.13+- 1.9%	12.1	5775
6/ 2/87	22.617	24.54+-21.5%	326.24+- 1.5%	13.3	421
19/ 5/87	33.639	13.93+-34.7%	221.11+- 2.0%	15.9	3792
15/ 8/87	NA	15.36+-34.4%	211.89+- 2.2%	13.8	5825
13/11/87	32.543	15.85+-32.9%	320.35+- 1.5%	20.2	7741
10/ 2/88	33.465	ND	196.32+- 1.2%		711
10/ 5/88	NA	ND	257.53+- 1.4%		3044
4/ 8/88	NA	ND	178.63+- 1.7%		4892
30/10/88	32.591	6.20+-55.0%	194.50+- 1.5%	31.4	7306
1/ 3/89	33.550	ND	129.79+- 2.4%		699
<i>Site 1 Sellafield</i>					
<i>Station 56 Portpatrick</i>		<i>54:50:23N 5: 7: 5W</i>			
28/ 2/85	34.312	ND	431.50+- 1.9%		517
24/ 6/85	34.200	ND	375.47+- 2.0%		2001
10/ 9/85	33.634	15.99+-20.8%	513.67+- 0.7%	32.1	3784
21/11/85	NA	13.95+-33.3%	395.86+- 1.1%	28.4	4793
5/ 2/86	33.566	NA	NA		130
1/ 5/86	34.103	7.66+-58.7%	249.17+- 1.7%	32.5	698
29/ 7/86	33.977	30.47+-15.9%	238.77+- 1.9%	7.8	3044
26/10/86	33.309	28.01+-18.5%	280.63+- 1.7%	10.0	5776
6/ 2/87	33.674	20.12+-24.2%	274.99+- 1.6%	13.7	420
19/ 5/87	33.836	17.40+-29.4%	167.54+- 2.7%	9.6	3893
15/ 8/87	NA	16.94+-30.1%	179.98+- 2.5%	10.6	5823
13/11/87	33.430	ND	243.70+- 1.4%		7746
<i>Site 2 Chapelcross</i>					
<i>Station 70 Knock Bay (Stranraer)</i>		<i>54:52:23N 5: 8:44W</i>			
4/ 2/87	11.896	ND	96.57+- 2.8%		431
15/ 5/87	33.689	14.09+-23.9%	163.32+- 1.9%	11.6	3901
30/ 5/87	NA	15.78+-37.4%	216.20+- 2.3%	13.7	5831
28/ 6/87	NA	11.36+-34.2%	212.68+- 1.6%	18.7	5832
27/ 7/87	NA	14.17+-27.2%	225.66+- 1.6%	15.9	5833
14/ 8/87	NA	5.66+-57.7%	82.69+- 3.4%	14.6	5834
31/ 8/87	31.809	12.17+-30.1%	208.72+- 1.5%	17.2	8187
30/ 9/87	31.669	12.12+-31.0%	201.38+- 1.7%	16.6	8188
28/10/87	31.732	10.98+-30.1%	200.34+- 1.5%	18.2	8189
11/11/87	31.761	12.15+-28.3%	198.97+- 1.6%	16.4	8190
8/ 2/88	27.849	5.40+-40.8%	166.05+- 1.2%	30.8	710
24/ 2/88	NA	12.27+-31.3%	140.27+- 2.3%	11.4	3057
14/ 3/88	NA	ND	144.62+- 1.6%		3040

**Annex 1 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
15/ 4/88	NA	9.09+-40.1%	139.24+- 2.3%	15.3	3041
8/ 5/88	NA	ND	140.39+- 1.6%		3042
30/ 5/88	NA	ND	134.22+- 1.5%		6608
30/ 6/88	NA	ND	126.92+- 1.7%		4888
30/ 7/88	NA	ND	117.05+- 1.6%		4889
15/ 8/88	8.484	ND	52.60+- 3.5%		7826
15/ 9/88	12.171	7.08+-32.6%	52.65+- 3.1%	7.4	7830
15/10/88	12.923	ND	59.40+- 3.7%		7824
15/11/88	30.322	ND	110.30+- 1.8%		8835
15/12/88	30.155	ND	113.54+- 1.9%		8836
15/ 1/89	30.326	ND	112.01+- 1.9%		443
15/ 2/89	21.080	ND	78.85+- 2.5%		2445
15/ 3/89	20.524	ND	76.85+- 2.5%		2446
15/ 4/89	20.882	ND	80.89+- 2.4%		2447
15/ 5/89	32.315	ND	161.55+- 1.2%		4549
15/ 6/89	31.917	ND	164.32+- 1.3%		4548
15/ 8/89	32.079	5.75+-58.9%	123.63+- 2.4%	21.5	5832
15/ 9/89	32.316	5.53+-54.0%	116.05+- 2.3%	21.0	5833
15/10/89	32.172	ND	122.30+- 1.7%		5834
14/11/89	NA	ND	21.81+- 8.4%		8164
14/12/89	NA	ND	15.57+-10.8%		8165

*Site 52 Northern Ireland*

*Station 190 North of Larne Harbour 54:52: 0N 5:48: 0W*

15/ 1/87	33.694	13.27+-14.6%	186.23+- 1.3%	14.0	325
12/ 2/87	33.595	14.01+-18.8%	136.38+- 1.8%	9.7	428
11/ 3/87	32.955	15.48+-16.9%	176.97+- 1.4%	11.4	1430
15/ 4/87	32.150	15.80+-17.5%	181.85+- 1.4%	11.5	2517
13/ 5/87	33.781	9.48+-30.7%	128.41+- 2.0%	13.5	3789
11/ 6/87	33.895	8.72+-23.0%	86.53+- 2.0%	9.9	3910
10/ 7/87	NA	11.64+-21.8%	125.40+- 1.8%	10.8	5007
11/ 8/87	NA	5.22+-49.6%	65.22+- 3.4%	12.5	5469
11/ 9/87	33.257	10.94+-26.0%	117.52+- 2.1%	10.7	7325
12/10/87	33.041	ND	88.87+- 1.9%		6956
12/11/87	32.944	14.84+-18.3%	161.75+- 1.6%	10.9	7738
11/12/87	33.940	ND	86.60+- 1.8%		8664
12/ 1/88	32.837	12.64+-21.6%	172.60+- 1.5%	13.7	315
12/ 2/88	32.254	4.91+-38.5%	147.68+- 1.2%	30.1	712
11/ 3/88	32.862	7.75+-34.6%	100.48+- 2.3%	13.0	1582
11/ 4/88	33.556	5.47+-36.2%	103.24+- 1.7%	18.9	2489
13/ 6/88	NA	ND	94.80+- 1.8%		3599
11/ 7/88	NA	ND	79.05+- 1.1%		4465
12/ 8/88	NA	ND	61.81+- 2.5%		4890
12/ 9/88	NA	ND	89.71+- 1.9%		6049
12/10/88	NA	ND	67.23+- 2.5%		6603
11/11/88	33.510	ND	110.90+- 1.5%		7821
12/12/88	33.605	3.70+-48.9%	86.60+- 1.8%	23.4	8217

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
11/ 1/89	35.078	ND	46.28+- 3.3%		158
10/ 2/89	33.816	ND	44.86+- 3.3%		943
13/ 3/89	33.273	ND	43.42+- 3.3%		1509
14/ 4/89	33.634	ND	74.07+- 2.1%		2450
11/ 5/89	33.342	ND	76.97+- 2.2%		2195
13/ 6/89	32.721	ND	81.29+- 1.9%		3486
11/ 7/89	33.865	ND	88.24+- 1.7%		4550
11/ 8/89	33.793	ND	71.26+- 2.1%		4714
11/ 9/89	34.423	ND	39.65+- 5.2%		5828
13/10/89	33.707	ND	51.98+- 1.4%		6818
14/11/89	33.750	ND	68.33+- 2.2%		7504
11/12/89	NA	ND	111.50+- 1.5%		8047

*Site 10 Hunterston*

*Station 18 Rearing Tank Inlet (Beach) 55:42:59N 4:54: 9W*

28/ 2/85	32.120	26.87+-26.4%	768.95+- 1.0%	28.6	522
23/ 6/85	32.625	68.47+-11.5%	723.58+- 1.0%	10.6	1993
8/ 9/85	26.962	157.52+- 1.4%	869.79+- 0.5%	5.5	3779
19/11/85	NA	20.66+-12.1%	425.67+- 0.7%	20.6	5134
3/ 2/86	NA	33.25+- 7.5%	445.93+- 0.6%	13.4	129
30/ 4/86	32.481	14.07+-18.5%	345.53+- 0.8%	24.6	695
29/ 7/86	31.735	53.31+- 4.9%	422.18+- 0.7%	7.9	3047
25/10/86	31.382	77.98+- 3.8%	478.66+- 0.7%	6.1	5778
5/ 2/87	31.773	18.95+-13.1%	230.23+- 1.1%	12.1	426
19/ 5/87	30.700	86.95+- 3.3%	496.50+- 0.7%	5.7	3790
14/ 8/87	NA	124.88+- 2.3%	605.62+- 0.7%	4.8	5821
12/11/87	31.868	287.17+- 1.2%	1076.10+- 0.6%	3.7	7747
10/ 2/88	30.512	104.96+- 2.0%	612.05+- 0.5%	5.8	714
11/ 5/88	32.927	4.89+-35.9%	143.40+- 1.1%	29.3	3038
4/ 8/88	NA	63.13+- 4.3%	374.41+- 0.8%	5.9	4898
30/10/88	32.429	9.90+-25.5%	150.30+- 1.5%	15.2	7825
28/ 1/89	31.490	27.17+- 7.2%	199.75+- 0.9%	7.4	942
24/ 4/89	32.251	4.75+-37.6%	136.11+- 1.2%	28.7	2451
10/ 7/89	32.595	ND	114.73+- 1.4%		4552
20/10/89	31.482	ND	94.82+- 1.1%		6815

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<i>Site 10 Hunterston</i>					
<i>Station 25 Inlet</i>					
			55:43:21N	4:54: 5W	
15/ 2/88	32.302	NA	NA		1730
20/ 2/88	NA	ND	267.59+- 1.6%		6594
15/ 3/88	32.254	NA	NA		1731
19/ 3/88	NA	ND	222.74+- 1.9%		6596
15/ 4/88	32.118	NA	NA		3021
17/ 4/88	NA	ND	196.02+- 2.1%		6595
14/ 5/88	NA	ND	157.07+- 2.5%		6607
15/ 5/88	33.018	NA	NA		3682
11/ 6/88	NA	ND	195.10+- 2.1%		6593
15/ 6/88	32.942	NA	NA		3753
9/ 7/88	NA	ND	157.97+- 2.5%		6592
15/ 7/88	33.019	NA	NA		5479
6/ 8/88	NA	ND	160.75+- 1.8%		7828
15/ 8/88	31.887	NA	NA		5480
3/ 9/88	NA	ND	160.80+- 2.3%		7827
15/ 9/88	31.631	NA	NA		6479
1/10/88	NA	ND	144.80+- 2.5%		7822
15/10/88	32.427	NA	NA		6940
30/10/88	32.889	11.90+-21.8%	148.40+- 1.5%	12.5	7823
1/11/88	32.715	9.12+-59.0%	163.93+- 2.5%	18.0	8865
15/11/88	NA	NA	NA		8569
11/12/88	32.329	11.64+-20.3%	146.34+- 1.4%	12.6	8866
15/12/88	NA	NA	NA		8795
15/ 1/89	31.046	NA	NA		1993
15/ 2/89	31.257	NA	NA		1994
18/ 2/89	NA	26.34+- 6.6%	218.65+- 0.8%	8.3	2192
15/ 3/89	31.628	NA	NA		1995
15/ 4/89	32.408	NA	NA		2666
15/ 5/89	NA	ND	120.78+- 1.4%		4554
15/ 5/89	32.684	NA	NA		3557
15/ 6/89	32.903	NA	NA		3689
15/ 7/89	33.099	NA	NA		4787
15/ 8/89	32.676	NA	NA		5299
19/ 8/89	NA	ND	104.62+- 1.0%		6817
26/11/89	NA	ND	104.53+- 1.4%		8157

**Annex 1 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
shoreline sampling, 1985-89**

Collection date	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<i>Site 15 Dounreay</i>					
<i>Station 110 Sandside Bay</i>		<i>58:34:12N 3:47:30W</i>			
25/ 3/85	NA	ND	169.72+- 2.0%		3069
26/ 6/85	NA	ND	269.40+- 1.3%		3070
26/ 9/85	34.188	ND	157.67+- 1.4%		5666
12/11/85	33.522	34.57+-12.3%	410.03+- 0.9%	11.9	5667
15/ 3/86	34.024	16.33+-23.3%	178.89+- 1.8%	11.0	392
19/ 3/86	33.838	NA	NA		395
14/ 5/86	NA	16.02+-19.6%	27.24+- 8.0%	1.7	6036
18/ 8/86	NA	15.27+-20.6%	51.08+- 4.7%	3.3	6037
19/11/86	NA	28.90+- 9.2%	170.40+- 1.4%	5.9	6038
25/ 2/87	33.972	13.71+-56.7%	59.26+- 8.4%	4.3	8665
26/ 5/87	34.337	47.19+-15.5%	232.60+- 2.4%	4.9	8666
27/ 8/87	34.539	82.42+- 3.9%	414.02+- 0.8%	5.0	8704
30/11/87	33.651	7.70+-39.4%	67.68+- 3.6%	8.8	8705
1/ 3/88	31.702	52.09+-12.6%	199.87+- 2.3%	3.8	8009
31/ 5/88	34.108	13.11+-28.7%	80.47+- 3.0%	6.1	8015
24/ 8/88	33.497	6.10+-57.2%	48.89+- 4.7%	8.0	8016
22/11/88	34.114	30.60+-16.4%	149.68+- 2.8%	4.9	8014
1/ 3/89	34.022	22.38+-12.7%	136.68+- 1.5%	6.1	7742
24/ 5/89	34.534	ND	27.45+- 4.1%		7743
7/ 9/89	NA	ND	18.61+- 5.7%		7744
18/11/89	NA	ND	20.52+- 5.2%		7745

**ANNEX 2. CONCENTRATIONS OF  $^{134}\text{Cs}$  AND  $^{137}\text{Cs}$  IN FILTERED SEA WATER ( $\text{Bq m}^{-3}$ ):  
ROUTINE OFFSHORE SAMPLING, 1985-89**

**Annex 2. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<i>Site 48 DAFS Water Samples</i>							
<i>Station 3 Fair Isle</i>							
				59:30: 0N	2: 0: 0W		
16/ 2/85		3	35.047	13.63+-48.3%	50.99+- 7.8%	3.7	2853
28/ 4/85		3	35.052	ND	51.59+- 5.1%		2847
28/ 5/85		3	35.088	ND	38.58+- 6.6%		3434
21/ 6/85		3	35.027	ND	64.50+- 2.9%		3439
16/ 7/85		3	34.864	ND	93.89+- 2.0%		3435
12/ 8/85		3	35.000	ND	74.00+- 3.5%		4280
13/ 9/85		3	34.925	13.46+-41.2%	108.74+- 3.9%	8.1	4283
16/12/85		3	35.061	ND	31.25+- 8.3%		5643
6/ 1/86		3	34.972	ND	48.94+- 3.8%		374
17/ 2/86		3	35.160	ND	21.14+-11.6%		500
28/ 4/86		3	35.087	ND	28.63+- 6.7%		2145
30/ 6/86		3	NA	21.73+-13.4%	56.73+- 4.0%	2.6	4580
14/ 7/86		3	35.129	26.42+-10.5%	62.76+- 3.5%	2.4	4576
23/ 8/86		3	35.040	25.24+-10.9%	57.18+- 3.9%	2.3	4577
18/ 9/86		3	NA	13.98+-19.7%	59.40+- 3.7%	4.2	4582
18/11/86		3	NA	13.27+-21.2%	56.70+- 3.6%	4.3	6576
29/11/86		3	NA	15.39+-17.9%	73.74+- 2.8%	4.8	6575
26/ 1/87		3	34.907	ND	30.22+- 9.1%		173
22/ 2/87		3	35.049	ND	20.39+- 3.4%		2336
22/ 3/87		3	35.155	ND	13.83+- 5.7%		2337
24/ 4/87		3	35.062	ND	25.52+- 3.2%		5338
8/ 6/87		3	35.127	ND	11.48+- 6.5%		5339
6/ 7/87		3	34.945	ND	42.10+- 3.9%		5340
26/ 7/87		3	35.012	ND	16.30+- 5.0%		5341
17/ 9/87		3	34.910	ND	26.10+- 2.5%		7654
20/12/87		3	35.059	ND	20.73+- 3.1%		9088
16/ 1/88		3	34.839	ND	21.81+- 2.9%		726
20/ 2/88		3	NA	ND	22.13+- 3.1%		3231
2/ 5/88		3	NA	ND	26.83+- 2.5%		3227
30/ 5/88		3	NA	5.16+-18.8%	34.33+- 1.8%	6.7	6014
13/ 6/88		3	NA	4.25+-22.7%	31.43+- 2.0%	7.4	6015
18/ 7/88		3	NA	3.64+-24.9%	27.43+- 2.1%	7.5	6016
23/ 8/88		3	NA	1.77+-47.1%	16.99+- 3.2%	9.6	6017
20/ 9/88		3	NA	1.57+-52.1%	14.38+- 3.8%	9.1	6018
26/10/88		0	34.869	ND	16.73+- 3.9%		7816
5/11/88		0	34.894	ND	15.19+- 4.1%		7817
20/12/88		0	34.887	ND	12.91+- 4.8%		9033
23/ 1/89		3	34.937	ND	9.76+- 5.8%		2542
28/ 6/89		3	35.282	ND	6.60+-18.6%		4969
4/10/89		3	35.017	ND	10.17+- 6.1%		7732
13/12/89		3	NA	ND	8.84+- 7.2%		8383

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
routine offshore sampling, 1985-89**

Collection date	Station	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
<b>Site 48 DAFS Water Samples</b>							
<b>Station 4 Buckie</b>							
				57:49: 0N 2:58: 0W			
20/ 1/85		3	34.358	ND	97.30+- 3.0%		2851
15/ 2/85		3	34.664	ND	112.51+- 2.6%		2846
8/ 5/85		3	34.110	ND	110.73+- 2.6%		2855
24/ 5/85		3	33.725	ND	102.91+- 2.6%		2849
1/ 7/85		3	34.378	ND	113.63+- 1.8%		3440
23/ 7/85		3	34.701	ND	118.17+- 2.5%		3442
14/ 8/85		3	34.620	ND	122.75+- 2.2%		4286
30/ 9/85		3	34.104	ND	116.03+- 2.4%		4285
17/10/85		3	34.658	ND	109.55+- 2.5%		5645
3/11/85		3	34.667	ND	101.41+- 2.8%		5642
17/12/85		3	34.742	ND	84.19+- 3.3%		5644
18/12/85		3	31.808	ND	88.63+- 3.1%		5648
18/ 1/86		3	34.645	ND	89.89+- 2.2%		371
26/ 2/86		3	34.098	ND	85.78+- 2.3%		502
1/ 3/86		3	34.442	ND	84.16+- 3.3%		497
14/ 4/86		3	34.051	ND	82.51+- 2.4%		2148
14/ 5/86		3	34.514	76.36+- 6.1%	195.03+- 2.1%	2.6	2132
16/ 6/86		3	33.441	35.03+-10.1%	120.41+- 2.5%	3.4	2147
14/ 7/86		3	NA	31.48+- 8.8%	120.62+- 1.9%	3.8	4579
6/ 8/86		3	NA	29.53+- 8.9%	117.75+- 1.8%	4.0	4584
22/ 9/86		3	NA	23.87+-10.7%	101.75+- 2.1%	4.3	4772
3/10/86		3	NA	22.51+-13.2%	78.62+- 2.7%	3.5	6579
29/11/86		3	34.799	14.09+-21.9%	84.17+- 2.7%	6.0	6578
14/12/86		3	NA	8.26+-39.3%	73.99+- 3.3%	9.0	6572
15/ 1/87		3	34.585	ND	84.50+- 2.4%		174
9/ 3/87		3	34.574	6.17+-55.3%	51.84+- 4.8%	8.4	2342
16/ 4/87		3	34.629	5.31+-36.0%	36.01+- 3.9%	6.8	5325
18/ 5/87		3	34.249	2.67+-58.9%	31.37+- 3.8%	11.8	5326
25/ 6/87		3	34.535	ND	16.02+- 5.1%		5328
30/ 8/87		3	34.811	ND	26.28+- 3.0%		7653
28/ 9/87		3	34.827	ND	31.54+- 2.6%		7660
5/11/87		3	34.521	ND	35.21+- 1.9%		9086
18/ 1/88		3	34.725	ND	36.25+- 1.8%		725
19/ 2/88		3	NA	ND	29.26+- 2.3%		3228
26/ 5/88		3	34.540	2.70+-36.0%	31.30+- 2.0%	11.6	5999
6/ 6/88		3	34.238	2.50+-39.2%	31.50+- 2.0%	12.6	6000
7/ 8/88		3	34.438	1.70+-51.6%	32.40+- 1.8%	19.1	6001
11/ 8/88		3	34.195	2.40+-35.3%	36.40+- 1.6%	15.2	6002
30/ 9/88		3	34.674	NA	NA		6003
26/10/88		0	34.493	ND	29.09+- 2.3%		7815
24/11/88		0	34.591	ND	25.83+- 2.4%		7813
19/12/88		0	34.637	ND	28.38+- 2.3%		9031
10/ 1/89		3	34.566	ND	23.47+- 2.6%		2543

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
routine offshore sampling, 1985-89**

Collection date	Station	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
22/ 4/89		3	34.371	ND	25.04+- 2.7%		4965
3/ 7/89		3	34.875	ND	12.41+- 5.1%		4971
26/10/89		3	34.743	ND	11.31+- 5.1%		7731
10/12/89		3	NA	ND	14.60+- 3.9%		7957
<b>Site 48 DAFS Water Samples</b>							
<b>Station 5 Aberdeen</b>							
57:10: 0N 1:55: 0W							
16/ 1/85		3	25.932	ND	59.17+- 4.7%		2859
1/ 2/85		3	34.066	ND	84.71+- 2.4%		2856
9/ 5/85		3	34.235	ND	104.56+- 1.9%		2844
6/ 6/85		3	34.520	ND	115.20+- 2.7%		2854
29/ 6/85		3	33.932	ND	109.90+- 1.8%		3437
12/ 7/85		3	34.300	ND	108.70+- 1.8%		3441
9/ 8/85		3	34.406	ND	110.88+- 2.4%		4282
6/ 9/85		3	34.517	ND	119.88+- 2.2%		4288
14/10/85		3	34.581	ND	116.59+- 2.4%		5649
21/11/85		3	34.604	ND	100.96+- 2.9%		5647
19/12/85		3	33.849	ND	100.77+- 2.7%		5638
3/ 1/86		3	34.291	ND	107.35+- 1.9%		372
1/ 2/86		3	NA	16.30+-31.3%	69.45+- 5.6%	4.3	495
28/ 2/86		3	34.552	8.31+-59.8%	74.97+- 5.2%	9.0	473
30/ 4/86		3	34.183	7.14+-51.7%	81.84+- 3.6%	11.5	2142
16/ 5/86		3	34.137	19.14+-18.9%	102.07+- 2.9%	5.3	2137
3/ 7/86		3	34.311	32.05+-10.9%	111.47+- 2.7%	3.5	2141
11/ 7/86		3	NA	37.60+- 7.2%	114.31+- 1.9%	3.0	4587
15/ 8/86		3	NA	27.28+-10.2%	119.09+- 1.9%	4.4	4727
25/ 9/86		3	NA	17.07+-15.7%	98.76+- 2.2%	5.8	4588
3/10/86		3	NA	14.92+-20.9%	105.89+- 2.1%	7.1	6585
20/11/86		3	NA	19.67+-14.0%	88.82+- 2.3%	4.5	6577
17/12/86		3	NA	16.27+-17.1%	82.21+- 2.5%	5.1	6588
7/ 1/87		3	34.184	17.44+-23.0%	74.34+- 4.0%	4.3	172
4/ 2/87		3	34.149	12.86+-13.7%	66.81+- 2.0%	5.2	2340
4/ 3/87		3	34.223	9.00+-16.5%	63.55+- 1.8%	7.1	2338
12/ 5/87		3	34.306	ND	36.20+- 2.4%		5334
3/ 6/87		3	34.513	3.17+-52.7%	29.95+- 4.3%	9.4	5337
17/ 6/87		3	34.646	3.05+-51.6%	26.71+- 4.6%	8.7	5335
15/ 7/87		3	34.493	ND	25.12+- 3.2%		5336
12/ 8/87		3	34.587	ND	24.40+- 3.0%		7658
9/ 9/87		3	34.752	ND	24.20+- 3.2%		7652
7/10/87		3	34.900	ND	29.84+- 2.2%		7655
5/11/87		3	34.398	2.60+-51.1%	31.09+- 3.1%	11.9	9091
21/12/87		3	34.229	ND	35.57+- 1.9%		9092
8/ 1/88		3	34.354	ND	36.22+- 1.9%		728
3/ 2/88		3	NA	ND	35.66+- 1.9%		3226
3/ 5/88		3	34.324	ND	27.69+- 2.4%		3224
20/ 5/88		3	34.647	ND	28.97+- 4.4%		3223

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8/ 6/88		3	34.589	3.70+-24.7%	27.10+- 2.2%	7.3	5992
6/ 7/88		3	34.631	3.00+-30.2%	31.50+- 1.9%	10.5	5993
3/ 8/88		3	34.567	3.50+-27.8%	36.10+- 1.8%	10.3	5994
17/ 9/88		3	34.488	2.90+-28.5%	28.80+- 2.0%	9.9	5995
15/10/88		0	33.925	ND	27.19+- 2.2%		7814
3/11/88		0	33.933	ND	28.74+- 2.3%		7818
21/12/88		0	34.449	ND	25.01+- 2.8%		9032
5/ 1/89		3	34.220	ND	24.42+- 2.4%		2545
22/ 4/89		3	34.349	ND	23.99+- 2.8%		4964
5/ 7/89		3	34.519	ND	16.13+- 2.7%		4973
12/12/89		3	NA	ND	14.71+- 4.4%		8382
<b>Site 48 DAFS Water Samples</b>							
<b>Station 6 Arbroath</b>							
				56:32: 0N 2:20: 0W			
8/ 3/85		3	34.458	ND	73.07+- 3.9%		2841
30/ 4/85		3	34.385	ND	96.68+- 3.3%		3433
9/ 5/85		3	34.339	ND	95.04+- 3.1%		2852
10/ 6/85		3	34.228	ND	96.45+- 2.0%		2857
11/ 8/85		3	34.235	ND	105.15+- 2.6%		4284
8/ 9/85		3	34.210	ND	97.60+- 2.8%		4278
13/ 1/86		3	34.334	ND	109.99+- 1.9%		375
22/10/86		3	NA	20.07+-14.9%	104.29+- 2.1%	5.2	6574
7/ 3/87		3	34.293	16.51+-20.5%	76.86+- 3.3%	4.7	2341
8/10/87		3	34.340	ND	37.87+- 2.2%		7662
4/ 2/88		3	34.281	ND	35.85+- 2.1%		729
14/ 4/88		3	NA	2.72+-51.3%	34.01+- 3.1%	12.5	3230
25/ 5/88		3	33.703	3.20+-30.7%	32.40+- 1.9%	10.1	5997
21/ 9/88		3	34.310	2.70+-30.8%	33.80+- 1.7%	12.5	5998
17/ 1/89		3	33.921	ND	24.80+- 2.4%		2546
7/12/89		3	34.277	ND	24.16+- 2.5%		7740
<b>Site 22 Channel Islands</b>							
<b>Station 218 Jersey, Ecrehos</b>							
				49:17:15N 2: 0: 0W			
5/ 2/85		0	NA	ND	10.27+- 6.3%		151
16/ 4/85		0	NA	ND	10.90+-11.2%		782
9/ 7/85		0	NA	4.63+-27.9%	10.43+- 9.2%	2.3	2996
7/11/85		0	NA	4.48+-25.8%	15.48+- 6.2%	3.5	4617
5/ 2/86		0	NA	ND	11.23+- 5.9%		56
17/ 4/86		0	NA	ND	11.79+- 8.0%		598
10/ 7/86		0	NA	ND	11.93+-11.1%		3015
9/10/86		0	NA	2.87+-45.9%	6.80+-15.0%	2.4	5038

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
9/ 1/87		0	NA	ND	9.26+-10.0%		166
16/ 4/87		0	NA	ND	5.42+-17.4%		2525
9/ 7/87		0	NA	ND	4.53+-14.1%		5165
13/10/87		0	NA	3.36+-39.6%	4.22+-25.1%	1.3	7244
20/ 1/88		0	NA	ND	10.30+- 9.3%		341
29/ 4/88		0	NA	ND	7.60+- 8.8%		2310
20/ 7/88		0	NA	ND	5.49+-12.1%		4393
18/10/88		0	NA	ND	4.02+-15.7%		6509
30/ 1/89		0	NA	ND	5.97+-10.5%		388
13/ 4/89		0	NA	ND	4.73+-13.2%		1854
14/ 7/89		0	NA	ND	5.75+-10.9%		5570
13/11/89		0	NA	ND	10.40+- 6.1%		7215

*Site 50 St Georges Channel*

*Station 1 Fishguard-Rosslare 1 52: 3: 0N 5: 5: 0W*

28/ 1/85		3	34.675	ND	21.15+-14.1%		655
15/ 2/85		3	34.658	ND	10.97+-14.8%		658
15/ 3/85		3	34.552	ND	11.66+-13.2%		1334
15/ 4/85		3	34.642	ND	10.04+-15.2%		1337
15/ 5/85		3	34.479	ND	13.76+-12.8%		4076
15/ 6/85		3	34.444	ND	13.32+-11.3%		4079
2/ 7/85		0	34.849	ND	ND		5605
15/ 7/85		3	34.725	ND	10.74+-20.6%		4289
27/ 8/85		3	34.797	ND	ND		4292
15/ 9/85		3	34.958	ND	4.99+-32.3%		4295
30/12/85		0	34.411	ND	9.62+-48.0%		5712
13/ 1/86		3	34.753	NA	NA		1190
24/ 2/86		3	34.789	NA	NA		1193
10/ 3/86		3	34.305	ND	ND		1196
26/ 3/86		3	34.509	ND	39.63+- 7.8%		1199
7/ 4/86		3	34.767	ND	9.50+-20.3%		1214
21/ 4/86		3	34.591	ND	51.51+- 7.2%		1211
5/ 5/86		3	34.482	ND	8.01+-55.1%		1202

*Site 50 St Georges Channel*

*Station 2 Fishguard-Rosslare 2 52:10: 0N 5:40: 0W*

28/ 1/85		3	34.703	ND	20.99+-29.7%		656
15/ 2/85		3	NA	ND	9.22+-37.8%		659
15/ 3/85		3	34.871	ND	9.34+-17.4%		1335
15/ 4/85		3	34.866	ND	11.40+-13.4%		1338
15/ 5/85		3	34.840	ND	5.03+-41.6%		4077
15/ 6/85		3	34.591	ND	13.01+-16.7%		4080
2/ 7/85		0	34.906	ND	ND		5606
15/ 7/85		3	34.853	ND	8.26+-24.3%		4290
27/ 8/85		3	34.891	ND	7.97+-52.1%		4293

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
15/ 9/85		3	34.996	ND	7.54+-20.2%		4296
2/12/85		0	35.023	ND	6.11+-50.4%		5710
30/12/85		0	34.343	ND	9.71+-30.9%		5713
13/ 1/86		3	34.968	NA	NA		1191
24/ 2/86		3	34.954	NA	NA		1194
10/ 3/86		3	34.964	ND	5.50+-57.6%		1197
26/ 3/86		3	34.921	ND	7.82+-40.2%		1200
7/ 4/86		3	34.951	ND	5.05+-41.3%		1215
21/ 4/86		3	34.961	ND	ND		1212
5/ 5/86		3	34.850	ND	11.46+-42.1%		1203
<b>Site 50 St Georges Channel</b>							
<b>Station 3 Fishguard-Rosslare 3 52:12: 0N 6: 5: 0W</b>							
28/ 1/85		3	34.774	ND	21.70+-29.0%		657
15/ 2/85		3	34.977	ND	12.44+-12.5%		660
15/ 3/85		3	34.966	ND	13.68+-11.8%		1336
15/ 4/85		3	34.606	ND	13.39+-11.4%		1339
15/ 5/85		3	34.590	ND	8.60+-35.7%		4078
15/ 6/85		3	34.571	ND	21.75+-10.2%		4081
2/ 7/85		0	34.725	ND	ND		5607
15/ 7/85		3	34.672	ND	21.14+-10.4%		4291
27/ 8/85		3	34.709	ND	17.83+-32.7%		4294
15/ 9/85		3	34.765	ND	17.12+-17.4%		4297
2/12/85		0	34.980	ND	ND		5711
30/12/85		0	33.133	ND	ND		5714
13/ 1/86		3	34.520	NA	NA		1192
24/ 2/86		3	34.344	ND	13.39+-23.6%		1195
10/ 3/86		3	34.411	ND	19.93+-15.2%		1198
26/ 3/86		3	34.950	ND	19.08+-15.8%		1201
7/ 4/86		3	34.667	ND	30.08+- 7.4%		1216
21/ 4/86		3	34.792	NA	NA		1213
5/ 5/86		3	34.391	44.91+-20.1%	92.02+- 7.7%	2.0	1204
<b>Site 1 Sellafield</b>							
<b>Station 82 Dahn Buoy 54:22: 6N 3:31:56W</b>							
26/ 2/85		3	33.119	90.00+-15.7%	2064.11+- 0.8%	22.9	221
26/ 2/85		12	33.020	91.92+-12.6%	2536.50+- 0.7%	27.6	222
14/ 5/85	15	3	33.159	487.44+- 2.9%	5324.30+- 0.4%	10.9	1573
14/ 5/85	15	10	33.401	217.83+- 7.2%	3007.30+- 0.6%	13.8	1576
29/ 8/85		3	31.874	100.77+- 3.9%	2376.00+- 0.3%	23.6	3767
29/ 8/85		15	32.471	108.53+- 3.9%	2467.20+- 0.3%	22.7	3768
13/11/85		0	NA	69.93+- 7.2%	1762.30+- 0.4%	25.2	4710
13/11/85		20	NA	74.07+- 6.8%	1625.00+- 0.4%	21.9	4708
19/ 2/86	20	1	33.286	32.38+-15.7%	646.36+- 0.8%	20.0	320
19/ 2/86	20	19	33.399	16.20+-29.8%	452.51+- 1.0%	27.9	363

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
19/ 5/86	19	1	NA	91.80+- 5.9%	813.42+- 0.7%	8.9	943
19/ 5/86	19	18	NA	75.61+- 6.7%	833.75+- 0.7%	11.0	944
19/ 8/86		0	33.009	64.41+- 9.0%	1045.00+- 0.6%	16.2	3670
19/ 8/86		0	33.031	68.65+- 7.8%	1031.40+- 0.6%	15.0	3672
14/12/86		0	32.054	37.47+-10.1%	596.63+- 0.7%	15.9	6250
14/12/86		0	31.901	35.10+-10.2%	596.99+- 0.6%	17.0	6249
23/ 2/87		0	32.372	86.20+- 4.1%	789.34+- 0.5%	9.2	712
23/ 2/87		0	32.535	42.71+- 8.2%	573.09+- 0.6%	13.4	713
6/ 5/87		0	32.871	21.06+-22.5%	434.15+- 1.1%	20.6	2703
6/ 5/87		0	33.100	18.44+-25.6%	345.23+- 1.3%	18.7	2704
18/ 8/87		0	NA	272.25+- 2.2%	1488.90+- 0.6%	5.5	5830
18/ 8/87		0	NA	11.34+-42.0%	517.57+- 0.9%	45.6	5829
14/12/87		0	NA	28.37+-17.3%	542.71+- 0.9%	19.1	8639
14/12/87		3	32.999	24.11+-20.6%	470.11+- 1.0%	19.5	8637
14/ 3/88		0	32.640	11.34+-44.6%	395.35+- 1.2%	34.9	1586
14/ 3/88		0	32.588	ND	331.37+- 1.1%		1585
26/ 5/88		0	NA	ND	377.43+- 0.7%		3049
26/ 5/88		0	NA	ND	267.98+- 0.9%		3048
22/ 8/88		0	NA	5.89+-41.7%	505.94+- 0.5%	85.9	5354
22/ 8/88		0	NA	9.37+-27.3%	611.53+- 0.4%	65.3	5353
1/12/88		0	32.319	17.57+-21.4%	596.56+- 0.7%	34.0	7837
1/12/88		15	32.672	13.69+-26.2%	455.63+- 0.8%	33.3	7838
16/ 3/89		0	31.345	21.99+-23.0%	758.80+- 0.7%	34.5	1513
16/ 3/89		0	32.426	ND	374.71+- 0.9%		1514
13/ 6/89		0	32.074	ND	370.17+- 1.0%		3483
13/ 6/89		0	33.094	ND	465.35+- 0.8%		3484
11/ 9/89		0	32.814	43.09+-12.0%	1659.63+- 0.4%	38.5	5821
11/ 9/89		0	33.322	ND	570.41+- 0.7%		5824
8/11/89		0	32.463	14.65+-32.0%	541.46+- 0.9%	37.0	7313
8/11/89		0	32.752	12.00+-38.9%	553.14+- 0.9%	46.1	7314

**Site 1 Sellafield**

Station 83 Midpoint Net Position 54:23:40N 3:32:25W

26/ 2/85		3	32.989	93.44+-14.9%	1919.95+- 0.9%	20.5	223
14/ 5/85	15	3	33.286	116.33+-11.9%	1788.20+- 0.8%	15.4	1574
29/ 8/85		3	31.843	78.30+-12.2%	2056.30+- 0.5%	26.3	3765
13/11/85		0	32.818	59.58+- 9.0%	1416.20+- 0.5%	23.8	4711
19/ 2/86	20	1	33.320	68.30+- 7.4%	666.32+- 0.8%	9.8	364
19/ 5/86		1	NA	63.46+- 8.0%	773.76+- 0.7%	12.2	945
19/ 8/86		0	33.058	58.74+- 9.0%	880.55+- 0.7%	15.0	3675
14/12/86		0	31.796	37.54+- 9.5%	575.14+- 0.6%	15.3	6251
23/ 2/87		0	32.322	76.21+- 4.8%	805.26+- 0.5%	10.6	714
6/ 5/87		0	32.641	15.04+-31.4%	403.89+- 1.1%	26.9	2707
18/ 8/87		0	NA	22.44+-22.2%	499.51+- 1.0%	22.3	5826

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
14/12/87		0	33.175	53.91+- 9.5%	929.86+- 0.6%	17.2	8660
14/ 3/88		0	32.282	12.38+-47.3%	360.88+- 1.5%	29.2	1587
26/ 5/88		0	NA	ND	307.12+- 0.8%		3050
22/ 8/88		0	NA	27.77+- 8.9%	828.40+- 0.3%	29.8	5351
1/12/88		0	32.443	8.76+-55.0%	562.80+- 0.9%	64.2	8012
16/ 3/89		0	31.242	28.53+-17.6%	754.60+- 0.7%	26.4	1506
13/ 6/89		0	32.659	ND	399.86+- 0.9%		3485
11/ 9/89		0	32.957	22.79+-22.3%	905.39+- 0.6%	39.7	5826
8/11/89		0	31.929	16.46+-28.5%	563.86+- 0.9%	34.3	7315

**Site 1 Sellafield**

Station 116 PLZ Current Meter 54:24:42N 3:32:54W

26/ 2/85		3	32.614	838.06+- 2.1%	11781.21+- 0.3%	14.1	219
26/ 2/85		12	32.902	999.60+- 1.8%	14027.97+- 0.3%	14.0	220
13/ 3/85		3	32.593	4325.96+- 0.7%	56840.51+- 0.2%	13.1	582
13/ 3/85		12	32.842	2559.61+- 0.8%	33535.99+- 0.2%	13.1	583
14/ 5/85	15	3	NA	633.53+- 2.5%	6989.40+- 0.4%	11.0	1572
14/ 5/85	15	10	33.240	591.41+- 2.9%	6428.30+- 0.4%	10.9	1575
18/ 6/85		3	32.924	190.59+- 7.7%	2951.00+- 0.6%	15.5	1996
18/ 6/85		15	33.255	135.02+-11.8%	2579.70+- 0.7%	19.1	1995
22/ 7/85		3	32.705	205.46+- 7.3%	3314.70+- 0.5%	16.1	3458
22/ 7/85		15	32.742	193.28+- 4.7%	2824.20+- 0.4%	14.6	3603
29/ 8/85		3	31.152	118.36+- 5.0%	2560.90+- 0.3%	21.6	3766
20/ 9/85		3	31.399	197.39+- 2.1%	3728.60+- 0.2%	18.9	3772
20/ 9/85		15	31.740	153.30+- 2.5%	3175.60+- 0.2%	20.7	3773
14/10/85		1	32.027	68.09+- 7.3%	1888.20+- 0.4%	27.7	4545
14/10/85		20	32.484	54.56+- 9.1%	1408.00+- 0.4%	25.8	4546
13/11/85		1	32.488	4146.10+- 0.4%	39660.00+- 0.2%	9.6	4707
13/11/85	23	20	32.432	301.31+- 2.0%	4040.60+- 0.3%	13.4	4709
13/12/85	20	1	32.235	52.14+- 9.8%	1456.70+- 0.5%	27.9	5321
13/12/85		20	33.181	52.24+- 9.6%	1253.90+- 0.5%	24.0	5138
29/ 1/86	21	1	31.335	25.43+-19.6%	795.86+- 0.7%	31.3	128
29/ 1/86	21	20	32.007	27.77+-17.3%	819.71+- 0.7%	29.5	127
19/ 2/86	20	1	33.308	68.21+- 7.4%	835.12+- 0.7%	12.2	318
19/ 2/86	20	19	33.354	26.36+-21.5%	605.41+- 0.9%	23.0	319
19/ 3/86	21	1	31.880	118.78+- 4.3%	1594.80+- 0.4%	13.4	361
19/ 3/86	21	20	33.304	22.11+-21.4%	613.92+- 0.8%	27.8	362
14/ 4/86	20	1	32.760	26.97+- 9.2%	703.67+- 0.4%	26.1	596
16/ 4/86	20	19	32.788	36.27+- 6.9%	751.33+- 0.4%	20.7	597
19/ 5/86	16	1	NA	94.46+- 5.5%	848.47+- 0.7%	9.0	941
19/ 5/86	16	15	NA	79.86+- 6.1%	867.97+- 0.7%	10.9	942
20/ 6/86	22	1	32.692	96.43+- 5.5%	907.90+- 0.7%	9.4	1533
20/ 6/86	22	21	33.088	77.18+- 6.4%	900.65+- 0.6%	11.7	1534
24/ 7/86		1	32.988	69.50+- 7.7%	884.46+- 0.7%	12.7	3054
24/ 7/86		20	33.079	65.49+- 8.8%	801.59+- 0.8%	12.2	3053
19/ 8/86		0	32.990	64.11+- 7.7%	1000.70+- 0.6%	15.6	3673

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
19/ 8/86		0	32.970	77.66+- 6.5%	1051.90+- 0.6%	13.5	3674
18/ 9/86		0	33.081	76.49+- 8.3%	1051.40+- 0.7%	13.7	4811
18/ 9/86		0	33.357	425.83+- 1.6%	3583.10+- 0.4%	8.4	4810
14/12/86		0	32.108	54.37+- 7.7%	782.45+- 0.6%	14.4	6248
14/12/86		0	30.785	44.92+- 7.9%	684.21+- 0.6%	15.2	6247
23/ 2/87		0	32.289	58.89+- 6.1%	695.53+- 0.6%	11.8	686
23/ 2/87		15	32.504	39.42+- 8.7%	562.89+- 0.6%	14.3	685
16/ 3/87		0	32.603	45.88+-10.9%	510.05+- 1.0%	11.1	922
16/ 3/87		15	32.749	47.72+-10.9%	585.49+- 0.9%	12.3	923
14/ 4/87		0	NA	49.51+-10.3%	583.37+- 0.9%	11.8	2515
14/ 4/87		15	NA	30.85+-16.2%	459.78+- 1.1%	14.9	2516
6/ 5/87		0	33.004	14.87+-32.3%	374.39+- 1.2%	25.2	2705
6/ 5/87		15	33.161	17.01+-28.8%	390.17+- 1.2%	22.9	2706
12/ 6/87		0	32.844	23.74+-20.7%	612.49+- 0.8%	25.8	3785
12/ 6/87		16	32.938	16.43+-32.2%	483.17+- 1.1%	29.4	3784
10/ 7/87		0	NA	15.93+-29.9%	594.13+- 0.8%	37.3	4807
10/ 7/87		16	NA	30.91+-16.2%	621.03+- 0.8%	20.1	4806
18/ 8/87		0	NA	378.25+- 1.6%	1777.60+- 0.6%	4.7	5827
18/ 8/87		16	NA	ND	447.12+- 0.8%		5828
28/ 9/87		0	32.399	35.04+-14.4%	801.24+- 0.7%	22.9	6897
28/ 9/87		3	32.151	65.96+- 7.9%	1179.00+- 0.5%	17.9	6898
15/10/87		3	30.661	18.83+-26.1%	689.88+- 0.8%	36.6	7322
15/10/87		15	31.946	24.75+-20.3%	710.09+- 0.8%	28.7	7321
14/12/87		0	32.959	43.96+-11.1%	595.67+- 0.9%	13.6	8628
14/12/87		3	32.860	66.50+- 7.8%	1028.00+- 0.6%	15.5	8631
22/ 1/88		0	31.209	15.41+-36.0%	515.65+- 1.1%	33.5	314
14/ 3/88		0	32.286	30.45+-16.6%	690.04+- 0.8%	22.7	1583
14/ 3/88		0	32.557	29.35+-17.5%	506.51+- 1.0%	17.3	1584
<i>Site 47 NEA Challenger Line</i>							
<i>Station 17 North Channel St 1 54:40: 0N 5:30: 0W</i>							
6/ 6/88	32	3	33.937	ND	112.42+- 1.3%		5876
27/10/88	28	3	33.697	ND	127.91+- 1.1%		8289
<i>Site 47 NEA Challenger Line</i>							
<i>Station 18 North Channel St 2 54:41: 0N 5:25: 0W</i>							
6/ 6/88	115	3	33.929	8.64+-36.4%	123.16+- 1.8%	14.3	5877
6/ 6/88	115	50	34.108	ND	106.90+- 1.3%		5879
6/ 6/88	115	100	34.011	ND	112.51+- 1.4%		5878
27/10/88	102	3	33.901	ND	123.27+- 1.2%		8290
27/10/88	102	50	33.894	ND	124.10+- 1.2%		8291
27/10/88	102	95	33.896	ND	126.93+- 1.1%		8292

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<i>Site 47 NEA Challenger Line</i>							
<i>Station 19 North Channel St 3 54:43: 0N 5:20: 0W</i>							
7/ 6/88	144	3	33.945	ND	108.70+- 1.3%		5880
7/ 6/88	144	65	34.016	ND	111.60+- 1.3%		5881
7/ 6/88	144	130	34.057	ND	100.10+- 1.4%		5882
5/11/88	155	3	33.903	ND	124.67+- 1.1%		8293
5/11/88	155	70	33.829	ND	122.70+- 1.1%		8294
5/11/88	155	140	33.909	ND	120.48+- 1.2%		8297
<i>Site 47 NEA Challenger Line</i>							
<i>Station 20 North Channel St 4 54:45: 0N 5:15: 0W</i>							
7/ 6/88	272	3	33.992	ND	64.10+- 2.0%		5883
7/ 6/88	272	125	34.126	ND	98.53+- 1.4%		5884
7/ 6/88	272	250	34.126	ND	91.50+- 1.5%		5885
5/11/88	276	3	33.880	ND	124.01+- 1.1%		8299
5/11/88	276	130	33.893	ND	128.07+- 1.1%		8303
5/11/88	276	260	33.885	ND	126.20+- 1.5%		8304
<i>Site 47 NEA Challenger Line</i>							
<i>Station 21 North Channel St 5 54:46: 0N 5:10: 0W</i>							
7/ 6/88	125	3	33.970	ND	105.50+- 1.3%		5886
7/ 6/88	125	60	34.175	ND	105.10+- 1.3%		5887
7/ 6/88	125	120	34.083	ND	94.80+- 1.5%		5888
5/11/88	130	3	33.718	ND	154.76+- 0.9%		8305
5/11/88	130	60	33.855	ND	129.55+- 1.1%		8306
5/11/88	130	120	33.862	6.17+-39.8%	125.80+- 1.6%	20.4	8307
<i>Site 47 NEA Challenger Line</i>							
<i>Station 22 North Channel St 6 54:48: 0N 5: 6: 0W</i>							
7/ 6/88	50	3	33.939	ND	115.20+- 1.3%		5890
5/11/88	22	3	33.693	ND	152.84+- 1.0%		8308
<i>Site 47 NEA Challenger Line</i>							
<i>Station 16 Larne-Stranraer Mid Point 54:57: 0N 5:30: 0W</i>							
24/ 4/87	0	0	34.108	ND	158.59+- 1.5%		4485
29/ 6/87	0	0	34.009	7.56+-44.7%	156.63+- 1.5%	20.7	4484
30/ 8/87	0	3	33.915	13.32+-24.4%	169.09+- 1.3%	12.7	6750
23/11/87	0	0	33.805	5.68+-46.2%	157.70+- 1.3%	27.8	9093
24/ 2/88	0	0	36.013	NA	NA		2198
6/ 6/88	0	3	NA	ND	116.59+- 1.2%		4017
5/11/88	0	3	33.877	ND	127.24+- 1.2%		8309
21/ 1/89	0	0	34.104	ND	95.54+- 1.1%		4975

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
10/ 5/89	0	3	33.772	ND	118.86+- 0.9%		4976
8/ 8/89	0	3	34.008	ND	100.35+- 0.9%		4977
24/11/89	147	3	33.992	2.13+-57.2%	138.58+- 0.8%	65.0	7622
<i>Site 49 North Channel</i>							
<i>Station 1 Corsewall</i> 55: 1: 0N 5:12: 0W							
11/ 3/85		3	33.689	25.71+- 9.6%	505.88+- 0.5%	19.7	866
1/ 4/85		3	34.190	19.87+-39.4%	351.72+- 1.9%	17.7	1593
20/ 5/85		3	33.975	23.00+-29.1%	517.84+- 1.2%	22.5	1901
17/ 6/85		3	33.541	14.80+-43.7%	472.11+- 1.3%	31.9	2004
15/ 7/85		3	33.794	22.81+-21.4%	442.27+- 1.0%	19.4	3756
15/ 8/85		3	33.890	31.22+-14.5%	442.65+- 1.0%	14.2	3762
9/ 9/85		3	33.388	31.52+-15.1%	1053.30+- 0.5%	33.4	3774
21/10/85		3	33.514	26.10+-24.5%	402.43+- 1.4%	15.4	4540
25/11/85		3	NA	ND	416.48+- 1.7%		4786
16/12/85		3	NA	ND	386.52+- 1.2%		5608
13/ 1/86		3	NA	17.09+-36.8%	363.65+- 1.6%	21.3	135
3/ 2/86		3	32.243	15.38+-49.6%	350.75+- 1.8%	22.8	594
11/ 8/86		3	33.363	31.11+-49.2%	268.70+- 4.6%	8.6	4801
<i>Site 49 North Channel</i>							
<i>Station 2 Mid Channel</i> 54:56: 0N 5:28: 0W							
11/ 3/85		3	34.148	22.20+-10.3%	462.90+- 0.5%	20.9	867
1/ 4/85		3	34.370	18.51+-44.9%	329.59+- 2.1%	17.8	1594
20/ 5/85		3	34.150	ND	347.56+- 1.4%		1902
17/ 6/85		3	33.935	16.86+-36.5%	382.63+- 1.5%	22.7	2005
8/ 7/85		3	34.199	18.13+-56.8%	342.35+- 2.4%	18.9	3759
22/ 7/85		3	34.221	18.36+-47.1%	447.31+- 1.7%	24.4	3757
15/ 8/85		3	33.806	22.90+-19.6%	460.88+- 0.9%	20.1	3763
9/ 9/85		3	33.789	21.30+-20.6%	410.81+- 1.0%	19.3	3775
21/10/85		3	33.310	21.81+-29.3%	390.44+- 1.4%	17.9	4541
25/11/85		3	NA	ND	345.43+- 1.9%		4787
16/12/85		3	NA	ND	378.03+- 1.1%		5609
13/ 1/86		3	NA	ND	386.74+- 1.1%		136
3/ 2/86		3	32.852	12.29+-48.3%	340.07+- 1.4%	27.7	593
11/ 8/86		3	33.936	38.95+-37.3%	230.86+- 5.0%	5.9	4808
<i>Site 49 North Channel</i>							
<i>Station 3 Hunter</i> 54:52: 0N 5:45: 0W							
11/ 3/85		3	34.252	18.40+-13.0%	366.82+- 0.6%	19.9	868
1/ 4/85		3	34.250	ND	399.69+- 1.3%		1595
20/ 5/85		3	34.184	18.01+-39.1%	313.50+- 1.9%	17.4	1903
17/ 6/85		3	34.059	14.34+-45.9%	392.49+- 1.5%	27.4	2006
8/ 7/85		3	34.104	ND	341.14+- 1.5%		3760
22/ 7/85		3	33.950	23.99+-36.2%	421.50+- 1.7%	17.6	3758

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
15/ 8/85		3	34.172	12.14+-53.8%	366.05+- 1.5%	30.2	3764
9/ 9/85		3	33.952	22.26+-19.6%	416.48+- 1.0%	18.7	3776
21/10/85		3	33.638	16.97+-36.6%	373.96+- 1.5%	22.0	4542
25/11/85		3	NA	27.98+-39.7%	350.29+- 2.7%	12.5	4788
16/12/85		3	NA	ND	369.72+- 1.1%		5610
13/ 1/86		3	NA	14.42+-39.4%	354.50+- 1.5%	24.6	137
3/ 2/86		3	33.144	13.85+-43.1%	287.62+- 1.7%	20.8	595
11/ 8/86		3	34.024	23.76+-57.8%	235.76+- 4.7%	9.9	4809
<b>Site 46 NEA Weather Ships</b>							
<b>Station 1 Station A</b>				<b>55:15: 0N 5:50: 0W</b>			
10/ 1/85		3	32.758	22.34+- 8.6%	599.11+- 0.3%	26.8	645
12/ 2/85		3	34.110	19.17+-13.9%	424.46+- 0.6%	22.1	650
6/ 3/85		3	34.145	22.99+-10.9%	397.44+- 0.5%	17.3	1779
8/ 4/85		3	34.218	18.80+-38.0%	508.00+- 1.0%	27.0	1782
24/ 4/85		3	33.858	21.52+-17.2%	375.36+- 0.8%	17.4	1785
3/ 6/85		3	34.739	7.79+-31.6%	73.98+- 2.4%	9.5	1790
29/ 6/85		3	35.294	11.22+-18.9%	512.98+- 0.4%	45.7	3226
29/ 7/85		3	34.308	ND	259.83+- 0.8%		3227
8/12/85		3	33.719	20.52+-17.0%	532.36+- 0.7%	25.9	5516
<b>Site 46 NEA Weather Ships</b>							
<b>Station 2 Station B</b>				<b>55:27: 0N 6:30: 0W</b>			
10/ 1/85		3	33.482	23.81+- 6.9%	619.83+- 0.3%	26.0	646
12/ 2/85		3	NA	3.92+-49.7%	114.40+- 1.2%	29.2	651
6/ 3/85		3	34.192	17.97+-13.3%	359.52+- 0.5%	20.0	1780
8/ 4/85		3	NA	16.80+-36.4%	346.50+- 1.3%	20.6	1783
29/ 4/85		3	34.241	8.53+-50.0%	276.54+- 1.2%	32.4	1786
3/ 6/85		3	34.855	ND	7.00+-24.5%		1791
27/ 6/85		3	34.108	18.35+-11.5%	406.68+- 0.5%	22.2	3222
29/ 7/85		3	34.445	ND	88.19+- 1.8%		3228
8/12/85		3	34.118	18.72+-17.1%	451.97+- 0.7%	24.2	5515
<b>Site 46 NEA Weather Ships</b>							
<b>Station 3 Station C</b>				<b>55:34: 0N 7:30: 0W</b>			
10/ 1/85		3	35.062	ND	19.18+- 3.8%		647
10/ 2/85		3	35.255	ND	21.69+- 5.8%		654
7/ 3/85		3	34.780	ND	122.88+- 1.8%		1781
8/ 4/85		3	35.208	ND	6.10+-31.8%		1784
30/ 4/85		3	35.108	5.06+-48.3%	33.90+- 4.8%	6.7	1787
3/ 6/85		3	34.792	ND	11.40+- 9.0%		1792
27/ 6/85		3	34.292	12.14+-28.7%	302.42+- 0.9%	24.9	3223
29/ 7/85		3	35.197	ND	12.20+- 7.8%		3229
8/12/85		3	34.230	ND	380.81+- 1.1%		5514

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<i>Site 46 NEA Weather Ships</i>							
<i>Station 4 Station D</i>		<i>55:55: 0N 10:30: 0W</i>					
11/ 1/85		3	35.366	ND	4.11+-18.4%		648
12/ 2/85		3	NA	ND	8.49+-10.4%		652
7/ 3/85		3	NA	5.28+-50.8%	43.26+- 4.3%	8.2	1505
30/ 4/85		3	35.429	ND	3.60+-28.2%		1788
3/ 6/85		3	35.398	ND	9.30+-14.1%		1793
27/ 6/85		3	35.301	ND	37.05+- 2.9%		3225
29/ 7/85		3	35.350	ND	ND		3230
9/12/85		3	33.729	19.50+-10.0%	520.37+- 0.3%	26.7	5517
<i>Site 46 NEA Weather Ships</i>							
<i>Station 5 Station E</i>		<i>57: 0: 0N 20: 0: 0W</i>					
16/ 1/85		3	35.344	ND	5.76+-14.6%		649
12/ 2/85		3	35.417	ND	3.76+-26.3%		653
9/ 3/85		3	NA	ND	13.19+- 6.1%		1506
7/ 4/85		3	NA	ND	5.34+-17.3%		1508
3/ 5/85		3	35.277	ND	4.10+-22.3%		1789
1/ 6/85		3	35.320	ND	2.97+-36.2%		1794
27/ 6/85		3	35.079	ND	18.04+- 5.6%		3224
11/12/85		3	34.163	16.15+-18.4%	360.68+- 0.7%	22.3	5518
<i>Site 47 NEA Challenger Line</i>							
<i>Station 1 Challenger St 1</i>		<i>56:40: 0N 6: 8: 0W</i>					
28/ 1/85	64	3	NA	13.69+-16.8%	292.47+- 0.6%	21.4	1055
28/ 1/85	64	30	NA	14.24+-16.4%	280.25+- 0.7%	19.7	984
28/ 1/85	64	60	NA	7.48+-32.0%	263.24+- 0.7%	35.2	1053
7/ 5/85	107	3	33.969	ND	287.98+- 1.3%		4971
7/ 5/85	107	30	34.322	21.65+-29.6%	255.61+- 1.8%	11.8	4966
7/ 5/85	107	60	34.419	ND	236.59+- 4.8%		4983
18/ 8/85	153	3	33.556	ND	211.50+- 1.5%		4998
18/ 8/85	153	60	34.248	11.54+-47.7%	167.42+- 2.5%	14.5	4999
18/ 8/85	153	120	34.381	ND	171.57+- 1.7%		5019
15/12/85	110	3	33.632	ND	35.25+- 4.0%		5631
15/12/85	110	55	34.077	14.20+-44.5%	184.42+- 2.5%	13.0	5619
15/12/85	110	105	34.103	ND	180.86+- 1.8%		5615
21/ 3/86		3	33.716	ND	162.95+- 1.9%		463
12/ 6/86	110	3	33.490	24.14+-11.1%	174.22+- 1.4%	7.2	2251
12/ 6/86	110	50	34.059	33.34+-16.1%	203.64+- 2.3%	6.1	2268
12/ 6/86	110	100	34.132	32.98+-16.2%	195.12+- 2.4%	5.9	2253
27/ 8/86	66	3	34.052	25.11+-13.9%	159.23+- 1.5%	6.3	4970
27/ 8/86	66	30	34.255	22.00+-15.8%	143.47+- 1.6%	6.5	4976
27/ 8/86	66	60	34.556	16.85+-20.6%	97.99+- 2.3%	5.8	4977
11/11/86	204	3	NA	19.31+-17.5%	137.44+- 1.9%	7.1	6562
11/11/86	204	190	NA	12.69+-25.8%	101.51+- 2.4%	8.0	6563

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
18/12/86	185	3	NA	12.47+-13.1%	91.99+- 1.4%	7.4	6566
18/12/86	185	175	NA	8.47+-18.8%	69.92+- 1.8%	8.3	6567
8/ 1/87	73	3	33.335	10.48+-14.2%	65.58+- 1.7%	6.3	281
13/ 1/87		170	34.290	8.09+-35.2%	62.56+- 3.3%	7.7	289
24/ 2/87	180	3	33.784	6.34+-25.0%	72.75+- 1.6%	11.5	1405
24/ 2/87	180	25	34.426	5.58+-29.3%	62.32+- 1.9%	11.2	1408
27/ 3/87	76	3	33.304	10.10+-15.2%	89.93+- 1.3%	8.9	1414
27/ 3/87	76	65	33.795	10.11+-15.5%	89.64+- 1.3%	8.9	1417
1/ 5/87	100	3	33.616	10.84+-13.3%	118.37+- 1.0%	10.9	4446
1/ 5/87	100	45	33.949	16.67+-17.4%	150.83+- 1.6%	9.0	4456
1/ 5/87	100	90	33.972	18.00+-15.3%	159.70+- 1.4%	8.9	4457
5/ 6/87	160	3	33.768	9.79+-15.7%	100.55+- 1.2%	10.3	4480
5/ 6/87	160	145	34.278	7.83+-28.4%	110.97+- 1.5%	14.2	4481
29/ 6/87	64	3	34.462	4.81+-32.5%	76.94+- 1.4%	16.0	4474
29/ 6/87	64	30	34.382	ND	86.07+- 1.7%		4475
29/ 6/87	64	60	34.373	ND	84.00+- 1.7%		4476
21/ 7/87	190	3	33.713	4.41+-34.1%	94.34+- 1.1%	21.4	6751
21/ 7/87	190	180	34.579	ND	72.78+- 1.1%		6752
1/ 9/87	180	3	34.238	5.44+-41.6%	70.87+- 2.3%	13.0	6915
1/ 9/87	180	90	34.422	ND	82.31+- 2.7%		6917
1/ 9/87	180	170	34.465	ND	78.29+- 2.9%		6918
24/11/87	140	3	33.986	13.11+-10.9%	57.66+- 1.9%	4.4	9060
24/11/87	130	65	34.491	ND	45.52+- 2.9%		9061
24/11/87	80	70	34.479	ND	46.46+- 3.0%		9062
7/ 3/88	107	3	33.999	ND	134.62+- 1.0%		2170
7/ 3/88	107	50	34.332	ND	52.45+- 2.1%		2171
7/ 3/88	107	100	34.447	ND	64.81+- 1.8%		2172
8/ 6/88	145	3	NA	ND	63.41+- 1.2%		3994
8/ 6/88	145	75	NA	5.06+-48.9%	65.72+- 3.0%	13.0	3995
8/ 6/88	145	145	NA	ND	71.20+- 2.0%		3996
3/ 8/88	202	3	33.709	6.81+-13.6%	65.46+- 1.0%	9.6	5955
3/ 8/88	202	90	34.004	7.97+-23.1%	74.15+- 1.7%	9.3	5956
3/ 8/88	202	175	34.029	6.86+-27.7%	76.90+- 1.7%	11.2	5957
4/11/88		3	33.383	ND	50.36+- 1.6%		8285
21/ 1/89	167	3	31.279	ND	29.12+- 2.1%		3072
23/ 1/89	167	100	34.623	ND	18.03+- 4.1%		3073
23/ 1/89	167	160	34.607	ND	26.85+- 2.9%		3074
5/ 5/89	190	3	33.872	ND	29.02+- 1.6%		4898
5/ 5/89	190	75	34.266	ND	37.59+- 2.2%		4899
5/ 5/89	190	180	34.359	ND	33.93+- 2.5%		4900
4/ 8/89	198	3	34.461	ND	36.49+- 1.2%		4925
4/ 8/89	198	105	34.646	ND	19.01+- 2.0%		4926
4/ 8/89	198	186	34.640	ND	42.61+- 2.1%		4927
25/11/89	134	3	33.593	ND	34.43+- 2.0%		7623
25/11/89	134	50	34.387	ND	32.66+- 3.9%		7624
25/11/89	134	110	34.442	ND	32.29+- 4.0%		7625

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
Site 47 NEA Challenger Line							
Station 2 Challenger St 2							
				56:41: 0N	6:18: 0W		
28/ 1/85	35	3	NA	11.81+-20.0%	257.24+- 0.7%	21.8	980
28/ 1/85	35	30	NA	16.94+-19.7%	255.75+- 0.9%	15.1	1051
7/ 5/85	30	3	34.373	ND	253.07+- 1.4%		4970
7/ 5/85	30	28	34.366	13.79+-44.8%	240.51+- 1.8%	17.4	4969
19/ 8/85	31	3	34.114	10.76+-52.5%	193.54+- 2.2%	18.0	5016
19/ 8/85	31	25	34.361	ND	167.54+- 1.8%		5020
15/12/85	45	3	34.198	ND	188.95+- 1.2%		5628
15/12/85	45	40	34.218	10.22+-44.3%	186.57+- 1.8%	18.3	5627
21/ 3/86		3	34.398	10.06+-54.5%	152.42+- 2.8%	15.2	464
12/ 6/86	36	3	34.065	24.62+-11.2%	184.86+- 1.4%	7.5	2258
12/ 6/86	36	35	34.127	20.98+-26.8%	202.47+- 2.4%	9.7	2266
27/ 8/86	34	3	NA	17.32+-20.6%	154.24+- 1.6%	8.9	4971
27/ 8/86	34	25	NA	18.80+-40.5%	142.98+- 3.7%	7.6	4978
11/11/86	41	35	NA	ND	46.43+- 3.3%		6565
18/12/86	42	3	NA	8.93+-17.8%	69.39+- 1.8%	7.8	6568
18/12/86	42	40	NA	8.70+-18.6%	68.35+- 1.8%	7.9	6569
8/ 1/87	38	3	34.198	8.39+-17.8%	57.35+- 1.9%	6.8	279
24/ 2/87	28	3	34.324	7.90+-20.1%	72.36+- 1.6%	9.2	1410
24/ 2/87	28	25	34.329	7.06+-22.5%	68.07+- 1.7%	9.6	1412
27/ 3/87	36	3	34.048	12.14+-12.3%	93.99+- 1.2%	7.7	1420
27/ 3/87	36	25	34.088	13.67+-14.0%	104.62+- 1.4%	7.7	1423
1/ 5/87	40	3	33.862	10.50+-13.6%	131.05+- 0.9%	12.5	4447
1/ 5/87	40	15	33.970	16.51+-17.3%	152.22+- 1.5%	9.2	4458
1/ 5/87	40	30	33.971	17.30+-16.2%	151.17+- 1.5%	8.7	4459
5/ 6/87	27	3	34.156	9.19+-23.6%	114.82+- 1.4%	12.5	4482
5/ 6/87	27	25	34.215	11.47+-20.5%	113.03+- 1.6%	9.9	4483
29/ 6/87	36	3	34.443	ND	85.80+- 1.0%		4477
29/ 6/87	36	15	34.343	ND	98.22+- 1.6%		4478
29/ 6/87	36	30	34.363	ND	90.69+- 1.7%		4479
21/ 7/87	32	3	34.056	5.96+-26.3%	82.88+- 1.3%	13.9	6753
21/ 7/87	32	30	34.402	ND	72.92+- 1.1%		6754
1/ 9/87	42	3	34.236	4.24+-55.4%	75.19+- 2.2%	17.7	6916
1/ 9/87	42	40	34.402	ND	90.67+- 2.5%		6919
24/11/87	33	3	34.351	ND	43.65+- 1.6%		9063
24/11/87	33	26	34.918	ND	20.01+- 6.5%		9064
7/ 3/88	38	3	34.341	ND	60.15+- 1.2%		2173
7/ 3/88	38	20	34.569	ND	63.93+- 1.8%		2174
7/ 3/88	38	35	34.477	ND	67.61+- 2.9%		2175
8/ 6/88	37	3	NA	2.55+-50.3%	62.34+- 1.7%	24.4	3997
8/ 6/88	37	35	NA	ND	77.23+- 1.9%		3998
3/ 8/88	34	3	34.077	5.82+-15.6%	66.07+- 1.0%	11.3	5958
3/ 8/88	34	28	34.041	5.98+-30.4%	78.09+- 1.6%	13.1	5960
13/10/88	34	15	34.055	7.05+-26.1%	72.59+- 1.7%	10.3	5959

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
4/11/88		3	34.240	ND	45.44+- 1.6%		8286
23/ 1/89	37	3	34.512	ND	23.87+- 1.7%		3075
23/ 1/89	37	35	34.553	3.05+-52.0%	32.12+- 3.2%	10.5	3076
5/ 5/89	24	3	34.089	1.59+-54.7%	29.44+- 2.1%	18.5	4901
5/ 5/89	24	20	34.427	ND	36.71+- 2.3%		4902
4/ 8/89	35	3	34.578	ND	38.82+- 1.2%		4928
4/ 8/89	35	15	34.655	ND	42.82+- 2.0%		4929
4/ 8/89	35	33	34.472	ND	41.83+- 2.1%		4930
25/11/89	37	3	34.452	ND	30.16+- 2.3%		7626
25/11/89	37	15	34.459	ND	31.21+- 4.2%		7627
25/11/89	37	30	34.455	ND	33.89+- 3.8%		7628

*Site 47 NEA Challenger Line*

Station 3 Challenger St 3

56:44: 0N 6:27: 0W

28/ 1/85	115	3	NA	9.56+-24.6%	230.25+- 0.8%	24.1	1231
28/ 1/85	115	50	NA	13.93+-31.1%	196.48+- 1.6%	14.1	1237
28/ 1/85	115	105	NA	7.02+-33.4%	129.23+- 1.4%	18.4	979
7/ 5/85	101	3	34.681	ND	167.42+- 1.9%		4972
7/ 5/85	101	45	34.962	ND	106.32+- 2.6%		4978
7/ 5/85	101	90	35.018	ND	92.21+- 3.1%		4973
19/ 8/85	133	3	34.660	ND	100.04+- 2.7%		5011
19/ 8/85	133	65	34.805	14.28+-39.0%	95.84+- 4.2%	6.7	4994
19/ 8/85	133	130	34.932	ND	73.47+- 4.0%		5018
15/12/85	132	3	34.437	10.69+-56.0%	147.58+- 3.0%	13.8	5623
15/12/85	132	75	34.547	ND	114.96+- 1.8%		5613
15/12/85	132	125	34.525	ND	122.62+- 2.5%		5616
21/ 3/86		3	34.978	ND	49.49+- 5.3%		465
14/ 6/86	85	3	34.596	18.50+-14.4%	98.68+- 2.4%	5.3	2261
14/ 6/86	85	40	34.767	18.55+-29.1%	94.78+- 4.7%	5.1	2255
14/ 6/86	85	80	34.946	15.68+-33.1%	69.65+- 6.1%	4.4	2250
28/ 8/86	90	3	34.152	20.46+-17.1%	164.51+- 1.5%	8.0	4972
28/ 8/86	90	40	34.719	15.04+-25.1%	88.86+- 2.7%	5.9	4979
28/ 8/86	90	80	35.104	7.29+-47.3%	34.06+- 6.6%	4.7	4980
8/ 1/87	134	3	34.916	2.92+-53.9%	13.18+- 8.3%	4.5	283
-9/ 1/87	135	130	34.829	ND	26.52+- 5.3%		290
1/ 5/87	87	3	34.244	11.76+-12.3%	120.01+- 1.0%	10.2	4448
1/ 5/87	87	35	NA	13.51+-20.2%	111.40+- 2.0%	8.2	4460
1/ 5/87	87	75	34.404	15.26+-19.7%	112.05+- 2.1%	7.3	4461
31/ 8/87	82	3	34.575	4.76+-33.9%	59.83+- 1.9%	12.6	6729
31/ 8/87	82	45	34.824	6.47+-48.8%	47.60+- 4.5%	7.4	6730
31/ 8/87	82	80	NA	ND	46.41+- 3.3%		6731
24/11/87	143	3	34.440	ND	41.35+- 1.7%		9065
24/11/87	143	70	35.017	ND	17.58+- 7.1%		9066
24/11/87	143	135	35.061	ND	11.35+-12.8%		9067
7/ 3/88	141	3	34.412	ND	59.60+- 1.2%		2176

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
routine offshore sampling, 1985-89**

Collection date	Station	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7/ 3/88	141	70	34.695	ND	49.37+- 2.6%		2177
7/ 3/88	141	140	35.133	ND	55.90+- 2.3%		2178
8/ 6/88	82	3	NA	ND	44.96+- 1.5%		3999
8/ 6/88	82	40	NA	ND	64.83+- 2.7%		5976
8/ 6/88	82	80	NA	ND	30.43+- 4.3%		4000
2/ 8/88	75	3	34.217	4.28+-21.7%	56.79+- 1.2%	13.3	5961
2/ 8/88	75	35	34.467	3.36+-54.9%	50.51+- 2.4%	15.1	5962
2/ 8/88	75	70	34.473	4.75+-40.1%	48.73+- 2.5%	10.3	5963
4/11/88		3	34.606	ND	25.60+- 2.6%		8287
23/ 1/89	80	3	35.201	ND	4.43+- 8.4%		3077
23/ 1/89	80	35	35.128	ND	6.08+-11.7%		3078
23/ 1/89	80	70	35.139	ND	5.50+-13.0%		3079
5/ 5/89	118	3	34.898	ND	18.39+- 2.6%		4903
5/ 5/89	118	50	34.826	ND	18.05+- 4.4%		4904
5/ 5/89	118	100	34.895	ND	15.63+- 5.1%		4905
4/ 8/89	99	3	34.691	ND	36.18+- 1.3%		4931
4/ 8/89	99	40	34.747	ND	38.10+- 2.3%		4932
4/ 8/89	99	80	35.101	ND	26.11+- 3.2%		4933
25/11/89	130	3	34.818	ND	21.42+- 3.1%		7629
25/11/89	130	60	34.837	ND	22.40+- 5.8%		7630
25/11/89	130	125	34.899	ND	20.38+- 6.2%		7631

**Site 47 NEA Challenger Line**

Station 4 Challenger St 4

56:44: 0N 6:45: 0W

28/ 1/85	47	3	NA	9.93+-25.2%	186.32+- 1.0%	18.8	1240
28/ 1/85	47	20	NA	6.26+-39.4%	196.13+- 1.0%	31.4	1242
28/ 1/85	47	40	NA	10.51+-42.8%	164.16+- 2.0%	15.6	1238
8/ 5/85	48	3	34.715	ND	168.45+- 1.7%		4979
8/ 5/85	48	20	34.868	ND	141.95+- 2.1%		4959
8/ 5/85	48	40	34.948	ND	107.04+- 2.9%		4957
19/ 8/85	44	22	34.767	5.63+-49.6%	66.11+- 3.1%	11.8	5002
19/ 8/85	44	44	34.823	13.64+-56.0%	72.29+- 7.4%	5.3	4992
15/12/85	46	3	34.662	ND	106.81+- 1.9%		5621
15/12/85	46	20	34.617	ND	101.41+- 2.1%		5634
15/12/85	46	40	34.618	12.25+-59.7%	91.86+- 5.6%	7.5	5624
21/ 3/86		3	35.387	ND	4.97+-35.9%		466
14/ 6/86	45	3	34.425	20.34+-14.0%	137.04+- 1.9%	6.7	2259
14/ 6/86	44	35	34.705	27.07+-22.1%	98.08+- 5.0%	3.6	2267
28/ 8/86	47	3	34.332	20.52+-17.9%	135.33+- 1.9%	6.6	4973
28/ 8/86	47	20	34.337	14.66+-17.4%	98.39+- 1.7%	6.7	4981
28/ 8/86	47	40	34.768	16.79+-21.3%	81.39+- 2.8%	4.8	4982
8/ 1/87	41	3	34.759	2.78+-54.0%	29.03+- 3.7%	10.5	287
9/ 1/87	41	40	34.913	ND	25.36+- 6.4%		291
1/ 5/87	35	3	34.304	10.98+-12.9%	111.16+- 1.1%	10.1	4449
1/ 5/87	35	15	34.285	11.92+-24.4%	125.57+- 1.9%	10.5	4473
1/ 5/87	35	30	34.417	7.49+-39.0%	108.91+- 2.1%	14.5	4462

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
31/ 8/87	50	3	34.583	3.07+-55.2%	55.44+- 2.1%	18.1	6732
31/ 8/87	50	46	34.831	ND	49.04+- 2.8%		6733
24/11/87	45	3	34.696	ND	32.70+- 2.1%		9068
24/11/87	45	20	34.711	ND	34.99+- 3.6%		9069
24/11/87	45	40	34.918	ND	22.94+- 5.7%		9070
7/ 3/88	38	3	34.353	ND	68.75+- 1.1%		2179
7/ 3/88	38	15	34.348	ND	77.57+- 1.7%		2180
7/ 3/88	38	30	34.368	ND	74.75+- 1.8%		2181
8/ 6/88	35	3	NA	ND	57.64+- 2.4%		4001
8/ 6/88	35	15	NA	ND	54.44+- 2.5%		4002
8/ 6/88	35	30	NA	ND	44.00+- 2.8%		5978
2/ 8/88	32	3	34.382	ND	45.44+- 1.6%		5964
2/ 8/88	32	15	34.340	ND	50.24+- 2.6%		5965
2/ 8/88	32	30	34.606	ND	33.05+- 4.2%		5966
4/11/88		3	34.635	ND	23.76+- 2.8%		8288
23/ 1/89	35	3	35.173	ND	3.67+-10.0%		3080
23/ 1/89	35	30	35.170	ND	4.74+-19.7%		3081
5/ 5/89	41	3	34.747	ND	19.20+- 2.2%		4906
5/ 5/89	41	20	34.598	ND	18.93+- 4.4%		4907
5/ 5/89	41	40	34.824	ND	17.39+- 4.5%		4908
4/ 8/89	42	3	34.755	ND	35.43+- 2.0%		4934
4/ 8/89	42	25	34.906	ND	33.90+- 3.8%		4935
4/ 8/89	42	40	35.025	ND	26.87+- 4.7%		4936
25/11/89	32	3	34.935	ND	15.15+- 4.3%		7632
25/11/89	32	25	34.929	ND	18.46+- 9.5%		7633
<b>Site 47 NEA Challenger Line</b>							
<b>Station 5 Challenger St 5</b>							
				56:44: 0N 7: 0: 0W			
28/ 1/85	140	3	NA	11.35+-20.7%	147.46+- 1.2%	13.0	1052
28/ 1/85	140	50	NA	5.28+-43.9%	137.59+- 1.3%	26.1	1243
28/ 1/85	140	130	NA	ND	84.86+- 3.8%		1232
8/ 5/85	141	3	34.814	ND	140.59+- 2.0%		4961
8/ 5/85	141	60	35.313	ND	18.80+-14.5%		4960
8/ 5/85	141	120	35.188	ND	6.53+-20.6%		4962
19/ 8/85	139	3	34.633	9.62+-57.9%	90.89+- 4.4%	9.4	4987
19/ 8/85	139	70	34.943	ND	46.65+- 5.5%		4986
19/ 8/85	139	138	35.301	ND	19.29+-12.9%		4988
16/12/85	145	3	34.896	ND	32.53+- 5.6%		5633
16/12/85	145	70	35.008	ND	8.38+-22.0%		5618
16/12/85	145	130	35.066	ND	5.18+-34.7%		5620
21/ 3/86		3	35.371	ND	7.56+-34.4%		467
14/ 6/86	139	3	35.039	9.87+-14.4%	40.06+- 2.7%	4.1	2257
14/ 6/86	139	65	35.220	ND	31.29+- 8.9%		2264
14/ 6/86	139	130	35.195	8.94+-59.7%	18.41+-22.9%	2.1	2269
28/ 8/86	145	3	NA	8.59+-42.6%	115.11+- 2.2%	13.4	4974
28/ 8/86	145	70	NA	ND	40.11+- 4.0%		4983

**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
28/ 8/86	145	140	35.267	ND	16.20+- 9.5%		4984
9/ 1/87	147	3	35.062	ND	15.63+-17.5%		285
9/ 1/87	147	140	35.171	ND	23.32+-21.3%		302
30/ 4/87	145	3	34.313	9.41+-15.1%	106.34+- 1.1%	11.3	4450
30/ 4/87	145	60	34.791	6.72+-47.2%	52.33+- 4.7%	7.8	4463
30/ 4/87	145	130	34.766	ND	11.15+-12.1%		4464
31/ 8/87	139	3	34.675	ND	48.21+- 1.7%		6734
31/ 8/87	139	73	35.135	ND	8.14+-16.6%		6735
31/ 8/87	139	136	35.382	8.64+-36.5%	131.97+- 1.7%	15.3	6736
24/11/87	138	3	34.789	ND	28.58+- 2.4%		9071
24/11/87	138	68	35.083	ND	9.36+-13.5%		9072
24/11/87	138	133	35.322	ND	3.06+-40.5%		9073
7/ 3/88	143	3	34.148	ND	82.06+- 0.9%		2182
7/ 3/88	143	70	35.111	ND	23.68+- 5.1%		2183
7/ 3/88	143	130	35.372	ND	11.87+-11.0%		2184
8/ 6/88	139	3	NA	ND	29.92+- 4.2%		4003
8/ 6/88	139	60	NA	ND	15.22+-11.0%		5977
2/ 8/88	136	3	34.560	4.86+-21.2%	32.81+- 2.0%	6.7	5967
2/ 8/88	136	60	34.694	ND	31.77+- 4.0%		5968
2/ 8/88	136	130	35.148	ND	11.20+-11.7%		5969
23/ 1/89	138	3	35.264	ND	3.25+-10.4%		3082
23/ 1/89	138	65	35.243	ND	ND		3083
23/ 1/89	138	130	35.249	ND	2.30+-51.9%		3084
5/ 5/89	140	3	35.109	ND	9.00+- 4.5%		4909
5/ 5/89	140	65	35.397	ND	3.71+-20.8%		4910
5/ 5/89	140	130	35.421	ND	3.03+-24.6%		4911
4/ 8/89	139	3	34.858	ND	30.84+- 2.3%		4937
4/ 8/89	139	68	35.418	ND	8.23+-15.0%		4938
4/ 8/89	139	134	35.582	ND	5.37+-24.4%		4939
25/11/89	142	3	34.908	ND	16.09+- 4.1%		7634
25/11/89	142	60	35.055	ND	15.41+- 8.3%		7635
25/11/89	142	120	35.265	ND	2.56+-47.5%		7636

**Site 47 NEA Challenger Line  
Station 6 Challenger St 6**

56:44: 0N 7:20: 0W

29/ 1/85	159	3	NA	ND	77.26+- 2.4%		1241
29/ 1/85	159	75	NA	ND	27.11+- 6.5%		983
29/ 1/85	159	150	NA	ND	17.36+-10.1%		1050
8/ 5/85	161	3	35.094	ND	74.97+- 3.7%		4968
8/ 5/85	161	75	35.355	ND	14.29+-17.6%		4967
8/ 5/85	161	148	35.379	ND	12.41+-20.9%		4982
19/ 8/85	160	3	34.762	11.27+-26.0%	82.67+- 2.5%	7.3	5010
19/ 8/85	160	75	35.141	ND	33.79+- 5.1%		4997
19/ 8/85	160	150	35.351	ND	6.92+-26.0%		5017
17/12/85	165	3	35.198	ND	51.22+- 3.8%		5617
17/12/85	165	80	34.887	ND	6.20+-28.7%		5625

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
17/12/85	165	155	35.137	ND	5.38+-34.7%		5614
21/ 3/86		3	35.306	ND	8.50+-30.4%		468
14/ 6/86	153	3	35.054	10.10+-14.1%	41.29+- 2.6%	4.1	2263
14/ 6/86	153	70	35.302	10.08+-52.5%	22.31+-18.9%	2.2	2249
14/ 6/86	153	140	35.267	19.41+-27.5%	19.05+-22.3%	1.0	2262
28/ 8/86	158	3	34.532	12.25+-26.3%	102.81+- 2.1%	8.4	4975
28/ 8/86	158	80	NA	ND	36.40+- 4.5%		4985
28/ 8/86	158	153	35.302	ND	22.49+- 6.8%		4986
9/ 1/87	170	3	35.058	4.32+-35.1%	12.68+- 8.3%	2.9	277
9/ 1/87	170	150	35.156	9.48+-36.6%	13.17+-17.2%	1.4	301
30/ 4/87	160	3	35.332	ND	6.95+- 9.7%		4451
30/ 4/87	160	75	35.350	ND	8.95+-15.5%		4465
30/ 4/87	160	150	35.300	ND	4.81+-27.3%		4466
31/ 8/87	160	3	34.409	ND	14.89+- 5.0%		6737
31/ 8/87	160	66	35.090	ND	25.81+- 5.2%		6738
31/ 8/87	160	150	35.341	ND	7.96+-18.0%		6739
24/11/87	155	3	35.040	ND	12.74+- 5.0%		9074
24/11/87	155	85	35.130	ND	ND		9075
24/11/87	155	140	35.263	ND	ND		9076
6/ 3/88	157	3	34.636	ND	51.26+- 1.4%		2185
6/ 3/88	157	70	35.041	ND	36.93+- 3.5%		2186
6/ 3/88	157	140	34.945	ND	13.01+- 9.1%		2187
8/ 6/88	158	3	NA	2.58+-55.2%	31.69+- 3.1%	12.3	4004
8/ 6/88	158	75	NA	ND	15.43+- 8.0%		4005
8/ 6/88	158	145	NA	ND	7.63+-16.8%		4006
2/ 8/88	158	3	34.695	ND	25.85+- 2.6%		5970
2/ 8/88	158	75	34.872	ND	20.94+- 6.4%		5971
2/ 8/88	158	155	35.217	ND	7.70+-15.3%		5972
24/ 1/89	150	3	35.112	ND	3.53+-16.5%		3085
24/ 1/89	150	70	35.206	ND	2.67+-40.2%		3086
24/ 1/89	150	140	35.244	ND	3.25+-32.9%		3087
5/ 5/89	162	3	35.374	ND	8.73+- 4.9%		4912
5/ 5/89	162	75	35.578	ND	2.80+-26.2%		4913
5/ 5/89	162	150	35.247	ND	2.81+-28.6%		4914
4/ 8/89	158	3	35.183	ND	16.13+- 3.9%		4940
4/ 8/89	158	75	35.300	ND	5.41+-22.7%		4941
4/ 8/89	158	150	35.341	ND	5.14+-23.9%		4942
25/11/89	160	3	35.271	ND	2.75+-22.7%		7637
25/11/89	160	75	35.296	ND	ND		7638
25/11/89	160	150	35.315	ND	2.04+-59.4%		7639

Site 47 NEA Challenger Line  
Station 15 Challenger St 6/7

56:44: 0N 7:30: 0W

14/ 6/86	215	3	34.445	25.61+-10.4%	128.12+- 1.9%	5.0	2256
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**Annex 2 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
<i>Site 47 NEA Challenger Line</i>							
<i>Station 7 Challenger St 7</i>							
				<i>56:44: 0N</i>	<i>7:39: 0W</i>		
27/ 1/85	67	3	NA	ND	108.98+- 1.9%		985
27/ 1/85	67	50	NA	ND	118.17+- 2.1%		1236
8/ 5/85	63	3	34.693	16.34+-40.0%	162.26+- 2.7%	9.9	4956
8/ 5/85	63	25	34.761	ND	154.54+- 2.0%		4974
8/ 5/85	63	55	34.737	ND	160.55+- 1.4%		4975
19/ 8/85	0	3	35.029	12.16+-51.5%	34.74+-12.3%	2.9	5008
19/ 8/85	0	20	34.951	11.08+-53.2%	78.68+- 5.2%	7.1	5007
19/ 8/85	0	40	34.968	ND	63.06+- 4.3%		4996
16/12/85	60	3	34.846	ND	39.50+- 4.9%		5626
16/12/85	60	50	34.951	ND	35.95+- 5.4%		5635
20/ 3/86		3	34.099	ND	46.25+- 6.1%		469
14/ 6/86	45	3	34.483	23.15+-11.1%	119.48+- 1.9%	5.2	2289
14/ 6/86	45	20	34.556	23.94+-22.1%	134.34+- 3.3%	5.6	2290
14/ 6/86	45	35	34.759	20.10+-26.1%	102.42+- 4.3%	5.1	2291
9/ 1/87	70	3	35.033	ND	16.98+- 4.1%		276
9/ 1/87	70	65	35.022	ND	19.22+- 7.7%		292
30/ 4/87	52	3	34.779	5.34+-26.8%	49.52+- 2.3%	9.3	4452
30/ 4/87	52	20	34.773	ND	57.65+- 2.5%		4467
30/ 4/87	52	45	35.245	5.16+-54.4%	55.38+- 3.9%	10.7	4468
31/ 8/87	64	3	34.613	5.65+-28.8%	52.03+- 2.2%	9.2	6740
31/ 8/87	64	30	34.748	ND	48.50+- 3.2%		6741
31/ 8/87	64	59	34.911	ND	38.19+- 3.9%		6742
28/11/87	63	3	34.890	ND	20.78+- 6.5%		9077
28/11/87	63	60	34.887	ND	21.27+- 5.9%		9078
6/ 3/88	61	3	34.333	ND	54.72+- 1.3%		2188
6/ 3/88	61	20	34.539	ND	61.52+- 2.1%		2189
6/ 3/88	61	40	34.820	ND	64.71+- 2.2%		2190
8/ 6/88	55	3	NA	ND	32.93+- 3.8%		4007
8/ 6/88	55	20	NA	ND	30.91+- 3.9%		4008
8/ 6/88	55	45	NA	ND	30.32+- 4.3%		4009
2/ 8/88	43	3	34.577	ND	33.74+- 2.2%		5973
2/ 8/88	43	20	34.606	5.63+-52.4%	39.69+- 5.2%	7.1	5974
2/ 8/88	43	40	34.683	ND	34.26+- 3.9%		5975
24/ 1/89	53	3	35.039	ND	7.84+- 8.0%		3088
24/ 1/89	53	25	35.036	ND	7.87+-14.3%		3089
24/ 1/89	53	50	35.040	ND	10.62+-11.4%		3090
5/ 5/89	60	3	35.171	ND	10.62+- 3.9%		4915
5/ 5/89	60	25	35.202	ND	10.28+- 7.5%		4916
5/ 5/89	60	50	35.205	ND	12.10+-10.2%		4917
5/ 8/89	50	3	34.829	1.50+-55.8%	30.09+- 2.1%	20.1	4943
5/ 8/89	50	20	34.888	ND	24.42+- 3.4%		4944
5/ 8/89	50	40	35.183	ND	14.51+- 5.4%		4945
25/11/89	62	3	35.025	ND	10.22+- 6.2%		7640

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
25/11/89	62	27	35.048	ND	10.64+-11.9%		7641
25/11/89	62	55	35.052	ND	9.12+-13.9%		7642
<b>Site 47 NEA Challenger Line</b>							
<b>Station 8 Challenger St 8</b>							
				56:47: 0N 8: 0: 0W			
27/ 1/85	107	3	NA	ND	80.97+- 2.4%		982
27/ 1/85	107	50	NA	ND	82.51+- 3.7%		1233
27/ 1/85	107	85	NA	ND	69.90+- 2.7%		1234
8/ 5/85	122	3	34.979	ND	97.70+- 1.5%		4964
8/ 5/85	122	55	35.101	ND	80.25+- 1.7%		4976
8/ 5/85	122	110	35.075	ND	70.26+- 1.9%		4977
19/ 8/85	125	3	34.880	ND	64.82+- 2.2%		5015
19/ 8/85	125	60	35.066	ND	44.78+- 2.8%		5001
19/ 8/85	125	115	35.181	ND	26.18+- 6.9%		4991
16/12/85	120	3	34.912	5.57+-58.2%	173.66+- 1.3%	31.2	5632
16/12/85	120	55	34.970	ND	29.77+- 7.1%		5636
16/12/85	120	110	35.128	ND	12.10+-25.2%		5630
20/ 3/86		3	35.120	ND	40.05+- 5.0%		470
9/ 1/87	124	3	35.086	4.40+-34.3%	19.32+- 5.5%	4.4	284
9/ 1/87	124	120	35.072	ND	18.93+- 8.5%		300
30/ 4/87	112	3	34.904	4.17+-35.0%	37.30+- 3.1%	8.9	4453
30/ 4/87	112	50	34.907	ND	41.17+- 3.6%		4469
30/ 4/87	112	100	35.010	6.80+-41.7%	25.91+- 8.2%	3.8	4470
31/ 8/87	117	3	34.649	ND	49.32+- 1.6%		6743
31/ 8/87	117	57	35.027	ND	27.99+- 5.2%		6744
31/ 8/87	117	112	35.225	ND	14.37+-10.0%		6745
28/11/87	115	3	35.019	ND	14.45+- 4.5%		9079
28/11/87	115	60	35.092	ND	11.48+-10.4%		9080
28/11/87	115	100	35.214	ND	7.94+-15.0%		9081
6/ 3/88	112	3	34.472	ND	60.65+- 1.1%		2191
6/ 3/88	112	50	34.653	ND	45.15+- 3.2%		2192
6/ 3/88	112	105	34.898	ND	32.37+- 4.4%		2193
20/ 6/88	117	3	NA	ND	46.21+- 2.8%		4010
20/ 6/88	117	8	NA	ND	17.54+- 7.7%		4011
20/ 6/88	117	105	NA	ND	11.52+-11.4%		4012
24/ 1/89	123	3	35.050	ND	7.66+- 8.0%		3091
24/ 1/89	123	50	35.037	ND	9.64+-12.7%		3092
24/ 1/89	123	100	35.002	ND	9.00+-13.6%		3093
5/ 5/89	119	3	35.342	ND	8.18+- 8.2%		4918
5/ 5/89	119	55	35.379	ND	7.63+-16.2%		4919
5/ 5/89	119	110	35.442	ND	5.99+-18.5%		4920
5/ 8/89	113	3	34.866	ND	20.52+- 2.1%		4946
5/ 8/89	113	55	34.919	ND	19.82+- 4.1%		4947
5/ 8/89	113	110	35.049	ND	16.03+- 5.1%		4948
25/11/89	123	3	34.997	ND	10.07+- 6.3%		7643



**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
17/12/85	138	130	35.351	ND	3.65+-27.3%		5611
20/ 3/86		3	35.117	ND	ND		472
10/ 1/87	138	3	35.373	ND	1.98+-32.2%		286
10/ 1/87	168	130	35.343	ND	2.50+-27.0%		299
30/ 4/87	135	3	35.385	ND	5.02+-14.8%		4455
30/ 4/87	135	120	35.420	ND	2.44+-25.7%		4472
31/ 8/87	136	3	35.151	ND	14.71+- 4.3%		6748
31/ 8/87	136	124	35.251	ND	4.09+-15.2%		6749
27/11/87	134	3	35.286	ND	3.03+-20.8%		9084
27/11/87	134	128	35.306	ND	2.55+-23.5%		9085
6/ 3/88	135	3	35.473	NA	NA		2196
6/ 3/88	135	125	35.354	NA	NA		2197
20/ 6/88	136	3	NA	ND	ND		4015
20/ 6/88	136	125	NA	ND	ND		4016
24/ 1/89	135	3	35.570	ND	1.44+-39.7%		3096
6/ 5/89	134	3	35.624	ND	2.34+-23.7%		4923
6/ 5/89	134	125	35.498	ND	3.84+-14.8%		4924
5/ 8/89	133	3	35.334	ND	3.62+-10.7%		4951
5/ 8/89	133	128	35.415	ND	2.81+-13.4%		4952
25/11/89	134	3	35.261	NA	NA		7648
25/11/89	134	125	35.358	ND	4.27+-13.0%		7649
<b>Site 48 DAFS Water Samples</b>							
<b>Station 1 Cape Wrath</b>							
				58:40: ON 5: 0: OW			
28/ 2/85		3	34.355	ND	183.61+- 1.7%		2845
4/ 5/85		3	34.285	ND	228.01+- 1.4%		2850
2/ 6/85		3	34.366	ND	209.78+- 1.5%		2842
5/ 6/85		3	34.477	ND	153.80+- 1.9%		2848
14/ 7/85		3	34.439	ND	167.08+- 1.3%		3438
4/ 8/85		3	34.480	ND	152.53+- 1.9%		4281
12/ 9/85		3	34.302	ND	141.12+- 2.0%		4287
19/10/85		3	34.171	ND	129.87+- 2.2%		5637
15/11/85		3	34.286	ND	121.97+- 2.4%		5640
17/12/85		3	34.292	ND	120.77+- 2.3%		5650
7/ 1/86		3	34.266	ND	116.51+- 1.8%		373
27/ 2/86		3	34.407	ND	97.60+- 2.0%		501
4/ 3/86		3	34.419	ND	98.07+- 2.9%		498
25/ 4/86		3	34.516	ND	86.07+- 2.3%		2139
17/ 5/86		3	34.400	14.03+-26.4%	113.83+- 2.7%	8.1	2171
15/ 6/86		3	34.270	23.52+-14.5%	150.93+- 2.0%	6.4	2138
2/ 7/86		3	34.308	25.97+-12.8%	150.00+- 2.0%	5.8	2135
14/ 8/86		3	NA	27.62+- 9.8%	146.09+- 1.5%	5.3	4586
6/ 9/86		3	NA	16.33+-15.6%	109.35+- 1.9%	6.7	4583
6/10/86		3	NA	21.98+-14.1%	101.67+- 2.1%	4.6	6583

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
3/11/86		3	NA	19.72+-14.8%	94.02+- 2.3%	4.8	6581
14/12/86		3	NA	22.45+-12.7%	94.13+- 2.3%	4.2	6582
8/ 1/87		3	34.325	10.02+-38.6%	63.42+- 4.5%	6.3	169
25/ 1/87		3	34.395	9.25+-41.5%	54.25+- 5.2%	5.9	171
6/ 3/87		3	34.451	7.74+-22.1%	37.13+- 3.4%	4.8	2339
15/ 4/87		3	34.468	ND	47.76+- 3.5%		5329
7/ 6/87		3	34.411	5.78+-26.8%	50.89+- 2.4%	8.8	5333
18/ 6/87		3	34.473	6.48+-24.6%	54.82+- 2.3%	8.5	5330
3/ 7/87		3	34.568	ND	49.82+- 1.7%		5331
9/ 9/87		3	34.596	ND	46.98+- 1.8%		7656
20/ 9/87		3	34.503	3.07+-54.2%	46.32+- 2.6%	15.1	7657
15/10/87		3	34.326	ND	53.71+- 1.6%		7663
9/11/87		3	34.451	ND	52.39+- 1.5%		9090
15/12/87		3	34.451	2.26+-57.1%	37.22+- 2.6%	16.5	9089
17/ 1/88		3	34.350	ND	38.54+- 1.8%		727
16/ 3/88		3	NA	ND	43.29+- 1.7%		3232
22/ 5/88		3	NA	ND	49.50+- 1.4%		6004
9/ 6/88		3	34.409	ND	47.00+- 1.5%		6005
5/ 7/88		3	34.364	ND	39.80+- 1.7%		6006
10/ 8/88		3	NA	ND	36.20+- 1.8%		6007
21/ 9/88		3	NA	ND	40.60+- 1.6%		6008
16/10/88		0	34.136	ND	34.89+- 1.8%		7819
17/12/88		0	34.415	ND	25.02+- 2.6%		9030
9/ 1/89		3	34.165	ND	30.34+- 2.2%		2544
6/ 3/89		3	34.291	ND	19.48+- 3.1%		2548
23/ 4/89		3	34.726	ND	15.24+- 4.4%		4963
15/ 5/89		3	34.591	ND	14.50+- 4.7%		4966
27/ 6/89		3	34.637	ND	17.40+- 3.7%		4970
4/ 7/89		3	34.740	ND	17.19+- 2.5%		4972
1/ 9/89		3	NA	ND	16.89+- 3.5%		7958
24/ 9/89		3	34.309	ND	21.04+- 2.8%		7729
17/10/89		3	34.467	2.77+-42.2%	22.48+- 4.1%	8.1	7734
3/11/89		3	34.361	3.96+-28.8%	21.24+- 4.3%	5.4	7737

**Site 48 DAFS Water Samples**

Station 2 Pentland Firth

58:40: 0N 2:59: 0W

16/ 2/85		3	34.812	ND	84.82+- 2.4%		2840
8/ 5/85		3	34.697	ND	124.66+- 2.3%		2858
5/ 6/85		3	34.773	ND	130.30+- 2.2%		2843
24/ 6/85		3	34.783	ND	118.59+- 2.4%		3436
13/ 7/85		3	34.701	ND	136.11+- 2.1%		3443
6/ 8/85		3	34.678	ND	135.73+- 2.1%		5415
7/ 9/85		3	34.753	ND	118.01+- 2.4%		4279
23/10/85		3	34.588	ND	107.92+- 2.5%		5639
20/11/85		3	34.725	ND	77.50+- 3.5%		5646
18/12/85		3	34.704	ND	88.69+- 3.1%		5651

**Annex 2 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ):  
routine offshore sampling, 1985-89**

Collection date	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
4/ 1/86		3	34.527	12.93+-32.5%	93.68+- 3.2%	7.2	370
26/ 2/86		3	34.651	ND	74.67+- 3.6%		499
1/ 3/86		3	34.691	13.46+-38.8%	66.18+- 6.2%	4.9	496
29/ 4/86		3	34.753	ND	55.00+- 3.2%		2134
17/ 5/86		3	34.781	22.78+-15.7%	94.21+- 3.1%	4.1	2136
16/ 6/86		3	34.592	12.59+-26.0%	103.84+- 2.7%	8.2	2133
2/ 7/86		3	34.724	15.76+-21.5%	95.37+- 3.0%	6.1	2144
7/ 8/86		3	NA	23.41+-11.1%	110.87+- 1.9%	4.7	4585
5/ 9/86		3	NA	18.95+-13.8%	84.64+- 2.5%	4.5	4581
21/10/86		3	NA	16.41+-17.8%	78.76+- 2.6%	4.8	6586
2/11/86		3	NA	10.94+-26.4%	87.83+- 2.4%	8.0	6573
17/12/86		3	NA	13.79+-20.1%	84.73+- 2.5%	6.1	6571
8/ 1/87		3	34.572	14.10+-25.0%	64.99+- 3.8%	4.6	170
20/ 2/87		3	34.727	5.60+-30.8%	37.81+- 3.3%	6.7	2335
4/ 3/87		3	34.708	7.32+-24.0%	33.46+- 3.8%	4.6	2334
9/ 3/87		3	34.721	7.63+-44.3%	38.71+- 6.3%	5.1	2343
16/ 4/87		3	34.824	ND	26.59+- 3.5%		5342
4/ 6/87		3	34.828	ND	27.60+- 2.9%		5345
18/ 6/87		3	34.873	ND	27.94+- 3.0%		5343
28/ 7/87		3	34.673	ND	32.18+- 2.6%		5344
19/ 9/87		3	34.862	ND	38.70+- 1.9%		7661
15/10/87		3	34.845	ND	35.94+- 2.2%		7659
5/11/87		3	34.727	ND	35.68+- 1.9%		9087
3/ 3/88		3	NA	ND	29.66+- 2.3%		3229
19/ 3/88		3	NA	ND	21.53+- 3.1%		3225
26/ 5/88		3	NA	ND	35.90+- 1.9%		6009
8/ 6/88		3	NA	ND	37.60+- 1.8%		6010
5/ 7/88		3	NA	ND	33.70+- 1.9%		6011
11/ 8/88		3	NA	ND	30.70+- 2.1%		6012
4/10/88		3	NA	3.27+-27.9%	28.21+- 2.2%	8.6	6013
16/10/88		0	34.486	ND	27.05+- 2.3%		7820
8/ 1/89		3	34.605	ND	21.33+- 3.5%		2547
2/ 3/89		3	34.535	ND	17.33+- 3.4%		2549
23/ 4/89		3	34.804	ND	15.14+- 4.5%		4962
15/ 5/89		3	34.897	ND	12.13+- 5.4%		4967
21/ 6/89		3	34.895	ND	11.98+- 5.3%		4968
6/ 7/89		3	34.905	ND	10.26+- 3.9%		4974
2/ 9/89		3	NA	ND	10.12+- 5.7%		7959
20/ 9/89		3	34.951	ND	13.10+- 4.6%		7727
15/10/89		3	34.863	ND	15.30+- 3.9%		7736
2/11/89		3	34.847	1.95+-58.2%	14.89+- 6.1%	7.6	7738
18/12/89		3	NA	2.84+-46.9%	15.07+- 6.8%	5.3	8381

**ANNEX 3. CONCENTRATIONS OF  $^{134}\text{Cs}$  AND  $^{137}\text{Cs}$  IN FILTERED SEA WATER ( $\text{Bq m}^{-3}$ ):  
NON-ROUTINE OFFSHORE SAMPLING, 1985-89**

**Annex 3. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Collection Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
<b>Site 38 Cirolana</b>									
4001	15/ 4/85	52:15:24N	1:47:48E	3	NA	ND	65.44+- 2.3%		5582
4001	15/ 4/85	52:15:24N	1:47:48E	3	NA	ND	66.25+- 1.6%		5581
4002	15/ 4/85	50:55: 0N	1:10: 0E	3	NA	ND	9.43+-14.0%		5583
4003	16/ 4/85	50:15: 6N	5:52: 0W	3	NA	ND	4.18+-15.6%		5584
4004	17/ 4/85	52: 0: 0N	5:41:36W	3	34.715	ND	8.94+-28.0%		2982
4005	17/ 4/85	52:20: 0N	5:30:12W	3	34.876	ND	8.41+-30.5%		2983
4006	17/ 4/85	52:40: 0N	5:18:54W	3	34.876	ND	16.76+-15.4%		2984
4007	17/ 4/85	53: 0: 0N	5: 6:30W	3	NA	7.80+-41.2%	38.43+- 5.5%	4.9	5585
4007	17/ 4/85	53: 0: 0N	5: 6:30W	3	34.798	ND	33.90+- 8.0%		2985
4008	17/ 4/85	53:20: 0N	4:54:54W	3	34.679	ND	38.87+- 7.2%		2986
4009	17/ 8/85	53:39:48N	4:41:18W	3	34.710	ND	106.83+- 2.6%		2991
4154	29/ 4/85	54:24: 6N	3:33:30W	3	NA	143.84+-13.7%	2559.10+- 0.6%	17.8	5586
4157	29/ 4/85	54:26:30N	3:34:54W	18	32.829	NA	NA		1469
4157	29/ 4/85	54:26:30N	3:34:54W	18	34.198	NA	NA		1470
4159	29/ 4/85	54:33:18N	3:44:48W	27	32.800	NA	NA		1471
4159	29/ 4/85	54:33:18N	3:44:48W	27	33.188	NA	NA		1472
4161	29/ 4/85	54:33: 0N	3:37:36W	19	32.261	NA	NA		1473
4161	29/ 4/85	54:33: 0N	3:37:36W	19	33.015	NA	NA		1474
4163	29/ 4/85	54:33: 0N	3:55:12W	39	33.521	NA	NA		1475
4163	29/ 4/85	54:33: 0N	3:55:12W	39	33.566	NA	NA		1476
4165	29/ 4/85	54:32:54N	4:20:30W	73	33.927	NA	NA		1487
4165	29/ 4/85	54:32:54N	4:20:30W	73	33.965	NA	NA		1488
4167	30/ 4/85	54:33:12N	5:10: 6W	137	34.205	NA	NA		1489
4167	30/ 4/85	54:33:12N	5:10: 6W	137	34.433	NA	NA		1490
4170	30/ 4/85	54:18: 0N	5: 6: 0W	131	34.432	NA	NA		1491
4170	30/ 4/85	54:18: 0N	5: 6: 0W	131	34.695	NA	NA		1492
4171	30/ 4/85	54:10: 0N	5: 5: 0W	119	34.370	ND	277.47+- 1.3%		2987
4172	30/ 4/85	54: 0: 0N	5: 5: 0W	71	34.467	ND	95.00+- 2.9%		2988
4173	30/ 4/85	53:40: 0N	5: 6:24W	65	34.654	ND	240.28+- 1.3%		2989

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
4174	30/ 4/85	53:20:24N	5	9:18W	NA	ND	59.49+-	2.5%	5587
4176	30/ 4/85	53:15:12N	5	9:36W	34.632	NA	NA		1493
4176	30/ 4/85	53:15:12N	5	9:36W	34.704	NA	NA		1494
4177	30/ 4/85	52:40: 0N	5	28:42W	34.688	ND	57.69+-	4.2%	2990
4178	1/ 5/85	50:10: 6N	6	0: 0W	NA	ND	4.80+-	19.2%	5588
4179	2/ 5/85	50: 8:48N	1	0: 0W	NA	ND	5.09+-	25.6%	5589
4180	2/ 5/85	52:14:54N	1	46:24E	NA	ND	95.17+-	1.7%	5590
<b>Site 38 Cirolana</b>									
6001	24/ 6/85	52:30: 0N	1	59:48E	26	ND	83.90+-	0.9%	2045
6002	24/ 6/85	53: 0: 0N	2	0: 0E	28	ND	85.65+-	0.9%	2046
6003	24/ 6/85	53:30: 0N	1	59:42E	23	ND	79.94+-	0.9%	2047
6004	24/ 6/85	53:59:42N	2	1:18E	62	ND	91.23+-	0.8%	2048
6004	24/ 6/85	53:59:42N	2	1:18E	62	NA	NA		2049
6004	24/ 6/85	53:59:42N	2	1:18E	62	ND	87.36+-	0.9%	2059
6005	25/ 6/85	54:30:12N	2	1: 0E	17	ND	81.77+-	0.9%	2061
6006	25/ 6/85	55: 0: 0N	2	0: 6E	25	ND	61.49+-	1.2%	2062
6007	25/ 6/85	55:30:18N	2	30:24E	49	ND	53.57+-	1.3%	2063
6008	25/ 6/85	55:59:45N	3	0: 6E	72	ND	48.31+-	1.4%	2064
6008	25/ 6/85	55:59:45N	3	0: 6E	72	ND	55.71+-	1.3%	2066
6009	25/ 6/85	56:30: 6N	3	30:12E	67	ND	40.18+-	1.7%	2068
6010	25/ 6/85	57: 0: 3N	4	0: 0E	59	ND	46.54+-	1.5%	2069
6010	25/ 6/85	57: 0: 3N	4	0: 0E	59	ND	37.38+-	1.8%	2072
6011	25/ 6/85	57:30: 6N	4	0: 6E	67	ND	40.43+-	1.7%	2074
6012	25/ 6/85	57:59:42N	3	59:30E	97	ND	47.61+-	1.5%	2075
6012	25/ 6/85	57:59:42N	3	59:30E	97	ND	27.33+-	2.4%	2076
6012	25/ 6/85	57:59:42N	3	59:30E	97	ND	26.35+-	2.5%	2077
6013	25/ 6/85	58:30: 0N	4	0: 0E	255	ND	50.03+-	1.4%	2078
6014	26/ 6/85	59: 0: 9N	3	59:45E	289	ND	50.08+-	1.4%	2079

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6014	26/ 6/85	59: 0: 9N	289	35	33.826	ND	48.87+- 1.4%		2080
6014	26/ 6/85	59: 0: 9N	289	100	35.226	ND	8.90+- 7.0%		2081
6014	26/ 6/85	59: 0: 9N	289	284	35.109	ND	36.15+- 1.9%		2082
6015	26/ 6/85	59:30: 6N	279	3	31.375	ND	48.98+- 1.4%		2083
6016	26/ 6/85	59:59:45N	281	3	31.368	ND	48.13+- 1.5%		2084
6016	26/ 6/85	59:59:45N	281	50	34.720	ND	43.06+- 1.6%		2085
6016	26/ 6/85	59:59:45N	281	100	35.250	ND	5.85+-10.5%		2086
6016	26/ 6/85	59:59:45N	281	277	35.156	ND	33.20+- 2.0%		2087
6017	26/ 6/85	60:30: 0N	300	3	32.728	ND	51.28+- 1.4%		2088
6018	26/ 6/85	61: 0: 6N	347	3	33.039	ND	50.51+- 1.4%		2089
6018	26/ 6/85	61: 0: 6N	347	30	34.692	ND	19.55+- 3.3%		2091
6018	26/ 6/85	61: 0: 6N	347	100	35.321	ND	18.24+- 3.5%		2092
6018	26/ 6/85	61: 0: 6N	347	343	35.153	ND	30.12+- 2.2%		2094
6019	26/ 6/85	61:30: 6N	345	3	32.966	ND	50.20+- 1.0%		2097
6020	26/ 6/85	61:59:54N	212	3	33.417	NA	NA		2099
6020	26/ 6/85	61:59:54N	212	3	33.295	ND	49.90+- 1.0%		2098
6020	26/ 6/85	61:59:54N	212	50	34.233	ND	54.20+- 1.0%		2103
6020	26/ 6/85	61:59:54N	212	100	34.804	ND	41.80+- 1.2%		2105
6020	26/ 6/85	61:59:54N	212	208	35.202	ND	18.10+- 2.5%		2106
6021	26/ 6/85	62:30: 6N	190	3	33.208	ND	55.60+- 1.0%		2108
6022	27/ 6/85	62:59:39N	305	3	33.272	ND	53.90+- 1.0%		2109
6022	27/ 6/85	62:59:39N	305	50	34.817	ND	34.40+- 1.4%		2110
6022	27/ 6/85	62:59:39N	305	100	35.073	ND	24.50+- 1.7%		2111
6022	27/ 6/85	62:59:39N	305	292	35.223	ND	13.60+- 3.1%		2112
6023	27/ 6/85	63:30: 0N	1150	3	33.140	ND	52.00+- 1.0%		2113
6024	27/ 6/85	64: 0:48N	1160	3	33.425	ND	47.80+- 1.1%		2114
6024	27/ 6/85	64: 0:48N	1160	50	35.308	ND	4.60+- 8.6%		2116
6024	27/ 6/85	64: 0:48N	1160	100	35.248	ND	9.40+- 4.3%		2118
6024	27/ 6/85	64: 0:48N	1160	250	35.186	ND	8.70+- 4.7%		2119
6024	27/ 6/85	64: 0:48N	1160	500	34.933	ND	4.20+- 9.7%		2121

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6024	27/ 6/85	64: 0:48N 5: 0: 6E	1160	1152	34.912	ND	1.70+-22.4%		2122
6025	27/ 6/85	64:30: 0N 6: 0: 6E	353	3	33.674	ND	50.30+- 1.0%		2124
6026	27/ 6/85	65: 0: 0N 7: 0:18E	300	3	34.505	ND	33.40+- 1.4%		2125
6026	27/ 6/85	65: 0: 0N 7: 0:18E	300	50	35.010	ND	19.10+- 2.4%		2128
6026	27/ 6/85	65: 0: 0N 7: 0:18E	300	100	35.194	ND	12.30+- 6.4%		2130
6026	27/ 6/85	65: 0: 0N 7: 0:18E	300	290	35.186	ND	9.50+- 4.3%		2131
6027	27/ 6/85	65: 0: 0N 8:30: 0E	195	3	34.550	ND	29.50+- 1.6%		2133
6028	27/ 6/85	64:59:57N 9:59:24E	280	3	32.485	ND	44.80+- 1.1%		2134
6028	27/ 6/85	64:59:57N 9:59:24E	280	50	34.928	ND	20.70+- 2.2%		2136
6028	27/ 6/85	64:59:57N 9:59:24E	280	100	35.138	ND	11.30+- 3.7%		2138
6028	27/ 6/85	64:59:57N 9:59:24E	280	274	35.163	ND	9.80+- 4.3%		2139
6029	28/ 6/85	65:30: 0N 10: 0: 0E	289	3	33.316	ND	45.80+- 1.1%		2141
6030	28/ 6/85	66: 0: 0N 10: 0:21E	281	3	33.873	ND	39.00+- 1.3%		2142
6030	28/ 6/85	66: 0: 0N 10: 0:21E	281	50	34.989	ND	14.70+- 2.9%		2144
6030	28/ 6/85	66: 0: 0N 10: 0:21E	281	100	35.100	ND	9.40+- 7.2%		2145
6030	28/ 6/85	66: 0: 0N 10: 0:21E	281	273	35.157	ND	6.30+-10.7%		2147
6031	28/ 6/85	66:30: 0N 10: 0: 0E	259	3	34.341	ND	28.90+- 2.4%		2149
6032	28/ 6/85	67: 0: 0N 9:59:48E	416	3	34.139	ND	30.30+- 2.3%		2150
6032	28/ 6/85	67: 0: 0N 9:59:48E	416	50	35.088	ND	10.10+- 6.6%		2152
6032	28/ 6/85	67: 0: 0N 9:59:48E	416	100	35.134	ND	6.70+- 9.8%		2154
6032	28/ 6/85	67: 0: 0N 9:59:48E	416	405	35.136	ND	5.10+-13.3%		2155
6033	28/ 6/85	67:30: 6N 11: 0:18E	165	3	33.626	ND	40.70+- 1.8%		2157
6034	28/ 6/85	67:59:51N 11:59:48E	180	3	33.739	NA	NA		2159
6034	28/ 6/85	67:59:51N 11:59:48E	180	3	33.755	ND	42.10+- 1.7%		2158
6034	28/ 6/85	67:59:51N 11:59:48E	180	50	34.020	ND	36.40+- 2.1%		2163
6034	28/ 6/85	67:59:51N 11:59:48E	180	100	34.897	ND	17.40+- 3.9%		2165
6034	28/ 6/85	67:59:51N 11:59:48E	180	170	35.084	ND	11.60+- 6.1%		2166
6035	29/ 6/85	68:30: 0N 13: 0: 0E	207	3	33.825	ND	38.70+- 1.8%		2168
6036	29/ 6/85	68:59:51N 14: 0:24E	204	3	34.191	ND	34.20+- 2.1%		2169
6036	29/ 6/85	68:59:51N 14: 0:24E	204	50	34.976	ND	13.60+- 4.9%		2170

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
6036	29/ 6/85	68:59:51N 14: 0:24E	204	100	35.127	ND	8.70+- 7.8%		2171
6036	29/ 6/85	68:59:51N 14: 0:24E	204	200	35.171	ND	7.00+- 9.3%		2172
6037	29/ 6/85	69:30: 0N 15: 0: 0E	1240	3	34.290	ND	30.80+- 2.3%		2173
6038	29/ 6/85	70: 0:18N 16: 0:21E	2060	3	33.875	ND	37.40+- 1.9%		2174
6038	29/ 6/85	70: 0:18N 16: 0:21E	2060	20	34.647	ND	22.40+- 3.0%		2177
6038	29/ 6/85	70: 0:18N 16: 0:21E	2060	50	35.040	ND	12.00+- 3.9%		2178
6038	29/ 6/85	70: 0:18N 16: 0:21E	2060	100	35.119	ND	8.40+- 4.9%		2180
6038	29/ 6/85	70: 0:18N 16: 0:21E	2060	500	35.059	ND	6.30+- 6.3%		2181
6038	29/ 6/85	70: 0:18N 16: 0:21E	2060	1000	34.908	ND	1.90+-20.3%		2182
6038	29/ 6/85	70: 0:18N 16: 0:21E	2060	2050	34.900	ND	ND		2183
6039	29/ 6/85	69:59:51N 17:22:42E	99	3	33.840	ND	37.30+- 1.3%		2185
6039	29/ 6/85	69:59:51N 17:22:42E	99	50	34.156	ND	36.00+- 1.4%		2187
6039	29/ 6/85	69:59:51N 17:22:42E	99	93	34.681	ND	23.10+- 2.0%		2189
6040	30/ 6/85	70:30: 0N 18: 0: 0E	221	3	33.890	ND	40.70+- 1.2%		2191
6041	30/ 6/85	70:59:48N 17:59:30E	339	3	34.413	ND	29.60+- 1.6%		2192
6041	30/ 6/85	70:59:48N 17:59:30E	339	50	34.736	ND	24.90+- 1.8%		2194
6041	30/ 6/85	70:59:48N 17:59:30E	339	100	34.994	ND	14.00+- 5.0%		2195
6041	30/ 6/85	70:59:48N 17:59:30E	339	214	35.090	ND	10.40+- 6.6%		2197
6042	30/ 6/85	70:59:54N 19:30: 0E	199	3	33.963	ND	38.80+- 1.8%		2199
6043	30/ 6/85	71: 0: 3N 21: 0:15E	157	3	34.438	ND	27.20+- 2.5%		2200
6043	30/ 6/85	71: 0: 3N 21: 0:15E	157	50	34.691	ND	18.10+- 6.7%		2201
6043	30/ 6/85	71: 0: 3N 21: 0:15E	157	100	34.900	ND	14.50+- 4.6%		2202
6043	30/ 6/85	71: 0: 3N 21: 0:15E	157	153	34.974	ND	12.10+- 5.5%		2203
6044	30/ 6/85	71: 9: 0N 22:30:24E	339	3	34.149	ND	27.30+- 2.5%		2204
6045	30/ 6/85	71:18:10N 24: 0:24E	352	3	34.250	ND	30.90+- 2.3%		2205
6045	30/ 6/85	71:18:10N 24: 0:24E	352	50	34.520	ND	26.60+- 2.6%		2207
6045	30/ 6/85	71:18:10N 24: 0:24E	352	100	34.794	ND	21.80+- 2.2%		2208
6045	30/ 6/85	71:18:10N 24: 0:24E	352	345	35.084	ND	14.00+- 3.1%		2210
6046	30/ 6/85	71:23: 0N 25:30:12E	285	3	34.414	ND	30.20+- 1.6%		2212
6047	30/ 6/85	71:20:54N 26:59:30E	246	3	34.446	NA	NA		2214

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6047	30/ 6/85	71:20:54N 26:59:30E	246	3	34.449	ND	28.00+- 1.7%		2213
6047	30/ 6/85	71:20:54N 26:59:30E	246	50	34.497	ND	26.30+- 1.8%		2218
6047	30/ 6/85	71:20:54N 26:59:30E	246	100	34.556	ND	23.70+- 1.9%		2220
6047	30/ 6/85	71:20:54N 26:59:30E	246	240	35.026	ND	14.10+- 3.2%		2221
6048	1/ 7/85	71:18: 0N 28:29: 0E	417	3	34.468	ND	27.90+- 1.7%		2223
6049	1/ 7/85	71: 0: 9N 29:58:42E	302	3	33.779	ND	24.70+- 1.9%		2224
6049	1/ 7/85	71: 0: 9N 29:58:42E	302	50	34.614	ND	23.50+- 1.9%		2226
6049	1/ 7/85	71: 0: 9N 29:58:42E	302	100	34.717	ND	21.10+- 2.3%		2227
6049	1/ 7/85	71: 0: 9N 29:58:42E	302	297	34.973	ND	14.40+- 3.0%		2229
6050	1/ 7/85	71:30: 0N 30: 0: 6E	305	3	34.584	ND	24.00+- 1.9%		2231
6051	1/ 7/85	72: 0: 9N 29:59: 6E	320	3	34.713	ND	21.60+- 2.1%		2232
6051	1/ 7/85	72: 0: 9N 29:59: 6E	320	50	34.751	ND	19.90+- 2.3%		2234
6051	1/ 7/85	72: 0: 9N 29:59: 6E	320	100	34.879	ND	16.20+- 2.6%		2236
6051	1/ 7/85	72: 0: 9N 29:59: 6E	320	314	35.002	ND	14.00+- 3.2%		2237
6052	1/ 7/85	72:30: 0N 29:59:30E	285	3	34.797	ND	19.30+- 2.3%		2239
6053	1/ 7/85	73: 0: 6N 29:59:30E	272	3	34.830	ND	18.60+- 2.4%		2240
6053	1/ 7/85	73: 0: 6N 29:59:30E	272	50	34.960	ND	15.20+- 2.8%		2242
6053	1/ 7/85	73: 0: 6N 29:59:30E	272	100	35.067	ND	12.40+- 5.7%		2243
6053	1/ 7/85	73: 0: 6N 29:59:30E	272	266	35.051	ND	11.40+- 5.9%		2245
6054	1/ 7/85	73:30: 0N 30: 1:24E	393	3	35.022	ND	12.60+- 5.3%		2247
6055	1/ 7/85	74: 0:35N 29:58:48E	350	3	35.079	ND	10.20+- 6.5%		2248
6055	1/ 7/85	74: 0:35N 29:58:48E	350	50	35.046	ND	9.50+- 6.9%		2249
6055	1/ 7/85	74: 0:35N 29:58:48E	350	100	35.050	ND	9.80+- 6.7%		2250
6055	1/ 7/85	74: 0:35N 29:58:48E	350	342	35.027	ND	10.80+- 6.1%		2251
6056	1/ 7/85	74:30: 0N 29:59:54E	360	3	35.060	ND	10.70+- 6.2%		2252
6057	2/ 7/85	74:59:42N 29:59:39E	380	3	34.892	ND	10.68+- 5.7%		2254
6057	2/ 7/85	74:59:42N 29:59:39E	380	50	35.043	ND	9.86+- 6.3%		2256
6057	2/ 7/85	74:59:42N 29:59:39E	380	100	35.053	ND	9.79+- 6.2%		2258
6057	2/ 7/85	74:59:42N 29:59:39E	380	374	35.042	ND	10.63+- 5.9%		2259
6058	2/ 7/85	75:30: 0N 30: 0:18E	366	3	34.470	ND	9.76+- 6.2%		2261

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
6059	2/ 7/85	76: 0:54N 29:58:42E	316	3	33.286	ND	10.26+- 6.0%		2262
6059	2/ 7/85	76: 0:54N 29:58:42E	316	22	34.435	ND	10.85+- 5.6%		2263
6059	2/ 7/85	76: 0:54N 29:58:42E	316	100	35.000	ND	10.49+- 5.8%		2264
6059	2/ 7/85	76: 0:54N 29:58:42E	316	308	35.009	ND	10.94+- 5.6%		2265
6060	2/ 7/85	76: 8:30N 29:59: 0E	305	3	33.122	ND	12.04+- 5.1%		2266
6061	2/ 7/85	75:55:45N 27:28:33E	260	3	32.833	ND	10.18+- 6.0%		2267
6061	2/ 7/85	75:55:45N 27:28:33E	260	3	32.790	NA	NA		2268
6061	2/ 7/85	75:55:45N 27:28:33E	260	50	34.922	ND	10.12+- 6.4%		2278
6061	2/ 7/85	75:55:45N 27:28:33E	260	100	34.968	ND	10.07+- 6.1%		2280
6061	2/ 7/85	75:55:45N 27:28:33E	260	253	34.972	ND	10.64+- 5.9%		2281
6062	2/ 7/85	75:55:45N 27:28:33E	260	3	32.317	ND	8.88+- 6.8%		2283
6062	2/ 7/85	75:23:48N 24:59:51E	143	50	34.856	ND	10.49+- 6.0%		2285
6062	2/ 7/85	75:23:48N 24:59:51E	143	100	NA	ND	9.47+- 6.4%		2287
6062	2/ 7/85	75:23:48N 24:59:51E	143	139	34.881	ND	10.74+- 5.9%		2288
6063	2/ 7/85	75: 0:18N 24:58:12E	181	3	34.426	ND	11.53+- 5.3%		2290
6063	2/ 7/85	75: 0:18N 24:58:12E	181	50	34.835	ND	11.37+- 5.4%		2291
6063	2/ 7/85	75: 0:18N 24:58:12E	181	100	34.887	ND	10.02+- 6.1%		2292
6063	2/ 7/85	75: 0:18N 24:58:12E	181	176	34.934	ND	10.16+- 6.0%		2293
6064	3/ 7/85	74:30: 0N 25: 0:24E	302	3	34.894	ND	7.93+- 7.5%		2294
6065	3/ 7/85	74: 0: 6N 25: 0:33E	458	3	35.070	ND	8.40+- 7.2%		2295
6065	3/ 7/85	74: 0: 6N 25: 0:33E	458	50	35.055	ND	7.19+- 8.8%		2298
6065	3/ 7/85	74: 0: 6N 25: 0:33E	458	100	35.060	ND	9.48+- 6.4%		2300
6065	3/ 7/85	74: 0: 6N 25: 0:33E	458	450	35.029	ND	9.50+- 7.0%		2301
6066	3/ 7/85	73:30: 0N 24:59:24E	425	3	35.051	ND	10.25+- 6.0%		2303
6067	3/ 7/85	72:59:54N 24:59: 6E	430	3	35.002	ND	12.00+- 5.1%		2304
6067	3/ 7/85	72:59:54N 24:59: 6E	430	50	35.081	ND	8.71+- 7.0%		2305
6067	3/ 7/85	72:59:54N 24:59: 6E	430	100	35.089	ND	7.66+- 7.9%		2306
6067	3/ 7/85	72:59:54N 24:59: 6E	430	423	35.030	ND	9.55+- 6.2%		2307
6068	3/ 7/85	72:30: 0N 25: 0: 6E	245	3	34.846	ND	17.00+- 3.7%		2308
6069	3/ 7/85	71:59:57N 25: 0:30E	260	3	34.734	ND	19.40+- 3.3%		2309

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6069	3/ 7/85	71:59:57N 25: 0:30E	260	50	34.882	ND	15.78+- 3.9%		2311
6069	3/ 7/85	71:59:57N 25: 0:30E	260	100	34.982	ND	12.70+- 5.3%		2312
6069	3/ 7/85	71:59:57N 25: 0:30E	260	255	35.036	ND	10.17+- 6.1%		2314
6070	3/ 7/85	72: 0:36N 22:29:36E	373	3	34.721	ND	19.69+- 3.2%		2316
6071	3/ 7/85	71:59:51N 20: 1: 3E	336	3	35.019	ND	12.48+- 4.9%		2317
6071	3/ 7/85	71:59:51N 20: 1: 3E	336	50	35.055	ND	9.63+- 6.4%		2319
6071	3/ 7/85	71:59:51N 20: 1: 3E	336	100	35.092	ND	11.50+- 5.4%		2321
6071	3/ 7/85	71:59:51N 20: 1: 3E	336	330	35.049	ND	7.72+- 8.1%		2322
6072	4/ 7/85	72:30: 0N 20: 0:48E	379	3	35.031	ND	11.08+- 5.5%		2324
6073	4/ 7/85	73: 0:15N 20: 0:48E	430	3	35.015	ND	11.99+- 5.1%		2325
6073	4/ 7/85	73: 0:15N 20: 0:48E	430	50	35.100	ND	8.49+- 7.2%		2326
6073	4/ 7/85	73: 0:15N 20: 0:48E	430	100	35.122	ND	7.62+- 8.0%		2327
6073	4/ 7/85	73: 0:15N 20: 0:48E	430	423	35.037	ND	9.49+- 6.4%		2328
6074	4/ 7/85	73:30: 6N 20: 0: 0E	485	3	35.063	ND	9.34+- 6.5%		2329
6075	4/ 7/85	74: 0: 9N 20: 0:57E	187	3	34.876	ND	9.24+- 6.6%		2330
6075	4/ 7/85	74: 0: 9N 20: 0:57E	187	50	34.833	ND	8.77+- 7.1%		2332
6075	4/ 7/85	74: 0: 9N 20: 0:57E	187	100	34.854	ND	9.00+- 6.8%		2331
6075	4/ 7/85	74: 0: 9N 20: 0:57E	187	174	34.911	ND	9.16+- 6.8%		2335
6076	4/ 7/85	74:30: 0N 20: 0: 0E	82	3	33.960	ND	9.68+- 6.3%		2337
6077	4/ 7/85	75: 0: 6N 20: 1:33E	33	3	34.256	ND	9.16+- 6.7%		2338
6077	4/ 7/85	75: 0: 6N 20: 1:33E	33	29	34.233	ND	8.80+- 6.9%		2340
6078	4/ 7/85	75:30:54N 19:58:42E	63	3	34.501	ND	8.53+- 7.1%		2341
6079	4/ 7/85	75:59:51N 19:59:57E	101	3	33.572	ND	7.97+- 7.6%		2342
6079	4/ 7/85	75:59:51N 19:59:57E	101	10	33.820	ND	8.47+- 7.3%		2344
6079	4/ 7/85	75:59:51N 19:59:57E	101	50	34.607	ND	8.79+- 7.9%		2345
6079	4/ 7/85	75:59:51N 19:59:57E	101	95	34.660	ND	8.24+- 7.4%		2347
6080	5/ 7/85	76:14:30N 17:30: 0E	298	3	33.642	ND	6.98+- 8.7%		2349
6081	5/ 7/85	76:29:24N 15: 1:36E	155	3	34.469	ND	7.88+- 7.7%		2350
6081	5/ 7/85	76:29:24N 15: 1:36E	155	3	34.467	NA	NA		2351
6081	5/ 7/85	76:29:24N 15: 1:36E	155	50	34.776	ND	8.37+- 7.6%		2357

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
6081	5/ 7/85	76:29:24N 15: 1:36E	155	100	34.981	ND	8.40+- 7.3%		2359
6081	5/ 7/85	76:29:24N 15: 1:36E	155	150	34.999	ND	6.66+- 9.6%		2360
6082	5/ 7/85	76: 0: 9N 14:59:57E	343	3	34.662	ND	8.71+- 7.0%		2362
6082	5/ 7/85	76: 0: 9N 14:59:57E	343	50	34.812	ND	8.86+- 6.9%		2363
6082	5/ 7/85	76: 0: 9N 14:59:57E	343	100	35.077	ND	8.27+- 7.2%		2364
6082	5/ 7/85	76: 0: 9N 14:59:57E	343	338	34.941	ND	9.03+- 6.8%		2365
6083	5/ 7/85	75:30: 0N 15: 0: 6E	385	3	34.833	ND	8.99+- 6.8%		2366
6084	5/ 7/85	75: 0:15N 14:58:48E	1125	3	35.000	ND	11.82+- 5.2%		2367
6084	5/ 7/85	75: 0:15N 14:58:48E	1125	50	35.081	ND	9.31+- 6.5%		2369
6084	5/ 7/85	75: 0:15N 14:58:48E	1125	100	35.100	ND	7.60+- 8.7%		2370
6084	5/ 7/85	75: 0:15N 14:58:48E	1125	500	34.928	ND	4.60+-13.1%		2372
6084	5/ 7/85	75: 0:15N 14:58:48E	1125	1104	34.893	ND	1.40+-44.3%		2373
6085	5/ 7/85	74:30: 0N 14:58: 6E	1805	3	34.921	ND	13.40+- 4.6%		2375
6086	5/ 7/85	73:59:42N 14:58:21E	1520	3	34.798	ND	18.00+- 3.1%		2376
6086	5/ 7/85	73:59:42N 14:58:21E	1520	50	35.053	ND	9.80+- 5.6%		2377
6086	5/ 7/85	73:59:42N 14:58:21E	1520	100	35.081	ND	8.10+- 6.7%		2378
6086	5/ 7/85	73:59:42N 14:58:21E	1520	500	35.028	ND	5.80+- 9.3%		2379
6086	5/ 7/85	73:59:42N 14:58:21E	1520	1000	34.886	ND	1.10+-50.9%		2380
6086	5/ 7/85	73:59:42N 14:58:21E	1520	1510	34.884	ND	ND		2381
6087	5/ 7/85	73:30: 0N 15: 0:30E	700	3	34.566	ND	23.90+- 2.7%		2382
6088	6/ 7/85	73: 0:27N 15: 0:30E	535	3	34.431	ND	28.80+- 1.6%		2383
6088	6/ 7/85	73: 0:27N 15: 0:30E	535	50	35.041	ND	10.72+- 6.6%		2385
6088	6/ 7/85	73: 0:27N 15: 0:30E	535	100	35.116	ND	7.45+- 9.1%		2387
6088	6/ 7/85	73: 0:27N 15: 0:30E	535	525	35.000	ND	5.04+- 8.6%		2388
6089	6/ 7/85	72:30: 0N 15: 1:24E	565	3	34.322	ND	31.15+- 1.5%		2390
6090	6/ 7/85	71:59:48N 14:59:15E	1132	3	34.618	ND	23.07+- 2.0%		2391
6090	6/ 7/85	71:59:48N 14:59:15E	1132	50	35.017	ND	10.94+- 4.0%		2392
6090	6/ 7/85	71:59:48N 14:59:15E	1132	100	35.113	ND	7.58+- 5.6%		2393
6090	6/ 7/85	71:59:48N 14:59:15E	1132	500	35.007	ND	6.22+- 9.8%		2394
6090	6/ 7/85	71:59:48N 14:59:15E	1132	1112	34.891	ND	ND		2395

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6091	6/7/85	71:30:0N 15:0:18E	1421	3	34.607	ND	22.82+-2.8%		2396
6092	6/7/85	71:0:36N 14:59:24E	2075	3	34.064	ND	33.58+-2.3%		2397
6092	6/7/85	71:0:36N 14:59:24E	2075	50	34.897	ND	15.32+-3.4%		2399
6092	6/7/85	71:0:36N 14:59:24E	2075	100	35.118	ND	8.60+-7.2%		2400
6092	6/7/85	71:0:36N 14:59:24E	2075	500	35.030	ND	5.08+-9.8%		2402
6092	6/7/85	71:0:36N 14:59:24E	2075	1000	34.917	ND	1.29+-33.1%		2403
6092	6/7/85	71:0:36N 14:59:24E	2075	2035	34.917	ND	ND		2404
6093	6/7/85	71:0:12N 12:30:0E	2425	3	35.004	ND	13.59+-3.8%		2406
6094	6/7/85	71:0:6N 9:59:51E	2670	3	35.147	ND	8.89+-6.9%		2407
6094	6/7/85	71:0:6N 9:59:51E	2670	50	35.141	ND	7.02+-8.8%		2408
6094	6/7/85	71:0:6N 9:59:51E	2670	100	35.136	ND	6.94+-8.9%		2409
6094	6/7/85	71:0:6N 9:59:51E	2670	500	35.044	ND	6.12+-8.2%		2410
6094	6/7/85	71:0:6N 9:59:51E	2670	1000	34.915	ND	1.25+-34.2%		2411
6094	6/7/85	71:0:6N 9:59:51E	2670	2000	34.920	ND	ND		2412
6094	6/7/85	71:0:6N 9:59:51E	2670	2640	34.917	ND	ND		2413
6095	7/7/85	70:29:54N 10:0:0E	2815	3	34.989	ND	14.23+-4.4%		2414
6096	7/7/85	69:59:45N 9:59:48E	2900	3	34.982	ND	15.26+-3.4%		2415
6096	7/7/85	69:59:45N 9:59:48E	2900	3	34.971	NA	NA		2416
6096	7/7/85	69:59:45N 9:59:48E	2900	50	35.179	ND	6.97+-7.5%		2422
6096	7/7/85	69:59:45N 9:59:48E	2900	100	35.148	ND	6.54+-9.4%		2421
6096	7/7/85	69:59:45N 9:59:48E	2900	500	35.092	ND	6.24+-8.0%		2425
6096	7/7/85	69:59:45N 9:59:48E	2900	1000	34.916	ND	2.56+-19.4%		2426
6096	7/7/85	69:59:45N 9:59:48E	2900	2000	34.909	ND	ND		2427
6096	7/7/85	69:59:45N 9:59:48E	2900	2892	34.915	ND	ND		2429
6097	7/7/85	69:30:0N 10:0:0E	3010	3	35.035	ND	11.64+-5.4%		2430
6098	7/7/85	68:59:39N 9:57:33E	3040	3	34.315	ND	29.70+-2.2%		2431
6098	7/7/85	68:59:39N 9:57:33E	3040	50	35.166	ND	10.15+-9.7%		2433
6098	7/7/85	68:59:39N 9:57:33E	3040	100	35.157	ND	5.31+-23.2%		2435
6098	7/7/85	68:59:39N 9:57:33E	3040	500	35.133	2.34+-58.0%	6.01+-13.0%	2.6	2436
6098	7/7/85	68:59:39N 9:57:33E	3040	1000	34.927	ND	3.68+-11.9%		2437

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6098	7/ 7/85	68:59:39N	3040	2000	34.904	ND	ND		2439
6098	7/ 7/85	68:59:39N	3040	3020	34.905	ND	ND		2440
6099	7/ 7/85	68:30: 0N	3410	3	34.005	ND	37.09+- 1.8%		2441
6100	8/ 7/85	67:59:51N	760	3	33.825	NA	NA		2443
6100	8/ 7/85	67:59:51N	760	3	33.825	ND	38.48+- 1.8%		2442
6100	8/ 7/85	67:59:51N	760	50	34.943	ND	18.90+- 2.6%		2445
6100	8/ 7/85	67:59:51N	760	100	35.063	ND	13.70+- 3.1%		2447
6100	8/ 7/85	67:59:51N	760	500	35.167	ND	7.90+- 5.1%		2448
6100	8/ 7/85	67:59:51N	760	749	34.906	ND	3.60+-11.3%		2449
6101	8/ 7/85	67:30: 0N	955	3	34.714	ND	34.60+- 1.4%		2451
6102	8/ 7/85	67: 0:33N	787	3	33.863	ND	50.80+- 1.0%		2452
6102	8/ 7/85	67: 0:33N	787	100	35.229	ND	8.00+- 5.1%		2453
6102	8/ 7/85	67: 0:33N	787	500	34.998	ND	5.60+- 7.1%		2454
6102	8/ 7/85	67: 0:33N	787	774	34.903	ND	3.40+-11.5%		2455
6103	8/ 7/85	66:30: 0N	425	3	34.013	ND	47.30+- 1.1%		2456
6104	8/ 7/85	66: 0: 9N	567	3	34.149	ND	41.50+- 1.7%		2457
6104	8/ 7/85	66: 0: 9N	567	50	35.185	ND	12.50+- 5.3%		2459
6104	8/ 7/85	66: 0: 9N	567	100	35.203	ND	10.40+- 6.7%		2460
6104	8/ 7/85	66: 0: 9N	567	556	35.098	ND	4.20+-16.3%		2462
6105	8/ 7/85	65:30:18N	765	3	33.686	ND	44.00+- 2.1%		2464
6106	8/ 7/85	64:59:54N	1120	3	34.520	NA	NA		2466
6106	8/ 7/85	64:59:54N	1120	3	34.364	ND	27.30+- 3.5%		2465
6106	8/ 7/85	64:59:54N	1120	50	35.253	NA	NA		2469
6106	8/ 7/85	64:59:54N	1120	100	35.227	ND	5.10+-12.7%		2470
6106	8/ 7/85	64:59:54N	1120	500	34.895	ND	4.40+-16.1%		2471
6106	8/ 7/85	64:59:54N	1120	1086	34.901	ND	1.10+-58.9%		2472
6107	9/ 7/85	64:30: 0N	2340	3	34.744	ND	21.00+- 3.2%		2473
6108	9/ 7/85	63:59:51N	1750	3	34.688	ND	24.50+- 2.8%		2474
6108	9/ 7/85	63:59:51N	1750	50	35.241	ND	5.10+-12.0%		2476
6108	9/ 7/85	63:59:51N	1750	100	35.239	ND	7.10+- 9.2%		2478

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6108	9/ 7/85	63:59:51N	1750	500	34.943	ND	3.50+-19.2%		2479
6108	9/ 7/85	63:59:51N	1750	1000	34.901	ND	1.50+-43.0%		2481
6108	9/ 7/85	63:59:51N	1750	1710	34.901	ND	2.00+-22.6%		2482
6109	9/ 7/85	63:30: 0N	1245	3	34.712	ND	22.40+- 3.0%		2484
6110	9/ 7/85	62:59:36N	978	3	34.863	ND	15.80+- 4.2%		2485
6110	9/ 7/85	62:59:36N	978	50	35.301	ND	4.60+-14.0%		2486
6110	9/ 7/85	62:59:36N	978	100	35.282	ND	3.90+-16.5%		2487
6110	9/ 7/85	62:59:36N	978	500	34.932	ND	4.60+-14.0%		2488
6110	9/ 7/85	62:59:36N	978	945	34.911	ND	2.00+-32.1%		2489
6111	9/ 7/85	62:30: 0N	750	3	34.856	ND	14.80+- 4.5%		2490
6112	9/ 7/85	62: 0:15N	415	3	35.326	NA	NA		2492
6112	9/ 7/85	62: 0:15N	415	3	NA	ND	6.50+-10.0%		2491
6112	9/ 7/85	62: 0:15N	415	50	35.342	ND	4.60+- 9.0%		2494
6112	9/ 7/85	62: 0:15N	415	100	35.328	ND	5.20+- 7.7%		2496
6112	9/ 7/85	62: 0:15N	415	405	35.240	ND	4.10+-10.0%		2497
6113	10/ 7/85	61:30: 9N	210	3	35.322	ND	9.10+- 4.5%		2499
6113	10/ 7/85	61:30: 9N	210	50	35.348	ND	3.33+-18.3%		2500
6113	10/ 7/85	61:30: 9N	210	100	35.349	ND	3.16+-19.2%		2501
6113	10/ 7/85	61:30: 9N	210	205	35.331	ND	7.67+- 8.1%		2502
6114	10/ 7/85	61:30: 0N	1125	3	35.259	ND	2.75+-22.0%		2503
6115	10/ 7/85	61:29:54N	1450	3	35.259	ND	2.07+-29.3%		2504
6115	10/ 7/85	61:29:54N	1450	50	35.245	ND	1.58+-38.5%		2506
6115	10/ 7/85	61:29:54N	1450	100	35.238	ND	1.40+-43.3%		2503
6115	10/ 7/85	61:29:54N	1450	500	34.881	ND	3.02+-20.2%		2509
6115	10/ 7/85	61:29:54N	1450	1000	34.899	ND	1.85+-32.9%		2510
6115	10/ 7/85	61:29:54N	1450	1425	34.902	ND	ND		2511
6116	10/ 7/85	60:59:54N	715	3	35.261	ND	2.88+-21.2%		2513
6116	10/ 7/85	60:59:54N	715	50	35.341	ND	3.20+-19.7%		2515
6116	10/ 7/85	60:59:54N	715	100	35.314	ND	2.71+-22.5%		2517
6116	10/ 7/85	60:59:54N	715	500	34.958	ND	4.20+- 9.4%		2518

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6116	10/ 7/85	60:59:54N	715	705	34.899	ND	2.40+-17.7%		2519
6117	10/ 7/85	60:59:42N	265	3	35.308	ND	6.40+- 6.3%		2521
6118	10/ 7/85	60:59:39N	122	3	35.265	NA	NA		2529
6118	10/ 7/85	60:59:39N	122	3	35.265	ND	22.40+- 2.0%		2522
6118	10/ 7/85	60:59:39N	122	3	35.265	NA	NA		2528
6118	10/ 7/85	60:59:39N	122	3	35.308	NA	NA		2523
6118	10/ 7/85	60:59:39N	122	50	35.270	ND	6.70+- 6.2%		2533
6118	10/ 7/85	60:59:39N	122	100	35.342	ND	20.10+- 2.2%		2535
6118	10/ 7/85	60:59:39N	122	117	35.290	ND	21.00+- 2.2%		2536
6119	10/ 7/85	60:29:51N	130	3	34.915	ND	84.40+- 0.7%		2538
6119	10/ 7/85	60:29:51N	130	50	35.196	ND	44.70+- 1.1%		2539
6119	10/ 7/85	60:29:51N	130	100	35.212	ND	39.90+- 1.2%		2540
6119	10/ 7/85	60:29:51N	130	124	35.217	NA	NA		2541
6120	10/ 7/85	60:30: 0N	185	3	35.342	ND	10.00+- 4.2%		2542
6121	11/ 7/85	60:30:15N	555	3	35.322	NA	NA		2544
6121	11/ 7/85	60:30:15N	555	3	35.322	ND	10.00+- 4.2%		2543
6121	11/ 7/85	60:30:15N	555	50	35.384	ND	7.10+- 5.8%		2546
6121	11/ 7/85	60:30:15N	555	100	35.387	ND	5.70+- 7.1%		2548
6121	11/ 7/85	60:30:15N	555	546	34.964	ND	ND		2549
6122	11/ 7/85	60: 0: 6N	410	3	35.355	ND	3.52+-17.3%		2551
6122	11/ 7/85	60: 0: 6N	410	50	35.376	ND	2.75+-22.1%		2552
6122	11/ 7/85	60: 0: 6N	410	100	35.393	ND	21.36+- 3.0%		2553
6122	11/ 7/85	60: 0: 6N	410	402	35.269	ND	2.54+-23.9%		2554
6123	11/ 7/85	60: 0: 0N	133	3	35.285	ND	10.40+- 4.0%		2555
6124	11/ 7/85	60: 0: 6N	100	3	35.176	ND	26.44+- 2.5%		2555
6124	11/ 7/85	60: 0: 6N	100	50	35.146	2.87+-54.9%	50.30+- 2.0%	17.5	2558
6124	11/ 7/85	60: 0: 6N	100	94	35.222	ND	35.20+- 1.9%		2560
6125	11/ 7/85	60: 0: 0N	89	3	34.981	ND	61.79+- 1.2%		2562
6126	11/ 7/85	59:59:57N	135	3	35.170	ND	22.65+- 2.9%		2563
6126	11/ 7/85	59:59:57N	135	50	35.231	ND	20.68+- 3.1%		2564

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6126	11/ 7/85	59:59:57N	135	35.222	ND	19.80+- 3.2%		2565
6126	11/ 7/85	59:59:57N	135	35.224	ND	21.04+- 3.1%		2566
6127	11/ 7/85	59:29:36N	109	34.866	3.63+-45.9%	95.16+- 1.1%	26.2	2567
6127	11/ 7/85	59:29:36N	109	34.943	2.66+-40.8%	82.91+- 0.9%	31.1	2569
6127	11/ 7/85	59:29:36N	109	35.059	ND	59.94+- 1.3%		2571
6128	12/ 7/85	59:30: 6N	73	34.684	NA	NA		2575
6128	12/ 7/85	59:30: 6N	73	34.684	5.69+-27.7%	123.26+- 0.9%	21.7	2574
6128	12/ 7/85	59:30: 6N	73	34.603	4.20+-37.0%	150.08+- 0.8%	35.7	2576
6128	12/ 7/85	59:30: 6N	73	34.627	5.87+-26.7%	147.70+- 0.8%	25.1	2577
6129	12/ 7/85	59:30: 0N	139	35.113	2.65+-58.6%	39.66+- 2.5%	15.0	2578
6130	12/ 7/85	59:30: 0N	140	35.316	ND	11.07+- 5.6%		2579
6131	13/ 7/85	59:30: 0N	139	35.342	ND	11.64+- 5.4%		2581
6132	13/ 7/85	59:30:33N	1015	35.356	ND	2.40+-25.3%		2582
6132	13/ 7/85	59:30:33N	1015	35.383	ND	1.80+-23.7%		2584
6132	13/ 7/85	59:30:33N	1015	35.377	ND	1.21+-49.9%		2586
6132	13/ 7/85	59:30:33N	1015	35.316	ND	ND		2587
6132	13/ 7/85	59:30:33N	1015	35.239	ND	2.48+-24.1%		2589
6133	13/ 7/85	59: 0: 3N	181	35.337	ND	6.52+- 9.4%		2590
6133	13/ 7/85	59: 0: 3N	181	35.394	ND	6.10+-10.1%		2591
6133	13/ 7/85	59: 0: 3N	181	35.409	ND	2.78+-21.9%		2592
6133	13/ 7/85	59: 0: 3N	181	35.387	ND	5.82+-10.2%		2593
6134	13/ 7/85	58:59:54N	85	35.015	ND	66.40+- 1.1%		2594
6135	13/ 7/85	58:59:57N	79	35.000	ND	68.47+- 1.1%		2595
6135	13/ 7/85	58:59:57N	79	35.099	2.78+-55.3%	57.54+- 1.8%	20.7	2597
6135	13/ 7/85	58:59:57N	79	35.140	ND	48.06+- 1.4%		2598
6136	13/ 7/85	59: 0: 0N	69	34.807	3.30+-46.7%	103.95+- 1.0%	31.5	2600
6137	13/ 7/85	59: 0: 0N	77	34.669	5.91+-26.4%	122.19+- 0.9%	20.7	2601
6137	13/ 7/85	59: 0: 0N	77	34.685	4.58+-33.7%	136.75+- 0.8%	29.9	2602
6137	13/ 7/85	59: 0: 0N	77	34.695	5.34+-28.9%	136.12+- 0.8%	25.5	2603
6138	13/ 7/85	58:41:54N	85	34.607	5.96+-26.2%	133.85+- 0.8%	22.5	2604

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
6139	14/ 7/85	58:38: 0N	62	3	NA	ND	149.34+- 3.9%		2612
6139	14/ 7/85	58:38: 0N	62	3	34.416	5.11+-26.6%	161.29+- 0.7%	31.5	2605
6139	14/ 7/85	58:38: 0N	62	3	34.416	NA	NA		2606
6139	14/ 7/85	58:38: 0N	62	3	34.410	NA	NA		2607
6139	14/ 7/85	58:38: 0N	62	58	34.493	ND	152.46+- 4.1%		2614
6140	14/ 7/85	58:40: 0N	82	3	34.737	ND	116.31+- 0.7%		2616
6141	14/ 7/85	58:40: 3N	66	3	34.492	3.65+-42.5%	156.38+- 0.7%	42.8	2617
6141	14/ 7/85	58:40: 3N	66	60	34.606	6.76+-23.1%	143.96+- 0.8%	21.3	2619
6142	14/ 7/85	58:30: 6N	108	3	34.777	3.07+-50.8%	118.17+- 0.9%	38.5	2621
6142	14/ 7/85	58:30: 6N	108	50	34.675	5.77+-26.7%	144.90+- 0.8%	25.1	2622
6142	14/ 7/85	58:30: 6N	108	103	34.868	4.71+-32.7%	104.04+- 1.0%	22.1	2623
6143	14/ 7/85	58: 0: 0N	61	3	34.771	NA	NA		2625
6143	14/ 7/85	58: 0: 0N	61	3	34.779	3.43+-44.9%	114.56+- 0.9%	33.4	2624
6144	14/ 7/85	58:30: 3N	90	3	34.762	5.23+-30.0%	111.67+- 1.0%	21.3	2631
6144	14/ 7/85	58:30: 3N	90	50	34.896	4.77+-32.6%	88.97+- 1.2%	18.6	2633
6144	14/ 7/85	58:30: 3N	90	86	34.888	5.42+-27.2%	95.16+- 1.1%	17.6	2634
6145	14/ 7/85	58:30: 0N	73	3	35.193	ND	34.46+- 1.9%		2636
6146	14/ 7/85	58:30:12N	159	3	35.320	ND	7.63+- 8.0%		2637
6146	14/ 7/85	58:30:12N	159	50	35.259	ND	27.13+- 2.4%		2640
6146	14/ 7/85	58:30:12N	159	100	35.374	ND	7.14+- 8.5%		2642
6146	14/ 7/85	58:30:12N	159	154	35.354	ND	11.85+- 5.2%		2643
6147	14/ 7/85	58:30:15N	589	3	35.326	ND	2.91+-20.7%		2645
6147	14/ 7/85	58:30:15N	589	50	35.391	ND	1.63+-36.8%		2646
6147	14/ 7/85	58:30:15N	589	100	35.387	ND	2.21+-27.2%		2647
6147	14/ 7/85	58:30:15N	589	577	35.315	ND	1.04+-57.4%		2648
6148	15/ 7/85	58: 0: 6N	170	3	35.291	ND	12.98+- 4.8%		2650
6148	15/ 7/85	58: 0: 6N	170	50	35.257	ND	29.89+- 2.2%		2652
6148	15/ 7/85	58: 0: 6N	170	100	35.323	NA	NA		2653
6148	15/ 7/85	58: 0: 6N	170	166	NA	ND	14.10+- 4.4%		2655
6149	15/ 7/85	58: 0: 0N	85	3	34.939	3.61+-36.3%	74.91+- 1.4%	20.8	2657

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6150	15/ 7/85	58: 0: 9N	101	3	34.869	2.84+-46.1%	88.28+- 1.2%	31.1	2658
6150	15/ 7/85	58: 0: 9N	101	50	34.892	4.04+-33.2%	98.30+- 1.1%	24.4	2659
6150	15/ 7/85	58: 0: 9N	101	97	34.978	2.89+-46.6%	84.14+- 1.2%	29.1	2660
6151	15/ 7/85	57:29:54N	68	3	34.861	3.81+-32.5%	92.21+- 1.1%	24.2	2661
6151	15/ 7/85	57:29:54N	68	30	34.900	ND	95.55+- 0.8%		2662
6151	15/ 7/85	57:29:54N	68	63	35.000	ND	76.03+- 1.0%		2664
6152	15/ 7/85	57:30: 6N	137	3	35.002	ND	67.22+- 1.1%		2665
6153	15/ 7/85	57:30: 0N	1960	3	35.347	ND	1.90+-31.4%		2666
6153	15/ 7/85	57:30: 0N	1960	50	35.397	ND	ND		2671
6153	15/ 7/85	57:30: 0N	1960	100	35.386	ND	1.50+-38.5%		2672
6153	15/ 7/85	57:30: 0N	1960	500	35.378	ND	1.00+-59.1%		2673
6153	15/ 7/85	57:30: 0N	1960	1000	35.233	ND	1.10+-53.3%		2675
6153	15/ 7/85	57:30: 0N	1960	1913	34.961	ND	1.40+-44.0%		2676
6154	15/ 7/85	57: 0: 0N	2100	3	35.358	ND	3.42+-15.7%		2678
6155	15/ 7/85	57: 0: 6N	132	3	35.360	ND	2.62+-20.4%		2679
6155	15/ 7/85	57: 0: 6N	132	50	35.395	ND	3.48+-15.5%		2680
6155	15/ 7/85	57: 0: 6N	132	100	35.392	ND	3.43+-16.6%		2681
6155	15/ 7/85	57: 0: 6N	132	127	35.369	ND	7.68+- 7.1%		2682
6156	16/ 7/85	57: 0: 0N	125	3	34.912	3.38+-32.9%	79.58+- 1.2%	23.5	2683
6157	16/ 7/85	56:45:33N	48	3	35.006	2.87+-38.7%	81.71+- 1.1%	28.4	2684
6157	16/ 7/85	56:45:33N	48	38	34.868	5.01+-22.3%	89.16+- 1.0%	17.8	2685
6158	16/ 7/85	57: 0: 0N	132	3	34.834	4.77+-23.4%	78.52+- 1.2%	16.5	2686
6158	16/ 7/85	57: 0: 0N	132	50	35.054	3.59+-30.9%	48.17+- 1.8%	13.4	2688
6158	16/ 7/85	57: 0: 0N	132	100	35.212	ND	37.30+- 1.8%		2690
6158	16/ 7/85	57: 0: 0N	132	127	35.321	ND	18.53+- 3.4%		2691
6159	16/ 7/85	56:30: 0N	100	3	34.425	8.03+-16.9%	194.47+- 0.6%	24.2	2693
6159	16/ 7/85	56:30: 0N	100	50	34.856	3.50+-38.6%	81.11+- 1.3%	23.2	2694
6159	16/ 7/85	56:30: 0N	100	94	35.313	ND	9.03+- 6.8%		2695
6160	16/ 7/85	56:29:54N	155	3	35.019	ND	58.51+- 1.2%		2696
6160	16/ 7/85	56:29:54N	155	50	35.349	ND	10.96+- 5.7%		2698

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
6160	16/ 7/85	56:29:54N 8: 0: 6W	155	100	35.352	ND	11.79+- 5.6%		2699
6160	16/ 7/85	56:29:54N 8: 0: 6W	155	150	35.365	ND	12.14+- 5.1%		2701
6161	16/ 7/85	56:29:54N 9: 0:24W	165	3	35.359	ND	4.43+-13.6%		2702
6162	16/ 7/85	56:29:57N 10: 0:51W	1750	3	35.335	ND	2.14+-28.0%		2703
6162	16/ 7/85	56:29:57N 10: 0:51W	1750	50	35.368	ND	2.13+-28.0%		2706
6162	16/ 7/85	56:29:57N 10: 0:51W	1750	100	35.366	ND	1.90+-31.6%		2708
6162	16/ 7/85	56:29:57N 10: 0:51W	1750	500	35.257	ND	1.39+-43.3%		2709
6162	16/ 7/85	56:29:57N 10: 0:51W	1750	1000	35.054	ND	1.56+-40.0%		2710
6163	17/ 7/85	56: 0: 0N 9:59:48W	2210	3	35.303	ND	3.50+-17.4%		2712
6164	17/ 7/85	56: 0: 0N 9: 0: 0W	144	3	35.330	ND	2.86+-21.2%		2713
6165	17/ 7/85	55:59:54N 8: 0: 0W	145	3	35.120	ND	37.99+- 1.8%		2714
6166	17/ 7/85	55:59:51N 7: 0:12W	68	3	34.997	ND	11.71+- 5.3%		2715
6166	17/ 7/85	55:59:51N 7: 0:12W	68	30	34.995	ND	11.98+- 5.2%		2717
6166	17/ 7/85	55:59:51N 7: 0:12W	68	60	35.055	ND	11.27+- 5.5%		2718
6167	17/ 7/85	55:29:57N 7: 1:18W	66	3	34.705	ND	43.17+- 1.6%		2726
6167	17/ 7/85	55:29:57N 7: 1:18W	66	3	34.716	NA	NA		2720
6167	17/ 7/85	55:29:57N 7: 1:18W	66	62	34.707	ND	47.15+- 1.5%		2727
6168	17/ 7/85	55:30: 0N 7:59:57W	75	3	35.139	ND	8.63+- 7.2%		2730
6168	17/ 7/85	55:30: 0N 7:59:57W	75	30	35.122	ND	5.09+-12.0%		2732
6168	17/ 7/85	55:30: 0N 7:59:57W	75	50	34.945	ND	6.33+-10.4%		2733
6168	17/ 7/85	55:30: 0N 7:59:57W	75	68	35.008	NA	NA		2735
6169	17/ 7/85	55:30: 0N 9: 0:24W	90	3	35.309	ND	2.82+-21.5%		2736
6170	18/ 7/85	55:29:48N 10: 0: 0W	1425	3	35.333	ND	1.62+-37.3%		2737
6171	18/ 7/85	55:29:48N 10:45: 0W	2505	3	35.359	ND	3.40+-14.6%		2738
6172	18/ 7/85	55: 0: 0N 10: 0: 0W	110	3	35.346	ND	3.49+-17.4%		2739
6173	18/ 7/85	55: 0:12N 9: 0:15W	78	3	35.140	NA	NA		2742
6173	18/ 7/85	55: 0:12N 9: 0:15W	78	3	35.140	ND	7.59+- 6.6%		2741
6173	18/ 7/85	55: 0:12N 9: 0:15W	78	30	35.128	ND	5.91+- 8.4%		2744
6173	18/ 7/85	55: 0:12N 9: 0:15W	78	50	35.081	ND	7.98+- 6.5%		2745
6173	18/ 7/85	55: 0:12N 9: 0:15W	78	69	35.071	ND	8.16+- 6.1%		2747

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6174	18/ 7/85	54:30: 3N 9: 0: 9W	73	35.060	ND	6.99+- 7.1%		2749
6174	18/ 7/85	54:30: 3N 9: 0: 9W	73	34.961	ND	7.80+- 6.5%		2750
6174	18/ 7/85	54:30: 3N 9: 0: 9W	73	35.006	ND	8.40+- 7.3%		2751
6175	18/ 7/85	54:30: 0N 9:59:30W	98	35.287	ND	3.22+-15.3%		2752
6175	18/ 7/85	54:30: 0N 9:59:30W	98	35.285	ND	4.08+-12.1%		2753
6175	18/ 7/85	54:30: 0N 9:59:30W	98	35.163	ND	5.92+-10.3%		2754
6176	19/ 7/85	54:29: 0N 11: 0: 0W	472	35.348	ND	3.30+-18.4%		2755
6177	19/ 7/85	54: 0: 9N 11:59:57W	415	35.358	ND	2.28+-26.5%		2756
6177	19/ 7/85	54: 0: 9N 11:59:57W	415	35.419	ND	2.72+-31.5%		2758
6177	19/ 7/85	54: 0: 9N 11:59:57W	415	35.417	ND	ND		2759
6177	19/ 7/85	54: 0: 9N 11:59:57W	415	35.415	ND	2.30+-26.3%		2761
6178	19/ 7/85	54: 0: 6N 10:59:54W	198	35.209	ND	5.23+-11.8%		2763
6178	19/ 7/85	54: 0: 6N 10:59:54W	198	35.289	ND	4.26+-14.3%		2764
6178	19/ 7/85	54: 0: 6N 10:59:54W	198	35.457	ND	1.46+-42.1%		2765
6178	19/ 7/85	54: 0: 6N 10:59:54W	198	35.439	ND	3.31+-18.3%		2766
6179	19/ 7/85	53:30: 0N 11: 0: 0W	144	35.049	ND	8.55+- 9.5%		2767
6180	19/ 7/85	53: 0:12N 10: 5: 6W	105	34.666	ND	9.69+- 8.4%		2768
6180	19/ 7/85	53: 0:12N 10: 5: 6W	105	34.672	NA	NA		2769
6180	19/ 7/85	53: 0:12N 10: 5: 6W	105	35.094	ND	8.45+- 9.7%		2773
6180	19/ 7/85	53: 0:12N 10: 5: 6W	105	35.133	ND	9.11+- 8.9%		2774
6180	19/ 7/85	53: 0:12N 10: 5: 6W	105	34.923	ND	9.96+- 8.2%		2776
6181	19/ 7/85	52:30: 0N 11: 0: 0W	120	35.403	ND	3.13+-25.5%		2777
6182	20/ 7/85	52:30:27N 12: 0: 3W	272	35.481	ND	2.94+-26.8%		2778
6182	20/ 7/85	52:30:27N 12: 0: 3W	272	35.503	ND	ND		2779
6182	20/ 7/85	52:30:27N 12: 0: 3W	272	35.486	ND	ND		2780
6183	20/ 7/85	52: 0: 0N 12: 0: 0W	685	35.461	ND	2.54+-22.5%		2781
6184	20/ 7/85	51:59:42N 11: 0:30W	142	35.100	ND	7.90+-10.3%		2782
6184	20/ 7/85	51:59:42N 11: 0:30W	142	35.348	ND	5.23+-15.6%		2784
6184	20/ 7/85	51:59:42N 11: 0:30W	142	35.391	ND	5.77+-14.8%		2785
6184	20/ 7/85	51:59:42N 11: 0:30W	142	35.394	NA	NA		2787

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
6185	20/ 7/85	51:30:18N	990	3	35.479	ND	1.89+-42.9%		2789
6185	20/ 7/85	51:30:18N	990	3	35.479	NA	NA		2790
6185	20/ 7/85	51:30:18N	990	30	35.479	ND	3.78+-21.2%		2792
6185	20/ 7/85	51:30:18N	990	50	35.502	ND	1.54+-52.5%		2794
6185	20/ 7/85	51:30:18N	990	100	35.498	ND	1.93+-41.5%		2795
6186	20/ 7/85	51:30: 0N	172	3	35.227	ND	4.98+-16.2%		2797
6187	20/ 7/85	51:21:57N	98	3	35.139	ND	5.78+-14.0%		2798
6187	20/ 7/85	51:21:57N	98	50	35.418	ND	4.43+-17.9%		2800
6187	20/ 7/85	51:21:57N	98	93	35.425	ND	3.55+-23.0%		2802
6188	20/ 7/85	51: 1: 0N	120	3	35.163	ND	5.79+-14.0%		2804
6189	21/ 7/85	50:47: 3N	118	3	35.105	ND	7.21+-11.2%		2805
6189	21/ 7/85	50:47: 3N	118	50	35.349	ND	6.43+-12.6%		2806
6189	21/ 7/85	50:47: 3N	118	112	35.368	ND	5.47+-14.8%		2807
6190	21/ 7/85	50:34: 0N	115	3	35.173	ND	7.98+-10.3%		2808
6191	21/ 7/85	50:20:33N	108	3	34.928	ND	10.51+- 7.8%		2809
6191	21/ 7/85	50:20:33N	108	50	35.237	ND	6.28+-13.0%		2812
6191	21/ 7/85	50:20:33N	108	103	35.243	ND	6.55+-12.4%		2813
6192	21/ 7/85	49:59:57N	70	3	35.177	ND	4.31+-18.6%		2815
6192	21/ 7/85	49:59:57N	70	3	35.167	NA	NA		2817
6193	21/ 7/85	49:55:30N	84	3	34.931	ND	4.12+-19.7%		2826
6194	21/ 7/85	49:59:54N	70	3	34.954	ND	3.76+-21.6%		2827
6195	22/ 7/85	50: 6: 0N	62	3	34.915	ND	4.87+-16.7%		2828
6196	21/ 7/85	50:16:36N	53	3	35.060	ND	4.18+-19.2%		2829
6197	22/ 7/85	50:27: 0N	31	3	34.728	ND	7.85+-10.5%		2830
6198	22/ 7/85	50:36:42N	52	3	34.845	ND	10.72+- 7.7%		2832
6199	22/ 7/85	50:52: 6N	39	3	34.868	ND	8.13+-10.1%		2833
6200	22/ 7/85	51: 0: 0N	35	3	34.926	ND	8.18+-10.0%		2834
6201	22/ 7/85	51:30: 0N	21	3	34.790	ND	11.98+- 6.9%		2835
6202	22/ 7/85	52: 0: 0N	27	3	34.376	ND	31.24+- 2.7%		2836

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<b>Site 38 Cirolana</b>									
7002	13/ 8/85	52:16:42N	39	3	34.860	ND	9.66+-17.4%		3863
7009	14/ 8/85	52:24:24N	30	3	34.701	ND	13.13+-13.0%		3866
7012	14/ 8/85	52:51: 0N	37	3	34.636	ND	17.58+- 9.8%		3869
7018	15/ 8/85	53: 5: 0N	30	3	34.245	ND	37.40+- 4.8%		3870
7026	16/ 8/85	54: 1:18N	52	3	34.396	ND	88.42+- 2.2%		3874
7030	16/ 8/85	54: 8:42N	63	3	34.702	ND	91.78+- 2.2%		3880
7036	17/ 8/85	53:50: 0N	39	3	34.436	ND	85.75+- 2.3%		3881
7042	17/ 8/85	54: 0: 0N	36	3	34.196	9.24+-43.4%	47.71+- 5.7%	5.2	3882
7046	18/ 8/85	54:57:42N	27	3	32.711	ND	15.27+-11.2%		3886
7056	19/ 8/85	55: 0: 0N	44	3	34.646	ND	76.61+- 2.5%		3887
7062	20/ 8/85	54:39:30N	21	3	34.733	ND	72.66+- 2.6%		3888
7067	20/ 8/85	54:53:42N	31	3	34.554	ND	75.81+- 2.5%		3889
7075	21/ 8/85	54:56:54N	82	3	34.139	ND	107.35+- 1.9%		3890
7085	22/ 8/85	55:51: 6N	85	3	34.648	ND	108.33+- 1.9%		3894
7089	22/ 8/85	55:39:42N	85	3	33.822	ND	100.84+- 2.0%		3896
7099	23/ 8/85	56:25:36N	53	3	34.545	ND	118.52+- 1.8%		3897
7105	23/ 8/85	56:59:42N	71	3	34.616	ND	117.34+- 1.8%		3898
7105	23/ 8/85	56:59:42N	71	66	34.823	ND	101.16+- 2.0%		3899
7111	24/ 8/85	57:54: 6N	101	3	35.044	ND	47.10+- 3.9%		3900
7115	24/ 8/85	58: 8:54N	71	3	34.747	ND	71.64+- 2.7%		3901
7119	25/ 8/85	58:16:36N	51	3	34.684	ND	130.84+- 1.6%		3904
7121	25/ 8/85	58:34:36N	71	3	34.770	ND	109.75+- 1.9%		3905
7133	26/ 8/85	59:33:36N	133	3	35.198	ND	18.65+- 9.2%		3907
7136	26/ 8/85	60: 0:18N	87	3	35.181	6.18+-29.5%	32.32+- 4.1%	5.2	3908
7140	27/ 8/85	60:37:42N	141	3	35.119	3.08+-58.8%	41.44+- 3.2%	13.4	3911
7144	27/ 8/85	61: 0: 0N	123	3	35.183	ND	19.66+- 4.0%		3912
7152	28/ 8/85	61:33:18N	185	3	35.231	ND	4.94+-16.6%		3913
7153	28/ 8/85	61: 0: 0N	141	3	34.925	ND	16.54+- 5.1%		3914

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7157	29/ 8/85	60:31:42N	121	3	34.797	ND	22.75+- 3.8%		3918
7160	29/ 8/85	60:12:54N	111	3	34.663	ND	27.67+- 3.1%		3919
7164	29/ 8/85	60:10:42N	137	3	35.126	ND	10.45+- 8.0%		3920
7167	31/ 8/85	60:23:18N	114	3	35.208	ND	25.86+- 3.3%		3921
7174	1/ 9/85	59:17:12N	130	3	35.039	ND	27.31+- 3.2%		3922
7178	1/ 9/85	59:29:24N	125	3	34.891	ND	24.17+- 3.5%		3926
7181	1/ 9/85	59:20: 0N	121	3	34.661	ND	30.74+- 2.8%		3927
7189	2/ 9/85	58:16: 6N	75	3	34.885	ND	55.42+- 1.7%		3928
7194	3/ 9/85	58:26:24N	161	3	33.747	ND	47.86+- 1.9%		3929
7197	3/ 9/85	58: 4: 0N	161	3	34.042	ND	46.64+- 1.9%		3930
7209	4/ 9/85	57:16:24N	81	3	34.883	ND	54.82+- 1.7%		3931
7209	4/ 9/85	57:16:24N	81	76	35.121	ND	38.56+- 2.3%		3932
7210	4/ 9/85	57: 0:18N	89	3	34.964	ND	63.46+- 1.5%		3933
7210	4/ 9/85	57: 0:18N	89	84	35.071	ND	55.78+- 1.6%		3934
7219	5/ 9/85	56:37: 0N	73	3	34.876	ND	57.78+- 1.6%		3937
7223	7/ 9/85	55:29:54N	47	3	34.820	ND	115.86+- 1.8%		3938
7228	7/ 9/85	56: 0: 0N	53	3	34.909	ND	47.41+- 3.9%		3939
7232	8/ 9/85	56:47: 0N	55	3	34.698	ND	57.91+- 3.2%		3943
7232	8/ 9/85	56:47: 0N	55	50	34.725	ND	88.68+- 2.2%		3944
7237	8/ 9/85	56:38:48N	38	3	34.749	ND	70.15+- 2.7%		3945
7237	8/ 9/85	56:38:48N	38	33	34.757	ND	69.09+- 2.8%		3946
7240	9/ 9/85	55:57:54N	47	3	34.616	ND	85.06+- 2.3%		3947
<b>Site 39 Clione</b>									
4002	19/ 3/85	52: 0: 0N	38	3	34.388	ND	55.75+- 2.5%		3336
4004	19/ 3/85	51: 0: 0N	30	3	34.980	ND	4.95+-28.0%		3338
4005	20/ 3/85	50:50:18N	34	3	35.042	ND	4.48+-29.3%		3339
4007	20/ 3/85	50:10:36N	64	3	35.144	ND	3.79+-35.0%		3340
4008	21/ 3/85	49:56: 6N	82	3	35.081	ND	5.14+-25.5%		3341

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
4009	22/ 3/85	50: 0: 0N	64	3	35.121	ND	3.13+-38.9%		3342
4010	22/ 3/85	50:30: 0N	71	3	35.101	ND	2.49+-48.6%		3343
4011	22/ 3/85	51: 0: 0N	90	3	35.074	ND	4.21+-27.8%		3344
4012	23/ 3/85	52: 0: 0N	54	3	NA	ND	15.38+-12.3%		3345
4013	23/ 3/85	52:40: 0N	86	3	NA	ND	24.25+- 7.9%		3346
4014	23/ 3/85	53:20: 0N	51	3	NA	8.29+-56.3%	69.33+- 4.4%	8.4	3347
4015	23/ 3/85	54: 0: 0N	52	3	34.516	7.99+-46.3%	228.69+- 0.9%	28.6	3348
4016	23/ 3/85	54:30: 0N	140	3	34.497	9.51+-39.5%	231.59+- 0.9%	24.4	3349
4017	23/ 3/85	54:40:12N	24	3	34.257	14.27+-26.6%	396.78+- 0.6%	27.8	3350
4022	24/ 3/85	54:38:27N	72	3	34.310	ND	341.57+- 0.6%		3351
4022	24/ 3/85	54:38:27N	72	34	34.304	8.53+-47.4%	336.16+- 0.7%	39.4	3352
4022	24/ 3/85	54:38:27N	72	67	34.321	9.73+-42.4%	311.10+- 0.8%	32.0	3353
4024	24/ 3/85	54:39:57N	135	3	34.348	10.75+-36.0%	317.98+- 0.7%	29.6	3354
4024	24/ 3/85	54:39:57N	135	65	34.366	ND	312.99+- 0.8%		3355
4024	24/ 3/85	54:39:57N	135	130	34.374	13.90+-31.8%	307.82+- 0.8%	22.1	3356
4031	25/ 3/85	54:43: 6N	274	3	34.384	16.98+-22.9%	313.99+- 0.7%	18.5	3357
4031	25/ 3/85	54:43: 6N	274	135	34.380	16.94+-39.1%	312.74+- 1.2%	18.5	3358
4031	25/ 3/85	54:43: 6N	274	269	34.391	13.39+-33.8%	299.76+- 0.9%	22.4	3359
4036	25/ 3/85	54:44:30N	113	3	34.353	13.60+-28.7%	326.32+- 0.7%	24.0	3360
4036	25/ 3/85	54:44:30N	113	50	34.343	10.45+-53.1%	323.01+- 1.0%	30.9	3361
4036	25/ 3/85	54:44:30N	113	108	34.348	13.66+-30.5%	325.81+- 0.8%	23.8	3362
4038	25/ 3/85	54:45:57N	50	3	34.278	15.13+-25.5%	340.08+- 0.7%	22.5	3363
4038	25/ 3/85	54:45:57N	50	23	34.290	9.88+-38.9%	354.59+- 0.7%	35.9	3364
4038	25/ 3/85	54:45:57N	50	45	34.313	14.41+-28.7%	349.63+- 0.7%	24.3	3365
4068	29/ 3/85	54:20: 0N	80	3	34.323	10.74+-38.6%	333.56+- 0.7%	31.1	3366
4069	30/ 3/85	53:20: 0N	90	3	NA	9.68+-47.1%	88.71+- 3.4%	9.2	3367
4070	30/ 3/85	52:40: 0N	56	3	NA	7.61+-59.9%	67.32+- 4.5%	8.8	3368
4071	30/ 3/85	52: 7:48N	62	3	NA	ND	10.74+-17.1%		3369
4072	30/ 3/85	51: 0: 0N	100	3	35.014	ND	8.09+-16.0%		3370
4073	31/ 3/85	50:30: 0N	88	3	35.210	ND	5.32+-22.9%		3371

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
4074	31/ 3/85	50: 0: 0N	70	3	35.204	ND	6.54+-38.4%		3372
4075	31/ 3/85	49:56:18N	90	3	35.098	ND	4.04+-30.1%		3373
4076	31/ 3/85	50:12:48N	60	3	35.121	ND	7.03+-34.3%		3374
4077	1/ 4/85	50:29:18N	28	3	34.425	ND	6.36+-38.0%		3375
4078	1/ 4/85	50:52:36N	38	3	34.799	ND	9.02+-27.1%		3376
4079	1/ 4/85	51: 0: 0N	30	3	NA	ND	5.45+-22.7%		3377
4080	1/ 4/85	51:30: 0N	37	3	34.931	ND	7.07+-18.2%		3378
4081	1/ 4/85	52: 0: 0N	28	3	34.944	ND	14.93+-17.0%		3379
<b>Site 39 Clione</b>									
5002	15/ 4/85	52: 0: 0N	110	3	NA	ND	7.90+-21.7%		3307
5003	15/ 4/85	52:30:48N	76	3	NA	ND	7.00+-24.5%		3308
5004	15/ 4/85	52:52:30N	30	3	34.252	ND	76.57+- 2.6%		3309
5006	15/ 4/85	52:52:12N	72	3	NA	7.75+-53.3%	73.48+- 3.8%	9.5	3310
5008	16/ 4/85	53: 7:36N	14	3	34.584	ND	109.84+- 1.8%		3311
5011	16/ 4/85	53: 7:54N	76	3	NA	9.09+-49.2%	65.40+- 4.6%	7.2	3312
5014	16/ 4/85	53: 7:12N	54	3	NA	ND	19.87+-10.2%		3313
5015	16/ 4/85	53:21:42N	56	3	34.718	ND	32.28+- 5.3%		3314
5017	16/ 4/85	53:22:24N	145	3	NA	ND	43.00+- 4.0%		3315
5019	16/ 4/85	53:22:30N	81	3	NA	10.83+-37.9%	148.19+- 2.0%	13.7	3316
5022	16/ 4/85	53:22:18N	14	3	34.275	ND	191.77+- 1.2%		3317
5024	16/ 4/85	53:37:42N	40	3	34.204	ND	213.31+- 1.5%		3318
5028	16/ 4/85	53:36:30N	104	3	NA	ND	193.49+- 1.2%		3319
5031	17/ 4/85	53:36:42N	48	3	34.605	ND	114.49+- 2.7%		3320
5032	17/ 4/85	53:51:48N	69	3	NA	ND	139.17+- 1.9%		3321
5034	17/ 4/85	53:51:54N	98	3	NA	6.77+-59.3%	269.07+- 1.1%	39.7	3322
5038	17/ 4/85	53:52:30N	49	3	NA	ND	277.32+- 0.9%		3323
5040	17/ 4/85	54: 7:36N	26	3	NA	15.43+-27.7%	315.52+- 1.0%	20.4	3324
5042	17/ 4/85	54: 7:30N	68	3	34.276	ND	288.54+- 1.2%		3325

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
5046	17/ 4/85	54: 6:30N	43	NA	ND	196.70+- 1.2%		3326
5048	17/ 4/85	54:22:42N	48	34.505	ND	268.75+- 1.5%		3327
5051	18/ 4/85	54:22:30N	91	34.326	18.74+-35.6%	336.27+- 1.4%	17.9	3328
5053	18/ 4/85	54:37:42N	59	34.297	ND	310.25+- 1.5%		3329
5054	18/ 4/85	54:37:30N	138	34.334	19.83+-33.7%	358.33+- 1.4%	18.1	3330
5056	18/ 4/85	54:38: 0N	27	33.751	32.93+-20.5%	800.07+- 0.7%	24.3	3331
5077	19/ 4/85	54: 7:30N	36	34.506	32.94+-20.5%	197.50+- 2.3%	6.0	3332
5079	19/ 4/85	54:22:36N	43	33.421	223.24+- 3.1%	2705.90+- 0.3%	12.1	3333
5080	19/ 4/85	54:22:36N	27	33.166	387.62+- 2.0%	4020.30+- 0.3%	10.4	3334
5081	19/ 4/85	54: 7:36N	30	33.661	50.67+-12.6%	852.31+- 0.7%	16.8	3335
5101	21/ 4/85	54: 0: 0N	56	34.568	ND	169.22+- 1.8%		3276
5102	21/ 4/85	54:30: 0N	135	34.448	18.39+-34.2%	264.89+- 1.7%	14.4	3277
5103	22/ 4/85	54:40: 0N	25	34.350	38.29+-19.3%	331.26+- 1.6%	8.7	3278
5134	25/ 4/85	54:46:21N	53	34.422	11.54+-58.2%	261.70+- 1.8%	22.7	3279
5134	25/ 4/85	54:46:21N	53	34.427	18.54+-34.4%	263.50+- 1.7%	14.2	3280
5134	25/ 4/85	54:46:21N	53	34.433	24.97+-27.6%	269.82+- 1.8%	10.8	3281
5135	25/ 4/85	54:44:27N	134	34.447	ND	273.03+- 1.3%		3282
5135	25/ 4/85	54:44:27N	134	34.426	ND	260.84+- 1.3%		3283
5135	25/ 4/85	54:44:27N	134	34.426	15.29+-45.8%	258.82+- 1.9%	16.9	3284
5138	25/ 4/85	54:41:48N	239	34.439	14.29+-55.6%	281.99+- 2.0%	19.7	3285
5138	25/ 4/85	54:41:48N	239	34.132	11.90+-52.6%	274.26+- 1.6%	23.1	3286
5138	25/ 4/85	54:41:48N	239	34.408	ND	265.57+- 1.3%		3287
5141	25/ 4/85	54:39:33N	134	34.291	ND	328.00+- 1.1%		3288
5141	25/ 4/85	54:39:33N	134	34.337	14.50+-44.5%	306.23+- 1.5%	21.1	3289
5141	25/ 4/85	54:39:33N	134	34.334	ND	303.25+- 1.6%		3290
5143	25/ 4/85	54:35:42N	41	34.299	13.25+-48.8%	316.03+- 1.5%	23.9	3291
5143	25/ 4/85	54:35:42N	41	34.304	12.64+-50.1%	311.60+- 1.5%	24.7	3292
5143	25/ 4/85	54:35:42N	41	34.292	14.63+-43.6%	318.53+- 1.4%	21.8	3293
5144	25/ 4/85	54:20: 0N	86	34.353	13.40+-48.4%	301.94+- 1.5%	22.5	3294
5145	26/ 4/85	52:40: 0N	44	34.339	ND	97.69+- 2.8%		3295

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
5146	26/ 4/85	52:10: 0N	44	3	34.650	ND	12.08+-19.5%		3296
5147	26/ 4/85	51: 0: 0N	46	3	35.164	ND	4.39+-29.8%		3297
5148	26/ 4/85	50:30: 0N	81	3	35.241	ND	4.37+-27.3%		3298
5149	26/ 4/85	49:59:48N	66	3	35.206	ND	5.41+-44.2%		3299
5150	27/ 4/85	49:56:54N	78	3	35.096	ND	5.45+-45.1%		3300
5151	27/ 4/85	50:27:36N	49	3	35.081	ND	5.62+-40.8%		3301
5152	28/ 4/85	50:35:12N	32	3	34.580	ND	5.68+-42.4%		3302
5154	28/ 4/85	50:52:48N	35	3	34.602	ND	13.80+-17.7%		3303
5155	28/ 4/85	51: 0: 0N	31	3	34.892	ND	8.75+-28.4%		3304
5156	28/ 4/85	51:30: 0N	40	3	34.945	ND	39.79+- 9.9%		3305
5157	28/ 4/85	52: 0: 0N	26	3	34.030	ND	40.28+- 6.3%		3306
<b>Site 39 Clione</b>									
7001	7/ 6/85	52: 0: 0N	35	3	33.833	ND	76.71+- 3.7%		3175
7002	7/ 6/85	51:30: 0N	37	3	34.294	ND	22.39+-10.9%		3176
7003	7/ 6/85	51: 0: 0N	24	3	34.946	ND	10.44+-24.1%		3177
7004	7/ 6/85	50:50: 0N	34	3	34.951	ND	6.05+-40.4%		3178
7006	8/ 6/85	50:34:54N	28	3	34.773	ND	4.29+-41.1%		3179
7007	8/ 6/85	50:14:30N	56	3	35.002	ND	7.59+-23.2%		3180
7008	9/ 6/85	49:54:24N	85	3	34.978	ND	5.50+-44.9%		3181
7009	9/ 6/85	50: 0: 0N	62	3	35.084	ND	4.69+-53.8%		3182
7010	9/ 6/85	50:30: 0N	85	3	35.204	ND	3.89+-31.4%		3183
7011	10/ 6/85	52: 0: 0N	72	3	34.915	ND	13.30+-18.7%		3184
7012	10/ 6/85	52:40: 0N	41	3	34.288	ND	142.16+- 2.2%		3185
7013	10/ 6/85	53:20: 0N	93	3	34.434	ND	170.94+- 1.9%		3186
7014	10/ 6/85	54:20: 0N	71	3	34.270	31.46+-20.6%	441.67+- 1.1%	14.0	3187
7015	11/ 6/85	54:46:48N	30	3	34.309	37.84+-17.5%	402.13+- 1.2%	10.6	3188
7015	11/ 6/85	54:46:48N	30	12	34.269	21.64+-31.2%	407.13+- 1.2%	18.8	3189
7015	11/ 6/85	54:46:48N	30	25	34.281	28.38+-23.7%	406.50+- 1.2%	14.3	3190

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
7016	11/ 6/85	54:45:18N	131	3	34.239	21.28+-29.3%	459.25+-1.0%	21.6	3191
7016	11/ 6/85	54:45:18N	131	61	34.322	23.38+-27.4%	380.76+-1.2%	16.3	3192
7016	11/ 6/85	54:45:18N	131	122	34.339	32.13+-21.8%	362.72+-1.4%	11.3	3193
7018	11/ 6/85	54:42:45N	246	3	34.220	30.69+-22.1%	476.01+-1.0%	15.5	3194
7018	11/ 6/86	54:42:45N	246	120	34.350	17.24+-40.7%	331.14+-1.5%	19.2	3195
7018	11/ 6/85	54:42:45N	246	241	34.384	25.63+-26.5%	297.67+-1.6%	11.6	3196
7020	11/ 6/85	54:39:24N	132	3	34.250	16.83+-38.3%	356.75+-1.3%	21.2	3197
7020	11/ 6/85	54:39:24N	132	63	34.363	16.98+-40.8%	356.18+-1.4%	21.0	3198
7020	11/ 6/85	54:39:24N	132	127	34.372	15.70+-44.5%	341.45+-1.4%	21.8	3199
7022	11/ 6/85	54:36:36N	45	3	34.270	18.56+-33.6%	309.92+-1.4%	16.7	3200
7022	11/ 6/85	54:36:36N	45	20	34.245	23.85+-31.0%	370.82+-1.4%	15.5	3201
7022	11/ 6/85	54:36:36N	45	40	34.246	15.49+-45.2%	334.09+-1.4%	21.6	3202
7030	12/ 6/85	54:30: 0N	142	3	34.362	15.22+-42.9%	371.34+-1.2%	24.4	3203
7032	12/ 6/85	54:40: 0N	23	3	33.874	59.87+-11.0%	861.84+-0.7%	14.4	3204
7042	13/ 6/85	54: 0: 0N	79	3	34.457	ND	184.77+-1.7%	3205	3205
7043	14/ 6/85	53:20: 6N	52	3	34.471	ND	93.97+-2.9%	3206	3206
7044	14/ 6/85	52:40: 0N	87	3	34.609	ND	16.33+-15.4%	3207	3207
7045	14/ 6/85	52: 0: 0N	62	3	34.663	ND	9.64+-25.9%	3208	3208
7046	14/ 6/85	51: 0: 0N	86	3	35.281	ND	7.57+-32.4%	3209	3209
Site 42 Prince Madog									
1001	10/ 4/85	53:20: 0N	29	3	33.097	27.97+-12.4%	630.17+-0.6%	22.5	1061
1002	10/ 4/85	53:24: 0N	25	3	32.802	33.29+-10.5%	826.00+-0.5%	24.8	1062
1003	10/ 4/85	53:25: 0N	18	3	32.725	40.30+-8.7%	935.77+-0.4%	23.2	1063
1004	10/ 4/85	53:29:48N	20	3	32.465	50.20+-7.1%	1110.90+-0.4%	22.1	1064
1005	10/ 4/85	53:40: 0N	37	3	33.432	35.43+-9.5%	781.26+-0.5%	22.1	1065
1005	10/ 4/85	53:40: 0N	37	35	33.429	36.28+-9.8%	758.37+-0.5%	20.9	1066
1006	10/ 4/85	53:40: 0N	48	3	34.337	8.82+-38.5%	271.72+-1.1%	30.8	1067
1007	10/ 4/85	53:49:54N	53	3	34.554	9.29+-36.6%	152.50+-1.9%	16.4	1068

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
1007	10/ 4/85	53:49:54N	53	51	34.569	8.08+-42.9%	151.33+- 2.0%	18.7	1069
1008	10/ 4/85	53:50: 0N	39	3	33.494	37.25+- 9.4%	817.70+- 0.5%	21.9	1070
1008	10/ 4/85	53:50: 0N	39	37	33.784	28.27+-17.4%	604.50+- 0.8%	21.4	1175
1009	10/ 4/85	54: 0: 0N	38	3	33.607	32.97+-15.0%	759.05+- 0.7%	23.0	1176
1010	11/ 4/85	53:59:54N	41	3	34.417	ND	253.40+- 1.3%		1177
1010	11/ 4/85	53:59:54N	41	39	34.418	13.64+-36.1%	247.38+- 1.8%	18.1	1178
1011	11/ 4/85	54: 0: 6N	51	3	34.514	8.97+-53.6%	199.28+- 2.1%	22.2	1179
1012	11/ 4/85	54: 0: 0N	46	3	34.564	ND	154.26+- 1.9%		1180
1012	11/ 4/85	54: 0: 0N	46	44	34.573	ND	159.32+- 1.8%		1181
1013	11/ 4/85	54: 9:54N	23	3	34.470	ND	191.51+- 1.7%		950
1014	15/ 4/85	54: 9:54N	38	3	34.447	ND	245.67+- 1.4%		951
1014	15/ 4/85	54: 9:54N	38	27	34.442	ND	247.05+- 1.4%		976
1015	15/ 4/85	54: 0: 0N	26	3	33.619	47.61+-11.7%	1087.20+- 0.6%	22.8	977
1015	15/ 4/85	54: 0: 0N	26	24	33.772	27.58+-19.9%	876.50+- 0.7%	31.8	978
1016	15/ 4/85	54: 0: 0N	27	3	33.010	71.07+- 7.2%	1212.20+- 0.5%	17.1	1182
1016	15/ 4/85	54: 0: 0N	27	25	33.252	63.60+- 8.0%	1084.00+- 0.6%	17.0	1183
1017	15/ 4/85	54: 0: 0N	17	3	32.821	98.24+- 5.3%	1625.20+- 0.4%	16.5	1184
1018	15/ 4/85	54:10: 0N	25	3	32.932	69.35+- 8.2%	1507.50+- 0.5%	21.7	988
1018	15/ 4/85	54:10: 0N	25	23	33.672	30.99+-17.8%	865.86+- 0.7%	27.9	989
1019	15/ 4/85	54:19:54N	20	3	33.207	81.00+- 7.1%	1429.50+- 0.5%	17.6	990
1019	15/ 4/85	54:19:54N	20	18	33.268	71.26+- 8.0%	1504.40+- 0.5%	21.1	991
1020	15/ 4/85	54:24: 0N	18	3	32.832	2036.60+- 0.6%	19405.00+- 0.2%	9.5	992
1020	15/ 4/85	54:24: 0N	18	16	32.908	1812.50+- 0.6%	17308.00+- 0.2%	9.5	993
1022	15/ 4/85	54:27: 6N	22	3	32.656	950.94+- 0.9%	9304.10+- 0.3%	9.8	994
1022	15/ 4/85	54:27: 6N	22	20	32.992	572.70+- 0.8%	6254.20+- 0.2%	10.9	995
1023	15/ 4/85	54:30: 6N	26	3	32.650	823.08+- 1.0%	8790.30+- 0.2%	10.7	996
1023	15/ 4/85	54:30: 6N	26	24	33.036	443.75+- 1.6%	5299.40+- 0.3%	11.9	997
1024	15/ 4/85	54:19:48N	42	3	33.289	289.88+- 1.4%	3518.40+- 0.2%	12.1	998
1024	15/ 4/85	54:19:48N	42	40	33.620	47.53+-11.8%	1094.90+- 0.6%	23.0	999
1025	16/ 4/85	54:19:30N	30	3	33.586	91.59+- 6.2%	1461.40+- 0.5%	16.0	1000

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
1025	16/ 4/85	54:19:30N	30	28	33.776	68.08+- 8.4%	1048.40+- 0.6%	15.4	1001
1026	16/ 4/85	54:30: 6N	33	3	33.389	202.76+- 3.1%	2788.60+- 0.3%	13.8	1002
1026	16/ 4/85	54:30: 6N	33	31	33.529	134.97+- 4.4%	1966.70+- 0.4%	14.6	1006
1027	16/ 4/85	54:40: 0N	26	3	32.483	101.46+- 5.8%	1679.60+- 0.4%	16.6	1039
1027	16/ 4/85	54:40: 0N	26	24	33.160	119.72+- 4.9%	1863.70+- 0.4%	15.6	1040
1028	16/ 4/85	54:39:48N	40	3	32.445	55.90+-10.1%	1240.90+- 0.5%	22.2	1041
1028	16/ 4/85	54:39:48N	40	38	33.689	40.03+-14.6%	952.93+- 0.6%	23.8	1042
1029	16/ 4/85	54:29:54N	4	3	33.472	44.79+- 6.7%	946.91+- 0.3%	21.1	1043
1029	16/ 4/85	54:29:54N	4	55	33.917	24.53+-27.4%	688.05+- 0.9%	28.1	1044
1030	16/ 4/85	54:29:54N	49	3	34.431	7.06+-34.1%	237.40+- 0.9%	33.6	1340
1030	16/ 4/85	54:29:54N	49	47	34.437	9.91+-24.4%	238.42+- 0.9%	24.1	1345
1031	16/ 4/85	54:29:54N	34	3	34.575	5.94+-40.5%	182.46+- 1.1%	30.7	1346
1031	16/ 4/85	54:29:54N	34	32	34.589	5.43+-44.3%	157.88+- 1.3%	29.1	1347
1032	16/ 4/85	54:40: 0N	25	3	34.037	23.00+-11.1%	509.15+- 0.5%	22.1	1348
1032	16/ 4/85	54:40: 0N	25	23	34.028	22.51+-10.9%	485.47+- 0.5%	21.6	1349
1033	16/ 4/85	54:30: 0N	142	3	34.340	16.32+-24.4%	316.10+- 1.2%	19.4	1350
1033	16/ 4/85	54:30: 0N	142	140	34.748	ND	91.79+- 2.4%		1351
1034	16/ 4/85	54:40:12N	5	3	34.245	9.55+-41.4%	374.42+- 1.0%	39.2	1352
1034	16/ 4/85	54:40:12N	5	60	34.292	18.52+-21.6%	319.70+- 1.2%	17.3	1353
1035	16/ 4/85	54:50: 0N	5	3	34.328	15.67+-25.4%	300.89+- 1.2%	19.2	1354
1035	16/ 4/85	54:50: 0N	5	148	34.395	8.20+-48.2%	270.65+- 1.3%	33.0	1355
1036	16/ 4/85	54:59:48N	68	3	34.171	13.55+-36.0%	340.57+- 1.3%	25.1	1356
1036	16/ 4/85	54:59:48N	68	66	34.210	8.87+-54.7%	330.35+- 1.4%	37.3	1357
1037	16/ 4/85	54:59:48N	135	3	34.281	11.68+-41.6%	308.57+- 1.4%	26.4	1358
1037	16/ 4/85	54:59:48N	135	133	34.386	10.15+-47.8%	270.64+- 1.6%	26.7	1359
1038	16/ 4/85	54:59:54N	79	3	34.177	15.89+-30.8%	336.23+- 1.4%	21.2	1360
1038	16/ 4/85	54:59:54N	79	77	34.198	14.14+-34.5%	327.23+- 1.4%	23.1	1361
1039	16/ 4/85	54:50: 0N	5	3	34.256	19.19+-25.1%	316.63+- 1.4%	16.5	1362
1040	16/ 4/85	54:40: 0N	5	3	34.389	14.88+-32.8%	280.37+- 1.6%	18.8	1363
1040	16/ 4/85	54:40: 0N	5	142	34.451	15.85+-30.2%	243.96+- 1.8%	15.4	1364

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
1041	16/ 4/85	54:29:48N	120	3	34.340	9.70+-50.1%	289.61+-	1.5%	1365
1041	16/ 4/85	54:29:48N	120	118	34.443	10.13+-24.0%	248.03+-	0.9%	1495
1042	17/ 4/85	54:20: 6N	76	3	34.327	14.38+-17.0%	286.77+-	0.8%	1496
1042	17/ 4/85	54:20: 6N	76	74	34.359	10.96+-22.2%	280.41+-	0.8%	1497
1043	17/ 4/85	54:20: 0N	124	3	34.461	12.56+-19.4%	238.88+-	0.9%	1498
1044	17/ 4/85	54:20: 0N	30	3	34.557	11.62+-20.9%	172.44+-	1.2%	1499
1044	17/ 4/85	54:20: 0N	30	28	34.534	7.73+-31.4%	167.11+-	1.2%	1500
1044	17/ 4/85	54:20: 0N	41	3	34.462	8.86+-27.4%	196.98+-	1.1%	1501
1045	17/ 4/85	54:10: 6N	41	3	34.462	8.86+-27.4%	196.98+-	1.1%	1501
1046	17/ 4/85	54: 9:54N	88	3	34.308	14.00+-17.4%	281.16+-	0.8%	1502
1047	17/ 4/85	53:59:36N	86	3	34.124	12.66+-19.3%	271.96+-	0.8%	1503
1047	17/ 4/85	53:59:36N	86	84	34.563	7.46+-32.5%	180.88+-	1.2%	1504
1048	17/ 4/85	54: 0: 0N	56	3	34.385	8.68+-27.8%	202.81+-	1.0%	1656
1048	17/ 4/85	54: 0: 0N	56	54	34.574	4.93+-47.8%	148.16+-	1.3%	1657
1049	17/ 4/85	53:50: 0N	64	3	NA	ND	151.36+-	2.0%	1045
1049	17/ 4/85	53:50: 0N	64	3	34.603	4.84+-49.7%	141.06+-	1.4%	1658
1049	17/ 4/85	53:50: 0N	64	3	34.618	ND	119.34+-	2.6%	1046
1050	17/ 4/85	53:40: 0N	76	3	34.633	ND	117.99+-	2.6%	1976
1050	17/ 4/85	53:40: 0N	76	74	34.618	ND	92.51+-	1.5%	1659
1051	17/ 4/85	53:39:54N	66	3	34.618	ND	100.98+-	3.0%	1977
1051	17/ 4/85	53:39:54N	66	64	34.634	ND	215.98+-	1.0%	1660
1052	17/ 4/85	53:40: 0N	61	3	34.286	7.35+-32.8%	137.65+-	1.5%	1661
1052	17/ 4/85	53:40: 0N	61	59	34.559	7.63+-31.6%	94.27+-	2.1%	1662
1053	17/ 4/85	53:20: 6N	89	3	34.615	5.69+-42.3%	96.55+-	1.4%	1663
1053	17/ 4/85	53:20: 6N	89	87	34.614	ND	37.23+-	7.4%	3060
1054	18/ 4/85	53:19:54N	54	3	34.669	ND	34.01+-	7.7%	3061
1054	18/ 4/85	53:19:54N	54	52	34.685	ND	244.42+-	1.4%	3062
1055	18/ 4/85	53:30: 0N	46	3	34.300	ND	243.46+-	1.4%	3063
1055	18/ 4/85	53:30: 0N	46	44	34.315	ND	545.97+-	0.9%	3064
1056	18/ 4/85	53:29:54N	36	3	33.655	14.56+-42.5%	534.25+-	1.0%	3065
1056	18/ 4/85	53:29:54N	36	34	33.702	13.50+-45.8%			

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.	
<b>Site 51 Challenger</b>										
1002	3/ 2/85	54:28: 0N	33	3	34.006	29.16+-26.4%	606.73+-	0.9%	20.8	4133
1003	3/ 2/85	54:31: 0N	34	3	34.448	18.25+-47.6%	307.99+-	1.8%	16.9	4134
<b>Site 51 Challenger</b>										
8014	19/ 8/85	56:48:48N	130	120	35.320	ND	12.85+-	9.4%		5009
8020	16/ 8/85	54:43: 6N	210	210	34.376	23.37+-31.4%	271.85+-	2.0%	11.6	4995
8021	16/ 8/85	54:44: 6N	147	120	34.214	25.47+-23.6%	383.15+-	1.3%	15.0	5000
8022	16/ 8/85	54:44:54N	114	100	34.247	18.07+-33.2%	324.87+-	1.5%	18.0	5006
<b>Site 38 Cirolana</b>										
6001	18/ 6/86	50:32: 0N	60	3	NA	1.63+-59.7%	8.28+-	9.6%	5.1	1716
6002	18/ 6/86	50:16:48N	53	3	NA	ND	5.86+-	8.5%		1718
6003	19/ 6/86	50: 0: 0N	69	3	NA	1.73+-53.6%	4.49+-	16.7%	2.6	1719
6004	19/ 6/86	49:14: 0N	89	3	NA	ND	3.55+-	13.5%		1721
6005	19/ 6/86	48:22:18N	126	3	NA	ND	2.91+-	16.0%		1723
6006	19/ 6/86	47:26: 0N		3	NA	1.58+-59.4%	1.37+-	55.0%	0.9	1724
6091	15/ 7/86	53:17:54N	88	3	NA	19.67+-14.6%	108.50+-	2.4%	5.5	2580
6091	15/ 7/86	53:17:54N	88	54	NA	16.82+-28.5%	91.32+-	4.5%	5.4	2581
6091	15/ 7/86	53:17:54N	88	82	NA	19.88+-24.2%	81.96+-	5.0%	4.1	2583
6093	15/ 7/86	53:36:36N	78	3	NA	17.40+-17.8%	86.22+-	3.1%	5.0	2585
6093	15/ 7/86	53:36:36N	78	36	NA	ND	94.02+-	2.9%		2587
6093	15/ 7/86	53:36:36N	78	70	NA	13.42+-36.0%	92.65+-	4.5%	6.9	2589
6095	15/ 7/86	53:46:40N	64	27	NA	13.63+-35.1%	107.62+-	3.8%	7.9	2593
6095	15/ 7/86	53:46:40N	64	58	NA	10.89+-44.2%	105.16+-	3.9%	9.7	2594
6097	15/ 7/86	53:46:40N	64	3	NA	15.95+-18.9%	109.89+-	2.5%	6.9	2591
6097	15/ 7/86	53:58:25N	45	3	NA	12.13+-25.0%	129.00+-	2.1%	10.6	2596

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6097	15/ 7/86	53:58:25N	45	18	NA	23.02+-21.1%	130.52+- 3.3%	5.7	2598
6097	15/ 7/86	53:58:25N	45	40	NA	20.66+-23.4%	133.80+- 3.2%	6.5	2599
6099	16/ 7/86	54:38:52N	56	3	NA	47.48+- 7.0%	375.13+- 1.0%	7.9	2604
6099	16/ 7/86	54:38:52N	56	22	NA	49.22+-10.5%	371.31+- 1.4%	7.5	2605
6099	16/ 7/86	54:38:52N	56	50	NA	45.97+-10.5%	365.60+- 1.3%	8.0	2606
6101	16/ 7/86	54:34:41N	51	3	NA	38.50+- 8.1%	293.52+- 1.1%	7.6	2609
6101	16/ 7/86	54:34:41N	51	18	NA	39.78+-12.4%	283.86+- 1.7%	7.1	2610
6101	16/ 7/86	54:34:41N	51	45	NA	45.99+-11.4%	334.99+- 1.5%	7.3	2611
6103	16/ 7/86	54:30: 8N	43	3	NA	39.84+- 8.0%	280.78+- 1.2%	7.0	2612
6103	16/ 7/86	54:30: 8N	43	37	NA	42.05+-11.7%	329.30+- 1.4%	7.8	2614
6105	16/ 7/86	54:19:24N	24	3	NA	22.48+-14.1%	152.63+- 1.9%	6.8	2615
6105	16/ 7/86	54:19:24N	24	12	NA	24.81+-19.9%	195.80+- 2.3%	7.9	2644
6105	16/ 7/86	54:19:24N	24	18	NA	31.22+-16.2%	188.95+- 2.4%	6.1	2645
6108	16/ 7/86	54:22:59N	42	3	NA	42.90+- 7.8%	388.88+- 0.9%	9.1	2646
6108	16/ 7/86	54:22:59N	42	23	NA	56.36+- 8.7%	430.85+- 1.2%	7.6	2647
6108	16/ 7/86	54: 2:59N	42	35	NA	60.90+- 8.5%	475.47+- 1.1%	7.8	2648
6111	17/ 7/86	54:27:38N	32	3	NA	50.93+- 6.9%	415.59+- 0.9%	8.2	2649
6111	17/ 7/86	54:27:38N	32	18	NA	51.58+- 9.4%	435.31+- 1.1%	8.4	2650
6111	17/ 7/86	54:27:38N	32	27	NA	54.41+- 9.5%	435.59+- 1.2%	8.0	2651
6114	17/ 7/86	54:29:13N	23	3	NA	86.94+- 4.5%	891.69+- 0.6%	10.3	2652
6114	17/ 7/86	54:29:13N	23	8	NA	79.47+- 6.4%	879.57+- 0.7%	11.1	2653
6114	17/ 7/86	54:29:13N	23	17	NA	83.61+- 6.4%	918.84+- 0.7%	11.0	2654
<b>Site 38 Cirolana</b>									
7001	14/ 8/86	52:36: 6N	30	3	NA	11.10+-12.7%	85.64+- 1.4%	7.7	4641
7004	15/ 8/86	53:25:18N	29	3	NA	7.36+-19.2%	86.22+- 1.4%	11.7	4642
7011	15/ 8/86	54:53:42N	35	3	NA	6.25+-23.0%	82.29+- 1.4%	13.2	4643
7012	15/ 8/86	54:29: 0N	53	3	NA	8.89+-16.1%	78.63+- 1.5%	8.8	4644
7021	16/ 8/86	54:57: 0N	61	3	NA	6.79+-20.8%	76.88+- 1.5%	11.3	4645

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
7031	17/ 8/86	56:32:18N	73	3	NA	19.04+- 7.8%	79.23+- 1.6%	4.2	4646
7037	17/ 8/86	56:43:36N	97	3	NA	14.37+-10.2%	68.07+- 1.8%	4.7	4648
7038	17/ 8/86	56:59:54N	89	3	NA	18.37+- 7.8%	76.33+- 1.6%	4.2	4651
7038	17/ 8/86	56:59:54N	89	84	NA	3.00+-46.3%	58.27+- 2.0%	19.4	4652
7043	18/ 8/86	58:14:48N	83	3	NA	14.25+- 9.9%	62.33+- 1.9%	4.4	4653
7049	19/ 8/86	58: 5:24N	155	3	NA	24.91+- 5.9%	84.65+- 1.5%	3.4	4654
7053	19/ 8/86	58:29: 6N	165	3	NA	20.33+- 7.2%	74.79+- 1.7%	3.7	4657
7057	20/ 8/86	59:18:30N	136	3	NA	19.12+- 7.6%	56.62+- 2.2%	3.0	4659
7060	20/ 8/86	59:24:54N	125	3	NA	15.65+- 9.2%	54.58+- 2.2%	3.5	4660
7069	21/ 8/86	59:15:36N	125	3	NA	15.61+- 9.1%	57.93+- 2.1%	3.7	4661
7072	22/ 8/86	60:18:18N	114	3	NA	20.87+- 6.7%	48.03+- 2.5%	2.3	4662
7076	22/ 8/86	60:34: 0N	205	3	NA	17.08+- 8.3%	48.07+- 2.5%	2.8	4663
7080	22/ 8/86	60:58: 6N	249	3	NA	16.30+- 8.9%	43.83+- 2.8%	2.7	4665
7082	23/ 8/86	61:27:36N	177	3	NA	14.09+-10.2%	29.56+- 4.0%	2.1	4666
7086	23/ 8/86	61:14:18N	165	3	NA	18.76+- 7.9%	40.38+- 3.0%	2.2	4669
7092	24/ 8/86	60:21:30N	165	3	NA	25.97+- 5.8%	50.85+- 2.6%	2.0	4670
7097	24/ 8/86	60:23:30N	115	3	NA	15.13+- 9.9%	31.99+- 3.8%	2.1	4671
7100	25/ 8/86	61: 0: 0N	125	3	NA	10.67+-13.8%	24.57+- 4.8%	2.3	4675
7105	25/ 8/86	60: 0: 0N	93	3	NA	12.36+-12.0%	32.98+- 3.7%	2.7	4676
7109	26/ 8/86	59:13:18N	107	3	NA	27.33+- 5.6%	56.87+- 2.3%	2.1	4677
7113	26/ 8/86	59: 1:48N	74	3	NA	15.66+- 9.5%	55.79+- 2.2%	3.6	4678
7119	27/ 8/86	58:15:36N	69	3	NA	14.49+-10.3%	88.05+- 1.4%	6.1	4681
7122	27/ 8/86	57:58:12N	110	3	NA	23.94+- 6.2%	54.06+- 2.4%	2.3	4682
7125	28/ 8/86	57: 3:24N	73	3	NA	14.40+-10.2%	79.67+- 1.6%	5.5	4683
7125	28/ 8/86	57: 3:24N	73	73	NA	18.86+- 8.0%	84.04+- 1.5%	4.5	4684
7129	29/ 8/86	56:59:42N	81	3	NA	21.92+- 6.9%	86.26+- 1.5%	3.9	4685
7134	29/ 8/86	56:21:18N	61	3	NA	19.69+- 7.7%	82.96+- 1.6%	4.2	4688
7141	30/ 8/86	57:49: 0N	90	3	NA	23.44+- 6.5%	59.28+- 2.2%	2.5	4689
7145	31/ 8/86	55:51:24N	149	3	NA	13.71+-10.7%	70.96+- 1.8%	5.2	4691
7151	1/ 9/86	55:47:18N	85	3	NA	10.35+-14.3%	68.44+- 1.8%	6.6	4692

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7158	1/ 9/86	55:40:42N	47	3	NA	9.52+-15.6%	80.07+-1.6%	8.4	4693
7161	2/ 9/86	56:45:24N	70	3	NA	25.42+-6.0%	77.74+-1.7%	3.1	4695
7164	2/ 9/86	56:48:48N	64	3	NA	25.17+-6.0%	86.23+-1.6%	3.4	4696
7164	2/ 9/86	56:48:48N	64	64	NA	9.66+-15.2%	66.22+-1.8%	6.9	4697
7169	3/ 9/86	56:45:30N	50	3	NA	25.46+-5.9%	105.57+-1.3%	4.1	4698
7172	3/ 9/86	56:36:30N	44	3	NA	18.10+-8.2%	84.94+-1.5%	4.7	4702
7172	3/ 9/86	56:36:30N	44	44	NA	18.52+-8.1%	84.57+-1.5%	4.6	4703
7175	3/ 9/86	56:17:6N	33	3	NA	21.30+-6.9%	65.83+-2.0%	3.1	4704
7180	4/ 9/86	55:53:30N	43	3	NA	23.99+-6.3%	97.40+-1.4%	4.1	4705
7185	5/ 9/86	55:56:6N	48	3	NA	11.85+-12.5%	64.98+-1.9%	5.5	4706
7189	5/ 9/86	55:2:12N	43	3	NA	6.86+-20.9%	25.50+-4.6%	3.7	4707
7195	6/ 9/86	54:46:0N	42	3	NA	8.34+-17.7%	75.67+-1.6%	9.1	4710
7200	7/ 9/86	54:37:12N	37	3	NA	7.23+-20.4%	82.56+-1.5%	11.4	4711
7207	8/ 9/86	53:50:24N	39	3	NA	9.04+-16.7%	87.07+-1.5%	9.6	4715
7210	9/ 9/86	53:48:54N	42	3	NA	6.02+-24.6%	91.16+-1.4%	15.1	4716
7213	9/ 9/86	53:41:18N	32	3	NA	8.32+-17.4%	61.09+-2.0%	7.3	4717
7218	10/ 9/86	52:32:30N	28	3	NA	3.25+-44.1%	23.05+-5.0%	7.1	4718
7224	10/ 9/86	53:8:36N	31	3	NA	6.28+-23.3%	91.59+-1.4%	14.6	4722

**Site 39 Clione**

2001	25/ 1/86	51:30:0N	94	3	NA	ND	6.42+-21.4%		21
2002	25/ 1/86	52:0:0N	96	3	NA	ND	8.22+-17.2%		22
2003	25/ 1/86	52:30:0N	84	3	NA	ND	54.37+-2.7%		23
2004	25/ 1/86	53:0:0N	100	3	NA	ND	78.97+-1.8%		24
2005	25/ 1/86	53:30:0N	96	3	NA	6.76+-58.9%	110.16+-2.1%	16.3	25
2006	26/ 1/86	54:22:48N	39	3	NA	30.51+-13.7%	816.58+-0.4%	26.8	26
2007	26/ 1/86	54:27:30N	23	3	NA	32.71+-12.6%	865.95+-0.4%	26.5	27
2008	26/ 1/86	54:29:36N	23	3	NA	31.76+-13.3%	869.75+-0.4%	27.4	28
2013	26/ 1/86	54:10:0N	24	3	NA	29.91+-13.8%	783.55+-0.4%	26.2	29

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
2014	30/ 1/86	54:30: 6N	42	3	NA	10.53+-39.0%	385.49+-	0.7%	36.6
2015	26/ 1/86	54:35: 0N	54	3	NA	16.34+-26.3%	438.90+-	0.6%	26.9
2017	27/ 1/86	54:19:24N	29	3	NA	14.66+-30.4%	365.93+-	0.8%	25.0
2018	27/ 1/86	53:58:18N	48	3	NA	10.39+-41.7%	364.73+-	0.8%	35.1
2019	27/ 1/86	53:46:42N	63	3	NA	ND	160.94+-	1.0%	34
2020	27/ 1/86	53:36: 0N	81	3	NA	ND	140.12+-	1.2%	35
2021	28/ 1/86	51: 0: 0N	95	3	NA	ND	4.89+-28.2%		36
2022	28/ 1/86	50:30: 0N	83	3	NA	ND	6.06+-21.3%		37
2023	28/ 1/86	50: 0: 0N	70	3	NA	ND	8.60+-16.2%		38
<b>Site 39 Cijone</b>									
5001	7/ 4/86	52: 0: 0N	31	3	34.172	ND	32.86+-	5.1%	4276
5002	7/ 4/86	51:30: 0N	35	3	34.750	ND	11.49+-10.8%		4277
5003	7/ 4/86	51: 0: 0N	29	3	34.646	ND	14.28+-	9.0%	4278
5004	8/ 4/86	50:32:18N	67	3	34.967	ND	9.15+-13.9%		4279
5005	8/ 4/86	50:30: 0N	29	3	34.677	ND	7.35+-21.3%		4280
5006	8/ 4/86	50:28: 6N	43	3	34.903	ND	4.43+-29.7%		4281
5007	8/ 4/86	50:18: 0N	56	3	35.162	ND	3.94+-31.3%		4282
5008	8/ 4/86	50: 7:30N	69	3	35.218	3.87+-58.2%	4.10+-33.7%	1.1	4283
5009	8/ 4/86	50: 7:30N	69	3	35.177	3.67+-59.5%	5.60+-24.0%	1.5	4284
5010	9/ 4/86	50: 0: 0N	71	3	35.308	ND	7.36+-16.7%		4285
5011	9/ 4/86	50:30: 0N	82	3	35.409	4.46+-35.1%	6.89+-13.9%	1.5	4286
5012	9/ 4/86	51: 0: 0N	93	3	35.183	ND	7.42+-	8.9%	4287
5013	9/ 4/86	51:30: 0N	75	3	34.374	ND	10.40+-	6.2%	4288
5101	15/ 4/86	53:49:51N	17	3	32.793	17.25+-18.3%	570.28+-	0.6%	4289
5101	15/ 4/86	53:49:51N	17	15	32.781	13.05+-22.6%	569.91+-	0.5%	4290
5102	15/ 4/86	53:40: 3N	34	3	32.960	15.09+-19.4%	527.32+-	0.6%	4291
5102	15/ 4/86	53:40: 3N	34	32	32.965	14.52+-25.8%	508.15+-	0.7%	4292
5103	15/ 4/86	53:30: 0N	15	3	31.848	19.68+-14.6%	627.79+-	0.5%	4293

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
5104	15/ 4/86	53:25: 0N	12	3	32.241	16.91+-17.3%	598.16+- 0.5%	35.4	4294
5105	15/ 4/86	53:30: 6N	39	3	32.993	13.10+-21.7%	419.60+- 0.7%	32.0	4295
5105	15/ 4/86	53:30: 6N	39	37	33.821	7.54+-39.0%	250.18+- 1.0%	33.2	4296
5106	16/ 4/86	53:21: 0N	16	3	33.143	10.66+-26.3%	313.39+- 0.8%	29.4	4297
5107	16/ 4/86	53:29:48N	50	3	33.772	6.88+-42.3%	241.42+- 1.0%	35.1	4298
5107	16/ 4/86	53:29:48N	50	48	33.818	ND	240.08+- 0.9%		4299
5108	16/ 4/86	53:40: 0N	75	3	34.232	ND	150.60+- 1.1%		4300
5108	16/ 4/86	53:40: 0N	75	73	34.283	ND	154.66+- 1.2%		4301
5109	16/ 4/86	53:40: 0N	45	3	33.959	5.34+-54.8%	243.65+- 1.0%	45.6	4302
5110	16/ 4/86	53:49:57N	40	3	33.464	7.06+-42.7%	343.16+- 0.8%	48.6	4303
5110	16/ 4/86	53:49:57N	40	38	33.555	8.26+-37.6%	214.43+- 1.2%	26.0	4304
5111	16/ 4/86	53:49:57N	50	3	34.211	8.24+-38.4%	354.23+- 0.8%	43.0	4305
5111	16/ 4/86	53:49:57N	50	48	34.226	6.87+-49.7%	217.70+- 1.2%	31.7	4306
5112	16/ 4/86	54: 0: 3N	42	3	34.049	6.56+-44.6%	274.28+- 0.9%	41.8	4307
5112	16/ 4/86	54: 0: 3N	42	40	34.066	8.42+-36.2%	255.13+- 1.0%	30.3	4308
5113	16/ 4/86	53:59:54N	43	3	34.103	11.77+-27.2%	243.87+- 1.1%	20.7	4309
5113	16/ 4/86	53:59:54N	43	41	34.138	12.35+-27.3%	241.20+- 1.1%	19.5	4310
5114	16/ 4/86	54: 0: 0N	40	3	33.919	9.12+-32.3%	265.93+- 0.9%	29.2	4311
5115	16/ 4/86	53:59:51N	29	3	33.217	20.48+-15.1%	427.70+- 0.7%	20.9	4312
5115	16/ 4/86	53:59:51N	29	27	33.239	19.55+-15.7%	458.26+- 0.6%	23.4	4313
5116	16/ 4/86	53:59:57N	19	3	32.792	16.82+-19.2%	610.26+- 0.5%	36.3	4314
5116	16/ 4/86	53:59:57N	19	17	32.774	17.97+-16.5%	564.72+- 0.5%	31.4	4315
5117	16/ 4/86	54:10: 0N	29	3	33.218	18.42+-32.9%	527.12+- 0.9%	28.6	4316
5117	16/ 4/86	54:10: 0N	29	27	33.239	ND	472.09+- 0.8%		4317
5118	16/ 4/86	54: 9:51N	23	3	33.859	12.44+-57.2%	297.98+- 1.7%	24.0	4318
5118	16/ 4/86	54: 9:51N	23	21	33.900	13.64+-52.2%	299.08+- 1.7%	21.9	4319
5119	16/ 4/86	54: 9:51N	26	3	33.690	17.82+-16.6%	334.96+- 0.8%	18.8	4320
5119	16/ 4/86	54: 9:51N	26	24	33.713	21.30+-28.2%	353.80+- 1.3%	16.6	4321
5120	17/ 4/86	54:10: 0N	31	3	33.419	15.48+-20.3%	335.94+- 0.8%	21.7	4322
5121	17/ 4/86	54:19:33N	25	3	33.305	20.14+-15.6%	509.46+- 0.6%	25.3	4323

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
5121	17/ 4/86	54:19:33N	25	23	33.305	17.49+-19.0%	597.09+-	0.5%	4324
5122	17/ 4/86	54:19:48N	42	3	33.469	ND	419.13+-	0.9%	4325
5122	17/ 4/86	54:19:48N	42	40	33.566	ND	401.50+-	1.0%	4326
5123	17/ 4/86	54:18: 6N	37	3	33.388	ND	403.68+-	0.9%	4327
5123	17/ 4/86	54:18: 6N	37	35	33.561	14.81+-45.0%	373.13+-	1.3%	4328
5124	17/ 4/86	54:20: 0N	24	3	33.225	ND	458.94+-	0.8%	4329
5124	17/ 4/86	54:20: 0N	24	22	33.218	ND	497.60+-	0.8%	4330
5125	17/ 4/86	54:23:48N	24	3	33.333	ND	447.41+-	0.8%	4331
5125	17/ 4/86	54:23:48N	24	22	33.320	13.71+-48.1%	469.23+-	1.1%	4332
5126	17/ 4/86	54:21:51N	31	3	33.308	15.79+-39.8%	419.44+-	1.1%	4333
5126	17/ 4/86	54:21:51N	31	29	33.312	ND	453.60+-	1.0%	4334
5127	17/ 4/86	54:25:57N	31	3	33.397	ND	456.00+-	0.8%	4335
5127	17/ 4/86	54:25:57N	31	29	33.393	ND	445.29+-	0.9%	4336
5128	17/ 4/86	54:27:57N	23	3	33.229	ND	543.55+-	0.7%	4337
5128	17/ 4/86	54:27:57N	23	21	33.212	16.65+-39.0%	519.53+-	1.0%	4338
5129	17/ 4/86	54:30: 0N	33	3	33.330	ND	484.82+-	0.8%	4339
5129	17/ 4/86	54:30: 0N	33	31	33.332	ND	437.12+-	0.9%	4340
5130	17/ 4/86	54:39:57N	27	3	33.231	ND	469.48+-	0.8%	4341
5130	17/ 4/86	54:39:57N	27	25	33.229	ND	452.35+-	0.8%	4342
5131	17/ 4/86	54:40: 3N	44	3	33.354	19.26+-15.9%	467.89+-	0.6%	4343
5131	17/ 4/86	54:40: 3N	44	42	33.510	15.60+-19.9%	446.07+-	0.6%	4344
5132	17/ 4/86	54:30: 3N	60	3	33.358	20.28+-15.3%	472.10+-	0.6%	4345
5132	17/ 4/86	54:30: 3N	60	58	33.474	23.34+-13.6%	451.32+-	0.6%	4346
5133	17/ 4/86	54:29:48N	51	3	33.470	17.38+-17.5%	423.62+-	0.7%	4347
5133	17/ 4/86	54:29:48N	51	49	33.471	18.05+-16.5%	375.70+-	0.7%	4348
5134	17/ 4/86	54:40: 3N	23	3	33.743	12.76+-15.7%	311.62+-	0.6%	4349
5134	17/ 4/86	54:40: 3N	23	21	33.750	12.21+-16.8%	320.70+-	0.6%	4350
5135	17/ 4/86	54:19:54N	33	3	33.478	15.62+-12.6%	428.36+-	0.5%	4351
5135	17/ 4/86	54:19:54N	33	31	33.961	9.33+-22.6%	296.11+-	0.6%	4352
5136	17/ 4/86	54:10: 0N	44	3	34.033	7.63+-26.6%	259.54+-	0.7%	4353

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
5137	17/ 4/86	53:59:57N	73	3	34.373	ND	172.66+-0.7%		4354
5137	17/ 4/86	53:59:57N	73	71	34.415	ND	139.53+-0.9%		4355
5138	17/ 4/86	53:50:0N	70	3	34.372	ND	170.94+-1.3%		4356
5139	18/ 4/86	53:40:12N	70	3	34.431	ND	126.87+-0.9%		4357
5139	18/ 4/86	53:40:12N	70	68	34.469	ND	121.69+-1.0%		4358
5140	18/ 4/86	53:20:3N	51	3	34.238	4.40+-42.6%	148.00+-1.0%	33.6	4359
5140	18/ 4/86	53:20:3N	51	49	34.371	7.60+-27.0%	117.70+-1.3%	15.5	4360
5141	18/ 4/86	53:0:0N	41	3	34.443	6.90+-27.6%	75.90+-1.8%	11.0	4361
5142	18/ 4/86	52:59:30N	85	3	34.479	4.80+-41.1%	105.30+-1.4%	21.9	4362
5142	18/ 4/86	52:59:30N	85	84	34.702	ND	45.60+-1.9%		4363
5143	18/ 4/86	52:39:54N	79	3	34.686	ND	20.30+-4.1%		4364
5143	18/ 4/86	52:39:54N	79	77	34.690	4.80+-38.4%	19.50+-6.4%	4.1	4365
5144	18/ 4/86	52:40:9N	20	3	33.406	ND	27.80+-3.0%		4366
5144	18/ 4/86	52:40:9N	20	18	33.916	ND	34.90+-2.5%		4367
5145	18/ 4/86	52:25:0N	29	3	34.219	ND	34.80+-2.6%		4368
5146	18/ 4/86	52:10:0N	31	3	33.934	4.10+-50.6%	29.78+-4.6%	7.3	4369
5146	18/ 4/86	52:10:0N	31	28	34.040	ND	31.37+-3.2%		4370
5147	18/ 4/86	52:9:48N	60	3	34.585	5.32+-41.4%	17.79+-8.0%	3.3	4371
5147	18/ 4/86	52:9:48N	60	58	34.666	ND	17.55+-5.5%		4372
5148	18/ 4/86	52:0:0N	50	3	34.601	4.77+-44.9%	17.79+-7.8%	3.7	4373
5149	19/ 4/86	51:30:3N	115	3	34.835	4.18+-51.3%	4.89+-28.0%	1.2	4374
5149	19/ 4/86	51:30:3N	115	111	35.169	ND	6.18+-14.5%		4375
5150	19/ 4/86	51:0:0N	93	3	35.192	ND	6.22+-14.0%		4376
5150	19/ 4/86	51:0:0N	93	91	35.305	ND	7.73+-11.5%		4377
5151	19/ 4/86	50:30:3N	106	3	35.305	ND	6.95+-9.4%		4378
5151	19/ 4/86	50:30:3N	106	104	35.326	ND	7.18+-8.9%		4379
5152	19/ 4/86	51:0:0N	98	3	35.062	ND	5.40+-11.1%		4380
5153	19/ 4/86	51:0:12N	101	3	35.237	ND	5.32+-11.8%		4381
5153	19/ 4/86	51:0:12N	101	99	35.255	ND	5.10+-12.3%		4382
5154	20/ 4/86	51:24:42N	90	3	34.934	ND	7.85+-8.1%		4383

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
5154	20/ 4/86	51:24:42N 8:59: 3W	90	35.199	ND	6.36+- 9.9%		4384
5155	20/ 4/86	51:30: 0N 8: 0: 0W	86	35.175	ND	6.01+-10.5%		4385
5156	20/ 4/86	51:30: 0N 6:59:54W	75	35.214	ND	5.65+-10.7%		4386
5156	20/ 4/86	51:30: 0N 6:59:54W	75	35.221	ND	5.72+-10.6%		4387
5157	20/ 4/86	52: 0:12N 6:59:51W	56	34.503	ND	7.11+- 9.0%		4388
5157	20/ 4/86	52: 0:12N 6:59:51W	56	35.006	ND	6.69+-10.1%		4389
5158	20/ 4/86	52:10: 0N 6:14:42W	46	34.628	ND	33.80+- 2.8%		4390
5158	20/ 4/86	52:10: 0N 6:14:42W	46	34.774	5.22+-41.9%	23.30+- 6.1%	4.5	4391
5159	20/ 4/86	52: 0:24N 5:59:18W	97	34.685	ND	7.79+-11.4%		4392
5159	20/ 4/86	52: 0:24N 5:59:18W	97	34.954	ND	7.50+-11.9%		4393
5160	20/ 4/86	52:10: 0N 5:43:12W	98	34.978	ND	7.65+-11.4%		4394
5161	20/ 4/86	52:25: 0N 6: 7: 6W	43	34.345	4.22+-51.3%	96.85+- 1.6%	22.9	4395
5162	20/ 4/86	52:39:54N 6: 0:21W	43	34.214	5.12+-40.5%	157.65+- 1.0%	30.8	4396
5162	20/ 4/86	52:39:54N 6: 0:21W	43	34.239	6.33+-33.4%	158.69+- 1.0%	25.1	4397
5163	21/ 4/86	52:40:15N 5:28: 0W	74	34.549	5.28+-40.1%	85.61+- 1.7%	16.2	4398
5163	21/ 4/86	52:40:15N 5:28: 0W	74	34.620	ND	66.36+- 1.6%		4399
5164	21/ 4/86	53: 0: 0N 5:45:54W	20	33.960	9.12+-23.6%	244.02+- 0.7%	26.8	4400
5165	21/ 4/86	53:20:18N 5:30:12W	95	34.179	10.72+-20.0%	235.21+- 0.7%	21.9	4401
5165	21/ 4/86	53:20:18N 5:30:12W	95	34.613	ND	83.91+- 1.3%		4402
5166	21/ 4/86	53:20: 6N 5:54: 9W	37	33.964	9.68+-23.1%	263.55+- 0.7%	27.2	4403
5166	21/ 4/86	53:20: 6N 5:54: 9W	37	33.973	10.40+-24.8%	267.75+- 0.8%	25.7	4404
5167	21/ 4/86	53:40: 0N 6: 5:18W	21	33.871	12.72+-17.2%	268.81+- 0.7%	21.1	4405
5167	21/ 4/86	53:40: 0N 6: 5:18W	21	33.912	12.74+-20.5%	270.22+- 0.8%	21.2	4406
5168	21/ 4/86	53:40: 0N 5:48:24W	63	34.185	9.34+-23.2%	240.52+- 0.7%	25.8	4407
5168	21/ 4/86	53:40: 0N 5:48:24W	63	34.258	4.52+-44.8%	217.15+- 0.7%	48.1	4408
5169	21/ 4/86	53:59:54N 5:59:54W	18	33.864	11.16+-16.5%	273.19+- 0.6%	24.5	4409
5170	21/ 4/86	53:59:54N 5:35: 6W	89	34.140	8.55+-20.4%	249.72+- 0.6%	29.2	4410
5170	21/ 4/86	53:59:54N 5:35: 6W	89	34.393	5.84+-30.0%	171.35+- 0.8%	29.4	4411
5171	21/ 4/86	54:10: 9N 5:48:54W	20	33.976	7.93+-21.7%	274.11+- 0.5%	34.6	4412
5171	21/ 4/86	54:10: 9N 5:48:54W	20	33.979	8.38+-21.5%	275.72+- 0.5%	32.9	4413

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
5172	21/ 4/86	54:19:51N	78	3	34.055	8.83+-20.1%	261.86+-	0.6%	4414
5172	21/ 4/86	54:19:51N	78	76	34.141	7.19+-24.4%	249.06+-	0.6%	4415
5173	21/ 4/86	54:30: 3N	141	3	34.118	9.07+-18.7%	256.77+-	0.5%	4416
5173	21/ 4/86	54:30: 3N	141	138	34.422	5.24+-32.9%	148.60+-	0.9%	4417
5174	21/ 4/86	54:40:30N	71	3	33.913	11.00+-19.4%	296.98+-	0.6%	4418
5174	21/ 4/86	54:40:30N	71	69	34.046	9.28+-24.4%	265.96+-	0.7%	4419
5175	22/ 4/86	54:39:48N	149	3	34.082	11.41+-19.7%	256.50+-	0.7%	4420
5175	22/ 4/86	54:39:48N	149	147	34.285	10.42+-22.4%	202.53+-	0.9%	4421
5176	22/ 4/86	54:50: 0N	117	3	33.949	13.43+-15.9%	296.06+-	0.6%	4422
5177	22/ 4/86	54:50: 0N	153	3	33.878	9.78+-22.1%	311.94+-	0.6%	4423
5178	22/ 4/86	54:59:54N	71	3	33.812	11.09+-19.1%	272.82+-	0.6%	4424
5178	22/ 4/86	54:59:54N	71	69	33.933	7.73+-27.5%	267.17+-	0.7%	4425
5179	22/ 4/86	54:59:51N	143	3	33.759	12.83+-17.6%	292.92+-	0.6%	4426
5179	22/ 4/86	54:59:51N	143	137	34.037	13.39+-17.2%	277.27+-	0.7%	4427
5180	22/ 4/86	54:59:45N	78	3	34.073	11.85+-12.1%	250.86+-	0.5%	4428
5180	22/ 4/86	54:59:45N	78	76	34.089	10.38+-14.2%	246.20+-	0.5%	4429
5181	22/ 4/86	55: 9:48N	141	3	34.202	6.69+-21.3%	192.31+-	0.6%	4430
5181	22/ 4/86	55: 9:48N	141	138	34.195	7.80+-18.3%	194.69+-	0.6%	4431
5182	22/ 4/86	55:20: 0N	123	3	33.818	10.63+-13.7%	247.12+-	0.5%	4432
5183	22/ 4/86	55:30: 3N	92	3	33.787	9.09+-15.3%	248.79+-	0.5%	4433
5183	22/ 4/86	55:30: 3N	92	90	34.046	9.60+-15.1%	204.16+-	0.6%	4434
5184	22/ 4/86	55:30: 0N	63	3	34.336	8.62+-16.2%	131.68+-	0.8%	4435
5184	22/ 4/86	55:30: 0N	63	61	34.345	6.15+-22.9%	134.26+-	0.8%	4436
5185	22/ 4/86	55:29:57N	77	3	35.350	ND	6.03+-10.3%		4437
5185	22/ 4/86	55:29:57N	77	75	35.325	ND	3.78+-13.3%		4438
5186	22/ 4/86	55:59:54N	143	3	35.383	ND	4.08+-12.5%		4439
5186	22/ 4/86	55:59:54N	143	141	35.390	ND	3.64+-14.6%		4440
5187	23/ 4/86	56: 0: 6N	69	3	34.410	3.31+-36.1%	128.31+-	0.7%	4441
5187	23/ 4/86	56: 0: 6N	69	67	34.743	4.36+-27.2%	81.62+-	1.1%	4442
5188	23/ 4/86	56:59:57N	51	3	34.105	9.32+-12.8%	186.04+-	0.5%	4443

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
5188	23/ 4/86	56:59:57N	51	49	34.104	7.42+-17.0%	187.43+-	0.5%	4444
5189	23/ 4/86	56:30: 0N	79	3	34.560	3.10+-37.7%	98.66+-	0.9%	4445
5189	23/ 4/86	56:30: 0N	79	77	35.216	2.00+-59.1%	24.12+-	3.4%	4446
5190	23/ 4/86	56:30: 6N	151	3	35.092	3.83+-30.3%	34.31+-	2.4%	4447
5190	23/ 4/86	56:30: 6N	151	148	35.270	ND	15.39+-	2.9%	4448
5191	23/ 4/86	57: 0: 0N	135	3	34.735	ND	70.32+-	0.7%	4449
5191	23/ 4/86	57: 0: 0N	135	133	35.205	ND	21.16+-	2.3%	4450
5192	23/ 4/86	57:30: 0N	110	3	34.552	4.38+-22.9%	92.36+-	0.8%	4451
5193	24/ 4/86	57:59:45N	59	3	34.494	4.74+-20.7%	96.79+-	0.8%	4452
5193	24/ 4/86	57:59:45N	59	57	34.496	2.06+-49.2%	94.61+-	0.8%	4453
5194	24/ 4/86	58:29:57N	95	3	34.993	2.34+-41.6%	40.56+-	1.7%	4454
5194	24/ 4/86	58:29:57N	95	93	35.203	ND	19.42+-	2.3%	4455
5195	24/ 4/86	58:40: 0N	71	3	34.509	5.27+-23.8%	87.78+-	1.0%	4456
5195	24/ 4/86	58:40: 0N	71	68	34.495	ND	84.04+-	0.6%	4457
5196	24/ 4/86	58:59:54N	74	3	34.647	3.75+-34.6%	73.85+-	1.2%	4458
5196	24/ 4/86	58:59:54N	74	72	35.010	ND	38.66+-	1.6%	4459
5197	24/ 4/86	58:59:54N	67	3	34.825	ND	55.99+-	1.2%	4460
5197	24/ 4/86	58:59:54N	67	65	34.960	ND	41.43+-	1.5%	4461
5198	24/ 4/86	58:37: 6N	67	3	34.534	2.30+-58.8%	77.64+-	1.2%	4462
5198	24/ 4/86	58:37: 6N	67	65	34.529	ND	75.13+-	1.1%	4463
5199	24/ 4/86	58:40: 0N	81	3	34.750	4.03+-33.4%	62.21+-	1.5%	4464
5199	24/ 4/86	58:40: 0N	81	79	34.747	3.62+-44.1%	62.37+-	1.8%	4465
5200	24/ 4/86	59: 0: 3N	79	3	34.596	3.41+-44.4%	72.71+-	1.4%	4466
5200	24/ 4/86	59: 0: 3N	79	77	34.934	3.61+-44.2%	44.36+-	2.3%	4467
5201	25/ 4/86	59:30: 0N	120	3	35.318	ND	7.75+-	7.9%	4468
5201	25/ 4/86	59:30: 0N	120	118	35.274	ND	10.17+-	6.2%	4469
5202	25/ 4/86	59:30: 3N	73	3	34.884	ND	47.01+-	1.4%	4470
5202	25/ 4/86	59:30: 3N	73	71	34.894	ND	45.65+-	1.5%	4471
5203	25/ 4/86	59:10:27N	38	3	34.815	2.85+-52.7%	54.65+-	1.8%	4472
5203	25/ 4/86	59:10:27N	38	36	34.817	4.86+-32.2%	55.78+-	1.9%	4473

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
5204	26/ 4/86	60: 0:15N	4: 0: 0W	133	3	35.329	4.58+-21.3%	0.8	4474
5204	26/ 4/86	60: 0:15N	4: 0: 0W	133	129	35.309	4.46+-21.5%	1.0	4475
5205	26/ 4/86	60: 0: 3N	2:59:39W	104	3	35.285	8.80+- 7.3%		4476
5205	26/ 4/86	60: 0: 3N	2:59:39W	104	102	35.249	11.96+- 5.5%		4477
5206	27/ 4/86	60:30: 9N	3: 0:39W	201	3	35.316	2.42+-25.3%		4478
5206	27/ 4/86	60:30: 9N	3: 0:39W	201	199	35.280	7.78+- 9.3%		4479
5207	27/ 4/86	60:30:12N	3:59:57W	555	3	35.329	2.78+-21.6%		4480
5207	27/ 4/86	60:30:12N	3:59:57W	555	300	35.322	3.10+-19.7%		4481
5208	27/ 4/86	61: 0:27N	4: 0: 0W	1140	3	35.265	2.88+-21.3%		4482
5208	27/ 4/86	61: 0:27N	4: 0: 0W	1140	300	35.127	3.63+-18.3%		4483
5209	27/ 4/86	61: 0:24N	3: 0: 6W	720	3	35.245	3.83+-16.0%		4484
5209	27/ 4/86	61: 0:24N	3: 0: 6W	720	300	35.009	2.95+-21.3%		4485
5210	27/ 4/86	61: 0:15N	1:59:51W	247	3	35.324	3.15+-19.1%		4486
5210	27/ 4/86	61: 0:15N	1:59:51W	247	243	35.313	4.47+-16.9%		4487
5211	27/ 4/86	61: 0: 3N	0:59:30W	126	3	35.322	4.51+-13.7%		4488
5211	27/ 4/86	61: 0: 3N	0:59:30W	126	122	35.284	7.90+- 8.1%		4489
5212	28/ 4/86	60:30:21N	1:59:54W	131	3	35.292	6.74+- 9.0%		4490
5212	28/ 4/86	60:30:21N	1:59:54W	131	129	35.181	17.99+- 3.7%		4491
5213	28/ 4/86	60: 0: 0N	1:59:45W	89	3	35.164	19.07+- 3.3%		4492
5213	28/ 4/86	60: 0: 0N	1:59:45W	89	85	35.167	19.35+- 3.3%		4493
5214	28/ 4/86	59:29:45N	1:59:39W	109	3	35.024	31.65+- 2.1%		4494
5214	28/ 4/86	59:29:45N	1:59:39W	109	105	35.052	28.11+- 2.5%		4495
5215	28/ 4/86	59: 0:15N	2: 0: 9W	77	3	34.961	38.92+- 1.7%		4496
5215	28/ 4/86	59: 0:15N	2: 0: 9W	77	72	34.953	39.79+- 1.8%		4497
5216	28/ 4/86	58:29:57N	2: 0:15W	101	3	34.692	68.06+- 2.2%		4498
5216	28/ 4/86	58:29:57N	2: 0:15W	101	98	34.748	62.66+- 2.4%		4499
5217	29/ 4/86	58: 0: 3N	1:59:45W	82	3	34.628	77.60+- 1.9%		4500
5217	29/ 4/86	58: 0: 3N	1:59:45W	82	80	34.658	72.18+- 2.1%		4501
5218	29/ 4/86	57:30: 6N	1: 0: 9W	87	3	34.649	70.15+- 0.8%		4502
5218	29/ 4/86	57:30: 6N	1: 0: 9W	87	85	34.649	66.43+- 0.9%		4503

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
5219	29/ 4/86	57: 0: 9N	68	3	34.705	ND	71.01+- 0.9%		4504
5219	29/ 4/86	57: 0: 9N	68	66	34.729	ND	70.88+- 0.8%		4505
5220	29/ 4/86	56:30: 0N	67	3	34.728	ND	75.75+- 0.8%		4506
5221	29/ 4/86	56: 0: 0N	65	3	34.722	ND	91.82+- 0.9%		4507
5222	29/ 4/86	55:30: 0N	111	3	34.380	2.48+-53.3%	90.54+- 1.0%	36.6	4508
5223	30/ 4/86	55: 0: 0N	73	3	34.428	2.31+-55.8%	98.83+- 0.9%	42.9	4509
5224	30/ 4/86	54:30: 0N	58	3	34.691	ND	101.28+- 0.6%		4510
5225	30/ 4/86	54: 0: 0N	44	3	34.453	ND	111.02+- 0.6%		4511
5226	30/ 4/86	53:30: 0N	25	3	33.984	ND	103.08+- 0.8%		4512
5227	30/ 4/86	53: 0: 0N	25	3	33.500	ND	97.90+- 0.7%		4513
5228	30/ 4/86	52:31:42N	7	3	33.062	ND	96.32+- 0.8%		4514
<b>Site 39 Clione</b>									
11004	15/ 9/86	53:35:48N	65	3	NA	8.39+-18.4%	85.49+- 1.3%	10.2	4737
11004	15/ 9/86	53:35:48N	65	60	NA	11.05+-28.9%	97.55+- 2.3%	8.8	4738
11007	15/ 9/86	53:46:36N	60	3	NA	18.04+- 8.7%	163.89+- 0.8%	9.1	4739
11007	15/ 9/86	53:46:36N	60	57	NA	16.60+-19.2%	169.64+- 1.4%	10.2	4740
11008	15/ 9/86	53:58: 6N	47	3	NA	23.04+- 6.9%	167.39+- 0.8%	7.3	4741
11008	15/ 9/86	53:58: 6N	47	44	NA	21.55+-15.7%	193.49+- 1.3%	9.0	4742
11010	15/ 9/86	54:19:54N	28	3	NA	31.67+- 5.1%	315.46+- 0.5%	10.0	4743
11010	15/ 9/86	54:19:54N	28	25	NA	33.29+- 9.6%	318.42+- 0.8%	9.6	4744
11011	15/ 9/86	54:23: 0N	41	3	NA	36.44+- 4.7%	388.35+- 0.4%	10.7	4745
11011	15/ 9/86	54:23: 0N	41	38	NA	45.27+- 7.0%	422.67+- 0.6%	9.3	4746
11013	15/ 9/86	54:27:42N	34	3	NA	39.22+- 4.3%	410.66+- 0.4%	10.5	4747
11013	15/ 9/86	54:27:42N	34	31	NA	40.82+- 7.8%	438.95+- 0.6%	10.8	4748
11014	15/ 9/86	54:26:24N	26	3	NA	47.30+- 3.7%	595.99+- 0.3%	12.6	4749
11014	15/ 9/86	54:29:24N	26	23	NA	46.17+- 7.7%	605.44+- 0.5%	13.1	4750
11015	16/ 9/86	54:38:42N	24	3	NA	39.74+- 4.5%	483.51+- 0.4%	12.2	4751
11015	16/ 9/86	54:38:42N	24	21	NA	41.85+- 8.0%	468.27+- 0.6%	11.2	4752

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
11016	16/ 9/86	54:26: 0N	31	3	NA	43.35+- 4.1%	551.35+- 0.3%	12.7	4753
11016	16/ 9/86	54:26: 0N	31	28	NA	46.67+- 6.9%	494.77+- 0.6%	10.6	4754
11024	17/ 9/86	54:35:36N	57	3	NA	28.74+- 5.8%	251.11+- 0.6%	8.7	4755
11025	17/ 9/86	54:29:54N	52	3	NA	24.68+- 6.8%	233.19+- 0.6%	9.4	4756
<b>Site 39 Clione</b>									
12501	26/10/86	54:33:59N		3	NA	43.40+- 3.9%	697.18+- 0.3%	16.1	5441
12502	26/10/86	54:29:30N		3	NA	48.21+- 6.9%	936.43+- 0.4%	19.4	5443
12505	26/10/86	54:27:18N		3	NA	45.23+- 5.8%	705.88+- 0.4%	15.6	5445
12507	26/10/86	54:35: 6N		3	NA	26.99+- 6.3%	267.84+- 0.6%	9.9	5447
12508	26/10/86	54:30: 0N		3	NA	24.63+- 9.5%	283.22+- 0.7%	11.5	5448
12509	26/10/86	54:22:42N		3	NA	28.83+- 5.8%	322.80+- 0.5%	11.2	5449
12510	26/10/86	54:19:18N		3	NA	23.60+-14.2%	196.50+- 1.4%	8.3	5451
12511	27/10/86	53:55:24N		3	NA	5.91+-56.7%	4.44+-51.3%	0.8	5452
12512	27/10/86	53:45:30N		3	NA	8.54+-37.5%	11.52+-19.6%	1.3	5453
12513	27/10/86	53:36:12N		3	NA	13.61+-24.6%	114.28+- 2.2%	8.4	5454
<b>Site 41 G.A. Reay</b>									
1001	20/ 7/86	59: 8:42N		3	35.112	12.12+-10.8%	46.57+- 2.3%	3.8	3228
1002	21/ 7/86	65: 1: 0N		3	34.995	17.61+- 7.4%	36.74+- 3.0%	2.1	3229
1003	23/ 7/86	70:21: 0N		3	35.146	10.74+-11.9%	27.28+- 3.8%	2.5	3230
1004	24/ 7/86	75: 0: 0N		3	34.645	ND	7.50+- 8.9%		3231
1005	1/ 8/86	78:29:53N		3	30.154	ND	11.17+- 5.7%		3232
1006	1/ 8/86	78:10:24N		3	31.059	2.23+-55.9%	10.21+- 9.8%	4.6	3233
1007	2/ 8/86	78: 3: 0N		3	34.859	ND	13.80+- 4.8%		3234
1008	5/ 8/86	79: 5:30N		3	31.464	ND	10.81+- 5.9%		3235
1009	5/ 8/86	78:52: 6N		3	34.955	3.12+-41.0%	14.07+- 7.3%	4.5	3236
1010	6/ 8/86	77:32:12N		3	34.762	ND	6.90+- 9.2%		3237

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
1011	8/ 8/86	72:22: 0N	3:16: 0E	3	25.462	ND	11.53+- 5.7%		3238
1012	14/ 8/86	67:30: 0N	1: 9:12E	3	31.499	29.14+- 4.5%	54.13+- 2.3%	1.9	3239
1013	11/ 8/86	61:39:36N	0:22:12E	3	30.703	2.40+-52.6%	17.10+- 5.9%	7.1	3240
Site 41 G.A. Reay									
2001	26/ 6/86	59:14: 0N	2:29:18E	3	34.964	14.71+-10.5%	39.67+- 3.1%	2.7	4570
2002	26/ 6/86	59:44:55N	2:28:52E	3	34.956	15.30+- 9.6%	37.50+- 3.1%	2.5	4571
2003	29/ 6/86	60:15: 0N	2:24:12E	3	33.324	26.41+- 5.7%	67.96+- 1.9%	2.6	4572
2004	29/ 6/86	60:45: 6N	2:23:36E	3	35.126	21.80+- 6.5%	42.63+- 2.7%	2.0	4573
2005	29/ 6/86	60:44:48N	1:27:24E	3	35.172	33.76+- 4.5%	57.63+- 2.3%	1.7	4574
2006	29/ 6/86	60:44:30N	0:30:18E	3	35.229	42.28+- 3.4%	73.97+- 1.9%	1.7	4575
Site 51 Challenger									
1001	4/ 6/86	54:35: 0N	4:21: 0W	53	33.776	67.78+- 8.3%	405.43+- 1.3%	6.0	2272
1001	4/ 6/86	54:35: 0N	4:21: 0W	53	33.979	61.57+- 8.8%	347.33+- 1.5%	5.6	2273
1002	5/ 6/86	54:30: 0N	4:22: 0W	48	34.017	50.97+-10.9%	301.70+- 1.7%	5.9	2274
1002	5/ 6/86	54:30: 0N	4:22: 0W	48	34.167	32.00+-16.5%	247.12+- 1.9%	7.7	2275
1003	4/ 6/86	54:30: 0N	3:42: 0W	24	31.695	96.34+- 5.9%	840.24+- 0.7%	8.7	2276
1003	4/ 6/86	54:30: 0N	3:42: 0W	24	33.283	77.82+- 6.9%	605.34+- 0.9%	7.8	2277
1004	4/ 6/86	54:27: 0N	3:50: 0W	31	32.076	113.18+- 5.1%	860.23+- 0.8%	7.6	2278
1004	4/ 6/86	54:27: 0N	3:50: 0W	31	33.477	77.75+- 8.0%	552.68+- 1.1%	7.1	2279
1005	3/ 6/86	54:23: 0N	4: 4: 0W	40	33.304	75.44+- 8.3%	587.78+- 1.1%	7.8	2281
1005	4/ 6/86	54:23: 0N	4: 4: 0W	40	33.935	49.41+-11.2%	340.58+- 1.5%	6.9	2280
1006	3/ 6/86	54:19:18N	4:13:54W	25	34.236	32.27+-15.5%	224.40+- 2.0%	7.0	2282
1006	3/ 6/86	54:19:18N	4:13:54W	25	34.215	37.87+-14.1%	218.80+- 2.1%	5.8	2283
1007	3/ 6/86	53:58:24N	4:40: 6W	48	34.247	34.85+-15.2%	199.83+- 2.3%	5.7	2284
1007	3/ 6/86	53:58:24N	4:40: 6W	48	34.213	33.28+-16.8%	210.20+- 2.3%	6.3	2285
1008	3/ 6/86	53:46:36N	4:39: 0W	58	34.499	ND	90.67+- 3.2%		2337

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
1008	3/ 6/86	53:46:36N	58	55	34.524	NA	NA		2286
1009	3/ 6/86	53:36: 6N	74	3	34.298	ND	70.15+-	4.3%	2287
1009	3/ 6/86	53:36: 6N	74	70	34.477	ND	70.28+-	4.4%	2288
<b>Site 51 Challenger</b>									
2001	24/ 8/86	54:34:48N	48	3	33.944	35.04+-	292.58+-	0.5%	3635
2001	24/ 8/86	54:34:48N	48	40	34.021	33.84+-	286.11+-	0.8%	3636
2003	23/ 8/86	54:29:36N	22	3	32.837	63.44+-	775.39+-	0.3%	3637
2003	23/ 8/86	54:29:36N	22	15	32.903	54.82+-	580.07+-	0.5%	3638
2004	23/ 8/86	54:27:12N	33	3	32.965	56.93+-	741.07+-	0.3%	3639
2004	23/ 8/86	54:27:12N	33	28	34.342	53.03+-	517.88+-	0.5%	3640
2005	23/ 8/86	54:22:36N	38	3	33.437	52.30+-	557.76+-	0.3%	3641
2005	23/ 8/86	54:22:36N	38	35	33.477	72.81+-	854.52+-	0.4%	3642
2006	23/ 8/86	54:19:12N	26	3	33.495	45.02+-	495.51+-	0.3%	3643
2006	23/ 8/86	54:19:12N	26	25	33.952	36.14+-	309.53+-	0.8%	3644
2007	23/ 8/86	53:58:30N	53	3	34.277	16.17+-	151.21+-	0.8%	3645
2007	23/ 8/86	53:58:30N	53	50	34.246	19.00+-	172.62+-	1.3%	3646
2008	24/ 8/86	53:47: 0N	82	3	34.296	14.78+-	124.08+-	0.9%	3647
2008	24/ 8/86	53:47: 0N	82	80	34.296	18.38+-	145.04+-	1.5%	3648
2009	22/ 8/86	53:35:42N	80	3	34.339	9.10+-	71.94+-	1.6%	3649
2009	22/ 8/86	53:35:42N	80	72	33.562	15.06+-	103.41+-	2.5%	3650
2010	24/ 8/86	54:38:36N	56	3	33.729	38.49+-	376.10+-	0.4%	3651
2010	24/ 8/86	54:38:36N	56	50	33.753	42.26+-	422.32+-	0.6%	3652
<b>Site 38 Cirolana</b>									
6050	26/ 6/87	63:39:31N	1498	3	35.147	ND	2.38+-	28.7%	6822
6050	26/ 6/87	63:39:31N	1498	100	35.514	ND	1.64+-	45.7%	6823
6050	26/ 6/87	63:39:31N	1498	751	34.866	ND	ND		6824

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
6050	26/ 6/87	63:39:31N 37: 1:18W	1498	1418	34.774	ND	ND		6825
6059	27/ 6/87	63:21:54N 36: 3: 6W	2206	3	34.905	ND	1.17+-59.5%		6828
6059	27/ 6/87	63:21:54N 36: 3: 6W	2206	200	34.829	ND	ND		6829
6059	27/ 6/87	63:21:54N 36: 3: 6W	2206	1200	35.900	ND	ND		6830
6059	27/ 6/87	63:21:54N 36: 3: 6W	2206	2197	34.974	ND	1.70+-41.0%		6831
6130	10/ 7/87	54:38:30N 4:22: 0W	60	3	33.505	15.50+-11.1%	274.80+- 0.4%	17.7	6856
6130	10/ 7/87	54:38:30N 4:22: 0W	60	55	33.412	17.50+- 9.7%	312.80+- 0.4%	17.9	6857
6132	10/ 7/87	54:35: 6N 4:21: 6W	57	3	33.824	18.20+-10.6%	215.70+- 0.5%	11.9	6858
6132	10/ 7/87	54:35: 6N 4:21: 6W	57	52	33.827	11.50+-15.1%	211.20+- 0.5%	18.4	6859
6133	10/ 7/87	54:30:12N 4:22:24W	53	3	34.068	13.40+-13.4%	163.00+- 0.6%	12.2	6860
6133	10/ 7/87	54:30:12N 4:22:24W	53	48	34.062	13.30+-13.6%	161.80+- 0.6%	12.2	6861
6134	10/ 7/87	54:19:18N 4:14:12W	28	3	34.071	13.60+-13.1%	148.40+- 0.6%	10.9	6862
6134	10/ 7/87	54:19:18N 4:14:12W	28	22	34.056	17.70+- 9.9%	150.10+- 0.6%	8.5	6863
6136	10/ 7/87	54:22:54N 4: 3: 0W	37	3	33.420	20.70+- 8.9%	314.30+- 0.4%	15.2	6864
6136	10/ 7/87	54:22:54N 4: 3: 0W	37	32	33.407	23.70+- 7.7%	382.10+- 0.3%	16.1	6865
6138	10/ 7/87	54:27:36N 3:48:12W	29	3	33.050	21.00+-12.9%	474.50+- 0.4%	22.6	6866
6138	10/ 7/87	54:27:36N 3:48:12W	29	24	33.343	20.50+-14.6%	408.10+- 0.4%	19.9	6867
6140	10/ 7/87	54:29:36N 3:41:42W	25	3	33.037	33.60+- 5.8%	515.00+- 0.3%	15.3	6868
6140	10/ 7/87	54:29:36N 3:41:42W	25	21	33.101	41.10+- 4.8%	536.50+- 0.3%	13.1	6869
6153	17/ 7/87	53:58:12N 4:40: 6W	49	3	34.176	13.90+-11.8%	105.70+- 0.8%	7.6	6870
6153	17/ 7/87	53:58:12N 4:40: 6W	49	44	34.256	13.70+-11.6%	106.40+- 0.8%	7.8	6871
6155	17/ 7/87	53:46:54N 4:39:18W	68	3	34.190	15.20+-11.1%	101.10+- 0.8%	6.7	6872
6155	17/ 7/87	53:46:54N 4:39:18W	68	63	34.209	14.80+-11.6%	101.20+- 0.8%	6.8	6873
6158	17/ 7/87	53:36: 6N 4:37:48W	77	3	34.153	15.60+-11.0%	93.10+- 0.9%	6.0	6874
6158	17/ 7/87	53:36: 6N 4:37:48W	77	72	NA	13.40+-11.2%	85.30+- 0.9%	6.4	6875
Site 38 Cirolana									
7001	11/ 8/87	52:37:30N 2: 7:36E	39	3	33.729	11.65+-15.4%	69.56+- 1.9%	6.0	6143
7003	11/ 8/87	52:51: 6N 2:25:18E	40	3	34.000	5.86+-29.5%	52.13+- 2.4%	8.9	6144

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7007	12/ 8/87	54: 5:48N	69	3	34.668	9.26+-18.6%	70.62+- 1.8%	7.6	6147
7008	12/ 8/87	54: 2:42N	86	3	34.715	10.03+-17.4%	67.32+- 1.9%	6.7	6151
7014	12/ 8/87	54: 0: 0N	53	3	34.400	11.93+-14.8%	67.46+- 1.9%	5.7	6152
7046	14/ 8/87	55: 0:30N	84	3	34.456	7.84+-22.2%	50.02+- 2.5%	6.4	6153
7053	15/ 8/87	57:14:36N	88	3	34.912	ND	18.94+- 4.1%		6158
7059	15/ 8/87	58: 0:12N	125	3	34.997	3.35+-51.7%	17.34+- 6.9%	5.2	6162
7063	16/ 8/87	58:16:30N	81	3	34.149	5.87+-29.8%	34.29+- 3.6%	5.8	6163
7067	16/ 8/87	57:50:42N	85	3	32.537	8.43+-20.9%	45.06+- 2.8%	5.3	6164
7071	17/ 8/87	58: 6:54N	181	3	32.684	5.03+-34.9%	42.27+- 2.9%	8.4	6165
7079	18/ 8/87	59:18: 6N	137	3	32.602	5.56+-31.4%	44.36+- 2.8%	8.0	6170
7085	18/ 8/87	60: 0: 0N	99	3	33.458	4.92+-34.9%	34.40+- 3.5%	7.0	6171
7091	19/ 8/87	60:40:42N	203	3	33.469	3.95+-43.7%	32.48+- 3.7%	8.2	6172
7097	20/ 8/87	61:28:30N	181	3	34.028	4.28+-40.5%	22.43+- 5.4%	5.2	6177
7104	21/ 8/87	60:36:24N	149	3	35.041	4.25+-41.6%	11.01+-11.0%	2.6	6178
7107	21/ 8/87	61: 0: 6N	125	3	35.253	ND	5.99+-12.6%		6179
7112	22/ 8/87	60:23:48N	138	3	33.833	ND	26.00+- 3.1%		6180
7117	22/ 8/87	60:26:18N	117	3	34.590	5.78+-30.5%	13.66+- 8.8%	2.4	6181
7124	23/ 8/87	59: 1:42N	74	3	34.844	3.47+-50.2%	30.87+- 3.9%	8.9	6183
7126	24/ 8/87	59: 5:24N	129	3	34.567	3.88+-44.9%	21.09+- 5.7%	5.4	6185
7128	24/ 8/87	59:11:54N	119	3	34.102	6.73+-26.7%	29.23+- 4.3%	4.3	6186
7140	25/ 8/87	58: 3:48N	73	3	34.905	3.31+-53.1%	17.18+- 7.0%	5.2	6191
7143	24/ 8/87	56:59:48N	73	3	34.876	ND	19.35+- 4.0%		6192
7143	24/ 8/87	56:59:48N	73	73	34.936	ND	20.10+- 3.8%		6193
7145	27/ 8/87	56:21:30N	69	3	34.613	ND	27.14+- 2.9%		6194
7153	28/ 8/87	56:59:54N	93	3	34.621	11.08+-15.4%	49.06+- 2.5%	4.4	6196
7153	28/ 8/87	56:59:54N	93	93	34.941	3.80+-46.5%	42.66+- 2.9%	11.2	6197
7156	29/ 8/87	56:39:18N	75	3	34.233	7.66+-22.4%	48.18+- 2.5%	6.3	6198
7157	29/ 8/87	56:45:42N	70	3	34.011	ND	43.52+- 1.9%		6201
7157	29/ 8/87	56:45:42N	70	70	34.900	7.97+-21.5%	63.53+- 1.9%	8.0	6202
7164	29/ 8/87	57: 0: 0N	63	3	33.767	4.63+-37.6%	48.06+- 2.6%	10.4	6203

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7164	29/ 8/87	57: 0: 0N	63	63	34.966	9.04+-19.4%	58.54+- 2.1%	6.5	6204
7167	30/ 8/87	56:47:48N	57	3	34.265	3.60+-48.7%	60.83+- 2.1%	16.9	6205
7169	30/ 8/87	56:45: 0N	37	3	34.290	ND	60.27+- 1.4%		6207
7169	30/ 8/87	56:45: 0N	37	37	34.352	ND	56.93+- 1.5%		6208
7171	30/ 8/87	56:36:12N	38	3	34.258	ND	54.60+- 1.5%		6209
7177	31/ 8/87	55: 1: 6N	44	3	33.579	ND	18.30+- 4.3%		6212
7178	31/ 8/87	55: 0: 6N	33	3	31.990	ND	16.94+- 4.6%		6215
7184	1/ 9/87	55:55:36N	45	3	33.829	ND	38.51+- 2.1%		6216
7189	1/ 9/87	55:36:54N	36	3	34.695	6.27+-27.4%	66.90+- 1.9%	10.7	6217
7196	2/ 9/87	55:50:30N	87	3	34.642	2.86+-59.9%	53.21+- 2.3%	18.6	6218
7201	3/ 9/87	55:56:12N	89	3	34.737	3.33+-51.4%	38.33+- 3.2%	11.5	6219
7207	4/ 9/87	54:56: 6N	78	3	34.432	7.52+-23.4%	65.67+- 1.9%	8.7	6221
7210	4/ 9/87	54:46:36N	60	3	34.422	ND	44.20+- 1.9%		6223
7217	5/ 9/87	54:42: 6N	37	3	34.649	7.27+-24.8%	70.52+- 1.8%	9.7	6224
7222	6/ 9/87	54:46:18N	43	3	34.469	6.76+-25.9%	73.61+- 1.7%	10.9	6225
7225	6/ 9/87	54: 0: 0N	38	3	34.109	6.80+-24.5%	59.00+- 2.1%	8.7	6226
7230	7/ 9/87	53:47:30N	43	3	34.195	8.20+-20.6%	75.10+- 1.7%	9.2	6227
7231	7/ 9/87	53:50: 0N	42	3	34.557	6.50+-25.8%	71.80+- 1.7%	11.0	6229
7238	8/ 9/87	53:18: 0N	35	3	NA	7.50+-21.7%	73.20+- 1.6%	9.8	6230
7241	8/ 9/87	53: 4:18N	34	3	NA	6.21+-27.7%	50.74+- 2.4%	8.2	6232
7246	9/ 9/87	52:33:36N	25	3	33.474	ND	7.44+- 9.0%		6234
7249	9/ 9/87	52:23: 6N	32	3	34.713	ND	5.44+-12.4%		6235
7250	9/ 9/87	52:29:48N	41	3	34.673	ND	9.83+- 6.8%		6237
Site 38 Cirolana									
8145	27/ 9/87	54:58: 0N	69	3	34.498	NA	NA	NA	6471
8145	27/ 9/87	54:58: 0N	69	66	34.574	NA	NA	NA	6473
8152	27/ 9/87	54:56: 0N	73	3	34.416	NA	NA	NA	6446
8152	27/ 9/87	54:56: 0N	73	70	34.511	NA	NA	NA	6448

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8166	27/ 9/87	54:54:18N	49	3	34.270	NA	NA		6426
8166	27/ 9/87	54:54:18N	49	46	34.426	NA	NA		6428
8186	27/ 9/87	54:53:30N	29	3	34.072	NA	NA		6418
8186	27/ 9/87	54:53:30N	29	26	34.131	NA	NA		6420
<i>Site 39 Clione</i>									
1011	13/ 1/87	54:30:36N	30	3	33.007	NA	NA		82
1011	13/ 1/87	54:30:36N	30	27	33.043	NA	NA		84
1013	13/ 1/87	54:25: 6N	22	3	32.444	NA	NA		86
1013	13/ 1/87	54:25: 6N	22	19	32.907	NA	NA		88
1015	13/ 1/87	54:23: 6N	24	3	32.429	NA	NA		90
1015	13/ 1/87	54:23: 6N	24	21	32.777	NA	NA		92
1017	13/ 1/87	54:20:54N	28	3	32.502	NA	NA		94
1017	13/ 1/87	54:20:54N	28	25	33.119	NA	NA		96
1019	14/ 1/87	54:29:30N	28	3	32.974	NA	NA		98
1019	14/ 1/87	54:29:30N	28	25	32.961	NA	NA		100
1021	14/ 1/87	54:33: 0N	28	25	32.854	NA	NA		104
1023	14/ 1/87	54:27:30N	33	3	33.021	NA	NA		106
1023	14/ 1/87	54:27:30N	33	3	33.034	25.19+- 6.3%	358.56+- 0.4%	14.2	156
1025	14/ 1/87	54:23: 6N	37	3	32.941	NA	NA		108
1025	14/ 1/87	54:23: 6N	37	3	32.928	27.14+- 5.8%	375.32+- 0.4%	13.8	157
1027	14/ 1/87	54:29:24N	23	3	32.868	25.23+- 6.0%	372.80+- 0.4%	14.8	158
1041	15/ 1/87	54:34:54N	49	3	33.333	27.93+- 5.7%	294.77+- 0.5%	10.6	159
1042	15/ 1/87	54:29:48N	40	3	33.656	34.02+- 4.8%	316.38+- 0.5%	9.3	160
1043	16/ 1/87	54:19:30N	27	3	33.366	27.10+- 5.9%	327.45+- 0.4%	12.1	161
1044	16/ 1/87	53:58:24N	47	3	33.932	27.81+- 8.0%	251.98+- 0.7%	9.1	162
1045	16/ 1/87	53:46:30N	71	3	34.180	21.61+- 7.3%	175.88+- 0.7%	8.1	163
1046	16/ 1/87	53:35:54N	71	3	34.226	15.19+-10.7%	146.54+- 0.8%	9.6	164

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
<i>Site 39 Clione</i>								
5001	7/ 4/87	52:25: 0N	14	NA	8.81+-20.1%	70.63+- 1.7%	8.0	2123
5002	7/ 4/87	52: 0: 0N	24	NA	ND	15.27+- 4.6%		2124
5003	7/ 4/87	51:30: 0N	29	NA	ND	4.25+-15.7%		2125
5004	8/ 4/87	51: 0: 0N	27	NA	ND	4.15+-16.2%		2126
5005	8/ 4/87	50:50:18N	35	NA	ND	5.59+-12.3%		2127
5006	8/ 4/87	50:32:12N	65	NA	ND	7.59+- 9.1%		2128
5007	8/ 4/87	50:25: 6N	35	NA	ND	3.95+-17.1%		2129
5008	8/ 4/87	50:17:30N	53	NA	ND	4.44+-15.6%		2130
5009	8/ 4/87	50: 9:54N	63	NA	ND	4.25+-16.8%		2131
5010	9/ 4/87	50: 2:18N	74	NA	ND	7.61+- 8.8%		2132
5011	9/ 4/87	49:55: 6N	81	NA	ND	ND		2133
5012	9/ 4/87	50: 0: 0N	69	NA	ND	10.50+- 6.5%		2134
5013	9/ 4/87	50:30: 0N	86	NA	ND	11.74+- 5.7%		2135
5014	9/ 4/87	51: 0: 0N	95	NA	ND	9.51+- 7.2%		2136
5015	9/ 4/87	51:30: 0N	112	NA	ND	11.22+- 6.1%		2137
5016	9/ 4/87	52: 0: 0N	95	NA	3.57+-46.4%	11.06+- 9.5%	3.1	2138
5017	10/ 4/87	52:10: 0N	46	NA	6.24+-26.1%	20.02+- 5.4%	3.2	2139
5018	10/ 4/87	52:10: 0N	46	NA	5.11+-31.2%	17.91+- 5.9%	3.5	2140
5018	10/ 4/87	52:10:36N	97	NA	3.88+-40.8%	13.78+- 7.6%	3.6	2141
5018	10/ 4/87	52:10:36N	97	NA	3.44+-49.0%	16.43+- 6.8%	4.8	2142
5019	10/ 4/87	52: 0: 0N	104	NA	3.73+-42.3%	12.08+- 8.6%	3.2	2143
5020	10/ 4/87	52: 0: 0N	57	NA	4.97+-32.7%	18.59+- 5.8%	3.7	2144
5021	10/ 4/87	52: 9:54N	61	NA	4.92+-35.0%	18.11+- 6.3%	3.7	2145
5021	10/ 4/87	52: 9:54N	61	NA	5.62+-29.0%	16.55+- 6.5%	2.9	2146
5022	10/ 4/87	52:10: 6N	33	NA	ND	37.62+- 1.9%		2147
5022	10/ 4/87	52:10: 6N	33	NA	ND	37.92+- 2.0%		2148
5023	10/ 4/87	52:25: 0N	28	NA	ND	55.54+- 1.4%		2149
5024	10/ 4/87	52:39:48N	19	NA	4.29+-36.3%	53.24+- 2.0%	12.4	2150

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
5024	10/ 4/87	52:39:48N	19	16	NA	4.38+-40.4%	54.63+- 2.2%	12.5	2151
5025	10/ 4/87	52:40:42N	77	3	NA	ND	31.64+- 2.2%		2152
5025	10/ 4/87	52:40:42N	77	72	NA	ND	26.50+- 2.8%		2153
5026	10/ 4/87	52:39:57N	73	3	NA	3.75+-41.4%	37.50+- 2.8%	10.0	2154
5026	10/ 4/87	52:39:57N	73	69	NA	ND	36.81+- 2.0%		2155
5027	10/ 4/87	52:39:48N	43	3	NA	9.52+-16.9%	98.54+- 1.2%	10.3	2156
5027	10/ 4/87	52:39:48N	43	40	NA	13.19+-12.6%	92.21+- 1.3%	7.0	2157
5028	11/ 4/87	53: 0: 0N	18	3	NA	17.23+- 9.5%	170.25+- 0.8%	9.9	2158
5029	11/ 4/87	53: 0: 3N	103	3	NA	6.20+-24.4%	62.26+- 1.7%	10.0	2159
5029	11/ 4/87	53: 0: 3N	103	100	NA	5.02+-32.6%	48.36+- 2.4%	9.6	2160
5030	11/ 4/87	53: 0: 0N	42	3	NA	4.26+-36.6%	39.09+- 2.8%	9.2	2161
5031	11/ 4/87	53:19:51N	52	3	NA	5.07+-31.7%	39.31+- 2.8%	7.8	2162
5031	11/ 4/87	53:19:51N	52	47	NA	3.91+-42.7%	40.51+- 2.9%	10.4	2163
5032	11/ 4/87	53:19:36N	114	3	NA	8.36+-23.0%	75.03+- 1.9%	9.0	2164
5032	11/ 4/87	53:19:36N	114	111	NA	4.85+-39.0%	35.05+- 3.7%	7.2	2165
5033	11/ 4/87	53:19:51N	34	3	NA	18.79+- 8.2%	210.16+- 0.6%	11.2	2166
5033	11/ 4/87	53:19:51N	34	31	NA	17.59+-15.9%	219.89+- 1.0%	12.5	2167
5034	11/ 4/87	53:40: 6N	18	3	NA	20.88+- 8.9%	227.23+- 0.7%	10.9	2168
5034	11/ 4/87	53:40: 6N	18	15	NA	17.91+-10.2%	224.14+- 0.7%	12.5	2169
5035	11/ 4/87	54: 0: 0N	17	3	NA	18.42+-10.2%	219.70+- 0.7%	11.9	2170
5036	11/ 4/87	54: 0: 0N	91	3	NA	18.02+- 8.8%	178.78+- 0.7%	9.9	2171
5037	11/ 4/87	53:39:51N	106	3	NA	13.19+-11.8%	154.06+- 0.8%	11.7	2172
5037	11/ 4/87	53:39:51N	106	102	NA	4.84+-31.6%	52.61+- 2.1%	10.9	2173
5038	12/ 4/87	53:39:48N	74	3	NA	5.19+-29.2%	54.64+- 2.0%	10.5	2174
5038	12/ 4/87	53:39:48N	74	71	NA	4.36+-37.5%	52.92+- 2.2%	12.2	2175
5039	12/ 4/87	54: 0: 0N	62	3	NA	11.23+-13.4%	94.18+- 1.2%	8.4	2176
5040	12/ 4/87	53:40:12N	77	3	NA	14.63+-10.9%	118.77+- 1.0%	8.1	2177
5040	12/ 4/87	53:40:12N	77	74	NA	11.75+-13.7%	120.53+- 1.0%	10.3	2178
5041	12/ 4/87	53:40: 0N	49	3	NA	16.22+- 9.8%	187.80+- 0.7%	11.6	2179
5041	12/ 4/87	53:40: 0N	49	46	NA	19.67+- 8.1%	201.49+- 0.7%	10.2	2180

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
5042	12/ 4/87	53:30: 6N	50	NA	16.58+-	152.80+-	0.9%	2181
5042	12/ 4/87	53:30: 6N	50	NA	18.66+-	154.48+-	0.8%	2182
5043	12/ 4/87	53:21: 6N	18	33.767	18.66+-	197.36+-	0.7%	2183
5044	12/ 4/87	53:29:54N	39	33.709	20.71+-	216.68+-	0.6%	2184
5044	12/ 4/87	53:29:54N	39	33.819	19.42+-	205.55+-	0.6%	2185
5045	12/ 4/87	53:25: 6N	13	31.922	24.31+-	388.00+-	0.4%	2186
5046	12/ 4/87	53:30: 0N	15	30.521	25.21+-	425.07+-	0.4%	2187
5047	12/ 4/87	53:40: 9N	30	32.412	21.70+-	351.37+-	0.4%	2188
5047	12/ 4/87	53:40: 9N	30	33.051	19.73+-	281.56+-	0.5%	2189
5048	12/ 4/87	53:50:12N	11	31.604	25.72+-	478.00+-	0.3%	2190
5048	12/ 4/87	53:50:12N	11	31.618	30.16+-	497.36+-	0.3%	2191
5049	12/ 4/87	53:50: 9N	44	33.489	18.12+-	214.61+-	0.6%	2192
5049	12/ 4/87	53:50: 9N	44	33.726	18.13+-	201.46+-	0.6%	2193
5050	12/ 4/87	53:50: 3N	55	34.246	13.86+-	126.40+-	1.0%	2194
5050	12/ 4/87	53:50: 3N	55	34.255	12.65+-	124.28+-	1.0%	2195
5051	13/ 4/87	53:59:57N	46	34.343	14.35+-	116.59+-	1.1%	2196
5051	13/ 4/87	53:59:57N	46	34.347	14.00+-	109.85+-	1.1%	2197
5052	13/ 4/87	54: 0: 0N	38	34.027	19.80+-	203.32+-	1.2%	2198
5052	13/ 4/87	54: 0: 0N	38	34.025	16.50+-	203.70+-	1.2%	2199
5053	13/ 4/87	54: 0: 6N	35	33.330	16.04+-	301.98+-	0.8%	2200
5053	13/ 4/87	54: 0: 6N	35	33.540	18.01+-	277.36+-	0.9%	2201
5054	13/ 4/87	54: 0: 0N	25	32.902	19.40+-	383.48+-	0.7%	2202
5054	13/ 4/87	54: 0: 0N	25	32.908	25.24+-	404.07+-	0.7%	2203
5055	13/ 4/87	53:59:54N	20	32.666	22.91+-	431.60+-	0.6%	2204
5055	13/ 4/87	53:59:54N	20	32.665	26.44+-	432.69+-	0.6%	2205
5056	13/ 4/87	54:10: 3N	32	33.515	20.56+-	286.76+-	0.8%	2206
5056	13/ 4/87	54:10: 3N	32	33.505	24.53+-	291.51+-	0.8%	2207
5057	13/ 4/87	54:10: 3N	29	33.664	24.89+-	278.39+-	0.9%	2208
5057	13/ 4/87	54:10: 3N	29	33.768	22.86+-	261.00+-	0.9%	2209
5058	13/ 4/87	54:10:12N	31	34.174	14.03+-	171.73+-	1.3%	2210

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.	
5058	13/ 4/87	54:10:12N	4: 7:54W	31	28	34.187	14.71+-25.8%	164.61+- 1.9%	11.2	2211
5059	13/ 4/87	54: 9:51N	4:24:45W	32	3	34.051	20.06+-19.7%	181.00+- 1.8%	9.0	2212
5059	13/ 4/87	54: 9:51N	4:24:45W	32	29	34.080	16.13+-23.9%	179.63+- 1.8%	11.1	2213
5060	13/ 4/87	54:19:54N	4: 8:18W	23	3	33.445	21.80+-17.7%	316.04+- 1.1%	14.5	2214
5060	13/ 4/87	54:19:54N	4: 8:18W	23	20	33.481	20.71+-19.2%	312.08+- 1.1%	15.1	2215
5061	13/ 4/87	54:20: 0N	3:50:54W	38	3	33.221	18.32+-28.3%	347.97+- 1.4%	19.0	2216
5061	13/ 4/87	54:20: 0N	3:50:54W	38	35	33.618	16.48+-31.5%	285.65+- 1.7%	17.3	2217
5062	13/ 4/87	54:17:45N	3:40:51W	33	3	33.318	29.11+-17.8%	322.64+- 1.5%	11.1	2218
5062	13/ 4/87	54:17:45N	3:40:51W	33	30	33.372	19.67+-27.0%	315.42+- 1.6%	16.0	2219
5063	13/ 4/87	54:20: 0N	3:34:54W	21	3	32.829	27.43+-19.5%	408.53+- 1.3%	14.9	2220
5063	13/ 4/87	54:20: 0N	3:34:54W	21	18	33.146	23.69+-16.2%	378.01+- 0.9%	16.0	2221
5064	13/ 4/87	54:24: 0N	3:37:57W	21	3	32.773	27.70+-18.9%	490.77+- 1.1%	17.7	2222
5064	13/ 4/87	54:24: 0N	3:37:57W	21	18	32.878	28.59+-13.6%	456.99+- 0.8%	16.0	2223
5065	13/ 4/87	54:21:57N	3:43: 3W	29	3	32.829	20.81+-17.8%	443.99+- 0.8%	21.3	2224
5065	13/ 4/87	54:21:57N	3:43: 3W	29	26	33.389	20.48+-18.6%	345.68+- 1.0%	16.9	2225
5066	13/ 4/87	54:26: 0N	3:46:48W	30	3	32.995	24.75+-16.1%	409.26+- 0.9%	16.5	2226
5066	13/ 4/87	54:26: 0N	3:46:48W	30	27	33.050	28.36+- 9.8%	401.78+- 0.7%	14.2	2227
5067	13/ 4/87	54:27:57N	3:39:51W	23	3	32.629	38.76+- 7.1%	536.23+- 0.5%	13.8	2228
5067	13/ 4/87	54:27:57N	3:39:51W	23	20	32.692	43.04+- 7.1%	537.08+- 0.6%	12.5	2229
5068	13/ 4/87	54:30: 0N	3:51:54W	35	3	33.131	23.20+-11.3%	370.41+- 0.7%	16.0	2230
5068	13/ 4/87	54:30: 0N	3:51:54W	35	32	33.253	20.81+-13.3%	353.81+- 0.7%	17.0	2231
5069	13/ 4/87	54:40:12N	3:51:45W	31	3	32.071	23.02+-11.3%	404.44+- 0.6%	17.6	2232
5069	13/ 4/87	54:40:12N	3:51:45W	31	28	32.866	20.43+-13.7%	385.08+- 0.7%	18.8	2233
5070	13/ 4/87	54:40: 0N	4: 9: 6W	47	3	32.563	19.47+-13.7%	385.46+- 0.6%	19.8	2234
5070	13/ 4/87	54:40: 0N	4: 9: 6W	47	44	33.052	18.40+-14.6%	364.86+- 0.7%	19.8	2235
5071	14/ 4/87	54:30: 9N	4: 9:15W	60	3	33.451	18.33+-14.3%	301.13+- 0.8%	16.4	2236
5071	14/ 4/87	54:30: 9N	4: 9:15W	60	56	33.467	29.73+-10.9%	315.21+- 0.8%	10.6	2237
5072	14/ 4/87	54:30: 6N	4:26:18W	51	3	33.644	20.51+- 7.9%	248.50+- 0.5%	12.1	2238
5072	14/ 4/87	54:30: 6N	4:26:18W	51	47	33.792	16.31+-10.3%	231.19+- 0.6%	14.2	2239
5073	14/ 4/87	54:39:27N	4:44:45W	23	3	33.107	14.18+-11.0%	263.87+- 0.5%	18.6	2240

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
5073	14/ 4/87	54:39:27N	23	33.122	14.79+-11.0%	269.25+-	0.5%	2241
5074	14/ 4/87	53:30: 0N	31	33.784	17.12+- 9.1%	212.85+-	0.6%	2242
5075	14/ 4/87	54:19:57N	30	34.330	8.02+-19.3%	113.44+-	1.0%	2243
5075	14/ 4/87	54:19:57N	30	34.323	8.26+-18.9%	117.48+-	1.0%	2244
5076	14/ 4/87	54: 9:51N	41	34.378	6.85+-22.7%	93.16+-	1.2%	2245
5076	14/ 4/87	54: 9:51N	41	34.388	8.29+-19.7%	94.10+-	1.3%	2246
5077	14/ 4/87	54: 9:54N	86	34.090	11.74+-13.2%	162.31+-	0.7%	2247
5077	14/ 4/87	54: 9:54N	86	34.365	10.87+-14.4%	112.14+-	1.0%	2248
5078	14/ 4/87	54:10: 3N	22	33.772	14.49+-11.1%	213.69+-	0.6%	2249
5078	14/ 4/87	54:10: 3N	22	33.844	13.73+-12.6%	188.57+-	0.7%	2250
5079	14/ 4/87	54:20: 0N	81	33.880	13.48+-12.0%	181.46+-	0.7%	2251
5080	14/ 4/87	54:20: 0N	132	34.227	9.51+-16.7%	131.90+-	0.9%	2252
5081	14/ 4/87	54:30: 3N	144	34.276	10.07+-15.8%	117.41+-	1.0%	2253
5081	14/ 4/87	54:30: 3N	144	34.514	5.18+-31.4%	70.46+-	1.6%	2254
5082	14/ 4/87	54:40:18N	113	34.038	11.92+-13.4%	149.34+-	0.8%	2255
5082	14/ 4/87	54:40:18N	113	34.037	10.21+-18.8%	160.38+-	0.9%	2256
5083	14/ 4/87	54:40: 9N	140	33.898	10.35+-16.1%	174.86+-	0.7%	2257
5083	14/ 4/87	54:40: 9N	140	34.244	7.48+-22.2%	123.72+-	1.0%	2258
5084	14/ 4/87	54:40:51N	36	33.810	15.63+-11.3%	185.99+-	0.7%	2259
5084	14/ 4/87	54:40:51N	36	33.833	14.48+-11.8%	185.18+-	0.7%	2260
5085	14/ 4/87	54:50: 0N	119	33.922	14.67+-11.5%	187.50+-	0.7%	2261
5086	14/ 4/87	54:49:54N	153	33.965	13.94+-11.8%	163.58+-	0.8%	2262
5087	14/ 4/87	55: 0: 0N	72	33.330	18.16+- 9.4%	221.93+-	0.6%	2263
5087	14/ 4/87	55: 0: 0N	72	33.762	16.18+-10.7%	195.19+-	0.7%	2264
5088	14/ 4/87	54:59:57N	141	33.594	19.26+- 8.5%	190.09+-	0.7%	2265
5088	14/ 4/87	54:59:57N	141	34.024	17.33+- 9.3%	166.48+-	0.7%	2266
5089	15/ 4/87	55: 0: 6N	83	33.878	16.41+- 9.8%	169.58+-	0.7%	2267
5089	15/ 4/87	55: 0: 6N	83	33.879	19.02+- 8.9%	191.62+-	0.7%	2268
5090	15/ 4/87	55:29:42N	92	33.825	20.57+- 7.8%	178.08+-	0.7%	2269
5090	15/ 4/87	55:29:42N	92	33.826	18.27+- 8.7%	181.43+-	0.7%	2270

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
5091	15/ 4/87	55:45: 0N	71	3	33.802	17.61+- 9.2%	174.27+- 0.7%	9.9	2271
5092	15/ 4/87	56: 0: 3N	67	3	33.984	11.74+-15.0%	152.25+- 0.9%	13.0	2272
5092	15/ 4/87	56: 0: 3N	67	60	34.479	6.09+-28.7%	75.97+- 1.6%	12.5	2273
5093	15/ 4/87	56: 0: 3N	139	3	35.253	ND	15.09+- 4.5%		2274
5093	15/ 4/87	56: 0: 3N	139	30	35.260	3.36+-47.7%	14.41+- 7.2%	4.3	2275
5093	15/ 4/87	56: 0: 3N	139	134	35.262	3.19+-51.7%	14.11+- 7.6%	4.4	2276
5094	15/ 4/87	56:30: 3N	153	3	34.875	4.30+-39.1%	38.23+- 2.9%	8.9	2277
5094	15/ 4/87	56:30: 3N	153	145	35.261	ND	12.23+- 5.7%		2278
5095	15/ 4/87	56:30: 9N	100	3	34.033	16.81+-10.0%	146.57+- 0.9%	8.7	2279
5095	15/ 4/87	56:30: 9N	100	30	34.396	13.71+-12.6%	100.57+- 1.2%	7.3	2280
5095	15/ 4/87	56:30: 9N	100	92	34.992	6.20+-27.1%	39.13+- 2.9%	6.3	2281
5096	15/ 4/87	56:59:42N	128	3	34.669	8.25+-19.7%	55.70+- 2.0%	6.7	2282
5096	15/ 4/87	56:59:42N	128	30	34.750	7.62+-21.4%	51.08+- 2.2%	6.7	2283
5096	15/ 4/87	56:59:42N	128	125	35.204	3.29+-49.7%	13.66+- 7.8%	4.1	2284
5097	16/ 4/87	57:30: 0N	133	3	34.599	7.49+-21.5%	49.54+- 2.2%	6.6	2285
5098	16/ 4/87	58: 0: 3N	62	3	34.501	6.70+-24.7%	54.86+- 2.0%	8.2	2286
5098	16/ 4/87	58: 0: 3N	62	56	34.501	6.62+-26.0%	56.26+- 2.1%	8.5	2287
5099	17/ 4/87	58:30: 9N	95	3	34.501	8.60+-19.5%	45.47+- 2.5%	5.3	2288
5099	17/ 4/87	58:30: 9N	95	88	34.890	3.66+-44.9%	27.13+- 4.0%	7.4	2289
5100	17/ 4/87	58:29:51N	135	3	34.534	7.57+-21.8%	44.94+- 2.5%	5.9	2290
5100	17/ 4/87	58:29:51N	135	30	34.545	9.70+-18.6%	45.87+- 2.6%	4.7	2291
5100	17/ 4/87	58:29:51N	135	129	35.085	3.50+-46.5%	13.74+- 7.6%	3.9	2292
5101	17/ 4/87	58:29:45N	44	3	34.393	10.63+-15.3%	42.06+- 2.6%	4.0	2293
5101	17/ 4/87	58:29:45N	44	41	34.404	8.38+-20.2%	42.47+- 2.7%	5.1	2294
5102	17/ 4/87	59: 0: 6N	78	3	34.894	5.35+-31.5%	22.82+- 4.8%	4.3	2295
5102	17/ 4/87	59: 0: 6N	78	71	34.894	6.48+-25.2%	20.51+- 5.2%	3.2	2296
5103	17/ 4/87	59: 0: 9N	85	3	35.109	3.97+-40.3%	13.65+- 7.6%	3.4	2297
5103	17/ 4/87	59: 0: 9N	85	30	35.170	ND	12.35+- 5.7%		2298
5103	17/ 4/87	59: 0: 9N	85	80	35.190	ND	9.12+- 7.8%		2299
5104	18/ 4/87	58:59:48N	192	3	35.340	ND	2.32+-29.7%		2300

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
5104	18/ 4/87	58:59:48N	192	187	35.313	ND	3.46+-19.5%		2301
5105	18/ 4/87	58:30: 3N	73	3	34.950	ND	19.50+- 3.7%		2302
5105	18/ 4/87	58:30: 3N	73	30	35.022	ND	17.03+- 4.0%		2303
5105	18/ 4/87	58:30: 3N	73	64	35.045	ND	17.85+- 4.0%		2304
5106	18/ 4/87	58:30: 9N	156	3	35.355	ND	1.61+-40.4%		2305
5106	18/ 4/87	58:30: 9N	156	150	35.343	ND	3.06+-21.0%		2306
5107	18/ 4/87	58: 0:18N	80	3	35.024	ND	22.36+- 3.2%		2307
5107	18/ 4/87	58: 0:18N	80	30	35.088	ND	16.56+- 4.2%		2308
5107	18/ 4/87	58: 0:18N	80	72	35.104	ND	15.26+- 4.6%		2309
5108	18/ 4/87	58: 0: 9N	169	3	35.354	ND	ND		2310
5108	18/ 4/87	58: 0: 9N	169	164	35.352	ND	1.29+-50.4%		2311
5109	18/ 4/87	57:30:15N	141	3	35.358	ND	1.24+-54.8%		2312
5109	18/ 4/87	57:30:15N	141	30	35.359	ND	1.97+-33.2%		2313
5109	18/ 4/87	57:30:15N	141	134	35.347	ND	2.54+-26.3%		2314
5110	19/ 4/87	57: 0:21N	134	3	35.359	ND	1.72+-40.8%		2315
5110	19/ 4/87	57: 0:21N	134	127	35.358	ND	2.95+-22.7%		2316
5111	19/ 4/87	56:30: 0N	140	3	35.368	ND	ND		2317
5112	19/ 4/87	56: 0: 0N	153	3	35.379	ND	ND		2318
5113	19/ 4/87	55:30: 6N	95	3	35.381	ND	1.54+-43.3%		2319
5113	19/ 4/87	55:30: 6N	95	30	35.376	ND	2.17+-31.8%		2320
5113	19/ 4/87	55:30: 6N	95	89	35.313	ND	5.04+-14.0%		2321
5114	19/ 4/87	55:30: 0N	79	3	35.037	ND	4.48+-15.6%		2322
5114	19/ 4/87	55:30: 0N	79	72	35.255	ND	3.98+-17.0%		2323
5115	19/ 4/87	55:29:54N	61	3	34.320	5.75+-29.1%	93.87+- 1.2%	16.3	2324
5115	19/ 4/87	55:29:54N	61	30	34.269	8.01+-18.5%	97.69+- 1.2%	11.1	2325
5115	19/ 4/87	55:29:54N	61	56	34.251	6.21+-25.8%	102.67+- 1.1%	16.5	2326
5116	20/ 4/87	55:15:12N	148	3	33.879	13.76+-12.0%	185.73+- 0.7%	13.5	2327
5216	24/ 4/87	54:29:36N	24	3	32.331	NA	NA	NA	2913
5216	24/ 4/87	54:29:36N	24	21	32.632	NA	NA	NA	2915
5217	24/ 4/87	54:30:36N	23	3	32.223	NA	NA	NA	2917

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.	
5217	24/ 4/87	54:30:36N	3:39: 0W	23	20	32.204	NA	NA	2919	
5219	24/ 4/87	54:27:24N	3:48:54W	32	3	32.795	NA	NA	2921	
5219	24/ 4/87	54:27:24N	3:48:54W	32	29	33.164	NA	NA	2923	
5222	24/ 4/87	54:22:42N	4: 3:36W	35	3	33.168	NA	NA	2925	
5222	24/ 4/87	54:22:42N	4: 3:36W	35	32	33.225	NA	NA	2927	
5226	25/ 4/87	54:21: 0N	3:38:54W	28	3	32.932	NA	NA	2929	
5226	25/ 4/87	54:21: 0N	3:38:54W	28	25	33.019	NA	NA	2931	
5227	25/ 4/87	54:23: 0N	3:36:36W	25	3	32.252	NA	NA	2933	
5227	25/ 4/87	54:23: 0N	3:36:36W	25	22	32.842	NA	NA	2935	
5228	25/ 4/87	54:25: 0N	3:34: 6W	24	3	32.357	NA	NA	2937	
5228	25/ 4/87	54:25: 0N	3:34: 6W	24	21	32.747	NA	NA	2939	
5243	26/ 4/87	54:33: 0N	3:41: 0W	21	3	31.988	NA	NA	2941	
5243	26/ 4/87	54:33: 0N	3:41: 0W	21	18	32.597	NA	NA	2943	
Site 41 G.A. Reay										
1	1/ 5/87	59:45: 0N	2:29: 0E	0	0	35.015	ND	9.40+- 8.0%	5351	
2	24/ 4/87	61: 0: 0N	0: 0: 0W	0	0	35.316	ND	3.90+-18.9%	5352	
3	2/ 5/87	59:15: 0N	2:29: 0E	0	0	34.938	ND	11.55+- 6.5%	5353	
4	28/ 4/87	60:45: 0N	1:25: 0E	0	0	35.190	ND	8.80+- 8.9%	5466	
4	29/ 4/87	60:45: 0N	2:24: 0E	0	0	35.251	ND	4.51+-16.8%	5467	
5	29/ 4/87	60:15: 0N	2:25: 0E	0	0	35.045	ND	18.37+- 6.3%	5468	
Site 51 Challenger										
1016	16/ 3/87	54:29:30N	3:42: 0W	29	3	32.564	33.45+- 5.8%	498.88+- 0.4%	14.9	2556
1016	16/ 3/87	54:29:30N	3:42: 0W	29	24	32.940	28.00+- 5.9%	407.14+- 0.4%	14.5	2557
1017	16/ 3/87	54:27:18N	3:49: 0W	32	3	32.969	29.61+- 6.2%	408.37+- 0.4%	13.8	2558
1017	16/ 3/87	54:27:18N	3:49: 0W	32	29	33.295	24.87+- 7.2%	344.71+- 0.5%	13.9	2559
1018	16/ 3/87	54:25: 0N	3:57: 0W	36	3	33.193	24.79+- 7.5%	348.22+- 0.5%	14.0	2560

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
1018	16/ 3/87	54:25: 0N	36	33	33.644	17.33+- 9.7%	264.95+- 0.6%	15.3	2561
1019	16/ 3/87	54:22:36N	40	3	33.561	23.02+- 7.7%	290.99+- 0.5%	12.6	2562
1019	16/ 3/87	54:22:36N	40	36	33.576	24.13+- 7.3%	284.80+- 0.5%	11.8	2563
1020	16/ 3/87	54:19:18N	25	3	33.573	19.22+- 9.2%	272.80+- 0.6%	14.2	2564
1020	16/ 3/87	54:19:18N	25	21	33.971	16.45+- 9.7%	205.91+- 0.6%	12.5	2565
1021	16/ 3/87	54:30: 0N	34	3	33.905	18.03+- 8.9%	217.69+- 0.6%	12.1	2566
1021	16/ 3/87	54:30: 0N	34	30	33.901	17.75+- 9.3%	219.57+- 0.6%	12.4	2567
1022	16/ 3/87	54:35: 0N	51	3	33.462	26.31+-12.2%	338.05+- 0.8%	12.9	2568
1022	16/ 3/87	54:35: 0N	51	47	33.181	25.44+- 6.8%	333.45+- 0.5%	13.1	2569
1023	16/ 3/87	54:38:30N	58	3	32.947	33.02+- 9.4%	407.68+- 0.6%	12.3	2570
1024	19/ 3/87	53:58:18N	46	3	34.161	18.00+-16.9%	199.04+- 1.2%	11.1	2571
1024	19/ 3/87	53:58:18N	46	41	34.155	21.86+-15.3%	195.64+- 1.3%	9.0	2572
1025	19/ 3/87	53:46:36N	58	3	34.244	16.43+-18.9%	171.53+- 1.3%	10.4	2573
1025	19/ 3/87	53:46:36N	58	54	34.278	19.86+-17.5%	168.96+- 1.5%	8.5	2574
1027	19/ 3/87	53:36: 0N	75	3	34.097	12.99+-23.6%	177.33+- 1.3%	13.7	2575
<b>Site 51 Challenger</b>									
2001	17/ 6/87	53:36: 0N	79	3	34.218	9.07+-15.8%	89.46+- 1.4%	9.9	4486
2001	17/ 6/87	53:36: 0N	79	75	34.190	7.48+-18.1%	88.44+- 1.3%	11.8	4487
2002	17/ 6/87	53:47:12N	72	3	34.270	5.23+-27.0%	88.33+- 1.3%	16.9	4488
2002	17/ 6/87	53:47:12N	72	70	34.274	7.20+-19.0%	70.92+- 1.6%	9.9	4489
2003	17/ 6/87	53:58:30N	47	3	34.241	9.80+-13.7%	111.45+- 1.0%	11.4	4490
2003	17/ 6/87	53:58:30N	47	42	34.214	9.62+-16.0%	118.91+- 1.1%	12.4	4491
2004	18/ 6/87	54:19: 0N	23	3	33.808	13.22+-10.6%	189.65+- 0.7%	14.3	4492
2004	18/ 6/87	54:19: 0N	23	20	34.041	9.66+-14.4%	152.37+- 0.8%	15.8	4493
2005	18/ 6/87	54:22:54N	39	3	33.398	16.30+- 8.4%	297.02+- 0.5%	18.2	4494
2005	18/ 6/87	54:22:54N	39	36	33.374	14.44+- 9.5%	270.78+- 0.5%	18.7	4495
2006	18/ 6/87	54:25:12N	37	3	33.205	17.11+- 8.3%	363.86+- 0.4%	21.3	4496
2006	18/ 6/87	54:25:12N	37	34	33.454	17.14+- 8.7%	310.79+- 0.5%	18.1	4497

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
2007	18/ 6/87	54:28: 5N	32	3	33.100	16.60+- 8.5%	412.39+- 0.4%	24.8	4498
2007	18/ 6/87	54:28: 5N	32	29	33.243	16.10+- 8.7%	364.05+- 0.4%	22.6	4499
2008	18/ 6/87	54:29:30N	25	3	32.984	16.44+- 8.2%	382.04+- 0.4%	23.2	4500
2008	18/ 6/87	54:29:30N	25	19	33.087	24.35+- 6.3%	435.32+- 0.4%	17.9	4501
2009	18/ 6/87	54:28:20N	63	3	33.309	16.74+- 8.2%	312.00+- 0.5%	18.6	4502
2009	18/ 6/87	54:28:20N	63	60	33.424	17.93+- 8.1%	297.82+- 0.5%	16.6	4503
2010	18/ 6/87	54:35: 0N	53	3	33.680	12.82+-10.9%	242.74+- 0.6%	18.9	4504
2010	18/ 6/87	54:35: 0N	53	51	33.768	12.91+-11.4%	180.76+- 0.7%	14.0	4505
2011	18/ 6/87	54:30: 0N	45	3	33.818	17.94+-13.1%	251.25+- 0.8%	14.0	4506
2011	18/ 6/87	54:30: 0N	45	40	33.974	12.06+-12.1%	162.89+- 0.8%	13.5	4507
Site 38 Cirolana									
6056	2/ 7/88	63:21:24N	2208	5	NA	ND	1.22+-51.6%		5932
6056	2/ 7/88	63:21:24N	2208	400	NA	ND	1.47+-44.0%		5933
6056	2/ 7/88	63:21:24N	2208	1200	NA	ND	ND		5934
6056	2/ 7/88	63:21:24N	2208	2200	NA	ND	2.03+-31.1%		5935
6069	5/ 7/88	62: 4:54N	2962	5	NA	ND	ND		5936
6069	5/ 7/88	62: 4:54N	2962	500	NA	ND	ND		5937
6069	5/ 7/88	62: 4:54N	2962	1755	NA	ND	ND		5938
6069	5/ 7/88	62: 4:54N	2962	2954	NA	ND	2.33+-27.0%		5939
6074	6/ 7/88	63: 2: 0N	2667	1380	NA	ND	ND		5940
6074	6/ 7/88	63: 2: 0N	2667	2659	NA	ND	1.14+-52.2%		5941
Site 38 Cirolana									
7003	12/ 8/88	52:31:30N	23	3	32.631	ND	8.24+- 8.1%		5556
7004	12/ 8/88	52:30: 0N	23	3	33.215	ND	6.16+-11.0%		5557
7007	12/ 8/88	52:26:30N	27	3	34.367	ND	6.68+- 9.3%		5560
7010	12/ 8/88	52:17:18N	30	3	34.934	ND	6.53+-10.2%		5562

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7011	12/ 8/88	52:30: 0N	30	3	34.000	2.54+-58.9%	17.94+- 5.7%	7.1	5563
7014	13/ 8/88	51:51: 0N	35	3	34.256	ND	11.51+- 5.7%		5566
7017	13/ 8/88	53: 0: 0N	42	3	34.215	ND	12.46+- 5.4%		5567
7024	14/ 8/88	54: 5:42N		3	34.695	5.50+-18.4%	28.82+- 2.2%	5.2	5571
7025	14/ 8/88	53:59:54N	73	3	34.711	ND	30.20+- 1.6%		5572
7029	14/ 8/88	54: 0: 0N	52	3	34.419	3.92+-24.4%	28.80+- 2.1%	7.3	5573
7032	15/ 8/88	54:57:12N	85	3	34.418	3.83+-26.8%	31.54+- 2.1%	8.2	5574
7035	15/ 8/88	54:56: 6N	75	3	34.437	5.28+-19.3%	30.13+- 2.1%	5.7	5576
7039	15/ 8/88	54:48:36N	83	3	34.625	3.34+-28.8%	26.58+- 2.3%	8.0	5580
7041	16/ 8/88	54:52:30N	40	3	34.629	3.07+-34.3%	27.22+- 2.4%	8.9	5581
7047	16/ 8/88	54:36:18N	37	3	34.670	4.24+-24.3%	26.85+- 2.4%	6.3	5583
7050	16/ 8/88	55:40: 0N	38	3	34.783	2.91+-34.0%	24.74+- 2.5%	8.5	5584
7053	17/ 8/88	55:38:42N	47	3	34.779	2.31+-42.1%	27.48+- 2.2%	11.9	5586
7060	17/ 8/88	56: 0: 0N	88	3	34.877	ND	22.00+- 3.1%		5587
7063	18/ 8/88	55:50:12N	81	3	34.758	ND	21.58+- 3.2%		5589
7066	18/ 8/88	55:55:54N	86	3	34.669	ND	9.98+- 6.7%		5594
7069	18/ 8/88	55:35:48N	88	3	34.549	ND	24.24+- 2.8%		5595
7070	18/ 8/88	56: 0: 6N	68	3	34.072	ND	28.77+- 2.4%		5596
7077	19/ 8/88	56:59:39N	72	3	34.545	ND	30.22+- 2.4%		5597
7077	19/ 8/88	56:59:39N	72	65	34.666	3.19+-49.4%	30.11+- 3.6%	9.4	5598
7078	19/ 8/88	57: 0: 6N	92	3	34.765	ND	21.41+- 3.2%		5599
7078	19/ 8/88	57: 0: 6N	92	88	35.010	ND	15.17+- 4.3%		5600
7085	20/ 8/88	57:16:30N	97	3	34.807	ND	20.52+- 3.4%		5601
7086	20/ 8/88	58: 0: 0N	84	3	34.801	3.75+-27.4%	19.93+- 3.1%	5.3	5602
7088	21/ 8/88	58:13:18N	81	3	34.832	2.63+-38.5%	21.27+- 2.9%	8.1	5603
7092	21/ 8/88	58:10:36N	110	3	34.881	3.04+-32.7%	16.30+- 3.7%	5.4	5608
7097	22/ 8/88	57:33:12N	94	0	34.913	ND	18.70+- 2.5%		5609
7098	22/ 8/88	57:55: 6N	89	3	34.963	ND	15.60+- 3.0%		5611
7101	22/ 8/88	58: 0: 0N	108	3	34.882	3.13+-32.4%	18.85+- 3.3%	6.0	5615
7104	22/ 8/88	57:59:42N	93	3	34.705	3.06+-32.4%	18.72+- 3.2%	6.1	5616

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7105	23/ 8/88	58:16:48N	51	3	34.651	3.97+-25.1%	27.30+- 2.3%	6.9	5617
7109	23/ 8/88	58:34:42N	74	3	34.661	3.40+-29.4%	31.02+- 2.0%	9.1	5619
7115	23/ 8/88	59: 2:42N	999	3	34.832	4.05+-26.5%	29.77+- 2.3%	7.4	5621
7118	24/ 8/88	59:15: 0N	160	3	35.098	ND	6.28+- 6.4%		5622
7121	24/ 8/88	59:12: 6N	121	3	35.039	ND	7.97+- 5.1%		5623
7124	24/ 8/88	60: 0: 0N	105	3	34.205	ND	14.41+- 3.0%		5625
7126	25/ 8/88	60:23:36N	141	3	34.663	1.90+-52.1%	10.15+- 5.8%	5.4	5627
7128	25/ 8/88	60: 9:42N	161	3	35.050	ND	6.40+- 6.4%		5628
7132	25/ 8/88	60:30:48N	120	3	35.010	ND	11.43+- 3.6%		5630
7134	25/ 8/88	61: 0: 0N	127	3	35.175	1.84+-54.5%	9.47+- 6.2%	5.2	5631
7136	26/ 8/88	61: 4:30N	152	3	35.191	ND	4.64+- 8.2%		5633
7141	26/ 8/88	61:14:24N	159	3	35.176	ND	4.03+-10.0%		5637
7143	26/ 8/88	61:30: 0N	185	3	35.234	ND	3.77+-10.6%		5638
7144	26/ 8/88	61: 0: 0N	135	3	34.488	ND	12.65+- 3.3%		5641
7145	27/ 8/88	60:13:42N	104	3	34.417	ND	11.73+- 3.5%		5642
7149	27/ 8/88	60:35:24N	118	3	34.075	ND	15.72+- 2.8%		5644
7152	27/ 8/88	60:41:12N	234	3	34.480	ND	10.89+- 3.8%		5645
7153	27/ 8/88	61:30: 0N	398	3	33.503	2.86+-34.9%	19.34+- 3.2%	6.8	5646
7154	27/ 8/88	61:29:54N	317	3	35.015	ND	5.28+- 7.8%		5647
7154	27/ 8/88	61:29:54N	317	100	35.395	ND	2.25+-17.8%		5648
7154	27/ 8/88	61:29:54N	317	314	35.314	ND	2.48+-16.4%		5649
7155	28/ 8/88	62: 0: 0N	378	3	34.978	ND	7.30+- 5.5%		5650
7156	28/ 8/88	61:59:51N	411	3	35.095	ND	3.40+-19.3%		5651
7156	28/ 8/88	61:59:51N	411	50	35.324	ND	1.20+-53.9%		5652
7156	28/ 8/88	61:59:51N	411	100	35.452	ND	ND		5653
7156	28/ 8/88	61:59:51N	411	400	35.187	ND	2.01+-31.5%		5654
7157	28/ 8/88	62: 0: 0N	410	3	30.887	ND	27.06+- 2.5%		5655
7158	28/ 8/88	62: 0:15N	87	3	34.689	ND	30.64+- 2.3%		5656
7158	28/ 8/88	62: 0:15N	87	20	30.909	ND	28.10+- 2.5%		5657
7158	28/ 8/88	62: 0:15N	87	80	34.538	ND	23.98+- 2.9%		5658

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7159	28/ 8/88	61:30:21N	349	3	33.692	ND	17.53+- 3.8%		5659
7159	28/ 8/88	61:30:21N	349	60	35.334	ND	1.44+-26.3%		5660
7159	28/ 8/88	61:30:21N	349	340	35.158	ND	2.84+-14.3%		5661
7160	28/ 8/88	61: 0: 0N	353	3	31.369	ND	28.50+- 2.5%		5662
7160	28/ 8/88	61: 0: 0N	353	40	35.108	ND	24.35+- 2.0%		5663
7160	28/ 8/88	61: 0: 0N	353	340	35.174	ND	9.95+- 4.3%		5664
7161	28/ 8/88	61: 0: 6N	253	3	31.154	3.37+-29.5%	27.24+- 2.3%	8.1	5665
7161	28/ 8/88	61: 0: 6N	253	60	33.727	ND	24.33+- 1.8%		5666
7161	28/ 8/88	61: 0: 6N	253	240	34.982	ND	15.83+- 2.6%		5667
7162	28/ 8/88	60:30: 0N	353	3	30.926	3.44+-30.6%	28.08+- 2.3%	8.2	5668
7163	28/ 8/88	60:30: 9N	307	3	32.699	3.86+-26.8%	23.74+- 2.7%	6.1	5669
7163	28/ 8/88	60:30: 9N	307	60	34.981	ND	17.15+- 2.5%		5670
7163	28/ 8/88	60:30: 9N	307	295	35.210	ND	6.08+- 6.5%		5671
7164	28/ 8/88	60: 0: 6N	287	3	32.904	3.39+-30.0%	23.47+- 2.7%	6.9	5672
7165	29/ 8/88	60: 0: 3N	305	3	31.024	3.60+-28.8%	27.57+- 2.3%	7.7	5673
7165	29/ 8/88	60: 0: 3N	305	75	34.345	ND	26.94+- 2.7%		5674
7165	29/ 8/88	60: 0: 3N	305	300	35.131	ND	13.25+- 5.1%		5675
7166	29/ 8/88	59:30:12N	147	3	31.353	4.28+-23.3%	28.97+- 2.2%	6.8	5676
7167	29/ 8/88	59:30:12N	283	3	32.004	4.84+-20.8%	25.87+- 2.4%	5.3	5677
7167	29/ 8/88	59:30:12N	283	40	34.492	ND	29.13+- 2.4%		5678
7167	29/ 8/88	59:30:12N	283	278	35.138	ND	15.07+- 4.3%		5679
7168	29/ 8/88	59: 0:15N	296	3	32.722	4.71+-21.3%	25.84+- 2.4%	5.5	5680
7168	29/ 8/88	59: 0:15N	296	50	34.679	ND	25.36+- 2.8%		5681
7168	29/ 8/88	59: 0:15N	296	285	35.107	ND	20.72+- 3.4%		5682
7169	29/ 8/88	59: 0: 0N	249	3	30.297	4.94+-20.8%	29.20+- 2.2%	5.9	5683
7170	29/ 8/88	58:30:15N	291	3	30.937	ND	29.80+- 1.6%		5684
7170	29/ 8/88	58:30:15N	291	60	34.657	ND	25.69+- 2.7%		5685
7170	29/ 8/88	58:30:15N	291	275	35.124	ND	14.16+- 4.8%		5686
7171	29/ 8/88	58:29:48N	279	3	31.141	ND	30.67+- 2.3%		5687
7172	29/ 8/88	58: 0: 3N	310	3	30.701	ND	32.18+- 2.3%		5688

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
7172	29/ 8/88	58: 0: 3N	310	80	34.896	ND	22.47+- 3.1%		5689
7172	29/ 8/88	58: 0: 3N	310	298	35.128	ND	15.47+- 4.2%		5690
7173	29/ 8/88	57:30: 0N	83	3	32.135	ND	25.50+- 2.8%		5691
7174	29/ 8/88	57:30: 0N	205	3	31.688	ND	28.57+- 2.5%		5694
7174	29/ 8/88	57:30: 0N	205	50	34.961	1.91+-53.7%	16.36+- 3.8%	8.5	5692
7174	29/ 8/88	57:30: 0N	205	195	35.153	ND	9.63+- 4.4%		5693
7175	30/ 8/88	57:57:29N	169	3	31.471	ND	28.99+- 2.4%		5695
7175	30/ 8/88	57:29:57N	169	50	34.928	2.58+-38.1%	20.88+- 2.9%	8.1	5696
7175	30/ 8/88	57:29:57N	169	162	35.163	ND	8.93+- 4.5%		5697
7176	30/ 8/88	57:56:15N	552	3	30.100	4.14+-37.2%	29.81+- 3.6%	7.2	5698
7176	30/ 8/88	57:56:15N	552	125	34.833	3.20+-32.7%	21.85+- 2.9%	6.8	5699
7176	30/ 8/88	57:56:15N	552	380	35.157	3.54+-28.1%	21.69+- 2.8%	6.1	5700
7176	30/ 8/88	57:56:15N	552	533	35.045	3.72+-51.0%	33.99+- 3.4%	9.1	5701
7177	30/ 8/88	58: 0: 0N	565	3	29.462	5.29+-19.5%	31.59+- 2.1%	6.0	5702
7178	30/ 8/88	58:23:54N	251	3	26.792	8.36+-12.4%	35.66+- 1.8%	4.3	5703
7178	30/ 8/88	58:23:54N	251	30	33.397	5.84+-17.4%	26.16+- 2.4%	4.5	5704
7178	30/ 8/88	58:23:54N	251	60	34.514	2.55+-40.2%	24.76+- 2.5%	9.7	5705
7178	30/ 8/88	58:23:54N	251	247	35.089	2.47+-41.7%	13.38+- 4.5%	5.4	5706
7179	30/ 8/88	58:29:54N	538	3	28.980	6.24+-16.4%	33.32+- 1.9%	5.3	5707
7179	30/ 8/88	58:29:54N	538	10	34.625	3.20+-31.8%	22.77+- 2.7%	7.1	5708
7179	30/ 8/88	58:29:54N	538	20	31.643	ND	24.57+- 3.6%		5709
7179	30/ 8/88	58:29:54N	538	530	35.057	2.64+-45.8%	27.69+- 2.7%	10.5	5710
7180	30/ 8/88	58:37:54N	518	300	35.075	NA	NA		5711
7181	30/ 8/88	58:49:48N	173	3	25.711	6.85+-15.4%	40.03+- 1.7%	5.8	5712
7181	30/ 8/88	58:49:48N	173	20	32.655	ND	22.45+- 2.0%		5713
7181	30/ 8/88	58:49:48N	173	168	35.056	ND	12.53+- 3.5%		5714
7182	30/ 8/88	58:50: 0N	97	3	31.103	4.15+-24.9%	27.90+- 2.3%	6.7	5715
7183	30/ 8/88	58:30:39N	40	3	23.008	9.24+-11.6%	48.18+- 1.5%	5.2	5716
7183	30/ 8/88	58:30:39N	40	10	27.800	1.79+-58.9%	20.70+- 3.1%	11.6	5717
7183	30/ 8/88	58:30:39N	40	15	31.498	5.47+-19.3%	34.92+- 1.9%	6.4	5718

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
7183	30/ 8/88	58:30:39N 10:58:54E	40	32	32.464	2.05+-56.5%	26.94+- 2.6%	13.2	5719
7184	31/ 8/88	58: 0: 6N 10:59:54E	136	3	33.043	ND	20.48+- 2.1%		5720
7185	1/ 9/88	57:30: 9N 11:29:42E	61	3	20.281	4.32+-23.6%	30.14+- 2.1%	7.0	5721
7185	1/ 9/88	57:30: 9N 11:29:42E	61	20	30.037	ND	29.41+- 1.6%		5722
7185	1/ 9/88	57:30: 9N 11:29:42E	61	58	33.487	14.31+- 7.6%	58.17+- 1.2%	4.1	5723
7186	1/ 9/88	57: 0: 0N 12: 0: 6E	47	3	19.879	13.84+- 7.4%	60.48+- 1.1%	4.4	5724
7187	1/ 9/88	56:30: 3N 11:44:51E	31	3	20.234	13.60+- 7.7%	64.41+- 1.1%	4.7	5725
7187	1/ 9/88	56:30: 3N 11:44:51E	31	15	22.409	8.51+-18.8%	59.14+- 1.9%	6.9	5726
7187	1/ 9/88	56:30: 3N 11:44:51E	31	26	30.857	ND	29.39+- 2.4%		5727
7188	1/ 9/88	56:30: 0N 12:29:42E	27	3	14.239	19.10+- 8.4%	80.86+- 1.5%	4.2	5728
7188	1/ 9/88	56:30: 0N 12:29:42E	27	10	18.513	15.21+-10.9%	72.89+- 1.6%	4.8	5729
7188	1/ 9/88	56:30: 0N 12:29:42E	27	15	22.619	7.99+-19.7%	57.62+- 1.9%	7.2	5730
7188	1/ 9/88	56:30: 0N 12:29:42E	27	22	32.411	ND	26.58+- 2.5%		5731
7189	1/ 9/88	56:10: 9N 12:29:30E	25	3	10.632	19.45+- 8.1%	90.74+- 1.3%	4.7	5732
7189	1/ 9/88	56:10: 9N 12:29:30E	25	10	15.741	19.04+- 8.6%	82.23+- 1.5%	4.3	5733
7189	1/ 9/88	56:10: 9N 12:29:30E	25	19	32.599	6.98+-23.7%	49.96+- 2.3%	7.2	5734
7190	1/ 9/88	56:10: 0N 11:45: 0E	24	3	18.778	15.60+- 9.8%	70.56+- 1.6%	4.5	5735
7191	2/ 9/88	56:10: 3N 10:59:39E	24	3	18.083	14.82+-10.8%	74.26+- 1.6%	5.0	5736
7191	2/ 9/88	56:10: 3N 10:59:39E	24	11	22.742	13.76+- 8.7%	61.91+- 1.3%	4.5	5737
7191	2/ 9/88	56:10: 3N 10:59:39E	24	23	31.302	5.58+-18.8%	30.11+- 2.1%	5.4	5738
7192	2/ 9/88	56:30:12N 11: 5:15E	17	3	19.711	11.36+-13.9%	67.07+- 1.7%	5.9	5739
7192	2/ 9/88	56:30:12N 11: 5:15E	17	7	22.945	12.62+- 9.5%	58.75+- 1.3%	4.7	5740
7192	2/ 9/88	56:30:12N 11: 5:15E	17	15	28.300	12.46+- 8.7%	47.76+- 1.5%	3.8	5741
7193	2/ 9/88	57: 0: 0N 10:51:48E	13	3	23.683	6.50+-23.5%	53.72+- 2.0%	8.3	5742
7194	2/ 9/88	57:35:21N 10:59:48E	31	3	26.975	4.44+-34.5%	40.99+- 2.6%	9.2	5743
7194	2/ 9/88	57:35:21N 10:59:48E	31	10	27.324	6.56+-15.6%	40.86+- 1.6%	6.2	5744
7194	2/ 9/88	57:35:21N 10:59:48E	31	26	32.194	ND	21.09+- 2.1%		5745
7195	2/ 9/88	58: 0:12N 10: 0:27E	97	3	34.017	ND	24.49+- 2.8%		5746
7195	2/ 9/88	58: 0:12N 10: 0:27E	97	40	34.359	3.88+-27.5%	23.27+- 2.8%	6.0	5747
7195	2/ 9/88	58: 0:12N 10: 0:27E	97	89	34.899	ND	20.05+- 2.2%		5748

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
7196	2/ 9/88	57:30: 3N	9: 0: 9E	28	3	32.620	ND	15.72+- 4.4%	5749
7196	2/ 9/88	57:30: 3N	9: 0: 9E	28	22	33.405	ND	16.93+- 2.4%	5750
7197	2/ 9/88	57: 0: 3N	8: 0:27E	34	3	33.240	ND	15.45+- 4.3%	5751
7197	2/ 9/88	57: 0: 3N	8: 0:27E	34	30	33.340	ND	17.34+- 2.5%	5752
7198	2/ 9/88	57: 0:24N	6:59:51E	33	3	33.963	2.07+-49.4%	23.71+- 2.7%	11.5
7198	2/ 9/88	57: 0:24N	6:59:51E	33	27	34.086	ND	23.34+- 3.0%	5754
7199	2/ 9/88	57: 0: 3N	6: 0:42E	48	3	34.467	ND	27.88+- 1.7%	5755
7199	2/ 9/88	57: 0: 3N	6: 0:42E	48	42	34.474	ND	29.79+- 2.4%	5756
7200	3/ 9/88	57: 0: 6N	4:58:54E	58	3	34.277	ND	23.88+- 1.9%	5757
7200	3/ 9/88	57: 0: 6N	4:58:54E	58	50	34.764	ND	29.55+- 2.4%	5758
7201	3/ 9/88	57:30: 3N	4:58:39E	86	3	34.447	ND	18.71+- 3.7%	5759
7201	3/ 9/88	57:30: 3N	4:58:39E	86	40	35.066	ND	14.51+- 4.7%	5760
7201	3/ 9/88	57:30: 3N	4:58:39E	86	79	35.090	ND	11.30+- 6.2%	5761
7203	3/ 9/88	57:44:30N	4:43:21E	88	3	34.117	ND	17.40+- 3.8%	5762
7209	3/ 9/88	58:25:30N	3:53:24E	164	3	34.809	ND	13.75+- 4.8%	5764
7213	4/ 9/88	59:23:24N	2: 7:30E	128	3	35.075	ND	7.77+- 8.3%	5766
7220	5/ 9/88	56:59:48N	3:18:54E	68	3	34.732	ND	18.83+- 2.4%	5767
7220	5/ 9/88	56:59:48N	3:18:54E	68	61	34.989	ND	18.77+- 3.6%	5768
7228	6/ 9/88	56:45:54N	6:23:30E	51	3	34.599	ND	25.99+- 1.7%	5771
7234	6/ 9/88	56:17:36N	7: 7:30E	34	3	33.342	ND	14.27+- 2.9%	5773
7238	7/ 9/88	55:34:18N	5:11:36E	47	3	34.825	1.74+-57.2%	23.73+- 2.6%	13.7
7242	7/ 9/88	55:56:36N	6: 8:12E	48	3	34.417	1.96+-49.4%	25.50+- 2.4%	13.0
7246	8/ 9/88	55: 3:18N	6:35:18E	45	3	32.984	ND	10.83+- 3.8%	5779
7250	8/ 9/88	54:56:24N	7: 4:36E	29	3	32.692	ND	8.69+- 4.7%	5780
7253	8/ 9/88	54:32:40N	6:27:54E	39	3	34.116	ND	26.66+- 2.5%	5781
7255	8/ 9/88	53:59:54N	5:51: 0E	35	3	34.018	ND	4.96+-12.5%	5782
7257	9/ 9/88	53:44:12N	5:18:48E	31	3	32.980	ND	5.92+-11.0%	5784
7260	9/ 9/88	53:47:42N	4:29:48E	42	3	34.130	ND	22.00+- 3.0%	5785
7263	9/ 9/88	53:52:30N	3:29:48E	36	3	34.605	ND	26.45+- 2.5%	5786
7266	10/ 9/88	54:37:12N	5:31: 0E	44	3	34.343	ND	27.01+- 1.6%	5787

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
7269	10/ 9/88	54:45:24N 4:49:42E	45	34.557	ND	30.28+- 1.5%		5788
Site 38 Cirolana								
9001	28/10/88	52:29:18N 1:50:42E	34	NA	5.34+-17.0%	33.50+- 1.8%	6.3	7958
9002	28/10/88	51:15:18N 1:40:42E	45	NA	ND	5.30+- 7.1%		7959
9003	29/10/88	50: 9:42N 3: 3:48W	65	NA	ND	3.90+- 9.0%		7960
9004	29/10/88	49:59:54N 5:51: 6W	68	NA	ND	4.91+- 7.6%		7961
9005	29/10/88	51:34: 6N 5:51:48W	108	NA	ND	5.86+- 6.6%		7962
9006	30/10/88	53:33:48N 5:19: 6W	76	NA	2.32+-40.7%	40.11+- 1.6%	17.3	7963
9006	30/10/88	53:33:48N 5:19: 6W	76	NA	4.02+-23.7%	41.90+- 1.5%	10.4	7964
9011	30/10/88	53:31:42N 3:25: 6W	34	NA	8.56+-10.6%	255.02+- 0.4%	29.8	7965
9017	30/10/88	53:49: 6N 3:18:18W	22	NA	13.02+- 7.3%	490.15+- 0.2%	37.7	7966
9022	30/10/88	53:50: 0N 3:42:24W	37	NA	9.61+-10.0%	314.18+- 0.3%	32.7	7967
9030	31/10/88	54:24:54N 3:37: 6W	23	NA	12.17+- 8.0%	394.25+- 0.3%	32.4	7968
9036	31/10/88	54:24:54N 3:45:36W	33	NA	12.46+- 7.7%	422.08+- 0.3%	33.9	7969
9047	31/10/88	54:25: 0N 3:52:18W	37	NA	11.28+- 8.3%	366.74+- 0.3%	32.5	7970
9050	31/10/88	54:19:54N 3:41:54W	34	NA	14.83+- 6.3%	423.65+- 0.3%	28.6	7971
9059	1/11/88	54:22:24N 3:32:54W	21	NA	19.87+- 4.7%	521.51+- 0.2%	26.2	7972
9062	1/11/88	54:20: 0N 3:30: 6W	18	NA	18.35+- 5.3%	506.36+- 0.2%	27.6	7973
9069	1/11/88	54:15: 0N 3:49:54W	36	NA	8.50+-10.5%	328.23+- 0.3%	38.6	7974
9073	1/11/88	54:10: 6N 3:30: 0W	28	NA	10.25+- 9.4%	359.26+- 0.3%	35.1	7975
9075	1/11/88	54: 4:54N 3:45: 0W	41	NA	7.70+-12.2%	280.06+- 0.4%	36.4	7976
9080	2/11/88	54: 0: 6N 3:34:42W	30	NA	9.54+- 9.8%	356.47+- 0.3%	37.4	7977
9080	2/11/88	54: 0: 6N 3:34:42W	30	NA	3.23+-42.9%	334.20+- 0.4%	103.3	7978
9088	2/11/88	53:45: 0N 4: 7:24W	51	NA	ND	65.00+- 1.1%		7979
9090	2/11/88	53:54: 0N 4:39:54W	81	NA	ND	78.80+- 0.9%		7980
9095	3/11/88	54:18:12N 4: 3:54W	23	NA	4.25+-37.9%	284.05+- 0.5%	66.9	7981
9095	3/11/88	54:18:12N 4: 3:54W	23	NA	ND	276.39+- 0.4%		7982
9101	3/11/88	54:43:36N 3:45:12W	12	NA	4.41+-30.9%	342.63+- 0.4%	77.6	7983

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
9106	3/11/88	54:35: 0N	20	3	NA	3.40+-41.3%	336.75+- 0.4%	99.0	7984
9113	3/11/88	54:35: 6N	27	3	NA	ND	246.77+- 0.4%		7985
9116	4/11/88	54:29:48N	33	3	NA	3.80+-34.7%	313.79+- 0.4%	82.6	7986
9117	4/11/88	54:29:54N	25	3	NA	5.67+-24.4%	379.81+- 0.3%	67.0	7987
9118	4/11/88	54:44:24N	23	3	NA	7.73+-11.5%	254.45+- 0.4%	32.9	7988
9119	4/11/88	54:25: 0N	49	3	NA	4.94+-19.3%	113.86+- 0.7%	23.0	7989
9122	4/11/88	54:14:24N	101	3	NA	4.26+-20.3%	96.20+- 0.7%	22.6	7990
9122	4/11/88	54:14:24N	101	98	NA	3.84+-25.5%	79.88+- 0.9%	20.8	7991
9140	5/11/88	54:32:42N	83	3	NA	7.91+-11.4%	219.24+- 0.4%	27.7	7992
9140	5/11/88	54:32:42N	83	80	NA	8.10+-11.3%	218.62+- 0.4%	27.0	7993
9151	6/11/88	54:37:24N	71	3	NA	6.46+-14.3%	151.78+- 0.5%	23.5	7994
9151	6/11/88	54:37:24N	73	70	NA	4.73+-19.6%	143.96+- 0.6%	30.4	7995
9155	6/11/88	54:34:54N	51	3	NA	4.43+-19.9%	115.11+- 0.6%	26.0	7996
9155	6/11/88	54:34:54N	51	48	NA	4.17+-21.5%	114.38+- 0.6%	27.4	7997
9167	7/11/88	54:26: 0N	23	3	NA	15.13+- 9.5%	556.70+- 0.3%	36.8	7998
9173	7/11/88	54:26: 6N	23	3	NA	19.04+- 7.7%	631.93+- 0.3%	33.2	7999
9176	7/11/88	54:26: 0N	22	3	NA	19.33+- 7.4%	619.34+- 0.3%	32.0	8000
9179	7/11/88	54:26: 0N	19	3	NA	16.38+- 8.7%	644.53+- 0.2%	39.3	8001
9182	7/11/88	54:26: 0N	18	3	NA	23.15+- 6.1%	716.31+- 0.2%	30.9	8002
9189	7/11/88	54:26: 6N	23	3	NA	12.71+-10.7%	511.94+- 0.3%	40.3	8003
9329	14/11/88	53:54: 0N	101	3	NA	ND	79.24+- 0.9%		8004
<b>Site 40 Corella/Dawn Sky</b>									
1001	2/ 3/88	52:24: 0N	13	3	33.011	ND	32.60+- 2.1%		1161
1002	2/ 3/88	52: 0: 0N	33	3	NA	ND	35.07+- 2.0%		1162
1003	2/ 3/88	51:30: 0N	33	3	NA	ND	9.63+- 6.7%		1163
1004	2/ 3/88	51: 0: 0N	23	3	NA	ND	6.88+- 9.7%		1164
1005	2/ 3/88	50:54: 0N	26	3	NA	ND	5.63+-11.6%		1165
1006	2/ 3/88	50:39: 0N	43	3	34.496	ND	4.87+-15.0%		1166

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.	
1007	3/ 3/88	50:32: 0N	1: 0: 0W	29	3	34.932	ND	3.16+-21.4%	1167	
1008	3/ 3/88	50:24: 0N	2: 0: 0W	41	3	35.008	ND	3.39+-19.7%	1168	
1009	3/ 3/88	50:14:44N	3: 0: 0W	59	3	NA	ND	4.65+-13.9%	1169	
1010	3/ 3/88	50: 4:33N	4: 0: 0W	83	3	NA	ND	4.36+-15.7%	1170	
1011	3/ 3/88	49:54: 0N	5: 0: 0W	83	3	35.310	ND	5.43+-12.0%	1171	
1012	4/ 3/88	50: 0:17N	5:50: 0W	70	3	NA	ND	6.07+-11.3%	1172	
1013	4/ 3/88	50:29:59N	6: 0: 0W	76	3	35.231	ND	6.91+- 8.9%	1173	
1014	4/ 3/88	51: 0: 0N	5:59:50W	86	3	35.152	ND	6.41+-10.3%	1174	
1015	4/ 3/88	51:30: 0N	5:59:57W	114	3	35.147	ND	5.58+-11.9%	1175	
1016	4/ 3/88	52: 0: 0N	6: 7: 0W	93	3	34.860	ND	6.31+- 9.6%	1176	
1017	4/ 3/88	52: 9:42N	6:15:14W	48	3	34.599	ND	8.50+- 7.2%	1177	
1017	4/ 3/88	52: 9:42N	6:15:14W	48	44	34.584	ND	8.46+- 7.7%	1178	
1018	4/ 3/88	52:25: 0N	6: 9: 0W	37	3	34.476	ND	10.51+- 6.1%	1179	
1019	5/ 3/88	52:10: 2N	5:43:19W	97	3	34.915	ND	5.89+-10.2%	1180	
1019	5/ 3/88	52:10: 2N	5:43:19W	97	93	34.918	ND	5.09+-12.7%	1181	
1020	5/ 3/88	52: 0: 0N	5:42: 0W	99	3	34.962	ND	4.68+-13.4%	1182	
1021	5/ 3/88	52: 0: 6N	5: 9: 0W	57	3	34.409	ND	7.35+- 8.9%	1183	
1022	5/ 3/88	52:10: 7N	5: 8:51W	61	3	34.547	ND	12.39+- 5.4%	1184	
1022	5/ 3/88	52:10: 7N	5: 8:51W	61	57	34.545	ND	11.84+- 5.4%	1185	
1023	5/ 3/88	52:10: 2N	4:39:53W	35	3	33.916	ND	14.02+- 4.7%	1186	
1023	5/ 3/88	52:10: 2N	4:39:53W	35	31	19.866	ND	13.92+- 4.8%	1187	
1024	5/ 3/88	52:25: 0N	4:31: 0W	30	3	34.479	2.59+-54.1%	13.41+- 7.5%	5.2	1188
1025	5/ 3/88	52:39:12N	4:23: 0W	19	3	34.473	ND	14.05+- 4.8%	1189	
1025	5/ 3/88	52:39:12N	4:23: 0W	19	15	34.479	ND	14.84+- 4.7%	1190	
1026	5/ 3/88	52:39:53N	4:55: 3W	80	3	34.679	2.42+-59.4%	15.13+- 6.8%	6.2	1191
1026	5/ 3/88	52:39:53N	4:55: 3W	80	74	34.684	ND	15.94+- 4.2%	1192	
1027	5/ 3/88	52:39:48N	5:28: 3W	73	3	34.596	ND	25.86+- 2.7%	1193	
1027	5/ 3/88	52:39:48N	5:28: 3W	73	68	34.596	2.88+-46.6%	22.86+- 4.3%	7.9	1194
1028	5/ 3/88	52:40: 0N	6: 0:16W	44	3	34.088	3.22+-41.7%	44.86+- 2.2%	14.0	1195
1028	5/ 3/88	52:40: 0N	6: 0:16W	44	39	34.086	2.46+-57.6%	47.57+- 2.2%	19.3	1196

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
1029	5/ 3/88	58: 0: 0N	25	3	34.014	2.79+-50.8%	80.69+- 1.4%	28.9	1197
1030	5/ 3/88	53: 0: 0N	95	3	34.679	ND	26.54+- 2.4%		1198
1030	5/ 3/88	53: 0: 0N	95	91	34.687	ND	24.50+- 2.7%		1199
1031	6/ 3/88	53: 0: 0N	41	3	34.367	ND	36.46+- 2.0%		1200
1032	6/ 3/88	53:20: 4N	44	3	34.745	ND	23.59+- 2.9%		1201
1032	6/ 3/88	53:20: 4N	44	40	34.681	ND	24.45+- 3.7%		1202
1033	6/ 3/88	53:19:56N	88	3	34.209	ND	76.48+- 1.0%		1203
1033	6/ 3/88	53:19:56N	88	84	34.643	ND	43.14+- 1.7%		1204
1034	6/ 3/88	53:20: 0N	33	3	33.844	ND	82.93+- 0.9%		1205
1034	6/ 3/88	53:20: 0N	33	29	33.839	3.23+-43.7%	83.96+- 1.3%	26.0	1206
1035	6/ 3/88	53:39:48N	22	3	33.887	2.39+-57.4%	92.70+- 1.1%	38.7	1207
1035	6/ 3/88	53:39:48N	22	19	34.132	3.93+-51.0%	91.86+- 1.7%	23.4	1208
1036	6/ 3/88	54: 0: 0N	21	3	33.859	ND	105.03+- 1.1%		1209
1037	6/ 3/88	54: 0: 0N	88	3	33.695	4.26+-46.0%	115.28+- 1.3%	27.1	1212
1038	6/ 3/88	53:40: 0N	103	3	34.407	ND	61.59+- 1.7%		1213
1038	6/ 3/88	53:40: 0N	103	98	34.619	ND	36.01+- 2.8%		1214
1039	6/ 3/88	53:40: 2N	72	3	34.470	3.40+-57.5%	49.14+- 2.9%	14.4	1215
1039	6/ 3/88	53:40: 2N	72	68	34.479	ND	49.25+- 2.0%		1216
1040	6/ 3/88	54: 0: 0N	64	3	34.260	3.68+-54.4%	78.08+- 1.9%	21.2	1217
1041	7/ 3/88	54: 0: 0N	46	3	34.187	ND	82.00+- 1.3%		1218
1041	7/ 3/88	54: 0: 0N	46	41	34.219	ND	79.54+- 1.3%		1219
1042	7/ 3/88	53:50: 0N	56	3	34.124	ND	85.68+- 1.3%		1220
1042	7/ 3/88	53:50: 0N	56	51	34.119	ND	87.31+- 1.4%		1221
1043	7/ 3/88	53:40: 0N	74	3	34.333	ND	54.36+- 1.9%		1222
1043	7/ 3/88	53:40: 0N	74	69	34.324	ND	53.42+- 1.9%		1223
1044	7/ 3/88	53:30: 0N	48	3	34.034	ND	93.00+- 1.3%		1224
1044	7/ 3/88	53:30: 0N	48	43	34.081	4.35+-47.6%	90.14+- 1.8%	20.7	1225
1045	7/ 3/88	53:21: 0N	22	3	32.406	ND	202.14+- 0.7%		1226
1046	7/ 3/88	53:30: 0N	38	3	32.815	3.59+-55.7%	224.17+- 0.8%	62.4	1227
1046	7/ 3/88	53:30: 0N	38	33	33.011	5.60+-38.6%	211.60+- 0.9%	37.8	1228

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
1047	7/ 3/88	53:25: 0N	14	3	31.645	3.71+-54.5%	312.55+-	0.6%	1229
1048	7/ 3/88	53:30: 0N	19	3	31.807	5.14+-40.3%	326.46+-	0.6%	1230
1049	7/ 3/88	53:39:48N	35	3	33.147	4.05+-49.4%	223.27+-	0.8%	1231
1049	7/ 3/88	53:39:48N	35	31	33.305	4.04+-51.3%	222.23+-	0.8%	1232
1050	7/ 3/88	53:40: 0N	48	3	33.459	5.06+-38.7%	158.02+-	1.0%	1233
1050	7/ 3/88	53:40: 0N	48	44	33.460	ND	160.82+-	0.8%	1234
1051	7/ 3/88	53:50: 0N	41	3	33.509	ND	166.29+-	0.8%	1235
1051	7/ 3/88	53:50: 0N	41	37	33.525	5.79+-36.4%	158.93+-	1.1%	1236
1052	7/ 3/88	53:50: 0N	17	3	32.499	7.13+-29.6%	316.61+-	0.6%	1237
1053	7/ 3/88	54: 0: 0N	17	3	32.513	7.62+-19.0%	266.56+-	0.5%	1238
1053	7/ 3/88	54: 0: 0N	17	14	32.731	6.32+-23.5%	227.53+-	0.6%	1239
1054	7/ 3/88	54: 0: 0N	26	3	32.780	4.73+-29.8%	226.39+-	0.5%	1240
1054	7/ 3/88	54: 0: 0N	26	23	32.771	6.90+-21.7%	226.40+-	0.6%	1241
1055	7/ 3/88	54: 0: 0N	37	3	33.061	4.33+-33.1%	201.15+-	0.6%	1242
1055	7/ 3/88	54: 0: 0N	37	32	33.197	3.84+-39.2%	183.94+-	0.7%	1243
1056	7/ 3/88	54: 0: 0N	42	3	33.072	ND	191.10+-	0.5%	1244
1056	7/ 3/88	54: 0: 0N	42	37	33.312	5.43+-27.2%	170.14+-	0.7%	1245
1057	8/ 3/88	54:10: 0N	35	3	33.702	4.01+-36.2%	138.81+-	0.8%	1246
1057	8/ 3/88	54:10: 0N	35	30	33.709	ND	134.47+-	0.6%	1247
1058	8/ 3/88	54:20:10N	26	3	33.027	6.08+-23.7%	204.80+-	0.6%	1248
1058	8/ 3/88	54:20:10N	26	23	33.139	5.58+-25.9%	188.08+-	0.6%	1249
1059	8/ 3/88	54:10: 0N	30	3	33.181	2.84+-51.6%	190.58+-	0.6%	1250
1059	8/ 3/88	54:10: 0N	30	27	33.206	3.58+-40.6%	185.67+-	0.6%	1251
1060	8/ 3/88	54: 9:58N	26	3	32.595	4.03+-36.0%	233.50+-	0.5%	1252
1060	8/ 3/88	54: 9:58N	26	23	33.036	4.24+-34.2%	196.66+-	0.6%	1253
1061	8/ 3/88	54:10: 0N	28	3	32.767	3.92+-37.4%	228.65+-	0.6%	1254
1061	8/ 3/88	54:10: 0N	28	25	33.342	ND	170.27+-	0.7%	1255
1062	8/ 3/88	54:20: 0N	39	3	33.029	2.51+-56.2%	206.18+-	0.6%	1256
1062	8/ 3/88	54:20: 0N	39	35	33.160	3.23+-42.4%	193.62+-	0.6%	1257
1063	8/ 3/88	54:18: 0N	34	3	32.898	ND	247.84+-	0.7%	1258

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs		<sup>137</sup> Cs		Ratio	Sample no.
						depth (m)	concentration (Bq m <sup>-3</sup> )	depth (m)	concentration (Bq m <sup>-3</sup> )		
1063	8/ 3/88	54:18: 0N	34	31	33.144		ND	220.22+-	0.7%		1259
1064	8/ 3/88	54:19:54N	24	3	32.705	5.18+-	53.5%	273.35+-	0.8%	52.8	1260
1064	8/ 3/88	54:19:54N	24	21	32.781		ND	267.02+-	0.7%		1261
1065	8/ 3/88	54:23:48N	26	3	32.860		ND	238.92+-	0.7%		1262
1065	8/ 3/88	54:23:48N	26	23	32.906	6.95+-	39.8%	243.46+-	0.9%	35.0	1263
1066	8/ 3/88	54:21:48N	35	3	32.998	7.87+-	37.1%	225.91+-	1.0%	28.7	1264
1066	8/ 3/88	54:21:48N	35	32	33.090	9.80+-	35.1%	224.32+-	1.2%	22.9	1265
1067	8/ 3/88	54:26: 0N	35	3	33.194	11.36+-	24.0%	210.67+-	1.0%	18.5	1266
1067	8/ 3/88	54:26: 0N	35	32	33.191	9.46+-	30.1%	213.55+-	1.0%	22.6	1267
1068	8/ 3/88	54:28: 2N	28	3	32.392	7.41+-	37.1%	282.00+-	0.8%	38.0	1268
1068	8/ 3/88	54:28: 2N	28	23	32.998		ND	245.79+-	0.7%		1269
1069	8/ 3/88	54:30: 0N	39	3	33.334	7.16+-	20.2%	170.65+-	0.7%	23.8	1270
1069	8/ 3/88	54:30: 0N	39	34	33.450	3.12+-	49.3%	166.73+-	0.7%	53.4	1271
1070	8/ 3/88	54:40: 0N	28	3	33.492	4.06+-	39.0%	166.95+-	0.8%	41.2	1272
1070	8/ 3/88	54:40: 0N	28	25	33.501	3.62+-	40.5%	156.33+-	0.8%	43.1	1273
1071	8/ 3/88	54:40: 0N	44	3	33.836	2.68+-	54.2%	138.05+-	0.8%	51.5	1274
1071	8/ 3/88	54:40: 0N	44	39	33.740		ND	132.96+-	0.6%		1275
1072	8/ 3/88	54:30: 0N	59	3	33.419	8.09+-	19.4%	165.08+-	0.8%	20.4	1276
1072	8/ 3/88	54:30: 0N	59	54	33.788	2.82+-	52.4%	142.78+-	0.8%	50.6	1277
1073	8/ 3/88	54:29:48N	47	3	33.241	5.19+-	28.4%	182.98+-	0.7%	35.3	1278
1073	8/ 3/88	54:29:48N	47	42	33.385	4.02+-	36.7%	179.91+-	0.7%	44.7	1279
1074	8/ 3/88	54:39:48N	21	3	33.871		ND	115.08+-	0.7%		1280
1074	8/ 3/88	54:39:48N	21	18	33.956	4.26+-	35.1%	112.57+-	1.0%	26.4	1281
1075	9/ 3/88	54:30: 0N	35	3	34.334		ND	91.03+-	0.9%		1282
1076	9/ 3/88	54:20: 0N	35	3	34.106		ND	94.50+-	0.8%		1283
1076	9/ 3/88	54:20: 0N	35	31	34.077	2.95+-	50.1%	96.59+-	1.1%	32.7	1284
1077	9/ 3/88	54:10: 0N	47	3	34.171		ND	81.61+-	0.9%		1285
1077	9/ 3/88	54:10: 0N	47	43	34.264		ND	76.53+-	1.0%		1286
1078	9/ 3/88	54:10: 0N	88	3	34.132		ND	117.95+-	0.7%		1287
1078	9/ 3/88	54:10: 0N	88	84	34.132	2.54+-	57.6%	90.66+-	1.2%	35.6	1288

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
1079	6/ 3/88	54:10: 0N	22	33.753	ND	113.36+- 1.0%		1210
1079	6/ 3/88	54:10: 0N	22	33.802	ND	109.64+- 1.0%		1211
1080	9/ 3/88	54:20: 0N	70	33.645	3.30+-44.8%	120.50+- 0.9%	36.6	1289
1081	9/ 3/88	54:20: 0N	121	34.135	4.33+-34.1%	86.85+- 1.3%	20.1	1290
1082	9/ 3/88	54:30: 0N	143	34.218	5.30+-26.9%	87.13+- 1.2%	16.4	1291
1082	9/ 3/88	54:30: 0N	143	34.429	ND	58.81+- 1.3%		1292
1083	9/ 3/88	54:39:48N	42	33.892	4.50+-32.4%	99.62+- 1.1%	22.1	1293
1083	9/ 3/88	54:39:48N	42	33.975	6.94+-22.8%	101.61+- 1.2%	14.6	1294
1084	9/ 3/88	54:40: 0N	150	33.942	3.79+-12.7%	105.51+- 0.3%	27.8	1295
1084	9/ 3/88	54:40: 0N	150	34.229	ND	77.80+- 1.4%		1296
1085	9/ 3/88	54:41: 0N	31	33.611	4.28+-33.3%	119.26+- 0.9%	27.8	1297
1085	9/ 3/88	54:41: 0N	31	33.629	3.46+-47.7%	118.45+- 0.9%	34.2	1298
1086	9/ 3/88	54:50: 0N	120	33.732	2.79+-53.3%	97.82+- 1.1%	35.1	1299
1087	9/ 3/88	54:50: 0N	140	33.601	6.27+-24.8%	114.60+- 1.0%	18.3	1300
1088	9/ 3/88	55: 0: 0N	77	32.729	4.25+-35.1%	147.54+- 0.8%	34.7	1301
1088	9/ 3/88	55: 0: 0N	77	33.732	6.42+-23.6%	111.97+- 1.0%	17.4	1302
1089	9/ 3/88	55: 0: 0N	147	32.968	7.32+-22.1%	106.89+- 1.1%	14.6	1303
1089	9/ 3/88	55: 0: 0N	147	33.929	8.65+-17.1%	133.23+- 0.9%	15.4	1304
1090	9/ 3/88	55: 0: 0N	81	33.879	7.01+-21.7%	101.36+- 1.1%	14.5	1305
1090	9/ 3/88	55: 0: 0N	81	34.140	ND	72.04+- 1.1%		1306
1091	9/ 3/88	55:25: 0N	106	33.905	5.48+-27.3%	89.50+- 1.2%	16.3	1307
1091	9/ 3/88	55:25: 0N	106	34.001	7.54+-19.9%	84.97+- 1.3%	11.3	1308
1092	10/ 3/88	55:30: 0N	62	34.224	4.63+-31.2%	66.28+- 1.6%	14.3	1309
1092	10/ 3/88	55:30: 0N	62	34.280	1.79+-30.0%	64.17+- 0.6%	35.9	1310
1092	10/ 3/88	55:30: 0N	62	34.373	ND	59.40+- 1.7%		1311
1093	10/ 3/88	55:30: 0N	77	34.713	3.00+-51.7%	36.90+- 2.9%	12.3	1312
1093	10/ 3/88	55:30: 0N	77	35.217	ND	11.80+- 5.6%		1313
1094	10/ 3/88	55:30: 0N	96	35.373	ND	3.50+-18.2%		1314
1094	10/ 3/88	55:30: 0N	96	35.378	ND	2.80+-23.4%		1315
1094	10/ 3/88	55:30: 0N	96	35.496	ND	4.80+-14.4%		1316

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
1095	10/ 3/88	56: 0: 0N	147	3	35.242	ND	13.70+- 7.3%		1317
1095	10/ 3/88	56: 0: 0N	147	138	35.336	ND	5.10+-12.3%		1318
1096	10/ 3/88	56: 0: 0N	143	3	34.969	ND	24.68+- 2.8%		1319
1096	10/ 3/88	56: 0: 0N	143	50	34.992	ND	21.20+- 3.2%		1320
1096	10/ 3/88	56: 0: 0N	143	140	35.273	ND	9.10+- 4.4%		1321
1097	11/ 3/88	56: 0: 0N	64	3	34.411	7.07+-14.7%	55.94+- 1.2%	7.9	1322
1097	11/ 3/88	56: 0: 0N	64	59	34.876	5.13+-20.5%	32.75+- 1.9%	6.4	1323
1098	11/ 3/88	56:30: 0N	86	3	34.815	3.24+-32.0%	41.90+- 1.5%	12.9	1324
1098	11/ 3/88	56:30: 0N	86	81	35.026	2.79+-40.3%	21.01+- 3.0%	7.5	1325
1099	11/ 3/88	57: 0: 0N	116	3	34.586	4.62+-23.2%	64.89+- 1.1%	14.0	1326
1099	11/ 3/88	57: 0: 0N	116	50	34.561	5.37+-20.4%	49.87+- 1.4%	9.3	1327
1099	11/ 3/88	57: 0: 0N	116	110	34.988	ND	21.56+- 2.0%		1328
1100	13/ 3/88	56:30: 0N	156	3	34.584	3.73+-27.8%	45.93+- 1.4%	12.3	1347
1100	13/ 3/88	56:30: 0N	156	151	35.242	ND	8.82+- 4.4%		1348
1101	13/ 3/88	56:30: 0N	146	3	35.397	ND	6.56+- 5.8%		1349
1101	13/ 3/88	56:30: 0N	146	100	35.366	ND	4.63+- 8.0%		1350
1101	13/ 3/88	56:30: 0N	146	141	35.364	ND	3.06+-11.8%		1351
1102	13/ 3/88	56:59:48N	132	3	35.442	ND	2.65+-14.1%		1352
1102	13/ 3/88	56:59:48N	132	127	35.338	ND	3.51+-11.5%		1353
1103	13/ 3/88	57: 0: 6N	125	3	34.609	2.51+-43.0%	50.62+- 1.3%	20.2	1344
1103	13/ 3/88	57: 0: 6N	125	50	34.710	3.12+-34.8%	38.14+- 1.7%	12.2	1345
1103	13/ 3/88	57: 0: 6N	125	120	35.090	1.85+-58.1%	17.71+- 3.3%	9.6	1346
1104	13/ 3/88	57:29:52N	88	3	34.969	2.82+-38.5%	34.62+- 1.8%	12.3	1342
1104	13/ 3/88	57:29:52N	88	83	34.778	ND	28.46+- 1.5%		1343
1105	13/ 3/88	57:30: 0N	139	3	35.207	ND	9.09+- 4.5%		1354
1105	13/ 3/88	57:30: 0N	139	100	35.162	ND	9.89+- 4.0%		1355
1105	13/ 3/88	57:30: 0N	139	134	35.276	ND	9.48+- 4.3%		1356
1106	14/ 3/88	58: 0:17N	172	3	35.314	ND	4.46+- 8.3%		1357
1106	14/ 3/88	58: 0:17N	172	167	35.305	ND	5.50+- 6.8%		1358
1107	14/ 3/88	58:29:52N	516	3	35.361	ND	3.40+-11.0%		1359

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
1107	14/ 3/88	58:29:52N	516	35.369	ND	2.86+-12.9%		1360
1107	14/ 3/88	58:29:52N	516	35.360	ND	2.48+-14.9%		1361
1108	14/ 3/88	59: 0: 0N	1375	35.320	ND	2.33+-15.5%		1362
1108	14/ 3/88	59: 0: 0N	1375	35.317	ND	2.62+-14.3%		1363
1108	14/ 3/88	59: 0: 0N	1375	35.319	ND	2.39+-15.4%		1364
1109	12/ 3/88	58:29:48N	150	35.345	ND	4.40+- 9.2%		1337
1109	12/ 3/88	58:29:48N	150	35.328	ND	6.20+- 6.5%		1338
1110	12/ 3/88	58: 0: 0N	82	35.121	ND	11.10+- 3.6%		1339
1110	12/ 3/88	58: 0: 0N	82	35.282	2.27+-48.1%	11.30+- 5.2%	5.0	1340
1110	12/ 3/88	58: 0: 0N	82	35.137	1.79+-58.5%	9.52+- 5.8%	5.3	1341
1111	12/ 3/88	58:30: 0N	73	35.163	ND	9.42+- 4.0%		1334
1111	12/ 3/88	58:30: 0N	73	35.165	ND	9.50+- 4.3%		1335
1111	12/ 3/88	58:30: 0N	73	NA	ND	9.50+- 4.1%		1336
1112	14/ 3/88	59: 0: 9N	190	35.339	ND	2.97+-13.5%		1365
1112	14/ 3/88	59: 0: 9N	190	35.331	ND	2.52+-15.2%		1366
1113	14/ 3/88	59:30: 6N	990	35.470	ND	2.80+-12.9%		1367
1113	14/ 3/88	59:30: 6N	990	35.325	ND	1.26+-30.2%		1368
1113	14/ 3/88	59:30: 6N	990	35.323	ND	1.89+-20.0%		1369
1114	14/ 3/88	60: 0: 0N	1040	35.315	ND	2.06+-18.5%		1370
1114	14/ 3/88	60: 0: 0N	1040	35.310	ND	1.43+-43.3%		1371
1114	14/ 3/88	60: 0: 0N	1040	35.564	ND	ND		1372
1115	15/ 3/88	59:30: 0N	140	35.331	ND	ND		1373
1115	15/ 3/88	59:30: 0N	140	35.323	ND	2.32+-27.6%		1374
1115	15/ 3/88	59:30: 0N	140	35.322	ND	2.06+-29.4%		1375
1116	15/ 3/88	58:59:48N	87	34.968	ND	16.86+- 3.7%		1376
1116	15/ 3/88	58:59:48N	87	35.281	ND	11.22+- 5.5%		1377
1116	15/ 3/88	58:59:48N	87	35.158	ND	8.91+- 7.2%		1378
1117	12/ 3/88	58:30: 0N	95	34.547	4.28+-24.0%	40.06+- 1.5%	9.4	1332
1117	12/ 3/88	58:30: 0N	95	34.994	2.31+-43.7%	15.44+- 3.6%	6.7	1333
1118	12/ 3/88	58: 0: 0N	62	34.264	5.83+-18.1%	60.23+- 1.1%	10.3	1330

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
1118	12/ 3/88	58: 0: 0N	62	58	34.289	5.43+-19.1%	59.24+- 1.1%	10.9	1331
1119	15/ 3/88	58:40: 0N	72	3	34.393	ND	44.19+- 1.6%		1379
1119	15/ 3/88	58:40: 0N	72	20	34.331	ND	45.88+- 1.6%		1380
1119	15/ 3/88	58:40: 0N	72	67	34.388	1.80+-59.2%	43.78+- 1.4%	24.3	1381
1126	16/ 3/88	58:40: 0N	86	3	34.471	5.07+-22.0%	40.30+- 1.6%	8.0	1382
1127	16/ 3/88	58:40: 0N	77	3	34.668	4.49+-23.3%	26.83+- 2.2%	6.0	1383
1128	16/ 3/88	59: 0: 0N	80	3	34.562	4.35+-25.0%	35.80+- 1.7%	8.2	1384
1128	16/ 3/88	59: 0: 0N	80	75	34.600	4.68+-23.2%	33.87+- 1.8%	7.2	1385
1129	16/ 3/88	59:30: 0N	62	3	34.894	1.96+-53.2%	22.13+- 2.6%	11.3	1386
1129	16/ 3/88	59:30: 0N	62	20	34.859	2.41+-43.4%	21.64+- 2.7%	9.0	1387
1129	16/ 3/88	59:30: 0N	62	57	34.883	2.50+-43.7%	20.53+- 2.9%	8.2	1388
1130	16/ 3/88	59:30: 0N	114	3	35.174	ND	8.62+- 7.3%		1393
1130	16/ 3/88	59:30: 0N	114	101	35.155	ND	8.87+- 6.8%		1394
1131	17/ 3/88	59: 0: 0N	80	3	35.134	ND	10.16+- 6.3%		1395
1131	17/ 3/88	59: 0: 0N	80	50	35.264	ND	10.12+- 6.3%		1396
1131	17/ 3/88	59: 0: 0N	80	75	35.165	ND	9.50+- 6.9%		1397
1132	17/ 3/88	59: 0: 0N	68	3	35.018	2.45+-43.6%	18.81+- 3.1%	7.7	1398
1132	17/ 3/88	59: 0: 0N	68	59	34.905	ND	19.12+- 3.1%		1399
1133	17/ 3/88	58:29:42N	59	3	34.661	2.25+-47.8%	28.06+- 2.1%	12.5	1400
1134	17/ 3/88	58: 0: 0N	62	3	34.723	3.17+-33.7%	26.30+- 2.3%	8.3	1401
1134	17/ 3/88	58: 0: 0N	62	57	34.859	1.89+-57.2%	25.79+- 2.3%	13.6	1402
1135	17/ 3/88	58: 0: 0N	91	3	34.755	3.12+-33.5%	24.18+- 2.4%	7.8	1403
1135	17/ 3/88	58: 0: 0N	91	20	34.901	3.89+-27.5%	20.57+- 2.8%	5.3	1404
1135	17/ 3/88	58: 0: 0N	91	86	34.901	1.91+-55.9%	18.50+- 3.1%	9.7	1405
1136	17/ 3/88	58:30: 0N	100	3	35.010	ND	14.15+- 4.7%		1406
1136	17/ 3/88	58:30: 0N	100	95	35.068	ND	12.36+- 5.2%		1407
1137	17/ 3/88	58:30: 0N	101	3	35.155	ND	8.20+- 7.4%		1408
1137	17/ 3/88	58:30: 0N	101	20	35.155	ND	8.79+- 7.0%		1409
1137	17/ 3/88	58:30: 0N	101	94	35.205	ND	9.19+- 6.9%		1410
1138	18/ 3/88	58: 0: 0N	119	3	35.150	ND	8.89+- 7.0%		1411

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
1138	18/ 3/88	58: 0: 0N	119	114	35.265	ND	8.38+- 7.6%		1412
1139	18/ 3/88	57:30: 0N	90	3	34.766	ND	29.11+- 2.3%		1413
1139	18/ 3/88	57:30: 0N	90	85	34.759	2.80+-58.7%	29.47+- 3.4%	10.5	1414
1140	18/ 3/88	57: 0: 0N	66	3	34.636	3.74+-44.0%	28.97+- 3.5%	7.7	1415
1141	18/ 3/88	56:30: 0N	70	3	34.797	2.09+-50.0%	27.84+- 2.1%	13.3	1416
1142	18/ 3/88	56: 0: 0N	67	3	34.935	ND	25.50+- 1.8%		1417
1143	18/ 3/88	55:30: 0N	114	3	34.622	2.71+-42.3%	29.95+- 2.1%	11.1	1418
1144	19/ 3/88	55: 0: 0N	73	3	34.623	2.53+-41.4%	25.31+- 2.3%	10.0	1419
1145	19/ 3/88	54:30: 0N	58	3	34.384	2.82+-38.8%	31.14+- 2.0%	11.1	1420
1146	19/ 3/88	54: 0: 0N	50	3	34.388	2.89+-55.5%	30.58+- 3.2%	10.6	1421
1147	19/ 3/88	53:30: 0N	18	3	34.507	ND	30.67+- 2.2%		1422
1148	19/ 3/88	53: 0: 0N	28	3	NA	ND	31.47+- 2.2%		1423
1199	11/ 3/88	57:30: 0N	142	3	34.287	4.65+-22.6%	63.50+- 1.1%	13.7	1329
1229	16/ 3/88	60: 0: 0N	104	3	35.178	ND	10.10+- 4.1%		1389
1229	16/ 3/88	60: 0: 0N	104	99	35.180	ND	10.30+- 4.0%		1390
1230	16/ 3/88	59:59:48N	77	3	35.219	ND	8.76+- 7.2%		1391
1230	16/ 3/88	59:59:48N	77	72	35.185	ND	7.05+- 9.3%		1392
Site 51 Challenger									
1001	26/10/88	54:39:54N		0	NA	5.31+-27.8%	117.30+- 0.9%	22.1	9010
1003	30/10/88	55:18: 3N		0	NA	5.16+-29.3%	114.21+- 1.0%	22.1	9011
1005	30/10/88	55:53:59N		0	NA	3.39+-44.4%	125.72+- 0.9%	37.1	9012
1007	30/10/88	55:38: 4N		0	NA	ND	65.84+- 1.1%		9013
1008	30/10/88	56:10: 6N		0	NA	ND	52.78+- 1.3%		9014
1009	31/10/88	56:44: 5N		0	NA	ND	20.80+- 3.1%		9015
1010	31/10/88	57:37: 0N		0	NA	ND	34.78+- 1.9%		9016
1011	31/10/88	58: 5:57N		0	NA	ND	33.69+- 1.9%		9017
1012	3/11/88	58:39:57N		0	NA	ND	29.30+- 2.2%		9018
1013	3/11/88	58:43: 1N		0	NA	ND	27.71+- 2.4%		9019

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
<b>Site 38 Cirolana</b>								
6019	26/ 6/89	68:12: 9N 19:43:36W	1178	NA	ND	5.39+-13.7%		8332
6019	26/ 6/89	68:12: 9N 19:43:36W	1178	NA	ND	9.80+- 7.4%		8333
6019	26/ 6/89	68:12: 9N 19:43:36W	1178	NA	ND	4.38+-16.9%		8334
6019	26/ 6/89	68:12: 9N 19:43:36W	1178	NA	ND	6.63+-13.0%		8335
6019	26/ 6/89	68:12: 9N 19:43:36W	1178	NA	ND	6.60+-11.0%		8336
6019	26/ 6/89	68:12: 9N 19:43:36W	1178	NA	ND	2.61+-24.0%		8337
6019	26/ 6/89	68:12: 9N 19:43:36W	1178	NA	ND	2.65+-23.9%		8338
6019	26/ 6/89	68:12: 9N 19:43:36W	1178	NA	ND	2.76+-23.3%		8339
6020	26/ 6/89	68:12: 9N 19:44:15W	1170	NA	ND	8.90+- 7.9%		8340
6020	26/ 6/89	68:12: 9N 19:44:15W	1170	NA	ND	7.82+- 8.9%		8341
6044	30/ 6/89	65:49:30N 28:19: 3W	672	NA	ND	4.30+- 7.2%		8342
6044	30/ 6/89	65:49:30N 28:19: 3W	672	NA	ND	2.60+-12.7%		8343
6044	30/ 6/89	65:49:30N 28:19: 3W	672	NA	ND	3.01+-10.7%		8344
6044	30/ 6/89	65:49:30N 28:19: 3W	672	NA	ND	3.20+-13.6%		8345
6061	3/ 7/89	63:16:18N 35:52:42W	2334	NA	ND	5.60+- 5.9%		8346
<b>Site 38 Cirolana</b>								
7003	12/ 8/89	52:45: 6N 2:22:54E	48	NA	ND	23.57+- 1.7%		5908
7006	12/ 8/89	52:52:54N 2:50: 6E	35	NA	ND	18.94+- 2.1%		5910
7009	12/ 8/89	52:16:30N 2:52:36E	42	NA	ND	5.53+- 6.2%		5912
7012	13/ 8/89	52:25:30N 3:43:54E	29	NA	ND	6.20+- 5.7%		5914
7013	13/ 8/89	52:29:42N 4: 0: 6E	26	NA	ND	6.38+- 5.6%		5915
7020	14/ 8/89	53: 7:24N 3: 7:18E	31	NA	ND	23.79+- 1.6%		5916
7027	15/ 8/89	53:52:42N 3:37: 6E	35	NA	ND	16.53+- 2.1%		5917
7032	15/ 8/89	53:39:48N 5: 0:18E	31	NA	ND	6.10+- 5.6%		5918
7037	16/ 8/89	54:38: 0N 5:32:30E	45	NA	ND	16.20+- 2.4%		5923

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7038	16/ 8/89	54:45: 6N	42	3	NA	ND	17.92+- 2.1%		5924
7045	17/ 8/89	54: 5:30N	69	3	NA	ND	15.54+- 2.5%		5927
7048	17/ 8/89	54: 0: 0N	45	3	NA	ND	22.67+- 1.8%		5929
7053	18/ 8/89	54:57:18N	84	3	NA	ND	22.32+- 1.8%		5931
7060	19/ 8/89	54:47:24N	40	3	NA	1.42+-51.4%	22.85+- 2.4%	16.1	5932
7069	20/ 8/89	55:25: 6N	32	3	NA	ND	23.74+- 1.7%		5933
7072	20/ 8/89	55:40:12N	46	3	NA	ND	20.74+- 2.9%		5934
7077	21/ 8/89	55:33:24N	45	3	NA	ND	17.80+- 3.2%		5935
7086	22/ 8/89	54:56:42N	30	3	NA	ND	11.20+- 5.2%		5936
7089	22/ 8/89	56: 0: 6N	34	3	NA	2.28+-48.7%	18.59+- 4.7%	8.1	5937
7092	23/ 8/89	56:29:30N	38	3	NA	3.16+-36.3%	17.20+- 5.3%	5.5	5940
7098	23/ 8/89	56:45:54N	47	3	NA	ND	18.14+- 3.2%		5942
7099	23/ 8/89	56:59:48N	39	3	NA	ND	19.62+- 2.9%		5943
7099	23/ 8/89	56:59:48N	39	35	NA	ND	18.76+- 2.9%		5944
7100	23/ 8/89	57: 0:30N	35	3	NA	ND	17.85+- 3.0%		5945
7100	23/ 8/89	57: 0:30N	35	29	NA	ND	18.72+- 2.9%		5946
7101	24/ 8/89	57:30: 0N	31	3	NA	ND	17.67+- 3.3%		5947
7102	24/ 8/89	57:44:54N	70	3	NA	2.24+-50.0%	16.75+- 5.3%	7.5	5948
7102	24/ 8/89	57:44:54N	70	40	NA	3.60+-31.6%	16.56+- 5.4%	4.6	5949
7103	24/ 8/89	58: 0: 0N	95	3	NA	4.07+-28.0%	23.93+- 3.8%	5.9	5950
7103	24/ 8/89	58: 0: 0N	95	85	NA	3.86+-29.5%	19.51+- 4.6%	5.0	5951
7104	24/ 8/89	58:30: 0N	550	3	NA	2.91+-39.7%	22.78+- 4.0%	7.8	5952
7104	24/ 8/89	58:30: 0N	550	20	NA	ND	11.52+- 4.9%		5953
7104	24/ 8/89	58:30: 0N	550	530	NA	ND	25.37+- 2.3%		5954
7105	24/ 8/89	58:50: 0N	205	3	NA	3.36+-34.4%	27.14+- 3.4%	8.1	5955
7105	24/ 8/89	58:50: 0N	205	20	NA	3.26+-35.1%	19.04+- 4.7%	5.8	5956
7105	24/ 8/89	58:50: 0N	205	160	NA	ND	7.40+- 6.9%		5957
7106	24/ 8/89	58:22:42N	260	3	NA	ND	20.10+- 2.9%		5958
7107	24/ 8/89	57:55:12N	545	3	NA	2.78+-41.6%	18.54+- 4.9%	6.7	5959
7107	24/ 8/89	57:55:12N	545	20	NA	ND	18.02+- 3.2%		5960

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7107	24/ 8/89	57:55:12N	545	380	NA	ND	6.06+- 9.2%		5961
7107	24/ 8/89	57:55:12N	545	540	NA	2.47+-47.7%	20.78+- 4.4%	8.4	5962
7108	25/ 8/89	57:29:48N	195	3	NA	ND	24.88+- 2.4%		5963
7114	25/ 8/89	57: 0: 0N	60	3	NA	ND	15.77+- 3.7%		5964
7114	25/ 8/89	57: 0: 0N	60	55	NA	ND	22.50+- 2.6%		5965
7118	26/ 8/89	58: 5:24N	176	3	NA	ND	19.30+- 3.0%		5966
7124	27/ 8/89	59:18:36N	137	3	NA	ND	5.36+-10.1%		5973
7127	27/ 8/89	59:24:42N	129	3	NA	ND	2.31+-24.5%		5974
7132	28/ 8/89	60:18:30N	115	3	NA	ND	1.52+-35.2%		5975
7137	28/ 8/89	60:38: 6N	199	3	NA	1.40+-44.7%	1.45+-26.3%	1.0	5976
7140	29/ 8/89	61:27:36N	182	3	NA	ND	1.30+-42.6%		5977
7143	29/ 8/89	61:14: 0N	170	3	NA	1.77+-35.3%	2.51+-15.3%	1.4	5980
7148	31/ 8/89	60:15: 0N	149	3	NA	1.25+-50.8%	2.72+-14.4%	2.2	5981
7153	1/ 9/89	61: 0: 0N	125	3	NA	1.38+-44.7%	2.55+-15.0%	1.8	5983
7156	1/ 9/89	61: 2:24N	150	3	NA	ND	2.17+-11.9%		5985
7157	1/ 9/89	60:53:24N	132	3	NA	ND	1.11+-49.1%		5986
7160	1/ 9/89	60:31:12N	150	3	NA	ND	0.92+-59.8%		5987
7163	2/ 9/89	59: 5:30N	73	3	NA	ND	4.49+-11.6%		5989
7168	2/ 9/89	59:34: 6N	125	3	NA	ND	1.53+-35.9%		5990
7171	3/ 9/89	59:15:12N	138	3	NA	ND	1.83+-30.0%		5991
7174	3/ 9/89	59:12:24N	145	3	NA	ND	3.41+-16.5%		5996
7179	4/ 9/89	58:17:12N	51	3	NA	ND	10.23+- 5.6%		5997
7182	4/ 9/89	58: 3:18N	68	3	NA	ND	8.44+- 6.8%		5998
7185	4/ 9/89	57:58:30N	111	3	NA	ND	4.49+-12.5%		5999
7200	6/ 9/89	58:16: 0N	108	3	NA	ND	7.42+- 7.6%		6000
7203	6/ 9/89	58: 3: 0N	83	3	NA	ND	9.29+- 6.1%		6001
7208	7/ 9/89	57:18:12N	83	3	NA	ND	15.50+- 3.8%		6004
7213	7/ 9/89	57: 0: 0N	66	3	NA	ND	15.89+- 3.7%		6006
7213	7/ 9/89	57: 0: 0N	66	60	NA	ND	15.29+- 3.8%		6007
7218	8/ 9/89	56:44: 0N	97	3	NA	ND	14.75+- 3.9%		6009

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
7221	8/ 9/89	57: 0:30N	92	3	NA	ND	13.44+- 4.3%		6010
7221	8/ 9/89	57: 0:30N	92	86	NA	ND	18.94+- 3.1%		6011
7224	9/ 9/89	56:46:12N	87	3	NA	ND	14.53+- 4.0%		6014
7229	9/ 9/89	56:59:54N	72	3	NA	ND	10.47+- 5.4%		6015
7229	9/ 9/89	56:59:54N	72	67	NA	ND	8.61+- 6.5%		6016
7236	10/ 9/89	56: 0: 0N	58	3	NA	ND	16.20+- 3.5%		6017
7239	11/ 9/89	55:55:24N	0: 0: 0W	3	NA	1.66+-50.8%	21.22+- 2.6%	12.8	6018
<b>Site 38 Cirolana</b>									
8001	27/ 9/89	52:29:54N	28	3	NA	3.29+-22.8%	27.89+- 2.1%	8.5	6108
8002	27/ 9/89	53: 0:18N	34	3	NA	3.85+-19.7%	25.98+- 2.2%	6.7	6109
8003	27/ 9/89	53:30: 0N	23	3	NA	3.08+-24.0%	29.86+- 1.9%	9.7	6110
8004	27/ 9/89	53:59:30N	61	3	NA	3.00+-20.6%	20.21+- 2.3%	6.7	6111
8004	27/ 9/89	53:59:30N	61	56	NA	3.83+-19.2%	24.55+- 2.3%	6.4	6112
8005	27/ 9/89	53:59: 6N	16	3	NA	4.27+-17.4%	24.82+- 2.3%	5.8	6113
8006	28/ 9/89	55: 0: 0N	22	3	NA	1.50+-42.9%	21.70+- 2.0%	14.5	6114
8007	28/ 9/89	55: 0: 0N	47	3	NA	4.99+-14.8%	17.97+- 3.0%	3.6	6115
8008	28/ 9/89	55:59:45N	72	3	NA	3.95+-18.6%	20.58+- 2.7%	5.2	6116
8008	28/ 9/89	55:59:45N	72	68	NA	3.70+-21.8%	19.12+- 3.1%	5.2	6117
8009	28/ 9/89	56:30: 0N	64	3	NA	2.17+-35.5%	16.59+- 3.3%	7.7	6118
8010	28/ 9/89	56:59:57N	59	3	NA	ND	12.97+- 2.9%		6119
8010	28/ 9/89	56:59:57N	59	54	NA	ND	16.91+- 2.5%		6121
8011	28/ 9/89	57:29:54N	80	3	NA	ND	8.52+- 4.4%		6122
8012	28/ 9/89	58: 0: 0N	92	3	NA	ND	6.06+- 5.9%		6123
8012	28/ 9/89	58: 0: 0N	92	32	NA	ND	2.50+-10.1%		6124
8012	28/ 9/89	58: 0: 0N	92	83	NA	ND	3.20+- 7.9%		6125
8013	29/ 9/89	58:30: 6N	280	3	NA	5.01+-15.8%	19.68+- 2.9%	3.9	6126
8014	29/ 9/89	59: 0:15N	260	3	NA	5.24+-15.0%	23.23+- 2.4%	4.4	6127
8014	29/ 9/89	59: 0:15N	260	65	NA	3.28+-23.9%	11.45+- 4.7%	3.5	6128

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8014	29/ 9/89	59: 0:15N	260	241	NA	ND	7.71+- 5.2%		6129
8015	29/ 9/89	59:29:42N	264	3	NA	3.55+-21.2%	23.08+- 2.4%	6.5	6130
8016	29/ 9/89	60: 0:30N	261	3	NA	ND	8.60+- 4.3%		6131
8016	29/ 9/89	60: 0:30N	261	24	NA	ND	3.75+- 8.9%		6132
8016	29/ 9/89	60: 0:30N	261	150	NA	ND	3.56+- 9.3%		6133
8016	29/ 9/89	60: 0:30N	261	250	NA	ND	5.75+- 6.5%		6134
8017	29/ 9/89	60:30: 0N	320	3	NA	1.62+-47.0%	16.27+- 3.4%	10.1	6135
8018	29/ 9/89	60:59:54N	91	3	NA	ND	18.97+- 2.1%		6136
8018	29/ 9/89	60:59:54N	91	30	NA	ND	17.12+- 2.2%		6137
8018	29/ 9/89	60:59:54N	91	60	NA	ND	6.77+- 5.4%		6138
8018	29/ 9/89	60:59:54N	91	85	NA	ND	9.94+- 3.8%		6139
8019	29/ 9/89	61:30: 6N	335	3	NA	1.86+-40.4%	16.75+- 3.3%	9.0	6140
8020	29/ 9/89	62: 0:15N	161	3	NA	ND	11.72+- 3.3%		6141
8020	29/ 9/89	62: 0:15N	161	48	NA	ND	4.74+- 9.0%		6142
8020	29/ 9/89	62: 0:15N	161	135	NA	ND	9.41+- 4.0%		6143
8021	29/ 9/89	62:30: 0N	163	3	NA	ND	16.29+- 2.0%		6144
8022	30/ 9/89	63: 0: 6N	317	3	NA	ND	3.38+-10.5%		6145
8022	30/ 9/89	63: 0: 6N	317	100	NA	ND	2.58+-13.6%		6146
8022	30/ 9/89	63: 0: 6N	317	200	NA	ND	4.54+- 8.0%		6147
8022	30/ 9/89	63: 0: 6N	317	304	NA	ND	5.00+- 7.2%		6148
8023	30/ 9/89	62:59:45N	191	3	NA	ND	8.31+- 4.5%		6149
8023	30/ 9/89	62:59:45N	191	31	NA	ND	5.70+-12.9%		6150
8023	30/ 9/89	62:59:45N	191	73	NA	ND	5.41+-10.0%		6151
8023	30/ 9/89	62:59:45N	191	175	NA	ND	4.19+- 8.7%		6152
8024	30/ 9/89	63:20: 0N	238	3	NA	ND	14.67+- 2.7%		6153
8025	30/ 9/89	63:40: 0N	201	3	NA	ND	6.20+- 5.9%		6154
8026	30/ 9/89	64: 0: 3N	322	3	NA	ND	8.99+- 4.2%		6155
8026	30/ 9/89	64: 0: 3N	322	50	NA	ND	5.63+- 6.3%		6156
8026	30/ 9/89	64: 0: 3N	322	300	NA	ND	3.79+- 9.5%		6157
8027	30/ 9/89	64:30: 0N	205	3	NA	ND	7.71+- 4.7%		6158

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8028	30/ 9/89	64:59:57N 10: 0: 9E	281	3	NA	ND	7.07+- 5.2%		6159
8028	30/ 9/89	64:59:57N 10: 0: 9E	281	100	NA	ND	7.35+- 5.0%		6160
8028	30/ 9/89	64:59:57N 10: 0: 9E	281	270	NA	ND	3.93+- 9.1%		6161
8029	30/ 9/89	65:30: 0N 10:30: 0E	372	3	NA	ND	10.43+- 3.6%		6162
8030	1/10/89	66: 0: 9N 11: 0: 6E	285	3	NA	ND	11.53+- 2.7%		6163
8030	1/10/89	66: 0: 9N 11: 0: 6E	285	75	NA	ND	8.50+- 4.7%		6164
8030	1/10/89	66: 0: 9N 11: 0: 6E	285	265	NA	ND	4.11+- 8.7%		6165
8031	1/10/89	66:30: 6N 11:30: 0E	307	3	NA	ND	9.28+- 3.6%		6166
8032	1/10/89	66:59:57N 12: 0: 0E	357	3	NA	ND	9.27+- 4.0%		6167
8032	1/10/89	66:59:57N 12: 0: 0E	357	59	NA	ND	4.60+- 7.7%		6168
8032	1/10/89	66:59:57N 12: 0: 0E	357	331	NA	ND	4.08+- 8.6%		6169
8033	1/10/89	67:29:54N 10:59:30E	160	3	NA	ND	12.00+- 3.1%		6170
8034	1/10/89	68: 0: 0N 11:59:54E	184	3	NA	ND	11.03+- 3.4%		6171
8035	1/10/89	68:30: 6N 12:59:48E	208	3	NA	ND	13.85+- 2.8%		6172
8036	1/10/89	69: 0: 0N 14: 0: 0E	212	3	NA	ND	5.77+- 5.9%		6173
8037	2/10/89	69:29:42N 14:59:45E	1100	3	NA	ND	3.10+-10.4%		6174
8037	2/10/89	69:29:42N 14:59:45E	1100	51	NA	ND	2.18+-17.6%		6175
8037	2/10/89	69:29:42N 14:59:45E	1100	152	NA	ND	1.78+-19.5%		6176
8037	2/10/89	69:29:42N 14:59:45E	1100	1002	NA	ND	1.36+-27.7%		6177
8038	2/10/89	69:30:42N 16: 1: 6E	279	3	NA	ND	5.61+- 6.4%		6178
8038	2/10/89	69:30:42N 16: 1: 6E	279	100	NA	4.37+-20.1%	5.37+-11.1%	1.2	6179
8038	2/10/89	69:30:42N 16: 1: 6E	279	257	NA	3.36+-25.8%	5.63+-10.5%	1.7	6180
8039	2/10/89	70: 0: 0N 17:29:18E	85	3	NA	4.43+-17.6%	12.75+- 4.3%	2.9	6181
8040	2/10/89	70:30: 0N 19:59:33E	134	3	NA	2.78+-27.8%	13.30+- 4.1%	4.8	6182
8040	2/10/89	70:30: 0N 19:59:33E	134	75	NA	1.30+-46.5%	10.10+- 3.9%	7.8	6184
8040	2/10/89	70:30: 0N 19:59:33E	134	122	NA	3.77+-24.9%	9.98+- 6.5%	2.6	6185
8041	2/10/89	71: 0: 0N 20: 0: 0E	185	3	NA	1.83+-41.9%	12.15+- 4.4%	6.6	6186
8042	2/10/89	71: 0:42N 22:30:45E	218	3	NA	2.44+-31.6%	12.57+- 4.3%	5.1	6187
8042	2/10/89	71: 0:42N 22:30:45E	218	30	NA	1.84+-42.1%	11.29+- 4.8%	6.1	6188
8042	2/10/89	71: 0:42N 22:30:45E	218	60	NA	ND	7.90+- 6.4%		6189

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8042	2/10/89	71: 0:42N 22:30:45E	218	196	NA	2.85+-30.2%	9.27+-	6.4%	3.3
8043	3/10/89	71:20: 6N 25: 1:12E	315	3	NA	1.94+-40.2%	8.90+-	6.1%	4.6
8043	3/10/89	71:20: 6N 25: 1:12E	315	60	NA	1.32+-56.7%	8.59+-	6.0%	6.5
8043	3/10/89	71:20: 6N 25: 1:12E	315	295	NA	1.35+-55.4%	5.04+-10.1%		3.7
8044	3/10/89	71:20:18N 27:30:12E	355	3	NA	2.51+-30.1%	9.84+-	5.3%	3.9
8045	3/10/89	71: 0: 0N 29:59:12E	305	3	NA	3.17+-23.8%	12.73+-	4.2%	4.0
8045	3/10/89	71: 0: 0N 29:59:12E	305	105	NA	3.50+-22.7%	11.71+-	4.7%	3.4
8045	3/10/89	71: 0: 0N 29:59:12E	305	180	NA	3.08+-32.6%	11.91+-	5.8%	3.9
8045	3/10/89	71: 0: 0N 29:59:12E	305	282	NA	3.29+-22.3%	7.83+-	6.4%	2.4
8046	3/10/89	71:30: 0N 30: 0: 0E	308	3	NA	1.48+-51.2%	12.56+-	4.2%	8.5
8047	3/10/89	71:59:48N 30: 0:39E	328	3	NA	ND	7.57+-	4.7%	6201
8047	3/10/89	71:59:48N 30: 0:39E	328	46	NA	ND	7.09+-	5.1%	6202
8047	3/10/89	71:59:48N 30: 0:39E	328	276	NA	ND	6.49+-	6.2%	6203
8047	3/10/89	71:59:48N 30: 0:39E	328	313	NA	ND	8.21+-	4.3%	6204
8048	3/10/89	72:30:12N 29:59:54E	283	3	NA	ND	6.85+-	5.3%	6205
8049	3/10/89	73: 0:12N 29:59:33E	277	3	NA	ND	7.19+-	5.0%	6206
8049	3/10/89	73: 0:12N 29:59:33E	277	71	NA	ND	6.22+-	5.5%	6207
8049	3/10/89	73: 0:12N 29:59:33E	277	227	NA	ND	6.71+-	6.5%	6208
8049	3/10/89	73: 0:12N 29:59:33E	277	264	NA	ND	7.71+-	4.6%	6209
8050	4/10/89	73:30:12N 30: 0: 0E	390	3	NA	ND	6.26+-	5.8%	6210
8051	4/10/89	74: 0:21N 30: 0:27E	350	3	NA	ND	6.43+-	5.6%	6211
8051	4/10/89	74: 0:21N 30: 0:27E	350	49	NA	ND	6.35+-	5.7%	6212
8051	4/10/89	74: 0:21N 30: 0:27E	350	120	NA	ND	5.91+-	7.1%	6213
8051	4/10/89	74: 0:21N 30: 0:27E	350	325	NA	ND	8.66+-	4.2%	6214
8052	4/10/89	74:30:12N 30: 0:12E	365	3	NA	ND	5.30+-	6.7%	6215
8053	4/10/89	74:59:45N 29:59:42E	384	3	NA	ND	6.50+-	5.6%	6216
8053	4/10/89	74:59:45N 29:59:42E	384	61	NA	ND	5.27+-	6.5%	6218
8053	4/10/89	74:59:45N 29:59:42E	384	345	NA	ND	9.57+-	5.5%	6219
8053	4/10/89	74:59:45N 29:59:42E	384	370	NA	ND	10.26+-	3.9%	6220
8054	4/10/89	75: 0: 0N 27:29:36E	325	3	NA	ND	7.07+-	5.1%	6221

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
8055	4/10/89	75: 0:18N 25: 0: 9E	188	3	NA	1.70+-45.8%	7.30+- 7.2%	4.3	6222
8055	4/10/89	75: 0:18N 25: 0: 9E	188	25	NA	1.41+-51.3%	8.25+- 6.2%	5.8	6223
8055	4/10/89	75: 0:18N 25: 0: 9E	188	75	NA	ND	8.49+- 6.0%		6224
8055	4/10/89	75: 0:18N 25: 0: 9E	188	172	NA	ND	8.31+- 4.8%		6225
8056	4/10/89	74:29:48N 24:59:48E	309	3	NA	ND	5.11+- 6.9%		6226
8057	4/10/89	73:59:57N 24:59:51E	459	3	NA	ND	5.43+- 6.7%		6227
8057	4/10/89	73:59:57N 24:59:51E	459	50	NA	ND	5.61+- 6.4%		6228
8057	4/10/89	73:59:57N 24:59:51E	459	201	NA	ND	5.96+- 6.9%		6229
8057	4/10/89	73:59:57N 24:59:51E	459	445	NA	ND	8.15+- 4.4%		6230
8058	4/10/89	73:29:48N 25: 0: 0E	430	3	NA	ND	5.14+- 7.0%		6231
8059	5/10/89	73: 0: 6N 25: 0:12E	430	3	NA	ND	4.19+- 8.5%		6232
8059	5/10/89	73: 0: 6N 25: 0:12E	430	75	NA	ND	3.20+-13.8%		6233
8059	5/10/89	73: 0: 6N 25: 0:12E	430	420	NA	ND	6.93+- 5.3%		6234
8060	5/10/89	72:30: 0N 25: 0: 0E	248	3	NA	ND	8.38+- 4.4%		6235
8061	5/10/89	71:59:54N 24:59:30E	266	3	NA	ND	8.09+- 4.5%		6236
8061	5/10/89	71:59:54N 24:59:30E	266	50	NA	1.79+-43.2%	6.24+- 8.4%	3.5	6237
8061	5/10/89	71:59:54N 24:59:30E	266	100	NA	1.71+-58.6%	5.73+-11.8%	3.3	6238
8061	5/10/89	71:59:54N 24:59:30E	266	266	NA	ND	8.28+- 4.7%		6239
8062	5/10/89	71:45: 0N 22:30: 0E	385	3	NA	ND	7.32+- 5.1%		6240
8063	5/10/89	71:29:27N 19:59:57E	230	3	NA	ND	5.79+- 6.3%		6241
8063	5/10/89	71:29:27N 19:59:57E	230	90	NA	ND	4.92+- 7.4%		6242
8063	5/10/89	71:29:27N 19:59:57E	230	241	NA	ND	3.61+-10.4%		6243
8064	5/10/89	72: 0: 6N 20: 0: 0E	335	3	NA	ND	6.55+- 5.3%		6244
8064	5/10/89	72: 0: 6N 20: 0: 0E	335	91	NA	ND	4.16+- 8.6%		6245
8064	5/10/89	72: 0: 6N 20: 0: 0E	335	319	NA	ND	2.36+-16.3%		6246
8065	5/10/89	72:30: 0N 20: 0:30E	380	3	NA	ND	4.60+- 7.6%		6247
8066	6/10/89	73:29:51N 20: 0:24E	440	3	NA	ND	6.03+- 6.0%		6248
8066	6/10/89	73:29:51N 20: 0:24E	440	79	NA	ND	4.35+- 8.1%		6249
8066	6/10/89	73:29:51N 20: 0:24E	440	418	NA	ND	5.51+- 7.3%		6250
8067	6/10/89	73:30: 0N 20: 0:12E	490	3	NA	ND	5.68+- 6.3%		6251

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8068	6/10/89	73:59:57N 19:59: 6E	179	3	NA	ND	8.50+- 4.4%		6252
8068	6/10/89	73:59:57N 19:59: 6E	179	15	NA	ND	8.53+- 4.3%		6253
8068	6/10/89	73:59:57N 19:59: 6E	179	80	NA	1.81+-42.1%	7.03+- 7.3%	3.9	6254
8068	6/10/89	73:59:57N 19:59: 6E	179	167	NA	2.64+-32.8%	8.34+- 7.0%	3.2	6255
8069	6/10/89	74:30: 0N 19:59:54E	86	3	NA	2.84+-28.1%	8.41+- 6.4%	3.0	6256
8070	6/10/89	75: 0: 6N 19:59:18E	41	3	NA	ND	8.06+- 4.6%		6257
8070	6/10/89	75: 0: 6N 19:59:18E	41	30	NA	ND	9.12+- 4.0%		6258
8071	6/10/89	75:30:27N 18:21:21E	116	3	NA	ND	6.90+- 4.9%		6259
8071	6/10/89	75:30:27N 18:21:21E	116	56	NA	ND	5.92+- 5.9%		6260
8071	6/10/89	75:30:27N 18:21:21E	116	106	NA	ND	5.51+- 7.4%		6261
8072	6/10/89	76: 0: 0N 16:40: 0E	330	3	NA	ND	5.47+- 6.5%		6262
8072	6/10/89	76: 0: 0N 16:40: 0E	330	73	NA	ND	4.97+- 6.9%		6263
8072	6/10/89	76: 0: 0N 16:40: 0E	330	318	NA	ND	6.09+- 7.0%		6264
8073	6/10/89	76:29:15N 14:59: 3E	217	3	NA	ND	7.95+- 4.6%		6265
8073	6/10/89	76:29:15N 14:59: 3E	217	50	NA	ND	8.21+- 4.5%		6266
8073	6/10/89	76:29:15N 14:59: 3E	217	125	NA	ND	6.42+-10.3%		6267
8073	6/10/89	76:29:15N 14:59: 3E	217	184	NA	1.94+-45.9%	7.50+- 8.3%	3.9	6268
8074	7/10/89	75:59:54N 15: 0:18E	348	3	NA	2.69+-27.9%	6.78+- 7.7%	2.5	6269
8075	7/10/89	75:30: 0N 15: 1:12E	391	3	NA	1.83+-41.6%	5.89+- 8.9%	3.2	6270
8075	7/10/89	75:30: 0N 15: 1:12E	391	100	NA	2.88+-26.8%	4.34+-12.3%	1.5	6271
8075	7/10/89	75:30: 0N 15: 1:12E	391	375	NA	ND	7.20+- 4.6%		6272
8076	7/10/89	75: 0: 3N 14:59:30E	1125	3	NA	3.74+-20.6%	5.61+- 9.4%	1.5	6273
8076	7/10/89	75: 0: 3N 14:59:30E	1125	140	NA	ND	4.00+- 6.1%		6274
8076	7/10/89	75: 0: 3N 14:59:30E	1125	1096	NA	ND	0.40+-50.6%		6275
8077	7/10/89	74:30: 0N 15: 0: 0E	1457	3	NA	3.65+-21.3%	5.43+- 9.8%	1.5	6276
8078	7/10/89	73:59:57N 15: 1:21E	1457	3	NA	ND	4.89+- 7.2%		6277
8078	7/10/89	73:59:57N 15: 1:21E	1457	100	NA	ND	4.63+- 7.6%		6278
8078	7/10/89	73:59:57N 15: 1:21E	1457	1442	NA	ND	0.74+-43.7%		6279
8079	8/10/89	73:45: 9N 13:25: 0E	1680	1670	NA	ND	ND		6282
8080	8/10/89	73:43: 0N 13:15:36E	1686	1673	NA	ND	ND		6284

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
8081	8/10/89	73:40:51N 13:24:45E	1633	NA	ND	1.00+-23.8%		6286
8082	8/10/89	73:42:30N 13:33:12E	1582	NA	ND	0.60+-36.8%		6289
8083	9/10/89	73:29:48N 15:0:18E	3	NA	2.79+-27.2%	4.53+-11.5%	1.6	6290
8084	9/10/89	73:0:21N 15:0:6E	545	NA	2.89+-26.4%	5.87+-9.0%	2.0	6291
8084	9/10/89	73:0:21N 15:0:6E	545	NA	ND	3.50+-7.2%		6292
8084	9/10/89	73:0:21N 15:0:6E	545	NA	2.93+-28.5%	6.39+-9.0%	2.2	6293
8085	9/10/89	72:30:0N 15:0:0E	560	NA	3.61+-21.2%	6.37+-8.3%	1.8	6294
8086	9/10/89	71:59:45N 15:0:18E	1120	NA	ND	5.20+-5.4%		6295
8086	9/10/89	71:59:45N 15:0:18E	1120	NA	ND	3.60+-9.7%		6296
8086	9/10/89	71:59:45N 15:0:18E	1120	NA	4.42+-26.3%	4.74+-16.3%	1.1	6297
8086	9/10/89	71:59:45N 15:0:18E	1120	NA	ND	1.10+-22.3%		6298
8087	9/10/89	71:30:0N 15:0:0E	1427	NA	1.50+-52.5%	7.32+-7.3%	4.9	6299
8088	9/10/89	71:0:12N 14:59:6E	2100	NA	2.23+-36.0%	6.11+-8.8%	2.7	6300
8088	9/10/89	71:0:12N 14:59:6E	2100	NA	3.50+-23.3%	4.63+-11.8%	1.3	6301
8088	9/10/89	71:0:12N 14:59:6E	2100	NA	ND	4.12+-9.6%		6302
8088	9/10/89	71:0:12N 14:59:6E	2100	NA	ND	0.55+-46.4%		6303
8089	9/10/89	70:30:0N 15:0:0E	3	NA	ND	6.53+-5.7%		6304
8090	9/10/89	70:2:15N 15:0:6E	2375	NA	ND	3.04+-11.8%		6305
8090	9/10/89	70:2:15N 15:0:6E	2375	NA	ND	2.42+-14.6%		6306
8090	9/10/89	70:2:15N 15:0:6E	2375	NA	ND	3.86+-11.0%		6307
8090	9/10/89	70:2:15N 15:0:6E	2375	NA	ND	0.79+-31.3%		6308
8092	10/10/89	69:0:0N 13:1:24E	3	NA	ND	1.11+-30.6%		6313
8093	10/10/89	68:30:21N 12:0:39E	172	NA	ND	8.30+-4.4%		6314
8093	10/10/89	68:30:21N 12:0:39E	172	NA	ND	6.88+-5.8%		6316
8093	10/10/89	68:30:21N 12:0:39E	172	NA	ND	5.81+-6.1%		6317
8094	10/10/89	68:30:18N 11:1:0E	1320	NA	ND	3.59+-10.0%		6318
8094	10/10/89	68:30:18N 11:1:0E	1320	NA	ND	2.33+-14.8%		6319
8094	10/10/89	68:30:18N 11:1:0E	1320	NA	ND	3.97+-10.2%		6320
8094	10/10/89	68:30:18N 11:1:0E	1320	NA	ND	0.98+-24.7%		6321
8095	10/10/89	68:0:0N 10:0:0E	3	NA	ND	2.42+-14.7%		6322

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8096	10/10/89	67:30: 9N	942	3	NA	ND	2.45+-14.4%		6323
8096	10/10/89	67:30: 9N	942	100	NA	ND	2.00+-20.5%		6324
8096	10/10/89	67:30: 9N	942	932	NA	ND	0.63+-54.1%		6325
8097	11/10/89	67: 0:12N	775	3	NA	ND	3.29+-10.8%		6326
8097	11/10/89	67: 0:12N	775	100	NA	ND	3.11+-12.0%		6327
8097	11/10/89	67: 0:12N	775	475	NA	ND	1.82+-22.7%		6328
8097	11/10/89	67: 0:12N	775	763	NA	ND	1.00+-25.3%		6329
8098	11/10/89	67: 0:12N	419	3	NA	ND	6.97+- 5.3%		6330
8098	11/10/89	67: 0:12N	419	60	NA	ND	3.74+-10.6%		6331
8098	11/10/89	67: 0:12N	419	201	NA	ND	3.58+-11.7%		6332
8098	11/10/89	67: 0:12N	419	401	NA	ND	2.21+-14.7%		6333
8099	11/10/89	66:29:54N	271	3	NA	ND	3.92+- 7.5%		6334
8100	11/10/89	65:59:54N	285	3	NA	ND	5.36+- 6.8%		6335
8100	11/10/89	65:59:54N	285	93	NA	ND	4.67+-10.3%		6336
8100	11/10/89	65:59:54N	285	267	NA	ND	3.99+- 8.4%		6337
8101	11/10/89	66: 0: 6N	378	3	NA	ND	5.49+- 6.6%		6338
8102	11/10/89	65:59:54N	540	3	NA	ND	2.06+-17.0%		6339
8103	12/10/89	65:30: 0N	650	3	NA	ND	1.82+-19.2%		6340
8104	12/10/89	64:59:51N	776	3	NA	ND	2.57+-13.6%		6341
8104	12/10/89	64:59:51N	776	75	NA	ND	2.39+-16.7%		6342
8104	12/10/89	64:59:51N	776	200	NA	ND	2.03+-18.2%		6343
8104	12/10/89	64:59:51N	776	755	NA	ND	0.73+-48.5%		6344
8105	12/10/89	64:59:54N	300	3	NA	ND	6.81+- 5.3%		6345
8105	12/10/89	64:59:54N	300	41	NA	ND	3.18+-11.5%		6347
8105	12/10/89	64:59:54N	300	94	NA	ND	4.19+- 9.3%		6348
8105	12/10/89	64:59:54N	300	281	NA	ND	3.48+- 9.3%		6349
8106	12/10/89	64:59:51N	253	3	NA	ND	4.33+- 8.2%		6350
8106	12/10/89	64:59:51N	253	80	NA	ND	6.05+- 6.8%		6351
8106	12/10/89	64:59:51N	253	239	NA	ND	3.08+-10.6%		6352
8107	12/10/89	64:30: 0N	242	3	NA	ND	7.40+- 4.9%		6353

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
8108	13/10/89	64: 0:18N	335	NA	ND	7.69+- 4.8%		6354
8108	13/10/89	64: 0:18N	335	NA	ND	3.47+- 9.4%		6355
8108	13/10/89	64: 0:18N	335	NA	ND	4.79+- 7.3%		6356
8109	13/10/89	64: 0: 3N	1205	NA	ND	2.90+-12.1%		6357
8109	13/10/89	64: 0: 3N	1205	NA	ND	2.52+-15.0%		6358
8109	13/10/89	64: 0: 3N	1205	NA	ND	1.88+-22.4%		6359
8109	13/10/89	64: 0: 3N	1174	NA	ND	0.81+-29.4%		6360
8110	13/10/89	63:30: 0N	1290	NA	ND	1.93+-17.2%		6361
8111	13/10/89	63: 0:21N	918	NA	ND	1.23+-28.3%		6362
8111	13/10/89	63: 0:21N	918	NA	ND	2.07+-18.4%		6363
8111	13/10/89	63: 0:21N	918	NA	ND	2.80+-18.5%		6364
8111	13/10/89	63: 0:21N	918	NA	ND	1.06+-29.7%		6365
8112	13/10/89	62:30: 0N	388	NA	ND	4.33+- 7.3%		6366
8113	14/10/89	62: 0: 9N	380	NA	ND	2.16+-16.1%		6367
8113	14/10/89	62: 0: 9N	380	NA	ND	2.38+-15.4%		6368
8113	14/10/89	62: 0: 9N	380	NA	ND	1.51+-22.5%		6369
8114	14/10/89	62: 0: 3N	410	NA	ND	1.60+-21.8%		6370
8114	14/10/89	62: 0: 3N	410	NA	ND	1.53+-21.9%		6371
8114	14/10/89	62: 0: 3N	410	NA	ND	1.87+-18.5%		6372
8115	14/10/89	61:30: 0N	197	NA	ND	2.06+-16.8%		6373
8116	14/10/89	60:59:51N	150	NA	ND	3.60+- 9.8%		6374
8116	14/10/89	60:59:51N	150	NA	ND	1.95+-16.5%		6375
8117	14/10/89	61: 0: 0N	125	NA	ND	2.31+-15.1%		6376
8118	14/10/89	60:59:57N	252	NA	ND	1.93+-17.8%		6377
8118	14/10/89	60:59:57N	252	NA	ND	2.13+-15.4%		6378
8118	14/10/89	60:59:57N	252	NA	ND	1.82+-18.8%		6379
8119	14/10/89	60:30: 0N	132	NA	ND	2.93+-11.6%		6380
8120	16/10/89	59:59:54N	90	NA	ND	4.47+- 8.0%		6381
8120	16/10/89	59:59:54N	90	NA	ND	4.54+- 7.7%		6382
8121	17/10/89	59:30: 6N	128	NA	ND	3.98+- 8.8%		6383

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
8121	17/10/89	59:30: 6N	128	75	NA	ND	4.44+- 8.9%		6384
8121	17/10/89	59:30: 6N	128	118	NA	ND	3.17+-10.1%		6385
8122	15/10/89	59:29:45N	86	3	NA	2.12+-38.2%	7.82+- 6.8%	3.7	6386
8123	17/10/89	59:20:54N	79	3	NA	ND	9.67+- 3.8%		6388
8123	17/10/89	59:20:54N	79	70	NA	ND	8.41+- 4.4%		6389
8124	18/10/89	58:42:24N	70	3	NA	ND	13.43+- 2.8%		6390
8125	18/10/89	58:37:57N	60	3	NA	ND	22.10+- 1.9%		6391
8125	18/10/89	58:37:57N	60	49	NA	2.00+-40.1%	19.57+- 2.8%	9.8	6392
8126	18/10/89	58:38: 0N	64	3	NA	2.03+-39.4%	23.26+- 2.4%	11.5	6393
8126	18/10/89	58:38: 0N	64	51	NA	2.47+-32.1%	24.56+- 2.3%	9.9	6395
8127	15/10/89	58:59:48N	80	3	NA	1.55+-51.3%	16.92+- 3.2%	10.9	6396
8127	15/10/89	58:59:48N	80	68	NA	2.15+-37.5%	15.62+- 3.5%	7.3	6397
8128	15/10/89	59:30: 9N	77	3	NA	ND	15.19+- 2.6%		6398
8128	15/10/89	59:30: 9N	77	63	NA	1.30+-57.0%	12.77+- 3.9%	9.8	6399
8129	14/10/89	59:59:54N	100	3	NA	ND	4.47+- 8.1%		6400
8130	15/10/89	59:59:54N	132	3	NA	ND	2.06+-16.5%		6401
8130	15/10/89	59:59:54N	132	116	NA	ND	1.71+-19.7%		6402
8131	15/10/89	59:30: 0N	138	3	NA	ND	4.33+- 8.1%		6403
8132	15/10/89	59:30: 0N	147	3	NA	ND	3.02+-11.8%		6404
8132	15/10/89	59:30: 0N	147	134	NA	ND	1.68+-18.9%		6405
8133	18/10/89	59: 0: 0N	81	3	NA	ND	4.77+- 7.4%		6406
8134	15/10/89	59: 0: 9N	79	3	NA	ND	8.40+- 4.4%		6407
8134	15/10/89	59: 0: 9N	79	66	NA	ND	8.26+- 4.4%		6408
8135	15/10/89	59: 0: 0N	100	3	NA	ND	11.97+- 3.1%		6409
8136	18/10/89	58:38: 0N	83	3	NA	ND	17.23+- 2.2%		6410
8137	18/10/89	58:40: 9N	75	3	NA	ND	19.11+- 2.1%		6411
8137	18/10/89	58:40: 9N	75	61	NA	ND	19.03+- 2.1%		6412
8138	18/10/89	58:20: 0N	93	3	NA	ND	18.79+- 2.1%		6413
8139	18/10/89	57:59:57N	65	3	NA	ND	16.83+- 2.4%		6414
8139	18/10/89	57:59:57N	65	53	NA	ND	18.31+- 2.2%		6416

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
8140	18/10/89	58:30: 6N	93	NA	ND	10.57+- 3.5%		6417
8140	18/10/89	58:30: 6N	93	NA	ND	7.96+- 4.5%		6418
8141	18/10/89	58:30: 0N	76	NA	1.10+-55.1%	4.00+- 9.1%	3.6	6419
8141	18/10/89	58:30: 0N	76	NA	ND	4.67+- 7.4%		6420
8142	18/10/89	58: 0: 9N	96	NA	ND	6.33+- 5.7%		6421
8142	18/10/89	58: 0: 9N	96	NA	ND	6.80+- 5.0%		6422
8143	19/10/89	58: 0: 0N	90	NA	ND	5.86+- 6.2%		6423
8144	19/10/89	57:29:51N	75	NA	1.73+-46.3%	4.77+-10.9%	2.8	6424
8144	19/10/89	57:29:51N	75	NA	ND	5.04+- 7.1%		6425
8145	19/10/89	57: 0: 0N	127	NA	ND	6.43+- 5.5%		6426
8146	19/10/89	57: 0: 9N	139	NA	ND	3.16+-11.2%		6427
8146	19/10/89	57: 0: 9N	139	NA	ND	2.30+- 9.5%		6429
8147	19/10/89	56:30: 0N	143	NA	ND	2.25+-15.2%		6430
8148	20/10/89	56: 0: 6N	145	NA	ND	1.96+-17.8%		6431
8148	20/10/89	56: 0: 6N	145	NA	ND	1.67+-26.5%		6432
8148	20/10/89	56: 0: 6N	145	NA	ND	1.93+-16.6%		6433
8149	21/10/89	55:29:54N	98	NA	ND	2.38+-13.7%		6434
8150	21/10/89	55:29:54N	76	NA	ND	2.39+-14.5%		6435
8150	21/10/89	55:29:54N	76	NA	ND	2.89+-12.0%		6436
8151	20/10/89	56: 0: 0N	145	NA	ND	2.24+-15.6%		6437
8152	19/10/89	56:30:12N	139	NA	ND	7.51+- 4.8%		6438
8152	19/10/89	56:30:12N	139	NA	ND	3.48+-10.8%		6439
8153	19/10/89	56:30:15N	95	NA	ND	8.57+- 4.2%		6440
8153	19/10/89	56:30:15N	95	NA	ND	6.35+- 5.8%		6441
8154	19/10/89	56:59:57N	131	NA	ND	14.81+- 2.6%		6442
8154	19/10/89	56:59:57N	131	NA	ND	7.68+- 5.0%		6443
8155	20/10/89	57:30: 0N	110	NA	ND	15.74+- 2.5%		6444
8156	19/10/89	57: 0: 0N	210	NA	ND	16.76+- 2.4%		6445
8156	19/10/89	57: 0: 0N	210	NA	ND	4.60+- 7.7%		6446
8157	20/10/89	56:30: 0N	50	NA	ND	17.95+- 2.9%		6447

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8157	20/10/89	56:30: 0N	50	42	NA	ND	19.37+- 2.4%		6448
8158	20/10/89	56: 0: 0N	56	3	NA	ND	20.37+- 2.0%		6449
8158	20/10/89	56: 0: 0N	56	48	NA	ND	18.19+- 2.3%		6450
8159	20/10/89	56: 0: 0N	69	3	NA	ND	2.98+-11.9%		6451
8159	20/10/89	56: 0: 0N	69	61	NA	ND	2.29+-15.5%		6452
8160	21/10/89	55:30: 6N	53	3	NA	ND	6.83+- 5.3%		6453
8161	21/10/89	55:30: 0N	91	3	NA	ND	40.47+- 1.1%		6454
8161	21/10/89	55:30: 0N	91	82	NA	ND	40.31+- 1.1%		6455
8162	21/10/89	54:59:54N	84	3	NA	ND	29.02+- 1.5%		6456
8162	21/10/89	54:59:54N	84	35	NA	ND	26.78+- 1.7%		6457
8162	21/10/89	54:59:54N	84	71	NA	ND	26.53+- 1.5%		6458
8163	21/10/89	54:59:36N	141	3	NA	ND	42.12+- 1.1%		6459
8163	21/10/89	54:59:36N	141	62	NA	ND	38.93+- 1.2%		6460
8163	21/10/89	54:59:36N	141	127	NA	ND	36.22+- 1.2%		6461
8164	21/10/89	55: 0: 6N	74	3	NA	ND	57.61+- 0.9%		6462
8164	21/10/89	55: 0: 6N	74	60	NA	1.74+-47.6%	54.67+- 1.1%	31.5	6463
8165	21/10/89	54:30: 0N	140	3	NA	2.63+-31.8%	72.29+- 0.9%	27.5	6464
8166	21/10/89	54:30: 0N	40	3	NA	6.61+-12.6%	193.21+- 0.4%	29.2	6465
8167	22/10/89	54:25:12N	23	3	NA	12.23+- 7.3%	382.39+- 0.3%	31.3	6466
8167	22/10/89	54:25:12N	23	14	NA	11.46+- 7.7%	365.21+- 0.3%	31.9	6468
8168	22/10/89	54: 0:12N	69	3	NA	3.85+-21.7%	87.26+- 0.8%	22.6	6469
8168	22/10/89	54: 0:12N	69	61	NA	4.82+-17.4%	85.55+- 0.8%	17.8	6471
8169	22/10/89	53:30: 0N	72	3	NA	3.61+-23.1%	72.01+- 0.9%	19.9	6472
8170	22/10/89	53: 0: 9N	100	3	NA	2.56+-32.5%	61.33+- 1.0%	24.0	6473
8170	22/10/89	53: 0: 9N	100	92	NA	2.73+-32.9%	66.26+- 1.0%	24.3	6475
8171	23/10/89	52:30:12N	89	3	NA	1.47+-55.9%	46.68+- 1.3%	31.7	6476
8172	23/10/89	52: 0:18N	57	3	NA	ND	23.63+- 1.8%		6478
8172	23/10/89	52: 0:18N	57	44	NA	ND	21.67+- 1.9%		6480
8173	23/10/89	51:30: 0N	55	3	NA	ND	9.16+- 4.0%		6481
8178	23/10/89	51:19:48N	22	3	NA	1.69+-48.7%	17.37+- 3.2%	10.3	6487

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
8184	23/10/89	50:30: 0N	56	3	NA	ND	3.57+- 9.9%		6494
8185	23/10/89	50: 0: 0N	67	3	NA	ND	3.50+-10.1%		6496
8186	24/10/89	49:52: 0N	86	3	NA	ND	3.72+- 9.5%		6498
8187	24/10/89	49:50:42N	76	3	NA	ND	2.76+-12.7%		6499
8188	24/10/89	49:48:54N	70	3	NA	ND	4.12+- 8.6%		6500
8189	24/10/89	49:59:12N	69	3	NA	ND	10.72+- 3.5%		6501
8190	24/10/89	50: 9:48N	55	3	NA	ND	10.99+- 3.4%		6502
8191	24/10/89	50:20: 0N	55	3	NA	1.85+-44.5%	12.32+- 4.4%	6.7	6503
8192	24/10/89	50:32:30N	39	3	NA	ND	5.98+- 6.1%		6504
8193	24/10/89	51: 0: 0N	45	3	NA	ND	6.16+- 5.8%		6505
8194	25/10/89	51:30: 0N	37	3	NA	ND	7.16+- 5.0%		6506
8195	25/10/89	52: 0: 0N	24	3	NA	ND	14.43+- 2.8%		6507
8279	8/10/89	73:44: 5N		3	NA	ND	3.80+- 9.0%		6731
8282	8/10/89	73:41:41N		3	NA	ND	3.80+- 6.6%		6738
<b>Site 51 Challenger</b>									
6	6/12/89	51:38:24N		3	NA	ND	13.92+- 4.8%		8237
7	7/12/89	52:48:36N		3	NA	2.63+-39.2%	36.77+- 2.3%	14.0	8238
16	8/12/89	54: 7: 0N	20	3	NA	12.21+-11.4%	385.89+- 0.4%	31.6	8240
17	8/12/89	54:13: 6N	17	3	NA	25.06+- 5.9%	527.37+- 0.3%	21.0	8241
18	9/12/89	54:18: 0N	18	3	NA	12.80+-11.0%	469.98+- 0.3%	36.7	8242
19	9/12/89	54:22: 0N	18	3	NA	9.87+-29.3%	489.64+- 0.7%	49.6	8243
20	9/12/89	54:25: 0N	23	3	NA	12.06+-23.0%	530.76+- 0.6%	44.0	8244
21	9/12/89	54:33: 0N	26	3	NA	14.99+- 9.5%	420.07+- 0.4%	28.0	8245
22	9/12/89	54:40: 0N	24	3	NA	7.03+-20.7%	310.61+- 0.5%	44.2	8246
23	9/12/89	54:30:54N	34	3	NA	10.42+-14.8%	371.50+- 0.4%	35.6	8247
24	9/12/89	54:32: 0N	48	3	NA	ND	144.57+- 0.7%		8248
25	9/12/89	54:44: 0N	26	3	NA	10.19+-14.1%	392.66+- 0.4%	38.5	8249
27	10/12/89	54:25: 0N	39	3	NA	12.91+-11.0%	403.20+- 0.4%	31.2	8239

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
28	10/12/89	54:25: 6N	28	3	NA	9.39+-30.3%	460.25+-	0.7%	8250
29	10/12/89	54:27: 0N	21	3	NA	15.35+-18.7%	477.62+-	0.7%	8251
31	10/12/89	54:15:54N	35	3	NA	6.85+-20.0%	288.85+-	0.5%	8252
32	10/12/89	54:17: 0N	139	3	NA	5.49+-25.5%	151.93+-	0.8%	8253
35	11/12/89	54:47: 0N	150	3	NA	3.19+-41.0%	130.15+-	0.9%	8254
36	11/12/89	54:57: 0N	125	3	NA	3.27+-37.4%	128.14+-	0.9%	8255
37	11/12/89	55:16: 0N	72	3	NA	2.86+-47.8%	102.21+-	1.2%	8256
38	11/12/89	55:33: 0N	154	3	NA	ND	55.75+-	1.4%	8257
40	12/12/89	54:32: 0N	47	3	NA	5.48+-25.1%	166.44+-	0.8%	8258
41	12/12/89	54:28: 0N	54	3	NA	6.73+-19.9%	137.93+-	0.9%	8259
42	12/12/89	54:28: 0N	40	3	NA	5.60+-26.0%	210.85+-	0.7%	8260
43	12/12/89	54:28: 0N	69	3	NA	6.81+-20.3%	215.43+-	0.6%	8261
<b>Site 55 Corystes</b>									
3001	21/ 2/89	52:30:54N	11	3	33.740	2.77+-29.2%	30.46+-	1.9%	722
3002	21/ 2/89	52: 0: 0N	25	3	34.363	2.94+-26.2%	22.97+-	2.4%	723
3003	21/ 2/89	51:29:54N	24	3	34.871	ND	8.19+-	4.5%	724
3004	21/ 2/89	51: 0: 0N	31	3	35.181	ND	5.90+-	6.1%	725
3005	21/ 2/89	50:50:18N	41	3	35.184	ND	5.11+-	7.0%	726
3006	22/ 2/89	50:32:48N	60	3	35.171	ND	4.44+-	8.0%	727
3007	22/ 2/89	50:32: 3N	29	3	35.052	ND	5.08+-	7.0%	728
3008	22/ 2/89	50:32:30N	40	3	35.079	ND	5.83+-	6.2%	733
3010	22/ 2/89	50:33:39N	30	3	35.075	NA	NA		742
3011	22/ 2/89	50:34:18N	28	3	35.066	NA	NA		746
3012	22/ 2/89	50:34:51N	26	3	35.064	NA	NA		750
3013	22/ 2/89	50:35:21N	25	3	35.065	NA	NA		754
3014	22/ 2/89	50:30:30N	28	3	35.052	NA	NA		758
3015	22/ 2/89	50:19:51N	58	3	35.197	NA	NA		762
3016	23/ 2/89	50: 5:48N	69	3	35.280	ND	3.61+-	9.7%	766

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
3017	23/ 2/89	49:55:42N	80	3	35.345	ND	5.33+-	6.7%	767
3018	23/ 2/89	49:59:54N	72	3	35.235	ND	5.69+-	6.3%	768
3019	23/ 2/89	50:30: 0N	85	3	35.106	ND	5.08+-	7.0%	769
3020	23/ 2/89	50:59:42N	89	3	34.913	ND	7.53+-	7.6%	770
3021	23/ 2/89	51:30: 0N	109	3	34.701	ND	18.34+-	3.3%	771
3022	23/ 2/89	52: 0: 0N	31	3	34.612	ND	22.36+-	2.8%	772
3023	23/ 2/89	52:10:24N	52	3	34.712	ND	7.49+-	7.9%	773
3023	23/ 2/89	52:10:24N	52	47	34.709	ND	6.70+-	8.8%	774
3024	23/ 3/89	52:10:36N	99	3	34.514	ND	35.28+-	1.8%	775
3024	23/ 3/89	52:10:36N	99	94	34.525	ND	34.32+-	1.9%	776
3025	23/ 2/89	52: 0: 6N	100	3	34.718	ND	19.27+-	3.2%	777
3026	24/ 2/89	52: 0: 6N	56	3	34.577	ND	17.86+-	3.4%	778
3027	24/ 2/89	52: 9:48N	60	3	34.491	ND	29.15+-	2.1%	779
3027	24/ 2/89	52: 9:48N	60	55	34.494	3.55+-22.6%	31.12+-	1.8%	780
3028	24/ 2/89	52:10:36N	35	3	34.104	3.43+-23.5%	22.38+-	2.5%	781
3028	24/ 2/89	52:10:36N	35	30	34.130	3.47+-23.3%	23.25+-	2.4%	782
3029	24/ 2/89	52:25: 0N	27	3	33.784	2.73+-29.3%	21.27+-	2.6%	783
3030	24/ 2/89	52:40: 3N	19	3	33.243	4.59+-17.6%	27.00+-	2.1%	784
3030	24/ 2/89	52:40: 3N	19	16	33.291	3.26+-24.9%	26.85+-	2.1%	785
3031	24/ 2/89	52:40:24N	83	3	34.159	2.66+-30.4%	63.29+-	1.0%	786
3031	24/ 2/89	52:40:24N	83	79	34.304	4.95+-16.2%	60.06+-	1.0%	787
3032	24/ 2/89	52:40:15N	76	3	34.310	2.93+-27.6%	57.81+-	1.1%	788
3032	24/ 2/89	52:40:15N	76	72	34.310	3.16+-25.7%	58.94+-	1.1%	789
3033	24/ 2/89	52:39:48N	56	3	34.384	ND	39.54+-	1.7%	803
3033	24/ 2/89	52:39:48N	56	51	34.412	3.58+-22.8%	34.67+-	1.7%	790
3034	24/ 2/89	53: 0: 0N	24	3	34.159	3.93+-20.8%	78.41+-	0.8%	791
3035	24/ 2/89	52:59:30N	102	3	34.150	3.09+-22.6%	64.25+-	0.9%	792
3035	24/ 2/89	52:59:30N	102	98	34.157	3.39+-24.0%	70.74+-	0.9%	793
3036	24/ 2/89	53: 0: 0N	39	3	34.215	3.76+-21.8%	57.66+-	1.1%	794
3037	24/ 2/89	53:20: 0N	49	3	34.102	4.26+-19.2%	74.62+-	0.9%	795

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
3037	24/ 2/89	53:20: 0N	49	43	34.095	3.61+-22.6%	78.14+- 0.8%	21.7	796
3038	24/ 2/89	53:20: 0N	106	3	34.110	2.11+-37.2%	69.45+- 0.9%	32.9	797
3038	24/ 2/89	53:20: 0N	106	101	34.105	2.81+-27.1%	67.53+- 0.9%	24.1	798
3039	24/ 2/89	53:20: 0N	47	3	34.092	3.07+-25.7%	75.01+- 0.9%	24.4	799
3039	24/ 2/89	53:20: 0N	47	44	34.087	ND	74.01+- 1.0%		800
3040	25/ 2/89	53:40: 0N	22	3	34.090	ND	74.41+- 1.0%		801
3040	25/ 2/89	53:40: 0N	22	19	34.092	2.57+-48.0%	73.30+- 1.4%	28.5	802
3041	25/ 2/89	54: 0:12N	24	3	33.849	ND	69.94+- 1.0%		804
3042	25/ 2/89	54:10: 0N	21	3	33.917	ND	71.69+- 1.0%		805
3042	25/ 2/89	54:10: 0N	21	18	33.916	ND	71.55+- 1.0%		806
3043	25/ 2/89	54: 0: 0N	88	3	34.130	ND	72.67+- 1.0%		807
3044	25/ 2/89	53:40: 0N	101	3	34.096	ND	71.60+- 1.0%		808
3044	25/ 2/89	53:40: 0N	101	96	34.098	ND	71.78+- 1.0%		809
3045	25/ 2/89	53:40: 0N	73	3	34.075	1.86+-40.4%	77.64+- 0.8%	41.6	810
3045	25/ 2/89	53:40: 0N	73	68	34.083	2.13+-37.9%	73.34+- 0.9%	34.4	811
3046	24/ 2/89	54: 0: 0N	67	3	34.184	ND	56.28+- 0.9%		812
3047	25/ 2/89	54: 0: 6N	48	3	34.175	1.91+-42.2%	56.36+- 1.1%	29.5	813
3047	25/ 2/89	54: 0: 6N	48	43	34.174	2.01+-40.3%	59.23+- 1.1%	29.5	814
3048	25/ 2/89	53:50: 6N	59	3	34.063	3.66+-22.3%	73.39+- 0.9%	20.0	815
3048	25/ 2/89	53:50: 6N	59	54	34.060	4.26+-19.2%	79.00+- 0.8%	18.5	816
3049	25/ 2/89	53:40: 0N	81	3	34.059	3.91+-20.9%	82.21+- 0.8%	21.0	817
3049	25/ 2/89	53:40: 0N	81	76	34.055	4.69+-17.2%	80.18+- 0.8%	17.1	818
3050	25/ 2/89	53:29:54N	49	3	34.072	5.39+-15.2%	78.90+- 0.8%	14.6	819
3050	25/ 2/89	53:29:54N	49	43	34.056	ND	75.82+- 0.9%		820
3051	25/ 2/89	53:21: 0N	15	3	33.710	ND	123.69+- 0.6%		821
3052	25/ 2/89	53:29:54N	38	3	33.413	5.72+-14.4%	182.30+- 0.5%	31.9	822
3052	25/ 2/89	53:29:54N	38	32	33.416	5.60+-14.8%	179.44+- 0.5%	32.1	823
3053	25/ 2/89	53:24:54N	13	3	33.194	5.79+-14.4%	172.67+- 0.5%	29.8	824
3054	25/ 2/89	53:27:54N	17	3	33.179	6.74+-12.3%	202.50+- 0.4%	30.0	825
3055	25/ 2/89	53:39:48N	36	3	32.621	5.78+-14.2%	230.16+- 0.4%	39.8	826

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
3055	25/ 2/89	53:39:48N	36	30	32.856	6.80+-13.4%	230.20+-	0.4%	33.8
3056	26/ 2/89	53:40: 0N	50	3	34.081	4.25+-19.4%	81.90+-	0.8%	19.3
3056	26/ 2/89	53:40: 0N	50	44	34.084	4.44+-18.5%	81.34+-	0.8%	18.3
3057	26/ 2/89	53:50: 0N	44	3	33.475	5.31+-15.3%	159.35+-	0.5%	30.0
3057	26/ 2/89	53:50: 0N	44	38	33.416	6.08+-13.7%	174.88+-	0.5%	28.8
3058	26/ 2/89	53:49:54N	15	3	30.818	4.56+-27.9%	354.28+-	0.4%	77.7
3059	26/ 2/89	54: 0: 0N	18	3	31.119	3.97+-31.9%	335.73+-	0.4%	84.6
3059	26/ 2/89	54: 0: 0N	18	15	31.155	ND	312.30+-	0.4%	834
3060	26/ 2/89	53:59:54N	26	3	31.511	2.62+-47.8%	310.11+-	0.4%	118.6
3060	26/ 2/89	53:59:54N	26	23	32.306	ND	242.37+-	0.5%	836
3061	26/ 2/89	53:59:48N	40	3	33.220	3.08+-40.9%	207.20+-	0.6%	67.3
3061	26/ 2/89	53:59:48N	40	34	33.325	2.68+-47.0%	191.17+-	0.6%	71.3
3062	26/ 2/89	54: 0: 0N	44	3	33.867	5.90+-24.5%	115.85+-	0.9%	19.6
3062	26/ 2/89	54: 0: 0N	44	38	33.886	ND	106.00+-	0.7%	839
3063	26/ 2/89	54: 9:42N	33	3	34.046	ND	71.40+-	1.0%	840
3063	26/ 2/89	54: 9:42N	33	30	34.055	3.22+-25.1%	72.79+-	0.9%	22.6
3064	26/ 2/89	54:20:12N	24	3	33.076	5.33+-15.7%	198.13+-	0.4%	37.2
3064	26/ 2/89	54:20:12N	24	20	33.501	3.17+-26.0%	150.06+-	0.5%	47.4
3065	26/ 2/89	54:10: 0N	29	3	33.867	3.36+-24.5%	115.26+-	0.6%	34.3
3065	26/ 2/89	54:10: 0N	29	25	33.844	3.96+-20.9%	115.71+-	0.6%	29.2
3066	26/ 2/89	54:10: 0N	25	19	33.127	6.18+-13.6%	214.11+-	0.4%	34.6
3067	26/ 2/89	54:10: 6N	28	3	32.243	7.29+-11.6%	267.83+-	0.4%	36.8
3067	26/ 2/89	54:10: 6N	28	24	32.273	7.11+-11.9%	265.74+-	0.4%	37.4
3068	26/ 2/89	54:19:42N	39	3	33.060	7.48+-11.4%	247.53+-	0.4%	33.1
3068	26/ 2/89	54:19:42N	39	33	33.060	6.86+-12.4%	211.88+-	0.4%	30.9
3069	26/ 2/89	54:18: 0N	36	3	32.525	9.12+- 9.4%	273.00+-	0.3%	29.9
3069	26/ 2/89	54:18: 0N	36	30	32.862	8.15+-10.4%	237.20+-	0.4%	29.1
3070	26/ 2/89	54:20: 0N	25	3	31.423	24.23+- 3.8%	540.41+-	0.2%	22.3
3070	26/ 2/89	54:20: 0N	25	21	32.005	12.82+- 6.9%	322.54+-	0.3%	25.2
3071	27/ 2/89	54:23:54N	27	3	30.938	13.72+- 6.4%	394.46+-	0.3%	28.7

**Annex 3 continued. Concentrations of <sup>134</sup>Cs and <sup>137</sup>Cs in filtered sea water (Bq m<sup>-3</sup>): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	<sup>134</sup> Cs	<sup>137</sup> Cs	Ratio	Sample no.
3071	27/ 2/89	54:23:54N	27	24	32.166	9.94+- 8.7%	284.42+- 0.3%	28.6	856
3072	27/ 2/89	54:22: 6N	35	3	31.651	16.60+- 5.3%	426.53+- 0.3%	25.7	857
3072	27/ 2/89	54:22: 6N	35	29	32.852	8.73+- 9.9%	254.33+- 0.4%	29.1	858
3073	27/ 2/89	54:26: 0N	36	3	31.590	18.74+- 4.8%	489.47+- 0.2%	26.1	859
3073	27/ 2/89	54:26: 0N	36	31	32.839	2.65+-46.7%	250.81+- 0.5%	94.6	860
3074	27/ 2/89	54:27:48N	28	3	30.553	8.30+-15.5%	399.87+- 0.3%	48.2	861
3074	27/ 2/89	54:27:48N	28	25	32.400	6.97+-18.3%	318.17+- 0.4%	45.6	862
3075	27/ 2/89	54:30: 0N	38	3	32.151	6.45+-19.8%	322.36+- 0.4%	50.0	863
3075	27/ 2/89	54:30: 0N	38	32	32.883	5.23+-25.3%	219.85+- 0.5%	42.1	864
3076	27/ 2/89	54:39:54N	30	3	32.416	4.11+-30.9%	274.33+- 0.4%	66.7	865
3076	27/ 2/89	54:39:54N	30	27	32.396	4.41+-28.5%	271.63+- 0.4%	61.5	866
3077	27/ 2/89	54:40: 0N	44	3	31.697	4.45+-28.7%	293.70+- 0.4%	66.0	867
3077	27/ 2/89	54:40: 0N	44	38	33.259	2.78+-45.7%	169.47+- 0.7%	60.9	868
3078	27/ 2/89	54:30: 0N	57	3	33.132	3.75+-34.7%	205.73+- 0.6%	54.9	869
3078	27/ 2/89	54:30: 0N	57	51	33.205	7.80+-10.5%	202.14+- 0.4%	25.9	870
3079	27/ 2/89	54:30: 6N	48	3	33.731	3.72+-33.5%	137.50+- 0.8%	37.0	906
3079	27/ 2/89	54:30: 6N	48	42	33.727	5.97+-16.2%	144.06+- 0.6%	24.1	871
3080	27/ 2/89	54:40: 0N	24	3	33.808	4.85+-17.2%	112.06+- 0.6%	23.1	872
3080	27/ 2/89	54:40: 0N	24	20	33.824	4.66+-17.7%	109.18+- 0.7%	23.5	873
3081	27/ 2/89	54:30: 0N	41	3	34.028	3.28+-25.1%	80.80+- 0.8%	24.7	874
3082	27/ 2/89	54:20: 6N	37	3	34.041	3.61+-23.0%	85.76+- 0.8%	23.8	875
3082	27/ 2/89	54:20: 6N	37	31	34.043	4.27+-19.5%	84.89+- 0.8%	19.9	876
3083	27/ 2/89	54:10:12N	46	3	34.192	3.09+-26.9%	62.30+- 1.0%	20.1	877
3083	27/ 2/89	54:10:12N	46	39	34.198	2.50+-33.3%	61.86+- 1.0%	24.8	878
3084	27/ 2/89	54:10: 0N	86	3	34.118	3.99+-20.2%	84.19+- 0.8%	21.1	879
3084	27/ 2/89	54:10: 0N	86	80	34.146	ND	78.97+- 0.9%		880
3085	27/ 2/89	54:20: 0N	72	3	34.057	2.50+-50.8%	78.40+- 1.3%	31.4	881
3086	27/ 2/89	54:20: 0N	125	3	34.113	ND	63.54+- 1.1%		882
3087	27/ 2/89	54:30: 0N	139	3	34.094	2.37+-53.7%	72.68+- 1.4%	30.7	883
3087	27/ 2/89	54:30: 0N	139	133	34.198	ND	61.55+- 1.1%		884

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
3088	27/ 2/89	54:40: 6N	50	3	34.026	ND	80.38+- 0.9%		885
3088	27/ 2/89	54:40: 6N	50	44	34.047	ND	77.67+- 0.9%		886
3089	28/ 2/89	54:39:39N	145	3	34.408	2.30+-54.8%	40.82+- 2.3%	17.8	887
3089	28/ 2/89	54:39:39N	145	139	34.477	ND	31.63+- 2.0%		888
3090	28/ 2/89	54:40:54N	38	3	34.345	ND	37.88+- 1.7%		889
3090	28/ 2/89	54:40:54N	38	32	34.423	3.73+-22.4%	34.37+- 1.7%	9.2	890
3091	28/ 2/89	54:50: 0N	119	3	34.280	4.17+-19.9%	52.41+- 1.2%	12.6	891
3092	28/ 2/89	54:50: 0N	154	3	33.741	4.75+-17.3%	70.47+- 0.9%	14.8	892
3093	28/ 2/89	55: 0: 0N	76	3	33.504	3.91+-21.4%	83.71+- 0.8%	21.4	893
3093	28/ 2/89	55: 0: 0N	76	70	34.214	2.18+-38.0%	54.20+- 1.1%	24.8	894
3094	28/ 2/89	54:59:57N	138	3	34.368	2.46+-33.6%	40.56+- 1.5%	16.5	895
3094	28/ 2/89	54:59:57N	138	132	34.578	1.87+-44.1%	25.68+- 2.2%	13.7	896
3095	28/ 2/89	55: 0: 3N	79	3	34.605	1.81+-46.0%	22.93+- 2.4%	12.7	897
3095	28/ 2/89	55: 0: 3N	79	72	34.657	2.08+-39.6%	19.61+- 2.8%	9.4	898
3096	28/ 2/89	55:29:54N	93	3	34.258	2.95+-28.3%	38.51+- 1.5%	13.1	899
3097	1/ 3/89	55:45: 0N	70	3	34.830	ND	14.73+- 4.1%		901
3098	1/ 3/89	55:59:42N	67	3	35.417	ND	1.82+-31.5%		902
3098	1/ 3/89	55:59:42N	67	61	35.417	ND	2.72+-20.9%		903
3099	1/ 3/89	56:29:57N	98	3	35.190	ND	4.62+-12.4%		904
3099	1/ 3/89	56:29:57N	98	92	35.239	ND	4.25+-13.7%		905
3100	1/ 3/89	56:59:51N	132	3	35.004	ND	7.20+- 8.2%		907
3100	1/ 3/89	56:59:51N	132	70	35.243	ND	5.06+- 7.4%		908
3100	1/ 3/89	56:59:51N	132	127	35.323	ND	4.40+- 8.1%		909
3101	2/ 3/89	56:29:57N	151	3	35.316	ND	4.47+- 8.0%		910
3101	2/ 3/89	56:29:57N	151	145	35.321	ND	5.00+- 7.2%		911
3102	2/ 3/89	57: 0: 0N	124	3	35.248	ND	5.70+- 6.3%		912
3102	2/ 3/89	57: 0: 0N	124	41	35.241	ND	6.22+- 5.8%		913
3102	2/ 3/89	57: 0: 0N	124	119	35.251	ND	5.20+- 6.8%		914
3103	2/ 3/89	57:30: 0N	56	3	35.267	ND	5.70+- 6.2%		915
3103	2/ 3/89	57:30: 0N	56	50	35.275	ND	5.80+- 6.2%		916

**Annex 3 continued. Concentrations of  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in filtered sea water ( $\text{Bq m}^{-3}$ ): non-routine offshore sampling 1985-89**

Station	Collection date	Position	Station depth (m)	Sampling depth (m)	Salinity (psu)	$^{134}\text{Cs}$	$^{137}\text{Cs}$	Ratio	Sample no.
J104	2/ 3/89	57:59:54N	85	3	35.297	ND	5.30+- 6.8%		917
3104	2/ 3/89	57:59:54N	85	40	35.287	ND	5.20+- 6.8%		918
3104	2/ 3/89	57:59:54N	85	75	35.286	ND	4.76+- 7.5%		919
3105	2/ 3/89	58: 0: 0N	158	3	35.376	ND	3.95+- 8.8%		920
3105	2/ 3/89	58: 0: 0N	158	153	35.356	ND	4.00+- 8.6%		921
3106	2/ 3/89	57:30: 0N	138	3	35.397	ND	3.20+-10.9%		922
3106	2/ 3/89	57:30: 0N	138	40	35.425	ND	2.40+-14.3%		923
3106	2/ 3/89	57:30: 0N	138	132	35.397	ND	2.63+-13.2%		924
3107	2/ 3/89	57: 0: 0N	134	3	35.418	ND	2.67+-13.1%		925
3107	2/ 3/89	57: 0: 0N	134	128	35.413	ND	3.60+- 9.7%		926
3108	2/ 3/89	56:30: 0N	155	3	35.393	ND	3.20+-11.1%		927
3108	2/ 3/89	56:30: 0N	155	40	35.393	ND	2.68+-13.2%		928
3108	2/ 3/89	56:30: 0N	155	150	35.426	ND	2.62+-13.5%		929
3109	3/ 3/89	56: 0: 0N	147	3	35.416	ND	2.50+-14.2%		930
3109	3/ 3/89	56: 0: 0N	147	141	35.417	ND	3.05+-11.5%		931
3110	3/ 3/89	56: 0: 0N	144	3	35.236	ND	4.91+- 7.3%		932
3110	3/ 3/89	56: 0: 0N	144	120	35.374	ND	4.20+- 8.5%		933
3110	3/ 3/89	56: 0: 0N	144	140	35.369	ND	4.58+- 7.8%		934
3111	3/ 3/89	55:30: 6N	62	3	34.930	ND	8.73+- 4.2%		935
3111	3/ 3/89	55:30: 6N	62	58	34.930	ND	8.70+- 4.1%		936
3112	3/ 3/89	55:15: 0N	149	3	32.539	2.87+-30.4%	30.69+- 1.9%	10.7	937
3196	28/ 2/89	55:47:24N	16	3	33.968	ND	39.58+- 1.6%		900

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