Slutrapportering af Risøs måleprogram i forbindelse med Tjernobylulykken. Appendix 2: Chernobyl Monitoring Data Compiled

Aarkrog, Asker; Nielsen, Sven Poul; Dahlgaard, H.; Lauridsen, B.; Søgaard-Hansen, J.

Publication date:
1988

Document Version
Publisher's PDF, also known as Version of record

Risø-M-2692 (app.2)

RISØ

Risø-M-2692 (app.2)

Slutrapportering af Risøs måleprogram i forbindelse med Tjernobylulykken

Appendix 2: Chernobyl monitoring data compiled

A. Aarkrog, S. P. Nielsen, H. Dahlgaard,
B. Lauridsen og J. Søgaard-Hansen

Forskningscenter Risø, 4000 Roskilde, Danmark
Januar 1988

Risø-M-2692 (app.2)

SLUTRAPPORTERING AF RISØS MÅLEPROGRAM (FASE III) I FORBINDELSE MED TJERNOBYLULYKKEN

APPENDIX 2: CHERNOBYL MONITORING DATA COMPILED

A. Aarkrog, S.P. Nielsen, H. Dahlgaard, B. Lauridsen og
J. Søgaard-Hansen

Abstract. Dette appendix indeholder detaljerede resultater af Tjernobyl måleprogrammet foretaget af Risø i perioden 1. okt. 1986 - 30. sept. 1987.

Januar 1988
Forskningscenter Risø, DK-4000 Roskilde Danmark

ISBN 87-550-1400-3 (kpl.)
ISSN 0418-6435

Grafisk Service Risø 1988

CONTENT	INDHOLD
A. AIR	A. LUFT
B. PRECIPITATION	B. NEDBØR
C. STREAM AND LAKE WATER	C. Å- OG SØVAND
D. GROUND WATER	D. GRUNDVAND
E. DRINKING WATER	E. DRIKKEVAND
F. SOIL AND SEDIMENTS	F. JORD
G. SEA WATER	G. HAVVAND
H. GRASS AND FODDER	H. GRÆS OG FODER
I. LICHEN AND MOSS	I. LAV OG MOS
J. GRAIN AND BREAD	J. KORN OG BRØD
K. ROOT VEGETABLES AND POTATOES	K. RODGRØNT OG KARTOFLER
L. LEAF VEGETABLES	L. BLADGRØNSAGER
M. FRUITS	M. FRUGT
N. SEA PLANTS	N. TANG
O. MILK PRODUCTS	O. MÆLKEPRODUKTER
P. MEAT AND EGGS	P. KØD OG ÆG
Q. FISH	Q. FISK
R. HUMAN DIET	R. TOTALKOST
S. IMPORTED FOODSTUFFS	S. IMPORTEREDE FODERSTOFFER
T. HUMAN BODY	T. HELKROPSMÅLING
U. HUMAN BONE	U. MENNESKE KNOGLER
V. MOTHER'S MILK	V. MODER MÆLK

GENERAL REMARKS

THE ERROR TERM IS THE RELATIVE STANDARD DIVIATION (IN PERCENT) DUE TO COUNTING STATISTICS.

THE 89/90 = 89-SR/90-SR IN THE TABLES ARE ALL DECAY CORRECTED TO APRIL 26, 1986.

THE 134/137 = 134-CS/137-CS

A. 1.1.

AIR SAMPLES COLLECTED AT RISØ (55°42'N 12°05'E)

LOCATION : RISOP AND ENVIRONS
UNIT : MICRO BQ/M3

ISOTOPE	DATE	SPECIES	SD %	RESULTS
7-BE	1986 SEP 29-1986 OCT 02	NEW SAMPLER 6 FILTER	1	2229.85
103-RU		-	35	1.46
134-CS		-	5	9.50
137-CS	-	-	4	20.90
90-SR	1986 OCT-1986 DEC	LT SAMPLER GLASS	38	0.62
-	-	NEW SAMPLER SHUNT		BDL
7-BE	1986 OCT 02-1986 OCT 06	NEW SAMPLER 6 FILTER	1	1695.78
103-RU	-	-	12	3.45
106-RU	-	-	36	7.45
134-CS	-	-	7	5.13
137-CS	-	-	5	10.55
7-BE	1986 OCT 06-1986 OCT 09	-	1	1132.06
103-RU	-	-	36	1.22
134-CS	-	-	6	6.65
137-CS	-	-	4	13.71
7-BE	1986 OCT 09-1986 OCT 13	-	1	1997.74
103-RU	-	-	16	2.27
134-CS	-	-	6	5.81
137-CS	-	-	4	12.02
7-BE	1986 OCT 13-1986 OCT 16	-	1	2988.33
103-RU	-	-	18	3.93
134-CS	-	-	2	32.56
137-CS	-	-	2	65.30
7-BE	1986 OCT 16-1986 OCT 20	-	1	2370.69
103-RU	-	-	17	2.41
134-CS	-	-	7	5.40
137-CS	-	-	4	11.56
7-BE	1986 OCT 20-1986 OCT 23	-	1	1995.39
134-CS	-	-	6	6.87
137-CS	-	-	5	14.18
7-BE	1986 OCT 23-1986 OCT 27	-	1	1140.39
103-RU	-	-	16	2.72
106-RU	-	-	34	12.12
134-CS	-	-	3	15.06
137-CS	-	-	2	31.46
7-BE	1986 OCT 27-1986 OCT 30	-	1	1462.71
134-CS	-	-	5	9.06
137-CS	-	-	4	19.12
7-BE	1986 OCT 30-1986 NOV 03	-	1	1902.81
134-CS	-	-	7	5.02
137-CS	-	-	5	11.29
7-BE	1986 NOV 03-1986 NOV 06	-	1	1840.98
134-CS	-	-	10	3.81
137-CS	-	-	6	8.98
7-BE	1986 NOV 06-1986 NOV 10	-	1	2183.20
103-RU	-	-	33	1.07
134-CS	-	-	7	4.95
137-CS	-	-	5	10.58
7-BE	1986 NOV 10-1986 NOV 13	-	1	3007.49
134-CS	-	-	3	24.23
137-CS	-	-	2	53.36

A. 1.2.

7-BE	1986 NOV 13-1986 NOV 17	NEW SAMPLER 6 FILTERS	0	3957.64
103-RU	-	-	23	2.14
134-CS	-	-	6	6.87
137-CS	-	-	4	15.15
7-BE	1986 NOV 17-1986 NOV 20	-	1	2025.40
134-CS	-	-	8	5.22
137-CS	-	-	5	11.66
7-BE	1986 NOV 20-1986 NOV 24	-	0	2276.17
134-CS	-	-	15	1.43
137-CS	-	-	9	3.54
7-BE	1986 NOV 24-1986 NOV 27	-	1	1166.27
134-CS	-	-	10	3.69
137-CS	-	-	7	7.73
7-BE	1986 NOV 27-1986 DEC 01	-	1	2388.67
103-RU	-	-	21	33.58
134-CS	-	-	27	1.04
137-CS	-	-	13	2.80
7-BE	1986 DEC 01-1986 DEC 04	-	1	3084.72
134-CS	-	-	8	7.04
137-CS	-	-	4	15.20
7-BE	1986 DEC 04-1986 DEC 08	-	0	3060.66
103-RU	-	-	21	29.37
134-CS	-	-	4	6.88
137-CS	-	-	3	17.29
7-BE	1986 DEC 08-1986 DEC 11	-	1	2822.00
103-RU	-	-	38	1.98
134-CS	-	-	2	39.10
137-CS	-	-	-	87.60
7-BE	1986 DEC 11-1986 DEC 15	-	1	2138.63
134-CS	-	-	8	4.64
137-CS	-	-	6	8.48
7-BE	1986 DEC 15-1986 DEC 18	-	1	1168.09
134-CS	-	-	3	9.39
137-CS	-	-	2	23.83
7-BE	1986 DEC 18-1986 DEC 22	-	0	2065.14
103-RU	-	-	16	1.03
106-RU	-	-	22	8.53
134-CS	-	-	5	3.05
137-CS	-	-	3	6.93
7-BE	1986 DEC 22-1986 DEC 26	-	1	1254.31
137-CS	-	-	3	17.66
7-BE	1986 DEC 26-1986 DEC 29	-	1	1478.30
134-CS	-	-	26	1.36
137-CS	-	-	14	3.27
7-BE	1986 DEC 29-1987 JAN 02	-	1	2175.66
103-RU	-	-	40	1.59
106-RU	-	-	33	17.33
134-CS	-	-	2	26.94
137-CS	-	-	2	59.32
90-SR	1987 JAN-1987 MAR	LT SAMPLER GLASS	18	0.55
-	-	NEW SAMPLER 6 FILTERS	16	0.68
7-BE	1987 JAN 02-1987 JAN 05	-	1	1699.45
134-CS	-	-	8	5.32
137-CS	-	-	5	12.08
7-BE	1987 JAN 05-1987 JAN 08	-	1	2598.71
95-ZR	-	-	5	15.68
134-CS	-	-	5	9.27
137-CS	-	-	3	22.35
144-CE	-	-	4	82.01

A. 1.3.

7-BE	1987 JAN 08-1987 JAN 12	NEW SAMPLER 6 FILTERS	0	3164.57
134-CS	-	-	11	2.41
137-CS	-	-	6	5.79
7-BE	1987 JAN 12-1987 JAN 15	-	0	3585.24
134-CS	-	-	6	5.50
137-CS	-	-	4	13.17
144-CE	-	-	32	9.22
7-BE	1987 JAN 15-1987 JAN 19	-	0	4032.37
134-CS	-	-	14	2.13
137-CS	-	-	9	4.24
7-BE	1987 JAN 19-1987 JAN 22	-	1	2892.41
103-RU	-	-	31	2.19
106-RU	-	-	17	36.76
134-CS	-	-	7	9.28
137-CS	-	-	4	21.29
7-BE	1987 JAN 22-1987 JAN 26	-	1	1874.34
106-RU	-	-	34	10.61
134-CS	-	-	10	2.96
137-CS	-	-	5	9.27
7-BE	1987 JAN 26-1987 JAN 29	-	1	2010.45
134-CS	-	-	14	2.75
137-CS	-	-	8	6.65
7-BE	1987 JAN 29-1987 FEB 02	-	1	2039.87
134-CS	-	-	12	2.66
137-CS	-	-	7	6.55
7-BE	1987 FEB 02-1987 FEB 05	-	13	6342.78
134-CS	-	-	17	7.13
137-CS	-	-	7	20.91
7-BE	1987 FEB 05-1987 FEB 09	-	1	1966.03
103-RU	-	-	24	30.01
134-CS	-	-	14	2.13
137-CS	-	-	9	4.70
7-BE	1987 FEB 09-1987 FEB 12	-	1	943.80
134-CS	-	-	7	6.16
137-CS	-	-	4	13.90
7-BE	1987 FEB 12-1987 FEB 16	-	1	1014.87
134-CS	-	-	20	1.92
137-CS	-	-	12	4.09
7-BE	1987 FEB 16-1987 FEB 19	-	1	1689.99
134-CS	-	-	14	2.80
137-CS	-	-	7	7.41
7-BE	1987 FEB 19-1987 FEB 23	-	1	2017.21
134-CS	-	-	12	2.79
137-CS	-	-	7	6.53
7-BE	1987 FEB 23-1987 FEB 26	-	0	2451.24
134-CS	-	-	14	2.53
137-CS	-	-	7	5.42
7-BE	1987 FEB 26-1987 MAR 02	-	0	3317.48
134-CS	-	-	10	2.72
137-CS	-	-	6	7.25
7-BE	1987 MAR 02-1987 MAR 05	-	0	3008.65
134-CS	-	-	10	3.09
137-CS	-	-	5	8.62
7-BE	1987 MAR 05-1987 MAR 09	-	0	3565.75
131-I	-	-	2	70.44
134-CS	-	-	12	2.60
137-CS	-	-	7	6.53
7-BE	1987 MAR 09-1987 MAR 12	-	1	4102.51
131-I	-	-	4	70.02
134-CS	-	-	4	11.71
137-CS	-	-	3	28.22

A. 1.4.

7-BE	1987 MAR 12-1987 MAR 16	NEW SAMPLER 6 FILTERS	0	4063.50
131-I	-	-	11	11.96
134-CS	-	-	9	3.62
137-CS	-	-	5	9.44
7-BE	1987 MAR 16-1987 MAR 19	-	1	2948.43
134-CS	-	-	7	6.98
137-CS	-	-	4	17.56
7-BE	1987 MAR 19-1987 MAR 23	-	1	1872.68
134-CS	-	-	22	1.16
137-CS	-	-	14	2.92
7-BE	1987 MAR 23-1987 MAR 26	-	1	1848.05
134-CS	-	-	6	7.16
137-CS	-	-	3	18.08
7-BE	1987 MAR 26-1987 MAR 30	-	1	2402.36
134-CS	-	-	17	1.92
137-CS	-	-	11	3.82
7-BE	1987 MAR 30-1987 APR 02	-	1	2084.68
134-CS	-	-	7	5.71
137-CS	-	-	4	14.35
90-SR	1987 APR	-	19	1.68
-	1987 APR-1987 JUN	LT SAMPLER GLASS	23	0.30
7-BE	1987 APR 02-1987 APR 06	NEW SAMPLER 6 FILTERS	0	4782.91
95-ZR	-	-	17	3.10
106-RU	-	-	17	26.99
110M-AG	-	-	32	1.73
134-CS	-	-	2	25.84
137-CS	-	-	1	61.07
144-CE	-	-	12	29.29
7-BE	1987 APR 06-1987 APR 09	-	1	2365.18
134-CS	-	-	8	6.11
137-CS	-	-	5	14.35
7-BE	1987 APR 09-1987 APR 13	-	1	2464.53
134-CS	-	-	10	3.27
137-CS	-	-	6	8.32
7-BE	1987 APR 13-1987 APR 17	-	1	2302.38
134-CS	-	-	11	2.48
137-CS	-	-	7	6.26
7-BE	1987 APR 17-1987 APR 21	-	1	2278.33
134-CS	-	-	17	1.77
137-CS	-	-	10	3.93
7-BE	1987 APR 21-1987 APR 24	-	1	1574.25
134-CS	-	-	18	1.99
137-CS	-	-	17	3.15
7-BE	1987 APR 24-1987 APR 27	-	1	1847.94
134-CS	-	-	23	1.56
137-CS	-	-	13	3.77
7-BE	1987 APR 27-1987 APR 30	-	0	4093.88
134-CS	-	-	13	3.55
137-CS	-	-	6	9.87
7-BE	1987 APR 30-1987 MAY 04	-	0	3946.57
134-CS	-	-	20	1.76
137-CS	-	-	10	5.09
90-SR	1987 MAY	-	79	3.06
7-BE	987 MAY 04-1987 MAY 07	-	1	3718.25
134-CS	-	-	18	2.30
137-CS	-	-	11	5.16
7-BE	1987 MAY 07-1987 MAY 11	-	1	2803.40
137-CS	-	-	11	3.47
7-BE	1987 MAY 11-1987 MAY 14	-	1	737.48
137-CS	-	-	19	2.37

A. 1.5.

7-BE	1987 MAY 14-1987 MAY 18	NEW SAMPLER 6 FILTERS	1	2130.93
137-CS	-	-	20	1.69
7-BE	1987 MAY 18-1987 MAY 21	-	1	1826.14
137-CS	-	-	21	2.39
7-BE	1987 MAY 21-1987 MAY 25	-	0	3 .43
134-CS	-	-	9	4.23
137-CS	-	-	5	10.18
7-BE	1987 MAY 25-1987 MAY 29	-	0	3491.66
134-CS	-	-	10	3.34
137-CS	-	-	5	8.59
7-BE	1987 MAY 29-1987 JUN 01	-	1	4119.86
134-CS	-	-	17	2.16
137-CS	-	-	11	4.91
90-SR	1987 JUN	-	27	1.23
7-BE	1987 JUN 01-1987 JUN 04	-	1	1601.54
-	1987 JUN 04-1987 JUN 09	-	1	1696.60
137-CS	-	-	18	1.79
7-BE	1987 JUN 09-1987 JUN 12	-	1	1771.03
137-CS	-	-	24	1.88
7-BE	1987 JUN 12-1987 JUN 15	-	1	2845.08
137-CS	-	-	36	1.41
7-BE	1987 JUN 15-1987 JUN 18	-	1	1033.03
137-CS	-	-	10	2.41
7-BE	1987 JUN 18-1987 JUN 22	-	0	2037.24
137-CS	-	-	13	1.48
7-BE	1987 JUN 22-1987 JUN 25	-	0	2575.10
134-CS	-	-	18	1.09
137-CS	-	-	11	2.29
7-BE	1987 JUN 25-1987 JUN 29	-	0	2201.65
134-CS	-	-	17	0.78
137-CS	-	-	12	1.70
7-BE	1987 JUN 29-1987 JUL 02	-	0	2682.98
134-CS	-	-	20	0.92
137-CS	-	-	12	1.95
90-SR	1987 JUL-1987 SEP	LT SAMPLER GLASS	35	0.19
-	-	NEW SAMPLER 6 FILTERS	33	0.53
7-BE	1987 JUL 02-1987 JUL 06	-	0	1798.75
137-CS	-	-	16	1.21
7-BE	1987 JUL 06-1987 JUL 09	-	0	3161.90
134-CS	-	-	21	1.12
137-CS	-	-	11	2.52
7-BE	1987 JUL 09-1987 JUL 13	-	0	2476.43
134-CS	-	-	18	0.78
137-CS	-	-	9	1.82
7-BE	1987 JUL 13-1987 JUL 16	-	0	3282.54
134-CS	-	-	14	1.61
137-CS	-	-	7	4.00
7-BE	1987 JUL 16-1987 JUL 20	-	0	3421.46
134-CS	-	-	9	1.76
137-CS	-	-	5	4.81
7-BE	1987 JUL 20-1987 JUL 23	-	0	2921.22
134-CS	-	-	7	2.52
137-CS	-	-	4	7.13
7-BE	1987 JUL 23-1987 JUL 27	-	0	1477.54
137-CS	-	-	13	1.62
7-BE	1987 JUL 27-1987 JUL 30	-	0	1528.57
137-CS	-	-	14	1.78
7-BE	1987 JUL 30-1987 AUG 03	-	0	1267.12
137-CS	-	-	13	1.24
7-BE	1987 AUG 03-1987 AUG 06	-	0	1579.02
134-CS	-	-	38	0.56
137-CS	-	-	12	1.99

A. 1.6.

7-BE	1987 AUG 06-1987 AUG 10	NEW SAMPLER 6 FILTERS	0	1412.96
137-CS	-	-	27	0.83
7-BE	1987 AUG 10-1987 AUG 11	-	1	886.75
131-I	-	-	4	57.12
137-CS	-	-	33	2.34
7-BE	1987 AUG 11-1987 AUG 12	-	1	2086.80
131-I	-	-	2	151.83
137-CS	-	-	17	4.58
7-BE	1987 AUG 12-1987 AUG 13	-	1	1851.57
131-I	-	-	2	87.69
137-CS	-	-	37	2.02
7-BE	1987 AUG 13-1987 AUG 14	-	1	3047.62
131-I	-	-	6	29.26
137-CS	-	-	35	2.12
7-BE	1987 AUG 14-1987 AUG 17	-	0	2172.19
131-I	-	-	16	6.42
134-CS	-	-	21	1.25
137-CS	-	-	10	2.54
7-BE	1987 AUG 17-1987 AUG 20	-	0	1193.37
134-CS	-	-	24	0.65
137-CS	-	-	18	1.22
7-BE	1987 AUG 20-1987 AUG 24	-	0	3440.83
134-CS	-	-	10	1.41
137-CS	-	-	5	4.06
7-BE	1987 AUG 24-1987 AUG 27	-	0	2919.94
131-I	-	-	39	2.01
134-CS	-	-	14	1.24
137-CS	-	-	7	3.54
7-BE	1987 AUG 27-1987 AUG 31	-	0	2573.24
134-CS	-	-	23	0.62
137-CS	-	-	15	1.26
7-BE	1987 AUG 31-1987 SEP 03	-	0	1999.72
137-CS	-	-	16	1.82
7-BE	1987 SEP 03-1987 SEP 07	-	0	3332.40
134-CS	-	-	12	1.39
137-CS	-	-	6	3.84
7-BE	1987 SEP 07-1987 SEP 10	-	0	1853.57
137-CS	-	-	24	1.03
7-BE	1987 SEP 10-1987 SEP 14	-	0	1949.99
134-CS	-	-	15	1.02
137-CS	-	-	13	1.45
7-BE	1987 SEP 14-1987 SEP 17	-	0	1848.45
137-CS	-	-	24	1.01
7-BE	1987 SEP 17-1987 SEP 21	-	0	2366.13
137-CS	-	-	19	1.03
7-BE	1987 SEP 21-1987 SEP 24	-	0	2656.82
137-CS	-	-	18	1.44
7-BE	1987 SEP 24-1987 SEP 28	-	1	821.04
137-CS	-	-	11	1.64
7-BE	1987 SEP 28-1987 OCT 01	-	0	1937.88
137-CS	-	-	25	1.10
7-BE	1987 OCT 01-1987 OCT 05	-	0	2877.09
134-CS	-	-	15	1.32
137-CS	-	-	5	4.25
7-BE	1987 OCT 05-1987 OCT 12	-	0	2460.94
103-RU	-	-	11	25.41
134-CS	-	-	9	1.08
137-CS	-	-	4	3.17
7-BE	1987 OCT 12-1987 OCT 19	-	0	2205.28
134-CS	-	-	14	0.92
137-CS	-	-	5	2.86

A. 1.7.

7-BE	1987 OCT 19-1987 OCT 26	NEW SAMPLER 6 FILTERS	0	4276.31
134-CS	-	-	4	4.65
137-CS	-	-	2	13.68
7-BE	1987 OCT 26-1987 NOV 02	-	0	5530.63
134-CS	-	-	6	2.54
137-CS	-	-	3	8.65
7-BE	1987 NOV 02-1987 NOV 09	-	0	3072.31
134-CS	-	-	18	0.63
137-CS	-	-	10	1.41
7-BE	1987 NOV 09-1987 NOV 16	-	0	2378.73
134-CS	-	-	13	0.81
137-CS	-	-	9	1.75
7-BE	1987 NOV 16-1987 NOV 23	-.	0	1048.58
134-CS	-	-	20	0.50
137-CS	-	-	16	0.94
7-BE	1987 NOV 23-1987 NOV 26	-	0	1773.76
134-CS	-	-	25	0.85
137-CS	-	-	9	3.33
7-BE	1987 NOV 26-1987 NOV 30	-	1	910.10
134-CS	-	-	20	0.94
137-CS	-	-	9	2.71
7-BE	1987 NOV 30-1987 DEC 07	-	0	3129.44
134-CS	-	-	3	8.62
137-CS	-	-	2	26.73
7-BE	1987 DEC 07-1987 DEC 14	-	0	1833.54
134-CS	-	-	9	0.83
137-CS	-	-	5	2.41
7-BE	1987 DEC 14-1987 DEC 21	-	0	1656.37
103-RU	-	-	19	0.48
134-CS	-	-	9	0.80
137-CS	-	-	4	2.47
7-BE	1987 DEC 21-1987 DEC 29	-	0	2296.76
131-I	-	-	65	0.38
134-CS	-	-	25	0.30
137-CS	-	-	10	1.06
7-BE	1987 DEC 29-1988 JAN 04	-	0	1506.22
137-CS	-	-	12	1.20
7-BE	1988 JAN 04-1988 JAN 11	-	0	1561.23
134-CS	-	-	11	0.63
137-CS	-	-	6	1.61

A. 2.1.

AIR SAMPLES COLLECTED AT BORNHOLM (CF. FIG. 3)

SPECIES : NEW SAMPLER 6 FILTERS
LOCATION : BORNHOLM 8
UNIT : MICRO BQ/M3

ISOTOP	DATE	SD %	RESULTS
7-BE	1986 SEP 29-1986 OCT 06	0	1996.90
60-CO	-	14	1.07
103-RU	-	14	1.58
134-CS	-	4	4.20
137-CS	-	3	9.08
7-BE	1986 OCT 06-1986 OCT 13	0	2218.32
103-RU	-	6	5.60
106-RU	-	14	20.12
134-CS	-	2	16.19
137-CS	-	1	36.49
7-BE	1986 OCT 13-1986 OCT 20	0	3897.19
103-RU	-	15	3.53
106-RU	-	33	14.91
134-CS	-	4	13.15
137-CS	-	2	28.75
7-BE	1986 OCT 20-1986 OCT 27	0	2162.88
103-RU	-	18	1.32
134-CS	-	5	4.66
137-CS	-	3	10.02
7-BE	1986 OCT 27-1986 NOV 03	0	2155.08
134-CS	-	8	2.43
137-CS	-	5	5.28
7-BE	1986 NOV 03-1986 NOV 10	0	2247.84
103-RU	-	30	0.80
106-RU	-	35	6.60
134-CS	-	6	3.85
137-CS	-	4	8.38
7-BE	1986 NOV 10-1986 NOV 17	0	4413.70
134-CS	-	4	5.30
137-CS	-	3	12.15
7-BE	1986 NOV 17-1986 NOV 24	0	2306.37
103-RU	-	31	0.98
134-CS	-	5	4.87
137-CS	-	3	11.00
7-BE	1986 NOV 24-1986 DEC 01	1	1931.62
103-RU	-	30	0.84
134-CS	-	9	2.47
137-CS	-	6	5.02
7-BE	1986 DEC 01-1986 DEC 08	0	3021.73
134-CS	-	4	8.02
137-CS	-	2	17.47
7-BE	1986 DEC 08-1986 DEC 15	0	2446.02
134-CS	-	6	4.01
137-CS	-	4	9.12
7-BE	1986 DEC 15-1986 DEC 22	1	1703.55
103-RU	-	22	1.37
106-RU	-	29	9.30
134-CS	-	4	7.36
137-CS	-	3	14.70

A. 2.2.

7-BE	1986 DEC 22-1986 DEC 29	1	1490.05
103-RU	-	28	1.20
106-RU	-	30	8.79
134-CS	-	5	5.68
137-CS	-	3	12.61
7-BE	1986 DEC 29-1987 JAN 05	0	2460.27
103-RU	-	27	1.25
106-RU	-	21	12.87
134-CS	-	3	7.88
137-CS	-	2	18.38
7-BE	1987 JAN 05-1987 JAN 12	0	3488.87
134-CS	-	5	3.70
137-CS	-	4	9.14
144-CE	-	34	7.24
7-BE	1987 JAN 12-1987 JAN 19	0	4016.76
103-RU	-	37	0.61
106-RU	-	22	9.80
134-CS	-	3	7.[illegible]9
137-CS	-	2	16.43
7-BE	1987 JAN 19-1987 JAN 26	1	1262.35
103-RU	-	12	3.61
106-RU	-	7	56.05
134-CS	-	2	18.25
137-CS	-	2	41.71
7-BE	1987 JAN 26-1987 FEB 02	0	3077.38
134-CS	-	6	4.14
137-CS	-	4	10.04
7-BE	1987 FEB 02-1987 FEB 08	1	3777.18
134-CS	-	6	8.56
137-CS	-	4	21.05
7-BE	1987 FEB 08-1987 FEB 16	1	1571.86
103-RU	-	26	634.12
134-CS	-	7	3.42
137-[illegible]3	-	6	7.16
7-BE	987 FEB 16-1987 FEB 23	0	2773.64
134-CS	-	8	3.22
137-[illegible]S	-	5	8.06
7-BE	1987 FEB 23-1987 MAR 02	0	2557.06
134-CS	-	7	2.64
137-CS	-	5	5.68
7-BE	1987 MAR 02-1987 MAR 08	0	3784.34
131-I	-	8	19.43
134-CS	-	6	5.13
137-CS	-	4	11.89
7-BE	1987 MAR 08-1987 MAR 16	0	4195.27
131-I	-	3	35.83
134-CS	-	5	3.30
137-CS	-	3	9.48
7-BE	1987 MAR 16-1987 MAR 23	0	3472.62
134-CS	-	8	4.49
137-CS	-	5	12.07
7-BE	1987 MAR 23-1987 MAR 30	0	2555.77
134-CS	-	8	2.76
137-CS	-	5	6.46
7-BE	1987 MAR 30-1987 APR 06	0	3727.58
95-ZR	-	24	2.43
106-RU	-	16	17.95
110M-AG	-	24	1.92
134-CS	-	2	25.62
137-CS	-	1	60.14
144-CE	-	14	20.69

A. 2.3.

7-BE	1987 APR 06-1987 APR 13	0	2963.29
134-CS	-	4	7.27
137-CS	-	3	18.58
7-BE	1987 APR 13-1987 APR 20	0	2635.37
134-CS	-	5	3.98
137-CS	-	3	9.69
7-BE	1987 APR 20-1987 APR 27	0	2111.78
134-CS	-	4	3.22
137-CS	-	4	7.17
144-CE	-	15	12.94
7-BE	1987 APR 27-1987 MAY 04	0	3341.14
134-CS	-	6	4.07
137-CS	-	4	9.84
7-BE	1987 MAY 04-1987 MAY 10	0	3146.63
134-CS	-	9	2.54
137-CS	-	5	7.10
7-BE	1987 MAY 10-1987 MAY 18	0	2404.80
134-CS	-	9	1.96
137-CS	-	6	4.82
7-BE	1987 MAY 18-1987 MAY 25	0	4162.41
134-CS	-	4	5.41
137-CS	-	2	14.47
7-BE	1987 MAY 25-1987 JUN 01	0	3033.70
134-CS	-	10	2.19
137-CS	-	5	5.85
7-BE	1987 JUN 01-1987 JUN 08	0	2048.77
134-CS	-	17	0.94
137-CS	-	8	3.41
7-BE	1987 JUN 08-1987 JUN 15	0	2401.76
137-CS	-	9	2.89
7-BE	1987 JUN 15-1987 JUN 22	0	2865.81
134-CS	-	6	1.41
137-CS	-	3	3.87
7-BE	1987 JUN 22-1987 JUN 29	0	2431.70
134-CS	-	12	0.97
137-CS	-	6	2.57
7-BE	1987 JUN 29-1987 JUL 06	1	1753.58
137-CS	-	10	3.01
7-BE	1987 JUL 06-1987 JUL 13	0	3218.32
134-CS	-	11	1.76
137-CS	-	7	4.44
7-BE	1987 JUL 13-1987 JUL 20	0	3462.17
134-CS	-	7	3.26
137-CS	-	4	9.12
7-BE	1987 JUL 20-1987 JUL 27	1	1755.84
134-CS	-	11	1.76
137-CS	-	7	4.04
7-BE	1987 JUL 27-1987 AUG 03	1	1492.72
137-CS	-	21	1.33
7-BE	1987 AUG 03-1987 AUG 10	0	1884.04
134-CS	-	14	0.75
137-CS	-	7	1.94
7-BE	1987 AUG 10-1987 AUG 17	1	2034.30
131-I	-	21	13.13
134-CS	-	19	1.07
137-CS	-	11	2.44
7-BE	1987 AUG 17-1987 AUG 24	0	2542.53
134-CS	-	17	1.12
137-CS	-	8	3.49

A. 2.4.

7-BE	1987 AUG 24-1987 AUG 31	0	3236.13
134-CS	-	21	1.06
137-CS	-	9	3.65
7-BE	1987 AUG 31-1987 SEP 07	0	3137.35
134-CS	-	12	1.29
137-CS	-	5	4.48
7-BE	1987 SEP 07-1987 SEP 14	0	3001.65
134-CS	-	24	0.72
137-CS	-	9	2.56
7-BE	1987 SEP 14-1987 SEP 21	1	2122.15
134-CS	-	24	0.76
137-CS	-	10	2.69
7-BE	1987 SEP 21-1987 SEP 28	0	2476.00
137-CS	-	13	1.69
7-BE	1987 SEP 28-1987 OCT 05	0	2360.34
134-CS	-	15	1.26
137-CS	-	7	4.11
7-BE	1987 OCT 05-1987 OCT 12	0	6154.69
134-CS	-	9	4.11
137-CS	-	5	10.86
7-BE	1987 OCT 12-1987 OCT 19	0	2972.89
134-CS	-	18	1.09
137-CS	-	8	4.08
7-BE	1987 OCT 19-1987 OCT 26	0	3982.71
134-CS	-	6	4.10
137-CS	-	3	12.08
7-BE	1987 OCT 26-1987 NOV 02	0	5232.64
134-CS	-	8	3.25
137-CS	-	4	9.82
7-BE	1987 NOV 02-1987 NOV 09	0	3103.68
134-CS	-	24	0.81
137-CS	-	13	2.21
7-BE	1987 NOV 09-1987 NOV 15	0	3016.07
137-CS	-	15	2.28
7-BE	1987 NOV 15-1987 NOV 23	1	1325.62
137-CS	-	15	1.66
7-BE	1987 NOV 23-1987 NOV 29	1	1080.32
134-CS	-	15	1.17
137-CS	-	7	4.08
7-BE	1987 NOV 29-1987 DEC 06	1	1755.17
134-CS	-	28	0.73
137-CS	-	12	2.33
7-BE	1987 DEC 06-1987 DEC 14	0	2306.43
134-CS	-	13	1.23
137-CS	-	7	3.47
7-BE	1987 DEC 14-1987 DEC 22	1	2842.40
134-CS	-	16	1.64
137-CS	-	11	3.69
7-BE	1987 DEC 22-1987 DEC 28	1	2533.84
103-RU	-	23	33.47
137-CS	-	16	2.20
7-BE	1987 DEC 28-1988 JAN 04	1	1884.18
137-CS	-	15	2.03
7-BE	1988 JAN 04-1988 JAN 11	1	1777.03
137-CS	-	13	1.82

B. 1.1.

PRECIPITITION COLLECTED AT RISØ (55°42'N 12°05'E)
BY A 10 M2 ION EXCHANGER COLLECTOR

SPECIES : 10 M2 ION-EXCHANGER
LOCATION : RISØE AND ENVIRONS
UNIT : BQ/M2

ISOTOP	DATE	SD %	RESULTS
7-BE	1986 OCT	1	70.9893
90-SR	-	1	0.0603
95-ZR	-	10	0.1658
103-RU	-	11	0.1561
106-RU	-	20	0.3892
134-CS	-	1	1.1420
137-CS	-	1	2.4111
144-CE	-	14	0.5327
7-BE	1986 NOV	1	61.2959
90-SR	-	1	0.1131
103-RU	-	16	0.0863
106-RU	-	18	0.4614
134-CS	-	1	0.8464
137-CS	-	1	1.9416
144-CE	-	30	0.2000
7-BE	1986 DEC	1	40.7648
90-SR	-	4	0.0154
106-RU	-	33	0.3476
134-CS	-	3	0.5628
137-CS	-	2	1.2521
7-BE	1987 JAN	1	47.1510
90-SR	-	3	0.0972
95-ZR	-	4	0.5817
103-RU	-	11	0.3708
106-RU	-	6	4.1600
110M-AG	-	6	0.1872
125-SB	-	24	0.2060
134-CS	-	0	4.1425
137-CS	-	0	9.8050
144-CE	-	8	1.1652
7-BE	1987 FEB	1	29.9696
90-SR	-	1	0.0538
103-RU	-	34	0.0544
106-RU	-	9	1.6989
134-CS	-	2	0.9939
137-CS	-	1	2.2876
144-CE	-	22	0.3639
7-BE	1987 MAR	1	29.1540
90-SR	-	3	0.0204
106-RU	-	19	0.4575
134-CS	-	2	0.5657
137-CS	-	1	1.3197
144-CE	-	34	0.1620
7-BE	1987 APR	1	52.2135
90-SR	-	1	0.0369
134-CS	-	2	0.5098
137-CS	-	1	1.2395
7-BE	1987 MAY	0	57.3762
90-SR	-	3	0.0182
134-CS	-	2	0.3704
137-CS	-	1	0.9828

B. 1.2.

7-BE	1987 JUN	3	119.2164
90-SR	-	1	0.0306
106-RU	-	32	0.2970
134-CS	-	2	0.4808
137-CS	-	2	1.1924
7-BE	1987 JUL	1	134.0232
90-SR	-	2	0.0338
134-CS	-	4	0.4365
137-CS	-	2	1.2399
7-BE	1987 AUG	0	73.0146
90-SR	-	3	0.0126
131-I	-	40	0.1315
134-CS	-	2	0.2575
137-CS	-	1	0.7132
7-BE	1987 SEP	0	93.1835
90-SR	-	2	0.0181
134-CS	-	5	0.1581
137-CS	-	3	0.4310
7-BE	1987 OCT	1	37.2835
134-CS	-	5	0.1095
137-CS	-	3	0.3053
7-BE	1987 NOV	0	91.3130
134-CS	-	7	0.0884
137-CS	-	4	0.2776
7-BE	1987 DEC	1	57.5000
134-CS	-	7	0.0852
137-CS	-	4	0.2417

B. Z.i.

PRECIPITATION COLLECTED IN THE FAROE ISLANDS AT TWO LOCATIONS (CF. FIG. 9)

DATE : 1986 OCT-1986 DEC
SPECIES : PRECIPITATION
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
THORSHAVN (HQJVIG)	0.0079	17	104	2	0.49	3
KLAKSVIG	0.0177	9	175	1	0.47	2
MEAN:	0.0128		140		0.48	
S.E. %:	38		26		0	

B. 3.1.

PRECIPITATION COLLECTED COUNTRYWIDE IN DENMARK AT 10 STATE EXPERIMENTAL FARMS (CF. FIG. 1)

DATE : 1986 SEP-1986 OCT
SPECIES : PRECIPITATION EXP.FARMS
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %	89/90	SD %
LOCATION								
TYLSTRUP	0.30	2	10.75	2	0.53	3		
KALQ	0.58	3	18.16	2	0.48	2	24	50
ASKOV	1.08	3	61.10	1	0.50	2	12	50
BORRIS	0.40	6	9.95	3	0.51	3		
ST.JYNDEVAD	0.75	2	20.22	2	0.51	2	16	50
AARSLEV	0.82	3	33.65	1	0.47	2	9	50
TYSTOFTE	0.15	6	12.87	2	0.47	3	16	50
LEDREBORG	0.28	14	9.00	2	0.51	3		
ABED	0.78	3	20.33	1	0.51	2		
AAKIRKEBY	1.34	7	13.46	2	0.46	3	15	50
MEAN:	0.65		20.95		0.49			
S.E. %:	18		24		1			

DATE : 1986 NOV-1986 DEC
SPECIES : PRECIPITATION EXP.FARMS
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.23	44	7.24	2	0.47	3
KALQ	0.55	2	17.04	2	0.42	2
ASKOV	0.46	4	39.19	1	0.47	1
BORRIS	0.11	10	1.69	8	0.50	11
ST.JYNDEVAD	0.27	2	10.50	2	0.49	2
AARSLEV	0.47	6	24.91	1	0.49	2
TYSTOFTE	0.09	23	7.01	3	0.49	4
LEDREBORG	0.08	20	7.04	3	0.48	5
ABED	0.28	2	9.00	2	0.52	3
AAKIRKEBY	0.68	5	7.86	3	0.48	4
MEAN:	0.32		13.15		0.48	
S.E. %:	71		27		2	

B. 3.2.

DATE : 1987 JAN-1987 FEB
SPECIES : PRECIPITATION EXP.FARMS
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.13	14	2.24	8	0.43	15
KALQ	0.20	3	6.97	3	0.45	5
ASKOV	0.27	7	11.32	2	0.46	2
BORRIS	0.06	10	0.53	26	0.64	39
ST.JYNDEVAD	0.08	16	4.40	4	0.44	7
AARSLEV	0.17	7	6.18	3	0.45	5
TYSTOFTE	0.05	30	1.66	9	0.55	14
LEDREBORG	0.05	15	2.62	7	0.50	11
ABED	0.71	9	5.82	3	0.41	6
AAKIRKEBY	0.23	5	2.60	6	0.47	11
MEAN:	0.20		4.43		0.48	
S.E. %:	32		23		4	

DATE : 1987 MAR-1987 APR
SPECIES : PRECIPITATION EXP.FARMS
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.20	10	4.42	2	0.41	5
KALQ	0.36	12	12.92	2	0.40	3
ASKOV	0.26	3	15.59	2	0.40	3
BORRIS	0.14	29	1.05	12	0.46	23
ST.JYNDEVAD	0.16	2	4.91	4	0.41	7
AARSLEV	0.22	6	9.42	3	0.44	4
TYSTOFTE	0.05	35	2.00	5	0.45	10
LEDREBORG	0.12	10	3.10	4	0.43	7
ABED	0.13	16	6.49	2	0.39	3
AAKIRKEBY	0.34	4	4.65	2	0.41	5
MEAN:	0.20		6.45		0.42	
S.E. %:	16		23		2	

B. 3.3.

DATE : 1987 MAY-1987 JUN
SPECIES : PRECIPITATION EXP.FARMS
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.32	13	5.16	4	0.37	7
KALQ	0.42	9	8.29	3	0.38	5
ASKOV	0.43	11	14.89	2	0.40	3
BORRIS	0.46	30	0.31	27	0.51	50
ST.JYNDEVAD	0.41	6	6.18	3	0.44	5
AARSLEV	0.33	11	9.82	2	0.42	4
TYSTOFTE	0.05	19	2.30	7	0.45	12
LEDREBORG	0.19	10	4.28	4	0.34	9
ABED	0.31	9	11.14	2	0.40	4
AAKIRKEBY	0.43	6	2.79	6	0.39	11
MEAN:	0.34		6.52		0.41	
S.E. %:	12		22		4	

DATE : 1987 JUL-1987 AUG
SPECIES : PRECIPITATION EXP.FARMS
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.31	6	5.37	3	0.34	7
KALQ	0.19	7	3.68	5	0.35	9
ASKOV	0.37	4	12.85	2	0.38	3
BORRIS	0.20	9	0.39	26	0.30	71
ST.JYNDEVAD	0.17	17	5.44	3	0.39	6
AARSLEV	0.30	6	7.78	3	0.36	5
TYSTOFTE	0.04	28	2.17	4	0.34	11
LEDREBORG	0.10	12	3.75	3	0.34	6
ABED	0.26	8	9.18	1	0.36	3
AAKIRKEBY	0.59	95	3.48	5	0.34	11
MEAN:	0.25		5.41		0.35	
S.E. %:	19		21		2	

B. 3.4.

DATE : 1987 SEP-1987 OCT
SPECIES : PRECIPITATION EXP.FARMS
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.15	13	2.94	5	0.37	10
KALQ	0.35	5	2.81	5	0.35	11
ASKOV	0.22	7	8.28	2	0.36	5
RORRIS	0.41	12	0.63	22		
ST.JYNDEVAD	0.13	11	3.46	2	0.40	5
AARSLEV	0.32	6	4.59	4	0.41	8
TYSTOFTE	0.97	24	1.45	7	0.40	14
LEDREBORG	0.19	12	2.20	5	0.42	9
ABED	0.20	12	4.49	2	0.44	4
AARSKOBBY	1.00	3	2.44	4	0.25	12
MEAN:	0.30		3.33		0.38	
S.E. %:	28		20		5	

B. 4.1.

PRECIPITATION COLLECTED COUNTRYWIDE IN GREENLAND (CF. FIG. 10)

DATE : 1986 OCT-1986 DEC
SPECIES : PRECIPITATION
UNIT : BQ/M2

ISOTOP	90-SR	SD %	137-CS	SD %
LOCATION				
[illegible]	0.74	13	BDL	
[illegible]	0.25	6		
[illegible]	0.62	7	2.46	49
MEAN:	0.54			
S.E. %:	27			

B. 5.1.

PRECIPITATION COLLECTED AT RISØ (55°42'N 12°05'E) BY A 1 M2 COLLECTOR

DATE	137-CS BQ/M3
1986 OCT 06	< 730
1986 OCT 27	< 490
1986 OCT 31	< 530
1986 NOV 07	< 360
1986 NOV 17	< 470
1986 NOV 24	< 1200
1986 DEC 01	< 960
1986 DEC 05	< 870
1986 DEC 22	< 980
1986 DEC 29	< 630
1987 JAN 05	< 750
1987 FEB 02	< 620
1987 FEB 19	< 600
1987 MAR 20	< 830
1987 MAR 31	320
1987 APR 21	< 520
1987 MAY 13	< 540
1987 MAY 22	< 540
1987 JUN 17	< 690
1987 JUN	< 500
1987 JUL	< 440
1987 AUG 12	< 760
1987 AUG	< 520
1987 SEP	< 650

C. 1.1.

STREAM AND LAKE WATER COLLECTED COUNTRYWIDE IN DENMARK (CF. FIG. 6)

DATE : 1986 OCT
SPECIES : STREAM WATER
UNIT : BQ/M3

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
BANGSBO AA	7.34	4	BDL			
GUDEN AA	5.63	7	8.28	16	0.55	28
SKJERN AA	8.23	7	4.17	27		
RIBE AA	4.08	6	7.61	15	0.44	34
ODENSE AA	4.14	8	14.02	10	0.51	18
SUSAA	12.99	4	10.06	12	0.52	20
HALSTED AA	9.48	2	3.11	38		
MEAN:	7.41		7.87			
S.E. %:	16		21			

DATE : 1987 FEB (LAES AA COLLECTED 17 MAY 1987)
SPECIES : STREAM WATER
UNIT : BQ/M3

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
BANGSBO AA	8.04	4	1.99	22	0.51	45
GUDEN AA	6.60	7	6.65	7	0.44	14
SKJERN AA	7.92	3	2.34	21	0.40	52
RIBE AA	5.66	6	2.15	25	0.65	40
ODENSE AA	9.91	2	2.55	17	0.38	41
SUSAA	11.35	6	3.12	16	0.40	38
HALSTEDAA	12.36	1	1.82	30	0.62	44
LAES AA	16.19	2				
MEAN:	9.75		2.95		0.49	
S.E. %:	13		22		9	

C. 1.2.

DATE : 1986 OCT
SPECIES : LAKE WATER
UNIT : BQ/M3

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
NORSSQ	38.16	1	96.98	2	0.47	3
MOSSQ	13.96	3	18.47	8	0.36	21
FLYNDER SQ	18.84	3	37.99	5	0.56	7
HOSTRUP SQ	56.30	2	34.48	4	0.48	5
ARRESKOVSQ	18.10	2	8.28	13	0.60	28
ARRESQ	22.60	8	40.53	3	0.51	4
SQNDERSQ	6.63	3	38.01	4	0.52	5
MEAN:	24.94		39.25		0.50	
S.E. %:	26		27		6	

DATE : 1987 FEB (ALMINDINGE SQ COLLECTED 17 MAY 1987)
SPECIES : LAKE WATER
UNIT : BQ/M3

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
NORSSQ	19.85	3	9.94	6	0.41	11
MOSSQ	7.89	5	3.29	15	0.40	34
FLYNDER SQ	10.01	1	28.26	2	0.38	5
HOSTRUP SQ	26.10	2	35.21	2	0.41	4
ARRESKOVSQ	30.28	3	14.77	4	0.36	9
ARRESQ	20.12	8	36.30	2	0.39	4
SQNDERSQ	24.96	3	37.64	2	0.46	3
ALMINDINGE SQ	25.36	1	1.98	22	0.19	100
MEAN:	20.57		20.92		0.37	
S.E. %:	14		26		8	

SPECIES : LAKE WATER
UNIT : BQ/M3

ISOTOP	DATE	LOCATION	SD %	RESULTS
137-CS	1987 FEB 03	SJAELSQ	5	25.13
-	1987 APR 23	-	3	12.90
-	1987 APR 08	HARALDSTEDSQ	13	1.09
134/137	1987 FEB 03	SJAELSQ	12	0.40
-	1987 APR 23	-	5	0.35
-	1987 APR 08	HARALDSTEDSQ	21	0.54

C. 2.1.

STREAM AND LAKE WATER COLLECTED IN THE FAROE ISLANDS (CF. FIG. 9)

DATE : 1987 JUL
SPECIES : STREAM WATER
UNIT : BQ/M3

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
SANDA (STRQMQ)	5.81	8.	0.25	30.
HOYDALSA (STRQMQ)	10.56	6.	0.26	18.
STORA (SYDERQ)	5.85	10.	0.28	29.
MEAN:	7.41		0.26	
S.E. %:	21.		4.	

DATE : 1987 JUL
SPECIES : LAKE WATER
UNIT : BQ/M3

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
LEYNAVATN (STRQMQ)	3.73	17.		
SORVAGSVATN (VAAGQ)	9.94	5.	0.16	26.
MEAN:	6.84		0.16	
S.E. %:	45.			

D. 1.1.

GROUND WATER COLLECTED COUNTRYWIDE IN DENMARK (CF. FIG. 7)

DATE : 1987 FEB
SPECIES : GROUND WATER
UNIT : BQ/M3

ISOTOP	90-SR	SD %	137-CS	SD %
LOCATION				
FAAREPOFTE	0.080	14		
HVIDSTEN	0.069	22		
FREDERICIA	0.267	4		
FELDBAK	73.000	1	0.34	31
RQMQ	0.191	10		
RAVNHOLT	0.081	25		
KALUNDBORG	0.124	11		
MAGLEKILDE	1.393	6		
HASSELQ	0.011	52		
RQNNE NEW	0.012	76		
RQNNE OLD	0.057	28		
MEAN:	6.844			
S.E. %:	97			

RQNNE COLLECTED IN MAY 1987

E. 1.1.

DRINKING WATER COLLECTED COUNTRYWIDE IN DENMARK (CF. FIG. 3)

DATE : 1987 JUN
SPECIES : DRINKING WATER
UNIT : BQ/M3

ISOTOP		90-SR	SD %	137-CS	SD %
LOCATION					
N-JUTLAND	1	0.916	2	0.063	29
E-JUTLAND	2	0.335	4	0.056	34
W-JUTLAND	3	1.721	3	0.069	43
S-JUTLAND	4	0.086	18	0.050	50
FUNEN	5	0.139	15	0.069	41
ZEALAND	6	0.079	3	0.047	30
LOL-FALST.	7	0.210	45	0.063	43
BORNHOLM	8	0.830	2	0.069	34
MEAN:		0.540		0.061	
S.E. %:		38		5	

E. 2.1.

DRINKING WATER COLLECTED COUNTRYWIDE IN THE FAROE ISLANDS (CF. FIG. 9)

DATE : 1986 OCT
SPECIES : DRINKING WATER
UNIT : BQ/M3

ISOTOP	90-SR	SD %
LOCATION		
THORSHAVN (HQJVIG)	4.77	3
KLAKSVIG	1.32	26
TVAERAA	2.69	7
MEAN:	2.93	
S.E. %:	34	

DATE : 1987 JUL
SPECIES : DRINKING WATER
UNIT : BQ/M3

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
THORSHAVN (HQJVIG)	5.52	9	0.242	31
KLAKSVIG	3.16	17	0.206	69
TVAERAA	10.40	5	0.293	15
SQRVAAG/SQRVAGUR (VAAGQ)	8.67	6	0.273	19
MEAN:	6.94		0.254	
S.E. %:	23		7	

E. 3.1.

DRINKING WATER COLLECTED COUNTRYWIDE IN GREENLAND (CF. FIG. 10)

SPECIES : DRINKING WATER
UNIT : BQ/M3

ISOTOP	DATE	LOCATION	SD %	RESULTS
90-SR	1986 OCT-1986 DEC	SCORESBYSUND	2	15.95
137-CS	-	-	18	7.13
90-SR	1987 JAN-1987 MAR	GODTHAAB	2	8.31
137-CS	-	-	9	3.72
134/137	-	-	25	0.32

F. 1.1.

SOIL COLLECTED CONTINUOUS IN DENMARK AT THE 10 STATE EXPERIMENTAL FARMS (CF. FIG. 1)

DATE : 1987 AUG-1987 SEP
SPECIES : SOIL UNCOR. 0-5 CM
UNIT : BQ/M2

GROUP	90-SR	SD %	106-RU	SD %	137-CS	SD %	239,240-PU	SD %	241-AM	SD %	134/137	SD %
LOCATION												
TYLSTRUP	197	1			1441	1	14.7	10	4.2	15	0.14	3
KALQ	178	1			1044	1	16.6	8	5.6	15	0.18	2
ASKOV	248	1	768	19	3320	1	13.7	10	3.7	20	0.29	1
BORRIS	110	1	183	38	1242	1	10.3	11	2.7	20	0.22	2
ST.JYNDEVAD	76	1			1269	1	8.8	11	1.8	25	0.26	2
AARSLEV	190	1	429	17	1942	1	7.3	12	2.6	15	0.30	1
TYSTOFTE	141	1	308	32	1177	1	10.0	17	3.2	25	0.19	3
LEDREBORG	147	1			959	2	7.5	13	1.0	25	0.21	4
ABED	99	6			817	1	6.7	11	1.2	25	0.21	3
TORNBYGAARD	105	1			960	2	8.3	12	2.6	20	0.21	5
MEAN:	149				1497		10.4		2.9		0.22	
S.E. %:	11				16		18		15		7	

DATE	LOCATION
1987 AUG 24	TYLSTRUP
-	KALQ
1987 AUG 26	ASKOV
1987 AUG 25	BORRIS
-	ST.JYNDEVAD
1987 SEP 01	AARSLEV
1987 SEP 14	TYSTOFTE
-	LEDREBORG
1987 AUG 31	ABED
1987 MAY 19	TORNBYGAARD

F. 2.1.

SPECIAL SOIL SAMPLES COLLECTED TO A DEPTH OF 100 CM AT RISØ AND ST. JYNDEVAD IN 1987. UNIT: 137-CS BQ/M2.

LAYER IN CM	RISØ (31 MARCH)	ST. JYNDEVAD (6 APRIL)
0-5	893	1163*
5-10	692	471
10-15	386	70
15-20	238	47
20-30	<135	< 30
30-40	< 40	< 20
40-50	< 40	< 20
50-60	< 40	< 20
60-70	< 40	< 20
70-80	< 40	< 20
80-90	< 40	< 20
90-100	< 40	< 20

*CHERNOBYL 137-CS: 710 BQ/M2

F. 3.1.

SEDIMENT SAMPLES COLLECTED AROUND ZEALAND IN THE DANISH STRAITS (CF. FIG. 8)

UNIT : BQ/M2

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS	
137-CS	1986 DEC 06	SEDIMENT 0-3 CM	BOLUND	4	152.000	
134/137	-	-	-	12	0.200	
137-CS	-	SEDIMENT 3-6 CM	-	4	190.000	
-	-	SEDIMENT 6-9 CM	-	9	107.468	
-	-	SEDIMENT 9-12 CM	-	15	29.430	
-	1986 OCT 16	SEDIMENT 0-3 CM	5517.1233	4	410.251	
134/137	-	-	-	19	0.163	
137-CS	-	SEDIMENT 3-6 CM	-	9	191.201	
-	-	SEDIMENT 6-9 CM	-	18	64.873	
90-SR	1986 NOV 17	SEDIMENT 0-3 CM	5523.1103	5	2.932	
137-CS	-	-	-	3	528.162	
239,240-PU	-	-	-	10	6.250	6.800
241-AM	-	-	-	5	2.220	
90-SR	-	SEDIMENT 3-6 CM	-	6	2.962	
137-CS	-	-	-	3	238.021	
90-SR	-	SEDIMENT 6-9 CM	-	13	1.127	
137-CS	-	-	-	12	54.003	
90-SR	-	SEDIMENT 9-12 CM	-	10	1.333	
137-CS	-	-	-	11	60.346	
90-SR	-	SEDIMENT 12-15 CM	-	9	1.320	
137-CS	-	-	-	10	59.188	
-	1986 OCT 17	SEDIMENT 0-3 CM	5534.1509	3	250.321	
-	-	SEDIMENT 3-6 CM	-	3	229.658	
-	-	SEDIMENT 6-9 CM	-	4	207.094	
-	-	SEDIMENT 9-12 CM	-	11	69.758	
-	-	SEDIMENT 12-15 CM	-	20	50.314	
-	1987 MAY 07	SEDIMENT 0-3 CM	5542.1205	3	322.810	
239,240-PU	-	-	-	10	3.200	
241-AM	-	-	-	-	0.950	
134/137	-	-	-	7	0.227	
137-CS	-	SEDIMENT 3-6 CM	-	2	656.017	
134/137	-	-	-	7	0.119	
137-CS	-	SEDIMENT 6-9 CM	-	3	389.718	
134/137	-	-	-	28	0.065	
137-CS	-	SEDIMENT 9-12 CM	-	3	330.402	
-	-	SEDIMENT 12-15 CM	-	5	154.350	
60-CO	1986 NOV 19	SEDIMENT 0-3 CM	5545.1252	8	58.552	
137-CS	-	-	-	2	419.106	
238-PU	-	-	-	25	0.530	
239,240-PU	-	-	-	9	12.800	
241-AM	-	-	-	5	3.950	
137-CS	1987 MAY 07	SEDIMENT 0-1 CM	5553.120[illegible]	4	116.855	
134/137	-	-	-	14	0.187	
137-CS	-	SEDIMENT 1-2 CM	-	4	110.248	
134/137	-	-	-	16	0.173	
137-CS	-	SEDIMENT 2-3 CM	-	8	44.857	
134/137	-	-	-	24	0.206	
137-CS	-	SEDIMENT 3-4 CM	-	8	46.632	
-	-	SEDIMENT 4-5 CM	-	12	16.170	

F. 3.2.

137-CS	1987 MAY 07	SEDIMENT 0-1 CM	5554.1150	7	29.212
134/137	-	-	-	21	0.244
137-CS	-	SEDIMENT 1-2 CM	-	4	64.013
134/137	-	-	-	17	0.174
137-CS	-	SEDIMENT 2-3 CM	-	3	143.558
134/137	-	-	-	12	0.186
137-CS	-	SEDIMENT 3-4 CM	-	6	104.916
134/137	-	-	-	30	0.127
95-ZR	1986 NOV 01	SEDIMENT 0-3 CM	5605.1742	13	164.194
137-CS	-	-	-	3	435.728
134/137	-	-	-	9	0.222
137-CS	-	SEDIMENT 3-9 CM	-	27	61.687
-	1986 NOV 17	SEDIMENT 0-3 CM	5610.1147	7	231.123
134/137	-	-	-	24	0.151
90-SR	-	-	-	19	2.048
137-CS	-	SEDIMENT 3-6 CM	-	10	141.873
90-SR	-	-	-	20	1.292
137-CS	-	SEDIMENT 6-9 CM	-	23	54.603
90-SR	-	-	-	59	0.711
106-RU	1986 OCT 16	SEDIMENT 0-3 CM	5630.1200	27	475.835
137-CS	-	-	-	4	349.727
134/137	-	-	-	20	0.126
137-CS	-	SEDIMENT 3-6 CM	-	4	380.929
-	-	SEDIMENT 6-9 CM	-	5	247.071
-	1986 OCT 15	SEDIMENT 0-3 CM	5645.1100	10	67.965
134/137	-	-	-	15	0.548
137-CS	-	SEDIMENT 3-6 CM	-	9	74.881
-	-	SEDIMENT 6-9 CM	-	7	82.625
60-CO	1986 OCT 15	SEDIMENT 0-3 CM	- 5700.1200	20	21.277
137-CS	-	-	-	4	400.600
134/137	-	-	-	1:	0.068
137-CS	-	SEDIMENT 3-6 CM	-	4	406.775
134/137	-	-	-	27	0.059
137-CS	-	SEDIMENT 6-9 CM	-	3	428.817
-	-	SEDIMENT 9-12 CM	-	4	408.198
-	-	SEDIMENT 12-15 CM	-	5	277.419
-	-	SEDIMENT 15-18 CM	-	7	132.635
-	1987 MAY 13	SEDIMENT 0-3 CM	5715.1204	3	331.778
106-RU	-	-	-	28	442.466
137-CS	-	-	-	3	494.886
238-PU	-	-	-	30	1.600
239,240-PU	-	-	-	10	14.600
241-AM	-	-	-	-	4.600
134/137	-	-	-	12	0.164
60-CO	-	SEDIMENT 3-6 CM	-	3	603.994
125-SB	-	-	-	31	120.156
137-CS	-	-	-	3	557.854
134/137	-	-	-	23	0.060
60-CO	-	SEDIMENT 6-9 CM	-	5	180.252
137-CS	-	-	-	4	331.452
60-CO	-	SEDIMENT 9-12 CM	-	15	55.585
137-CS	-	-	-	6	188.098

6.1.1.

SEAWATER COLLECTED AROUND ZEALAND IN THE DANISH STRAITS (CF. FIG. 8)

ISOTOPE	DATE	SPECIES	LOCATION	SD %	UNIT	RESULTS
CL	1987 MAY 26	SEAWATER 0 M	5428.1138	5	0/00 DRY MATTER	8.50
137-CS	-	-	-	2	BQ/M3	80.31
134-CS/137-CS	-	-	-	4	-	0.39
CL	-	SEAWATER 17 M	-	5	0/00 DRY MATTER	9.80
137-CS	-	-	-	1	BQ/M3	70.56
134-CS/137-CS	-	-	-	2	-	0.36
CL	1986 NOV 20	SEAWATER 0 M	5420.1150	5	0/00 DRY MATTER	12.16
137-CS	-	-	-	2	BQ/M3	57.71
134-CS/137-CS	-	-	-	3	-	0.33
CL	1986 NOV 18	-	5436.1104	5	0/00 DRY MATTER	14.00
90-SR	-	-	-	8	BQ/M3	25.02
137-CS	-	-	-	2	-	70.04
134-CS/137-CS	-	-	-	-	-	0.35
CL	-	SEAWATER 32 M	-	5	0/00 DRY MATTER	21.99
137-CS	-	-	-	2	BQ/M3	94.12
134-CS/137-CS	-	-	-	3	-	0.36
CL	1987 MAY 26	SEAWATER 0 M	-	5	0/00 DRY MATTER	10.22
90-SR	-	-	-	1	BQ/M3	18.95
137-CS	-	-	-	2	-	75.76
134-CS/137-CS	-	-	-	5	-	0.33
CL	-	SEAWATER 27 M	-	5	0/00 DRY MATTER	20.15
137-CS	-	-	-	1	BQ/M3	67.27
134-CS/137-CS	-	-	-	3	-	0.27
CL	-	SEAWATER 0 M	5442.1214	5	0/00 DRY MATTER	8.09
90-SR	-	-	-	1	BQ/M3	21.23
137-CS	-	-	-	2	-	87.74
134-CS/137-CS	-	-	-	3	-	0.37
CL	-	SEAWATER 18 M	-	5	0/00 DRY MATTER	10.56
137-CS	-	-	-	2	BQ/M3	70.25
134-CS/137-CS	-	-	-	4	-	0.35
CL	1986 NOV 18	SEAWATER 0 M	5452.1050	5	0/00 DRY MATTER	15.77
137-CS	-	-	-	2	BQ/M3	82.08
134-CS/137-CS	-	-	-	-	-	0.35
CL	-	SEAWATER 31 M	-	5	0/00 DRY MATTER	17.20
137-CS	-	-	-	2	BQ/M3	87.63
134-CS/137-CS	-	-	-	3	-	0.35
CL	1987 MAY 27	SEAWATER 0 M	-	5	0/00 DRY MATTER	11.22
90-SR	-	-	-	1	BQ/M3	20.16
137-CS	-	-	-	2	-	72.40
134-CS/137-CS	-	-	-	4	-	0.36
CL	-	SEAWATER 17 M	-	5	0/00 DRY MATTER	24.16
137-CS	-	-	-	2	BQ/M3	60.03
134-CS/137-CS	-	-	-	5	-	0.23
CL	1987 MAY 26	SEAWATER 0 M	5456.1241	5	0/00 DRY MATTER	7.89
137-CS	-	-	-	2	BQ/M3	69.03
134-CS/137-CS	-	-	-	3	-	0.38
CL	-	SEAWATER 23 M	-	5	0/00 DRY MATTER	8.45
137-CS	-	-	-	2	BQ/M3	72.20
134-CS/137-CS	-	-	-	4	-	0.34
CL	1986 NOV 20	SEAWATER 0 M	5457.1241	5	0/00 DRY MATTER	9.56
90-SR	-	-	-	1	BQ/M3	19.54
137-CS	-	-	-	2	-	40.26
134-CS/137-CS	-	-	-	3	-	0.31

G. 1.2.

ISOTOP	DATE	SPECIES	LOCATION	SD %	UNIT	RESULTS
CL	1987 MAY 27	SEAWATER 0 M	5507.1110	5	0/00 DRY MATTER	16.05
90-SR	-	-	-	1	BQ/M3	19.62
137-CS	-	-	-	2	-	65.67
134-CS/137-CS	-	-	-	5	-	0.31
CL	-	SEAWATER 36 M	-	5	0/00 DRY MATTER	32.31
137-CS	-	-	-	3	BQ/M3	52.46
134-CS/137-CS	-	-	-	9	-	0.18
CL	1987 MAY 26	SEAWATER 0 M	5511.1236	5	0/00 DRY MATTER	7.82
90-SR	-	-	-	1	BQ/M3	20.75
137-CS	-	-	-	1	-	93.88
134-CS/137-CS	-	-	-	2	-	0.30
CL	-	SEAWATER 20 M	-	5	0/00 DRY MATTER	8.29
137-CS	-	-	-	2	BQ/M3	74.67
134-CS/137-CS	-	-	-	4	-	0.37
CL	1986 OCT 16	SEAWATER 0 M	5517.1233	5	0/00 DRY MATTER	8.23
90-SR	-	-	-	0	BQ/M3	19.45
137-CS	-	-	-	3	-	33.43
134-CS/137-CS	-	-	-	11	-	0.24
CL	1986 NOV 17	-	5523.1103	5	0/00 DRY MATTER	16.02
137-CS	-	-	-	2	BQ/M3	76.45
134-CS/137-CS	-	-	-	3	-	0.33
CL	-	SEAWATER 23 M	-	5	0/00 DRY MATTER	18.51
90-SR	-	-	-	1	BQ/M3	18.10
137-CS	-	-	-	2	-	79.98
134-CS/137-CS	-	-	-	-	-	0.31
CL	1987 MAY 27	SEAWATER 0 M	-	5	0/00 DRY MATTER	12.21
90-SR	-	-	-	1	BQ/M3	19.91
137-CS	-	-	-	2	-	72.17
134-CS/137-CS	-	-	-	4	-	0.33
CL	-	SEAWATER 25 M	-	5	0/00 DRY MATTER	31.04
137-CS	-	-	-	3	BQ/M3	54.66
134-CS/137-CS	-	-	-	8	-	0.20
CL	1986 NOV 18	SEAWATER 14 M	5525.1237	5	0/00 DRY MATTER	12.33
90-SR	-	-	-	1	BQ/M3	17.47
137-CS	-	-	-	2	-	51.14
134-CS/137-CS	-	-	-	3	-	0.32
CL	1987 MAY 26	SEAWATER 0 M	-	5	0/00 DRY MATTER	7.79
137-CS	-	-	-	2	BQ/M3	96.59
134-CS/137-CS	-	-	-	3	-	0.36
CL	-	SEAWATER 13 M	-	5	0/00 DRY MATTER	16.19
137-CS	-	-	-	2	BQ/M3	75.72
134-CS/137-CS	-	-	-	4	-	0.35
CL	1986 NOV 18	SEAWATER 0 M	5527.1237	5	0/00 DRY MATTER	12.32
137-CS	-	-	-	2	BQ/M3	51.34
134-CS/137-CS	-	-	-	4	-	0.30
CL	1987 MAY 25	-	5529.1242	5	0/00 DRY MATTER	8.38
137-CS	-	-	-	2	BQ/M3	90.50
134-CS/137-CS	-	-	-	3	-	0.35
CL	-	SEAWATER 29 M	-	5	0/00 DRY MATTER	33.75
137-CS	-	-	-	2	BQ/M3	56.25
134-CS/137-CS	-	-	-	6	-	0.23
CL	1986 OCT 17	SEAWATER 0 M	5534.1509	5	0/00 DRY MATTER	7.74
90-SR	-	-	-	0	BQ/M3	19.42
137-CS	-	-	-	2	-	37.06
134-CS/137-CS	-	-	-	6	-	0.35
CL	1986 NOV 17	-	5539.1046	5	0/00 DRY MATTER	20.17
137-CS	-	-	-	2	BQ/M3	87.06
134-CS/137-CS	-	-	-	3	-	0.34

G. 1.3.

ISOTOP	DATE	SPECIES	LOCATION	SD %	UNIT	RESULTS
CL	1986 NOV 17	SEAWATER 43 M	5539.1046	5	0/00 DRY MATTER	26.65
90-SR	-	-	-	1	BQ/M3	16.39
137-CS	-	-	-	1	-	89.17
134-CS/137-CS	-	-	-	2	-	0.31
CL	1987 MAY 27	SEAWATER 0 M	5540.1046	5	0/00 DRY MATTER	12.64
137-CS	-	-	-	2	BQ/M3	67.32
134-CS/137-CS	-	-	-	4	-	0.32
CL	-	SEAWATER 27 M	-	5	0/00 DRY MATTER	31.95
137-CS	-	-	-	1	BQ/M3	49.44
134-CS/137-CS	-	-	-	4	-	0.20
CL	1987 MAY 07	SEAWATER 0 M	5542.1205	5	0/00 DRY MATTER	12.37
137-CS	-	-	-	2	BQ/M3	62.80
134-CS/137-CS	-	-	-	4	-	0.34
CL	1986 NOV 19	-	5545.1252	5	0/00 DRY MATTER	9.89
137-CS	-	-	-	2	BQ/M3	43.77
134-CS/137-CS	-	-	-	6	-	0.34
CL	-	SEAWATER 19 M	-	5	0/00 DRY MATTER	23.81
137-CS	-	-	-	1	BQ/M3	78.94
134-CS/137-CS	-	-	-	2	-	0.28
CL	1987 MAY 26	SEAWATER 0 M	-	5	0/00 DRY MATTER	8.03
137-CS	-	-	-	2	BQ/M3	84.44
134-CS/137-CS	-	-	-	3	-	0.38
CL	-	SEAWATER 22 M	-	5	0/00 DRY MATTER	29.74
137-CS	-	-	-	3	BQ/M3	52.00
134-CS/137-CS	-	-	-	7	-	0.24
CL	1986 NOV 19	SEAWATER 0 M	5548.1244	5	0/00 DRY MATTER	10.13
137-CS	-	-	-	2	BQ/M3	41.05
134-CS/137-CS	-	-	-	3	-	0.33
CL	-	SEAWATER 18 M	-	5	0/00 DRY MATTER	30.81
137-CS	-	-	-	1	BQ/M3	94.96
134-CS/137-CS	-	-	-	2	-	0.28
CL	1987 MAY 25	SEAWATER 0 M	-	5	0/00 DRY MATTER	8.27
137-CS	-	-	-	1	BQ/M3	81.38
134-CS/137-CS	-	-	-	2	-	0.37
CL	-	SEAWATER 19 M	-	5	0/00 DRY MATTER	26.55
90-SR	-	-	-	2	BQ/M3	8.57
137-CS	-	-	-	2	-	67.37
134-CS/137-CS	-	-	-	8	-	0.16
CL	1986 OCT 15	SEAWATER 0 M	5558.1135	5	0/00 DRY MATTER	22.55
137-CS	-	-	-	3	BQ/M3	104.59
134-CS/137-CS	-	-	-	10	-	0.36
CL	1986 NOV 14	-	-	5	0/00 DRY MATTER	22.62
137-CS	-	-	-	2	BQ/M3	99.96
134-CS/137-CS	-	-	-	4	-	0.36
CL	1987 APR 10	-	-	5	0/00 DRY MATTER	26.42
137-CS	-	-	-	3	BQ/M3	52.47
134-CS/137-CS	-	-	-	8	-	0.21
CL	1987 SEP 15	-	-	5	0/00 DRY MATTER	18.47
137-CS	-	-	-	1	BQ/M3	61.31
134-CS/137-CS	-	-	-	2	-	0.26
CL	1986 NOV 19	-	5559.1242	5	0/00 DRY MATTER	10.43
90-SR	-	-	-	2	BQ/M3	18.26
137-CS	-	-	-	2	-	40.55
134-CS/137-CS	-	-	-	4	-	0.34
CL	-	SEAWATER 26 M	-	5	0/00 DRY MATTER	31.58
137-CS	-	-	-	1	BQ/M3	92.50
134-CS/137-CS	-	-	-	2	-	0.27

G. 1.4.

ISOTOP	DATE	SPECIES	LOCATION	SD %	UNIT	RESULTS
CL	1986 NOV 17	SEAWATER 0 M	5607.1110	5	0/00 DRY MATTER	23.35
137-CS	-	-	-	3	BQ/M3	93.64
134-CS/137-CS	-	-	-	5	-	0.29
CL	-	SEAWATER 38 M	-	5	0/00 DRY MATTER	27.84
90-SR	-	-	-	0	BQ/M3	15.34
137-CS	-	-	-	1	-	97.61
134-CS/137-CS	-	-	-	2	-	0.32
CL	1986 OCT 23	SEAWATER 0 M	5610.1120	5	0/00 DRY MATTER	21.30
137-CS	-	-	-	2	BQ/M3	92.30
134-CS/137-CS	-	-	-	-	-	0.35
CL	1987 MAY 25	-	5610.1142	5	0/00 DRY MATTER	19.30
137-CS	-	-	-	1	BQ/M3	57.42
134-CS/137-CS	-	-	-	3	-	0.27
CL	1986 OCT 07	-	5610.1147	5	0/00 DRY MATTER	15.97
137-CS	-	-	-	4	BQ/M3	29.14
CL	-	SEAWATER 23 M	-	5	0/00 DRY MATTER	31.99
137-CS	-	-	-	3	BQ/M3	47.09
CL	1986 NOV 17	SEAWATER 0 M	-	5	0/00 DRY MATTER	22.01
137-CS	-	-	-	2	BQ/M3	84.43
134-CS/137-CS	-	-	-	3	-	0.32
CL	-	SEAWATER 24 M	-	5	0/00 DRY MATTER	28.78
90-SR	-	-	-	2	BQ/M3	15.72
137-CS	-	-	-	1	-	93.17
134-CS/137-CS	-	-	-	-	-	0.29
CL	1987 MAY 25	SEAWATER 0 M	-	5	0/00 DRY MATTER	18.96
137-CS	-	-	-	1	BQ/M3	61.93
134-CS/137-CS	-	-	-	3	-	0.26
CL	-	SEAWATER 24 M	-	5	0/00 DRY MATTER	33.20
137-CS	-	-	-	4	BQ/M3	48.01
134-CS/137-CS	-	-	-	12	-	0.17
CL	-	SEAWATER 0 M	5613.1205	5	0/00 DRY MATTER	18.80
137-CS	-	-	-	1	BQ/M3	66.46
134-CS/137-CS	-	-	-	3	-	0.27
CL	-	SEAWATER 25 M	-	5	0/00 DRY MATTER	33.96
90-SR	-	-	-	1	BQ/M3	7.96
137-CS	-	-	-	2	-	47.29
134-CS/137-CS	-	-	-	7	-	0.20
CL	1986 OCT 23	SEAWATER 0 M	5614.1223	5	0/00 DRY MATTER	21.66
137-CS	-	-	-	1	BQ/M3	99.89
134-CS/137-CS	-	-	-	3	-	0.34
CL	1986 NOV 19	-	5615.1225	5	0/00 DRY MATTER	12.00
90-SR	-	-	-	1	BQ/M3	27.16
137-CS	-	-	-	2	-	48.97
134-CS/137-CS	-	-	-	3	-	0.32
CL	-	SEAWATER 24 M	-	5	0/00 DRY MATTER	31.99
137-CS	-	-	-	1	BQ/M3	94.55
134-CS/137-CS	-	-	-	2	-	0.27
CL	1987 MAY 25	SEAWATER 0 M	-	5	0/00 DRY MATTER	10.15
137-CS	-	-	-	2	BQ/M3	84.19
134-CS/137-CS	-	-	-	4	-	0.35
CL	-	SEAWATER 24 M	-	5	0/00 DRY MATTER	34.55
137-CS	-	-	-	2	BQ/M3	44.34
134-CS/137-CS	-	-	-	8	-	0.17
CL	1986 OCT 16	SEAWATER 0 M	5630.1200	5	0/00 DRY MATTER	21.89
90-SR	-	-	-	0	BQ/M3	17.21
137-CS	-	-	-	2	-	96.85
134-CS/137-CS	-	-	-	-	-	0.36

G. 1.5.

ISOTOP	DATE	SPECIES	LOCATION	SD %	UNIT	RESULTS
CL	1986 OCT 23	SEAWATER 0 M	5640.1207	5	0/00 DRY MATTER	23.19
90-SR	-	-	-	2	BQ/M3	15.70
137-CS	-	-	-	1	-	106.14
134-CS/137-CS	-	-	-	3	-	0.35
90-SR	1987 MAY 14	-	5643.1131	1	-	16.57
CL	1986 OCT 15	-	5645.1100	5	0/00 DRY MATTER	24.29
90-SR	-	-	-	1	BQ/M3	22.94
137-CS	-	-	-	1	-	100.02
134-CS/137-CS	-	-	-	3	-	0.32
CL	1986 OCT 15	-	5700.1200	5	0/00 DRY MATTER	23.28
90-SR	-	-	-	1	BQ/M3	11.69
137-CS	-	-	-	1	-	106.18
134-CS/137-CS	-	-	-	3	-	0.35
CL	1986 OCT 23	-	5700.1203	5	0/00 DRY MATTER	24.50
137-CS	-	-	-	2	BQ/M3	102.30
134-CS/137-CS	-	-	-	3	-	0.34
CL	-	-	5712.1140	5	0/00 DRY MATTER	25.67
90-SR	-	-	-	1	BQ/M3	12.30
137-CS	-	-	-	1	-	103.10
134-CS/137-CS	-	-	-	2	-	0.33
90-SR	1987 MAY 13	-	5718.1056	1	-	14.02
CL	1986 OCT 24	-	5722.1046	5	0/00 DRY MATTER	22.32
90-SR	-	-	-	1	BQ/M3	25.94
137-CS	-	-	-	2	-	98.08
134-CS/137-CS	-	-	-	-	-	0.33
CL	1986 OCT 22	-	5733.1132	5	0/00 DRY MATTER	33.16
90-SR	-	-	-	0	BQ/M3	24.55
137-CS	-	-	-	1	-	94.06
134-CS/137-CS	-	-	-	3	-	0.29
CL	-	-	5752.1119	5	0/00 DRY MATTER	33.01
90-SR	-	-	-	1	BQ/M3	13.76
137-CS	-	-	-	1	-	93.08
134-CS/137-CS	-	-	-	3	-	0.31

H. 1.1.

GRASS COLLECTED COUNTRYWIDE IN DENMARK AT THE 10 STATE EXPERIMENTAL FARMS (CF. FIG. 1)

DATE : 1987 JUL 01 (BORNHOLM COLLECTED 19 MAY 1987)
SPECIES : GRASS
UNIT : BQ/KG FRESH

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
TYLSTRUP	1.623	4	0.449	6
KALQ	0.484	20		
BORRIS	5.369	4	0.343	8
ST.JYNDEVAD	1.606	4	0.323	11
AARSLEV	0.504	13	0.396	25
TYSTOFTE	0.184	22		
LEDREBORG	0.281	27		
ABED	0.258	24		
BORNHOLM 8	0.190	36		
MEAN:	1.167			
S.E. %:	48			

DATE : 1987 SEP
SPECIES : GRASS
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.937	4	0.828	13		
KALQ	0.555	3	1.245	10		
ASKOV	3.764	1	2.810	4	0.330	9
BORRIS	0.792	3	0.285	31		
ST.JYNDEVAD	2.007	1	0.578	13	0.320	25
AARSLEV	0.771	1	0.778	8	0.381	15
TYSTOFTE	2.541	1	0.706	7	0.299	15
LEDREBORG	0.707	2	0.336	19		
ABED	0.708	1	0.174	24		
BORNHOLM 8	4.285	1	1.467	3	0.343	6
MEAN:	1.707		0.921			
S.E. %:	26		27			

H. 2.1.

GRASS COLLECTED AT THE FAROE ISLANDS (CF. FIG. 9)

SPECIES : GRASS
UNIT : BQ/KG FRESH

ISOTOP	DATE	LOCATION	SD %	RESULTS
137-CS	1987 JUN	FAROES	1	4.69
134-CS/137-CS	-	-	2	0.32
137-CS	1987 JUL	THORSHAVN (HOJVIG)	1	60.39
134-CS/137-CS	-	-	2	0.34
137-CS	-	VATNSOYRAR (VAAGO)	1	21.19
134-CS/137-CS	-	-	2	0.22
137-CS	-	ARNEFJORD/ARNAFJOERDHUR	1	27.48
134-CS/137-CS	-	-	1	0.34
137-CS	-	TVEROA-SKAVATANGI ROAD	1	40.40
134-CS/137-CS	-	-	2	0.28
137-CS	1987 AUG	FAROES	4	3.40
134-CS/137-CS	-	-	9	0.28

H. 3.1.

FODDER COLLECTED COUNTRYWIDE IN DENMARK

DATE : 1987 SEP
SPECIES : STRAW
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP			0.25	10	0.18	59
KALQ			0.73	7	0.32	17
ASKOV			4.77	2	0.33	4
BORRIS			0.29	10	0.36	24
ST.JYNDEVAD			1.93	7		
AARSLEV			1.93	7	0.38	13
TYSTOFTE			0.34	20		
LEDREBORG			0.72	17		
ABED			0.53	9	0.27	26
BORNHOLM 8			1.13	7		
JUTLAND	4.45	1				
EASTD.IN.BOR.	8.06	1				
MEAN:	6.25		1.26			
S.E. %:	29		35			

DATE : 1987 SEP
SPECIES : BEET
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP			0.050	27		
KALQ			0.062	23		
ASKOV			0.157	8	0.342	18
BORRIS			0.069	20		
ST.JYNDEVAD			0.105	8	0.314	19
AARSLEV			0.142	8	0.261	26
TYSTOFTE			0.080	17		
LEDREBORG			0.020	40		
ABED			0.059	22		
BORNHOLM 8			0.021	44		
JUTLAND	0.685	1				
EASTD.IN.BOR.	0.461	1				
MEAN:	0.573		0.076			
S.E. %:	20		19			

H. 3.2.

DATE : 1987 SEP
SPECIES : BEET LEAVES
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SI %
LOCATION						
TYLSTRUP			0.033	33		
KALQ			0.136	14	0.322	32
ASKOV			0.518	8	0.346	16
BORRIS			0.227	5	0.267	15
ST.JYNDEVAD			0.184	10	0.241	31
AARSLEV			0.442	5	0.264	13
TYSTOFTE			0.048	34	0.723	34
LEDREBORG			0.028	60		
ABED			0.040	27		
BORNHOLM 8			0.049	35		
JUTLAND	0.756	1				
EASTD.IN.BOR.	0.337	6				
MEAN:	0.547		0.170			
S.E. %:	38		33			

I. 1.1.

LICHEN AND MOSS COLLECTED COUNTRYWIDE IN DENMARK

UNIT:BQ/M2

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
239,240-PU	1987 MAY 19	LICHEN	BORNHOLM 8	15	5.600
241-AM	-	-	-	25	1.900
242-CM	-	-	-	15	4.510
90-SR	-	-	-	1	2.809
95-ZR	-	-	-	30	1.459
103-RU	-	-	-	9	4324.558
106-RU	-	-	-	2	68.665
110M-AG	-	-	-	19	0.837
125-SB	-	-	-	4	9.882
137-CS	-	-	-	0	434.618
134-CS/137-CS	-	-	-	0	0.175
137-CS	1987 AUG 26	CLADINA PORTENTOSA TOP	OSTRUP HEDE	1	807.977
-	-	-	-	1	1029.116
-	-	-	-	2	794.092
-	-	-	-	2	744.679
-	-	-	-	1	789.222
134-CS/137-CS	-	-	-	2	0.322
-	-	-	-	2	0.300
-	-	-	-	3	0.308
-	-	-	-	3	0.321
-	-	-	-	2	0.328
137-CS	-	CLADINA PORTENTOSA RUBD	-	4	450.572
-	-	-	-	2	825.492
-	-	-	-	2	114.927
-	-	-	-	2	833.310
-	-	-	-	2	935.631
134-CS/137-CS	-	-	-	17	0.079
-	-	-	-	24	0.006
-	-	-	-	13	0.521
-	-	-	-	16	0.050
90-SR	1987 SEP 17	LICHEN	SKAGEN	4	0.303
-	-	-	-	3	53.726
-	-	-	-	2	33.760
106-RU	-	-	-	14	53.796
-	-	-	-	16	83.284
-	-	-	-	17	57.306
125-SB	-	-	-	25	10.731
137-CS	-	-	-	0	443.214
-	-	-	-	1	464.832
-	-	-	-	1	486.730
239,240-PU	-	-	-	10	12.500
-	-	-	-	-	6.500
-	-	-	-	-	21.000
241-AM	-	-	-	15	2.000
-	-	-	-	10	7.700
-	-	-	-	-	4.600
242-CM	-	-	-	20	1.009
134-CS/137-CS	-	-	-	1	0.335
-	-	-	-	1	0.336
-	-	-	-	1	0.336

I. 1.2.

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
90-SR	1987 SEP 24	LICHEN	BORNHOLM 8	2	4.739
106-RU	-	-	-	11	27.766
137-CS	-	-	-	1	152.182
238-PU	-	-	-	10	1.100
239,240-PU	-	-	-	-	20.000
241-AM	-	-	-	-	8.900
134-CS/137-CS	-	-	-	1	0.2?7
90-SR	1987 OCT 09	-	[illegible]	1	3.907
106-RU	-	-	-	2	330.134
110M-AG	-	-	-	5	12.218
125-SB	-	-	-	2	108.282
137-CS	-	-	-	0	3682.592
144-CE	-	-	-	4	75.375
239,240-PU	-	-	-	15	6.660
241-AM	-	-	-	50	1.600
242-CM	-	-	-	15	3.100
134-CS/137-CS	-	-	-	0	0.360
106-RU	1987 OCT 19	-	ASSERBO	7	71.200
110M-AG	-	-	-	19	1.979
125-SB	-	-	-	16	9.316
137-CS	-	-	-	0	564.569
134-CS/137-CS	-	-	-	0	0.346

I. 2.1.

LICHEN AND MOSS COLLECTED IN GREENLAND AND THE FAROE ISLANDS

UNIT: BQ/M2

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
106-RU	1987 JUL	MOSS	THORSHAVN (HJALTLG)	14	178.076
137-CS	-	-	-	0	1594.824
134-CS/137-CS	-	-	-	1	0.364
137-CS	-	LICHEN	4-5 KM NW FROM THORSHAVN	1	215.772
134-CS/137-CS	-	-	-	1	0.401
137-CS	1987 AND 88	-	GODTHAAB	1	1502.842
-	-	-	-	1	1514.097
134-CS/137-CS	-	-	-	11	0.011
-	-	-	-	10	0.014
125-SB	1987 JUL-1987 AUG	MOSS	EGEDESMINDE	16	24.216
137-CS	-	-	-	0	441.173
-	-	-	-	1	489.395
141-CE	-	-	-	11	55.156
134-CS/137-CS	-	-	-	11	0.007
-	-	-	-	5	0.019
137-CS	1987 JUL	LICHEN	JACOBSHAVN	1	124.102
134-CS/137-CS	-	-	-	12	0.026

J. 1.1.

GRAIN COLLECTED COUNTRYWIDE IN DENMARK AT THE 10 STATE EXPERIMENTAL FARMS (CF. FIG. 1)

DATE : 1987
SPECIES : RYE WINTER
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.332	3	0.182	9	0.287	22
FOULUM			0.116	16		
ASKOV	0.848	2	0.423	6	0.308	14
BORRIS	0.947	2	0.168	10		
ST.JYNDEVAD	0.302	3	0.278	14		
FUNEN 5	0.328	2	0.258	10	0.254	27
TYSTOFTE	0.289	2	0.059	33		
LEDREBORG	0.259	2	0.068	21		
ABED	0.157	4	0.063	23		
TORNB'GAARD	0.162	4	0.097	18		
MEAN:	0.403		0.171			
S.E. %:	24		22			

DATE : 1987
SPECIES : BARLEYSPRING
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.460	4	0.263	7	0.221	27
KALQ	1.221	2	0.099	26		
FOULUM			0.142	14		
ASKOV	0.238	2	0.125	14		
BORRIS	0.873	1	0.034	60		
ST.JYNDEVAD	0.202	3	0.096	20		
FUNEN 5	0.948	1	0.404	6	0.263	18
TYSTOFTE	0.474	1	0.075	25		
ABED	0.244	3	0.011	100		
TORNBYGAARD	0.186	4	0.042	38		
MEAN:	0.538		0.129			
S.E. %:	24		29			

J. 1.2.

DATE : 1987
SPECIES : BARLEYWINTER
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %
LOCATION				
TYLSTRUP	1.673	1	0.093	22
KALQ	0.762	2		
ASKOV			0.082	22
BORRIS	0.897	2	0.076	29
ST.JYNDEVAD	0.762	2	0.049	35
FUNEN 5	0.407	1	0.134	17
TYSTOFTE	0.269	1	0.049	24
LEDREBORG	0.323	2	0.091	19
ABED	0.293	2	0.054	32
TORNBYGAARD	0.311	2	0.070	43
MEAN:	0.633		0.078	
S.E. %:	24		12	

DATE : 1987
SPECIES : WHEAT WINTER
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.901	5	0.105	25		
KALQ	0.331	3	0.061	24		
POULUM			0.088	15		
ASKOV	0.564	1	0.222	10	0.376	71
BORRIS	0.920	2	0.039	40		
ST.JYNDEVAD	0.682	2	0.130	13		
FUNEN 5	0.249	3	0.078	28		
TYPTOFTE	0.326	2	0.033	39		
LEDREBORG	0.296	2	0.038	27		
ABED	0.430	2	0.036	49		
TORNBYGAARD	0.166	3	0.032	29		
MEAN:	0.487		0.078			
S.E. %:	18		22			

3.1.3.

DATE : 1987
SPECIES : WHEAT SPRING
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
FOULUM			0.198	10	0.246	36
BORRIS	1.799	1	0.065	31		
TYSTOFTE	0.633	1	0.079	22		
ABED	0.358	1	0.002	50		
TORNBYGAARD	0.322	2	0.033	47		
MEAN:	0.778		0.075			
S.E. %:	45		43			

DATE : 1987
SPECIES : OATS SPRING
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	1.127	1	0.135	13		
KALØ	0.237	5	3.601	1	0.291	3
FOULUM			0.155	13		
ASKOV	0.568	1	0.390	6	0.295	15
BORRIS	0.550	2	0.081	20		
ST.JYNDEVAD	0.808	1	1.465	2	0.250	5
FUNEN S	0.569	2	0.151	13		
TYSTOFTE	0.428	3	0.110	18		
LEDREBORG	0.499	3	0.095	16		
TORNBYGAARD	0.340	4	0.182	17		
MEAN:	0.569		0.637			
S.E. %:	15		56			

DATE : 1987
SPECIES : TRITICALE (RYE AND WHEAT)

ISOTOP	90-SR	SD %	137-CS	SD %
LOCATION				
BORRIS	1.169	2	0.099	17

J. 1.4.

DATE	SPECIES	LOCATION
1987 SEP 03	RYE WINTER	TYLSTRUP
1987 SEP 29	-	FOULUM
1987 SEP 16	-	ASKOV
1987 SEP 19	-	BORRIS
1987 SEP 03	-	ST.JYNDEVAD
1987 SEP 02	-	FUNEN 5
-	-	TYSTOFTE
1987 SEP	-	LEDREBORG
1987 SEP 05	-	ABED
1987 SEP 09	-	TORNBYGAARD
1987 AUG 31	BARLEYSPRING	TYLSTRUP
1987 SEP 03	-	KALQ
1987 SEP 14	-	FOULUM
1987 SEP 02	-	ASKOV
1987 SEP 15	-	BORRIS
1987 SEP 02	-	ST.JYNDEVAD
1987 SEP 01	-	FUNEN 5
1987 SEP 14	-	TYSTOFTE
1987 SEP 10	-	ABED
1987 OCT 03	-	TORNBYGAARD
1987 AUG 31	BARLEYWINTER	TYLSTRUP
1987 SEP 23	-	ASKOV
1987 SEP 03	-	BORRIS
-	-	ST.JYNDEVAD
1987 AUG 31	-	FUNEN 5
-	-	TYSTOFTE
1987 SEP	-	LEDREBORG
1987 SEP 06	-	ABED
1987 SEP 02	-	TORNBYGAARD
1987 SEP 16	WHEAT WINTER	TYLSTRUP
1987 OCT 03	-	KALQ
1987 SEP 22	-	FOULUM
1987 SEP 23	-	ASKOV
1987 SEP 19	-	BORRIS
1987 SEP 11	-	ST.JYNDEVAD
1987 SEP 03	-	FUNEN 5
-	-	TYSTOFTE
1987 SEP	-	LEDREBORG
1987 SEP 08	-	ABED
1987 SEP 15	-	TORNBYGAARD
1987 SEP 29	WHEAT SPRING	FOULUM
1987 OCT 20	-	BORRIS
1987 OCT 05	-	TYSTOFTE
1987 SEP 08	-	ABED
1987 OCT 03	-	TORNBYGAARD
1987 SEP 16	OATS SPRING	TYLSTRUP
1987 OCT 10	-	KALQ
1987 SEP 22	-	FOULUM
1987 SEP 29	-	ASKOV
1987 OCT 20	-	BORRIS
1987 SEP 03	-	ST.JYNDEVAD
1987 SEP 20	-	FUNEN 5
1987 OCT 01	-	TYSTOFTE
1987 SEP	-	LEDREBORG
1987 OCT 03	-	TORNBYGAARD
1987 SEP 19	TRITICALE	BORRIS

J. 2.1.

BREAD COLLECTED COUNTRYWIDE IN DENMARK IN 8 ZONES AND IN COPENHAGEN (CF. FIG. 3)

DATE : 1986 NOV
SPECIES : RYE BREAD
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.43	1	11.34	1	0.48	1
E-JUTLAND 2	0.27	1	9.97	1	0.45	1
W-JUTLAND 3	0.31	2	7.50	2	0.48	3
S-JUTLAND 4	0.38	2	9.16	2	0.46	2
FUNEN 5	0.23	3	10.75	1	0.49	1
ZEALAND 6	0.27	3	6.28	1	0.47	1
LOL.-FALST.7	0.24	1	1.90	6	0.48	8
BORNHOLM 8	0.21	4	4.72	3	0.48	4
COPENHAGEN	0.24	4	4.49	4	0.46	5
MEAN:	0.29		7.35		0.47	
S.E. %:	10		15		1	

DATE : 1987 JUN
SPECIES : RYE BREAD
UNIT : BQ/KG FRESH

ISOTOP ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.24	1	6.80	1	0.40	1
E-JUTLAND 2	0.30	3	8.06	1	0.39	1
W-JUTLAND 3	0.22	1	3.76	2	0.40	3
S-JUTLAND 4	0.23	2	6.59	1	0.39	1
FUNEN 5	0.27	2	11.00	1	0.40	1
ZEALAND 6	0.26	3	4.80	1	0.40	1
LOL.-FALST.7	0.23	3	4.65	2	0.40	2
BORNHOLM 8	0.27	2	2.77	1	0.38	2
COPENHAGEN	0.24	4	4.57	1	0.39	1
MEAN:	0.25		5.89		0.39	
S.E. %:	4		14		1	

J. 2.2.

DATE : 1986 NOV
SPECIES : WHITE BREAD
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.182	4	0.950	8	0.377	14
E-JUTLAND 2	0.135	2	0.587	9	0.535	12
W-JUTLAND 3	0.099	3	1.810	5	0.492	7
S-JUTLAND 4	0.155	3	0.882	6	0.464	9
FUNEN 5	0.108	6	0.665	8	0.477	11
ZEALAND 6	0.094	2	0.305	8	0.513	11
LOL.-FALST.7	0.117	2	1.483	3	0.441	4
BORNHOLM 8	0.097	3	0.181	15	0.536	22
COPENHAGEN	0.166	4	0.255	12	0.507	18
MEAN:	0.128		0.791		0.482	
S.E. %:	9		24		3	

DATE : 1987 JUN
SPECIES : WHITE BREAD
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.193	2	0.607	2	0.397	3
E-JUTLAND 2	0.159	3	0.793	3	0.388	5
W-JUTLAND 3	0.144	3	0.656	2	0.397	4
S-JUTLAND 4	0.100	3	0.499	3	0.348	6
FUNEN 5	0.135	2	0.808	2	0.397	4
ZEALAND 6	0.067	4	0.444	4	0.390	7
LOL.-FALST.7	0.103	2	0.244	6	0.352	12
BORNHOLM 8	0.193	2	0.271	5	0.360	10
COPENHAGEN	0.170	3	0.339	5	0.398	9
MEAN:	0.140		0.518		0.381	
S.E. %:	10		14		2	

K. 1.1.

POTATOES AND ROOT VEGETABLES COLLECTED COUNTRYWIDE IN DENMARK (CF. FIG. 1 AND FIG. 2)

DATE : 1987 SEP-1987 OCT
SPECIES : POTATOES
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
TYLSTRUP	0.046	6	0.030	27		
KALØ	0.052	5	0.072	12	0.327	29
POULUM			0.097	8	0.256	27
ASKOV	0.046	3	0.458	3	0.244	8
BORRIS	0.042	4	0.176	5	0.208	17
ST.JYNDEVAD	0.034	6	0.291	5	0.328	11
AARSLEV	0.068	3	0.208	6	0.357	14
TYSTOFTE	0.029	2	BDL			
LEDREBORG	0.040	6	0.050	50		
ABED	0.037	6	0.039	26		
TJØRNBYGAARD	0.035	5	0.052	21		
MEAN:	0.043		0.134			
S.E. %:	8		31			

DATE : 1987 SEP-1987 OCT
SPECIES : ONION
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %
LOCATION				
N-JUTLAND 1			0.004	100
E-JUTLAND 2			0.024	22
W-JUTLAND 3			0.062	15
S-JUTLAND 4			0.022	43
FUNEN 5			BDL	
ZEALAND 6			0.013	49
LOL-FALST.7			0.005	100
BORNHOLM 8			BDL	
JUTLAND	0.189	1		
EASTD.IN.BOR.	0.228	1		
MEAN:	0.208		0.022	
S.E. %:	9		41	

K. 1.2.

DATE : 1987 SEP-1987 OCT
SPECIES : CARROT
UNIT : BQ/KG FRESH

ISOTOP		90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION							
N-JUTLAND	1	0.195	2	0.103	13		
E-JUTLAND	2	0.357	1	0.053	20		
W-JUTLAND	3	0.402	1	0.085	13	0.361	29
S-JUTLAND	4	0.446	1	0.107	10	0.406	18
FUNEN	5	0.535	1	0.057	21		
ZEALAND	6	0.141	1	0.023	31		
LOL-FALST.	7	0.271	2	0.023	26		
BORNHOLM	8	0.086	3	0.030	36		
MEAN:		0.304		0.060			
S.E. %:		18		20			

L. I.1.

VEGETABLES COLLECTED COUNTRYWIDE IN DENMARK (CF. FIG. 3)

DATE : 1987 SEP-1987 OCT
SPECIES : WHITECABBAGE
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.348	1	0.050	13	0.313	37
E-JUTLAND 2	0.361	1	0.062	12	0.304	37
W-JUTLAND 3	0.304	1	0.004	100		
S-JUTLAND 4	0.311	1	0.221	7	0.349	17
FUNEN 5	0.265	1	0.083	11	0.206	44
ZEALAND 6	0.203	2	0.012	60		
LOL-FALST.7	0.173	1	0.023	25		
BORNHOLM 8	0.156	1	0.018	35		
MEAN:	0.265		0.059			
S.E. %:	11		42			

DATE : 1987 JUN-1987 AUG
SPECIES : PEAS
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.303	1	0.016	37		
E-JUTLAND 2	0.525	1	0.072	9		
W-JUTLAND 3	0.870	1	0.242	3	0.236	8
S-JUTLAND 4	0.351	1	0.034	17		
FUNEN 5	0.472	1	0.027	25		
ZEALAND 6	0.485	1	0.056	10	0.509	17
LOL-FALST.7	0.308	1	0.064	10	0.266	38
BORNHOLM 8	0.415	1	0.031	21		
MEAN:	0.466		0.068			
S.E. %:	14		38			

L. 1.2.

DATE : 1987 SEP-1987 OCT
SPECIES : BEANS
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			0.012	61		
E-JUTLAND 2			0.008	100		
W-JUTLAND 3			0.121	7	0.214	25
S-JUTLAND 4			0.105	9	0.215	33
FUNEN 5			0.300	3	0.285	8
ZEALAND 6			0.027	100		
LOL-FALST.7			0.011	58		
BORNHOLM 8			0.019	45		
JUTLAND	0.432	2				
EASTD.IN.BOR.	0.231	2				
MEAN:	0.331		0.075			
S.E. %:	30		47			

DATE : 1987 JUL-1987 AUG
SPECIES : LETTUCE
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			0.065	18		
E-JUTLAND 2			0.030	37		
W-JUTLAND 3			0.431	4	0.333	9
S-JUTLAND 4			0.392	3	0.340	7
FUNEN 5			0.081	14		
ZEALAND 6			0.081	16		
LOL-FALST.7			0.015	52		
BORNHOLM 8			0.045	24		
JUTLAND	0.252	1				
EASTD.IN.BOR.	0.236	1				
MEAN:	0.244		0.143			
S.E. %:	3		42			

M. 1.1.

FRUITS COLLECTED COUNTRYWIDE IN DENMARK (CF. FIG. 3)

DATE : 1987 SEP-1987 OCT
SPECIES : APPLE
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.0316	3	0.1544	7	0.4442	12
E-JUTLAND 2	0.0297	3	0.1136	9	0.4888	17
W-JUTLAND 3	0.0184	3	0.3734	3	0.3699	6
S-JUTLAND 4	0.0148	3	0.2273	6	0.3969	11
FUNEN 5	0.0333	2	0.1499	8	0.4463	14
ZEALAND 6	0.0168	3	0.3408	5	0.3435	9
LOL-FALST.7	0.0133	2	0.2807	7	0.2983	16
BORNHOLM 8	0.0447	3	0.0402	30		
MEAN:	0.0253		0.2100		0.3983	
S.E. %:	16		20		6	

DATE : 1987 AUG
SPECIES : CHERRY
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			0.6684	2	0.3866	4
E-JUTLAND 2			0.2048	14	0.3679	24
W-JUTLAND 3			1.3859	4	0.3946	6
S-JUTLAND 4			1.2748	2	0.3431	4
FUNEN 5			0.2930	4	0.3618	8
ZEALAND 6			0.2724	7	0.3643	16
LOL-FALST.7			0.0905	16	0.4479	25
BORNHOLM 8			0.4545	15	0.4323	25
DENMARK	0.0848	Z				
MEAN:	0.0848		0.5805		0.3873	
S.E. %:			30		3	

M. 1.2.

DATE : 1987 JUL
SPECIES : STRAWBERRY
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			0.2157	5	0.2797	14
E-JUTLAND 2			0.0202	29	0.4867	53
W-JUTLAND 3			0.3054	3	0.3313	7
S-JUTLAND 4			0.1169	9	0.3028	22
FUNEN 5			0.0299	32		
ZEALAND 6			0.0678	11	0.4986	18
LOL-FALST.7			0.0135	40		
BORNHOLM 8			0.0434	20		
DENMARK	0.2168	1				
MEAN:	0.2168		0.1016			
S.E. %:			37			

DATE : 1987 JUL
SPECIES : RED CURRANT
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			0.215	6	0.426	11
E-JUTLAND 2			0.205	6	0.303	16
W-JUTLAND 3			0.923	3	0.345	5
S-JUTLAND 4			0.903	2	0.383	4
FUNEN 5			0.338	5	0.327	12
ZEALAND 6			0.203	6	0.414	12
LOL-FALST.7			0.111	11	0.451	20
BORNHOLM 8			0.085	17	0.522	31
DENMARK	0.264	1				
MEAN:	0.264		0.373		0.397	
S.E. %:			32		6	

M. 1.3.

DATE : 1987 AUG
SPECIES : BLACK CURRANT
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			0.25	7	0.37	14
E-JUTLAND 2			0.26	6	0.43	10
W-JUTLAND 3			1.74	2	0.35	3
S-JUTLAND 4			1.31	2	0.40	3
FUNEN 5			1.09	2	0.36	3
ZEALAND 6			0.62	3	0.39	5
LOL-FALST.7			0.35	6	0.39	12
BORNHOLM 8			1.48	2	0.45	3
DENMARK	0.36	1				
MEAN:	0.36		0.89		0.39	
S.E. %:			24		3	

DATE : 1987 JUL
SPECIES : GOOSEBERRY
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			0.377	3	0.431	6
E-JUTLAND 2			0.313	4	0.396	8
W-JUTLAND 3			1.387	1	0.383	2
S-JUTLAND 4			0.335	4	0.385	8
FUNEN 5			0.607	3	0.396	5
ZEALAND 6			0.015	32		
LOL-FALST.7			0.175	6	0.368	13
BORNHOLM 8			0.095	13	0.439	23
DENMARK	0.226	1				
MEAN:	0.226		0.413		0.400	
S.E. %:			37		2	

M. 1.4.

DATE : 1987 AUG
SPECIES : RASPBERRY
UNIT : BQ/KG FRESH

ISOTOP		90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION							
N-JUTLAND	1			0.135	8	0.323	19
E-JUTLAND	2			0.046	15	0.557	22
W-JUTLAND	3			0.374	4	0.296	10
S-JUTLAND	4			0.645	2	0.347	4
FUNEN	5			0.135	9	0.440	16
ZEALAND	6			0.077	14	0.575	21
LOL-FALST.	7			0.063	17	0.395	34
BORNHOLM	8			0.034	34		
DENMARK		0.169	1				
MEAN:		0.169		0.189		0.419	
S.E. %:				40		10	

N. 1.1.

SEAWEED (FUCUS VESICULOSUS AND FUCUS SERRATUS) COLLECTED IN THE DANISH WATERS (LOCATION: LATTITUDE: N AND LONGITUDE: E)

UNIT : BQ/KG DRY

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
90-SR	1986 OCT 02	FUCUS VESICULOSUS	BOLUND	2	7.31
103-RU	-	-	-	15	2.65
106-RU	-	-	-	34	9.99
110M-AG	-	-	-	34	1.56
137-CS	-	-	-	1	46.97
134-CS/137-CS	-	-	-	2	0.44
90-SR	1986 DEC 15	-	-	2	6.61
103-RU	-	-	-	11	1294.07
137-CS	-	-	-	2	36.02
134-CS/137-CS	-	-	-	3	0.41
54-MN	1987 MAR 31	-	-	15	0.63
106-RU	-	-	-	28	2.93
137-CS	-	-	-	1	26.64
134-CS/137-CS	-	-	-	1	0.32
137-CS	1987 AUG 11	-	-	3	18.19
134-CS/137-CS	-	-	-	7	0.27
137-CS	1987 OCT 02	-	-	2	21.08
134-CS/137-CS	-	-	-	3	0.26
137-CS	1987 APR 29	-	5440.1144	3	17.99
134-CS/137-CS	-	-	-	5	0.30
137-CS	1987 MAY 20	-	-	2	23.96
134-CS/137-CS	-	-	-	5	0.28
137-CS	1987 JUN 23	-	-	2	36.57
134-CS/137-CS	-	-	-	4	0.29
137-CS	1987 JUL 16	-	-	2	34.28
134-CS/137-CS	-	-	-	5	0.31
137-CS	1987 AUG 12	-	-	3	19.01
134-CS/137-CS	-	-	-	7	0.29
137-CS	1987 SEP 14	-	-	2	35.24
134-CS/137-CS	-	-	-	4	0.31
137-CS	1987 OCT 14	-	-	2	33.70
134-CS/137-CS	-	-	-	3	0.25
137-CS	1987 NOV 11	-	-	1	24.41
134-CS/137-CS	-	-	-	2	0.28
137-CS	1987 MAY 19	-	5505.1509	1	36.10
134-CS/137-CS	-	-	-	2	0.35
110M-AG	1987 APR 29	-	5525.1215	40	1.70
137-CS	-	-	-	2	28.48
134-CS/137-CS	-	-	-	4	0.33
137-CS	1987 MAY 20	-	-	2	19.53
134-CS/137-CS	-	-	-	5	0.36
60-CO	1987 JUN 17	-	-	16	2.06
137-CS	-	-	-	1	60.32
134-CS/137-CS	-	-	-	2	0.33
137-CS	1987 JUL 16	-	-	3	42.10
134-CS/137-CS	-	-	-	5	0.32
60-CO	1987 AUG 12	-	-	20	1.53
103-RU	-	-	-	8	550.21
137-CS	-	-	-	2	30.58
134-CS/137-CS	-	-	-	3	0.34

N. 1.2.

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
137-CS	1987 SEP 14	FUCUS VESICULOSUS	5525.1215	2	43.97
134-CS/137-CS	-	-	-	5	0.29
103-RU	1987 OCT 14	-	-	13	99.20
137-CS	-	-	-	2	36.33
134-CS/137-CS	-	-	-	7	0.28
60-CO	1987 NOV 11	-	-	20	1.37
137-CS	-	-	-	2	24.18
134-CS/137-CS	-	-	-	5	0.29
60-CO	1987 DEC 16	-	-	12	1.99
137-CS	-	-	-	1	32.63
134-CS/137-CS	-	-	-	2	0.30
60-CO	1987 APR 30	-	5530.1110	20	1.61
110M-AG	-	-	-	21	2.69
125-SB	-	-	-	11	7.20
137-CS	-	-	-	2	20.49
134-CS/137-CS	-	-	-	4	0.33
60-CO	1987 MAY 21	-	-	18	1.34
137-CS	-	-	-	2	16.17
134-CS/137-CS	-	-	-	4	0.33
137-CS	1987 JUN 22	-	-	1	30.94
134-CS/137-CS	-	-	-	3	0.33
60-CO	1987 JUL 15	-	-	15	1.46
125-SB	-	-	-	13	4.41
137-CS	-	-	-	2	17.80
134-CS/137-CS	-	-	-	4	0.31
60-CO	1987 AUG 13	-	-	24	0.79
137-CS	-	-	-	2	12.27
134-CS/137-CS	-	-	-	5	0.30
137-CS	1987 SEP 15	-	-	3	19.73
134-CS/137-CS	-	-	-	6	0.27
137-CS	1987 OCT 15	-	-	2	20.39
134-CS/137-CS	-	-	-	5	0.28
137-CS	-	FUCUS SERRATUS	-	6	19.47
134-CS/137-CS	-	-	-	11	0.32
54-MN	1986 OCT 01	FUCUS VESICULOSUS	5535.1255	15	2.71
60-CO	-	-	-	4	10.58
95-ZR	-	-	-	40	2.42
103-RU	-	-	-	14	4.68
106-RU	-	-	-	32	9.18
110M-AG	-	-	-	9	6.32
137-CS	-	-	-	2	23.64
134-CS/137-CS	-	-	-	4	0.36
54-MN	1986 NOV 01	-	-	17	2.27
60-CO	-	-	-	3	11.37
110M-AG	-	-	-	11	4.98
137-CS	-	-	-	2	20.51
134-CS/137-CS	-	-	-	5	0.31
60-CO	1986 DEC 01	-	-	6	9.78
110M-AG	-	-	-	37	3.08
137-CS	-	-	-	4	16.79
134-CS/137-CS	-	-	-	8	0.38
54-MN	1987 JAN 02	-	-	27	1.47
60-CO	-	-	-	4	9.64
110M-AG	-	-	-	35	2.07
137-CS	-	-	-	3	17.02
134-CS/137-CS	-	-	-	6	0.34
137-CS	1987 JUN 01	-	-	2	69.68
134-CS/137-CS	-	-	-	3	0.34

R. 1.5.

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
60-CO	1987 JUL 01	FUCUS VESICULOSUS	5535.1255	9	3.45
137-CS	-	-	-	1	55.07
134-CS/137-CS	-	-	-	2	0.33
54-MN	1987 AUG 01	-	-	24	1.88
58-CO	-	-	-	23	2.53
60-CO	-	-	-	6	6.57
137-CS	-	-	-	2	42.46
134-CS/137-CS	-	-	-	3	0.32
54-MN	1987 SEP 01	-	-	35	1.59
60-CO	-	-	-	19	4.63
137-CS	-	-	-	2	37.27
134-CS/137-CS	-	-	-	4	0.38
60-CO	1987 OCT 02	-	-	6	5.26
137-CS	-	-	-	2	31.97
134-CS/137-CS	-	-	-	3	0.29
60-CO	1987 NOV 03	-	-	7	3.76
137-CS	-	-	-	1	41.07
134-CS/137-CS	-	-	-	2	0.29
60-CO	1987 MAY 01	-	5535.1256	7	5.05
137-CS	-	-	-	2	43.95
134-CS/137-CS	-	-	-	3	0.36
137-CS	1987 MAY 04	-	5545.1203	2	28.72
134-CS/137-CS	-	-	-	4	0.31
137-CS	-	-	5550.1202	3	27.12
134-CS/137-CS	-	-	-	6	0.30
54-MN	1986 OCT 15	-	5558.1135	25	0.71
60-CO	-	-	-	6	2.67
103-RU	-	-	-	4	6.02
106-RU	-	-	-	9	22.74
110M-AG	-	-	-	2	8.23
125-SB	-	-	-	31	1.49
137-CS	-	-	-	2	16.69
134-CS/137-CS	-	-	-	3	0.33
54-MN	-	FUCUS SERRATUS	-	17	0.92
60-CO	-	-	-	4	3.94
103-RU	-	-	-	3	7.56
106-RU	-	-	-	10	23.14
110M-AG	-	-	-	1	13.38
125-SB	-	-	-	19	2.39
137-CS	-	-	-	2	14.81
144-CE	-	-	-	25	3.38
134-CS/137-CS	-	-	-	3	0.41
103-RU	1986 NOV 14	FUCUS VESICULOSUS	-	9	2.81
106-RU	-	-	-	20	12.76
110M-AG	-	-	-	4	5.73
137-CS	-	-	-	2	13.73
134-CS/137-CS	-	-	-	4	0.32
60-CO	-	FUCUS SERRATUS	-	3	5.27
103-RU	-	-	-	7	3.21
106-RU	-	-	-	12	17.63
110M-AG	-	-	-	3	8.50
125-SB	-	-	-	20	2.19
137-CS	-	-	-	1	21.04
134-CS/137-CS	-	-	-	2	0.30

E. 1.4.

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
54-MN	1986 DEC 15	FUCUS VESICULOSUS	5550.1135	31	0.82
60-CO	-	-	-	7	3.49
103-RU	-	-	-	23	1.43
106-RU	-	-	-	25	11.24
110M-AG	-	-	-	6	5.93
137-CS	-	-	-	2	13.39
134-CS/137-CS	-	-	-	5	0.29
54-MN	-	FUCUS SERRATUS	-	13	0.96
60-CO	-	-	-	2	5.00
103-RU	-	-	-	10	1.91
106-RU	-	-	-	6	21.56
110M-AG	-	-	-	2	7.24
125-SB	-	-	-	7	4.22
137-CS	-	-	-	1	16.77
144-CE	-	-	-	28	2.12
134-CS/137-CS	-	-	-	2	0.41
60-CO	1987 APR 10	FUCUS VESICULOSUS	-	3	4.01
110M-AG	-	-	-	6	3.47
137-CS	-	-	-	1	14.93
134-CS/137-CS	-	-	-	2	0.27
60-CO	-	FUCUS SERRATUS	-	3	4.11
106-RU	-	-	-	9	18.35
110M-AG	-	-	-	5	5.80
125-SB	-	-	-	18	1.92
137-CS	-	-	-	1	14.00
134-CS/137-CS	-	-	-	3	0.21
60-CO	1987 MAY 21	FUCUS VESICULOSUS	-	6	2.87
110M-AG	-	-	-	15	2.37
137-CS	-	-	-	3	9.72
134-CS/137-CS	-	-	-	6	0.25
60-CO	-	FUCUS SERRATUS	-	13	2.97
137-CS	-	-	-	4	13.28
134-CS/137-CS	-	-	-	9	0.27
60-CO	1987 JUN 22	FUCUS VESICULOSUS	-	9	2.53
137-CS	-	-	-	2	12.61
134-CS/137-CS	-	-	-	6	0.25
60-CO	-	FUCUS SERRATUS	-	9	2.35
137-CS	-	-	-	2	16.92
134-CS/137-CS	-	-	-	4	0.27
60-CO	1987 JUL 15	FUCUS VESICULOSUS	-	10	2.65
110M-AG	-	-	-	39	1.03
137-CS	-	-	-	2	18.06
134-CS/137-CS	-	-	-	5	0.23
60-CO	-	FUCUS SERRATUS	-	13	3.35
137-CS	-	-	-	4	16.76
134-CS/137-CS	-	-	-	9	0.24
60-CO	1987 AUG 13	FUCUS VESICULOSUS	-	8	2.27
137-CS	-	-	-	2	14.61
134-CS/137-CS	-	-	-	4	0.25
60-CO	-	FUCUS SERRATUS	-	12	1.50
137-CS	-	-	-	2	15.33
134-CS/137-CS	-	-	-	5	0.22
60-CO	1987 SEP 15	FUCUS VESICULOSUS	-	18	1.53
137-CS	-	-	-	4	10.18
134-CS/137-CS	-	-	-	8	0.25
60-CO	-	FUCUS SERRATUS	-	9	1.87
137-CS	-	-	-	2	13.21
134-CS/137-CS	-	-	-	4	0.25

B. 1.5.

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
60-CO	1987 OCT 15	FUCUS VESICULOSUS	5558.1135	12	1.74
137-CS	-	-	-	2	11.18
134-CS/137-CS	-	-	-	6	0.25
60-CO	-	FUCUS SERRATUS	-	11	1.50
137-CS	-	-	-	3	9.41
134-CS/137-CS	-	-	-	6	0.22
60-CO	1987 NOV 13	FUCUS VESICULOSUS	-	23	1.45
137-CS	-	-	-	5	9.01
134-CS/137-CS	-	-	-	13	0.22
60-CO	-	FUCUS SERRATUS	-	16	1.56
137-CS	-	-	-	4	8.75
134-CS/137-CS	-	-	-	11	0.21
60-CO	1987 DEC 17	-	-	10	2.42
137-CS	-	-	-	3	12.11
134-CS/137-CS	-	-	-	6	0.23
60-CO	1987 APR 24	FUCUS VESICULOSUS	5607.1210	5	9.24
110M-AG	-	-	-	13	1.28
137-CS	-	-	-	4	14.83
134-CS/137-CS	-	-	-	8	0.30
60-CO	1987 MAY 20	FUCUS SERRATUS	5607.1219	5	3.73
106-RU	-	-	-	22	10.95
110M-AG	-	-	-	14	2.85
137-CS	-	-	-	3	11.32
134-CS/137-CS	-	-	-	6	0.29
60-CO	1987 JUN 22	FUCUS VESICULOSUS	-	13	1.97
137-CS	-	-	-	2	18.61
134-CS/137-CS	-	-	-	4	0.28
60-CO	1987 JUL 17	FUCUS SERRATUS	-	16	4.61
137-CS	-	-	-	5	21.48
134-CS/137-CS	-	-	-	12	0.24
60-CO	1987 AUG 14	-	-	16	1.83
137-CS	-	-	-	7	6.17
134-CS/137-CS	-	-	-	15	0.29
60-CO	1987 SEP 14	-	-	9	5.86
137-CS	-	-	-	4	17.71
134-CS/137-CS	-	-	-	10	0.23
60-CO	1987 OCT 16	-	-	21	3.29
137-CS	-	-	-	5	18.50
134-CS/137-CS	-	-	-	12	0.27
60-CO	1987 NOV 12	-	-	5	2.85
106-RU	-	-	-	29	4.88
137-CS	-	-	-	2	8.38
134-CS/137-CS	-	-	-	5	0.31
60-CO	1987 MAY 25	-	5611.1143	8	3.22
137-CS	-	-	-	2	15.28
134-CS/137-CS	-	-	-	6	0.26
60-CO	-	FUCUS VESICULOSUS	5612.1143	6	3.23
110M-AG	-	-	-	19	3.00
137-CS	-	-	-	2	13.08
134-CS/137-CS	-	-	-	5	0.20
60-CO	1987 DEC 14	FUCUS SERRATUS	-	9	2.78
137-CS	-	-	-	2	14.72
134-CS/137-CS	-	-	-	5	0.25
60-CO	1987 MAY 13	FUCUS VESICULOSUS	5643.1131	7	1.96
106-RU	-	-	-	13	11.98
110M-AG	-	-	-	9	2.91
137-CS	-	-	-	1	21.52
134-CS/137-CS	-	-	-	2	0.25

M. 1.6.

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
60-CO	1987 DEC 14	FUCUS VESICULOSUS	5643.1131	24	1.44
137-CS	-	-	-	3	16.81
134-CS/137-CS	-	-	-	7	0.24
54-MN	1986 OCT 01	-	5707.1211	14	2.14
58-CO		-	-	10	3.84
60-CO	-	-	-	3	8.08
103-RU	-	-	-	5	10.56
106-RU	-	-	-	9	34.26
110M-AG	-	-	-	6	6.35
137-CS	-	-	-	1	33.11
134-CS/137-CS	-	-	-	2	0.35
54-MN	1986 NOV 01	FUCUS SERRATUS	-	24	1.32
58-CO	-	-	-	21	1.73
60-CO	-	-	-	5	6.74
103-RU	-	-	-	9	4.29
106-RU	-	-	-	17	24.55
110M-AG	-	-	-	4	8.25
137-CS	-	-	-	2	18.92
134-CS/137-CS	-	-	-	4	0.38
54-MN	1986 DEC 01	-	-	17	4.79
58-CO	-	-	-	5	42.34
60-CO	-	-	-	1	89.88
65-ZN	-	-	-	21	9.70
103-RU	-	-	-	36	6.31
106-RU	-	-	-	17	44.68
110M-AG	-	-	-	6	14.02
137-CS	-	-	-	4	16.67
134-CS/137-CS	-	-	-	9	0.39
54-MN	1987 JAN 02	-	-	29	1.38
60-CO	-	-	-	4	9.38
106-RU	-	-	-	32	12.50
110M-AG	-	-	-	15	3.94
137-CS	-	-	-	2	19.95
134-CS/137-CS	-	-	-	5	0.33
60-CO	1987 APR 02	-	-	4	11.04
106-RU	-	-	-	23	18.42
110M-AG	-	-	-	24	3.64
137-CS	-	-	-	2	24.46
134-CS/137-CS	-	-	-	5	0.27
60-CO	1987 MAY 01	FUCUS VESICULOSUS	-	8	8.01
137-CS	-	-	-	3	20.23
134-CS/137-CS	-	-	-	8	0.23
60-CO	1987 JUN 01	-	-	10	6.50
137-CS	-	-	-	3	25.98
134-CS/137-CS	-	-	-	7	0.33
60-CO	1987 JUL 01	-	-	10	4.31
137-CS	-	-	-	3	18.07
134-CS/137-CS	-	-	-	9	0.27
54-MN	1987 AUG 01	FUCUS SERRATUS	-	29	0.75
60-CO	-	-	-	5	4.59
137-CS	-	-	-	2	19.87
134-CS/137-CS	-	-	-	4	0.27
60-CO	1987 SEP 01	FUCUS VESICULOSUS	-	9	4.66
137-CS	-	-	-	3	23.34
134-CS/137-CS	-	-	-	6	0.26

N. 1.7.

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
60-CO	1987 OCT 01	FUCUS VESICULOSUS	5707.1211	8	7.37
137-CS	-	-	-	4	21.20
134-CS/137-CS	-	-	-	8	0.29
60-CO	1987 OCT 01	FUCUS SERRATUS	-	8	4.38
137-CS	-	-	-	3	15.50
134-CS/137-CS	-	-	-	8	0.21
54-MN	1987 NOV 02	FUCUS VESICULOSUS	-	38	1.13
60-CO	-	-	-	6	6.20
137-CS	-	-	-	3	18.53
134-CS/137-CS	-	-	-	8	0.24
54-MN	1987 MAY 12	FUCUS SERRATUS	5714.1205	14	5.62
58-CO	-	-	-	12	27.92
60-CO	-	-	-	1	138.32
110M-AG	-	-	-	26	5.95
137-CS	-	-	-	3	19.52
134-CS/137-CS	-	-	-	8	0.28
54-MN	-	FUCUS VESICULOSUS	5715.1205	4	11.16
57-CO	-	-	-	40	0.44
58-CO	-	-	-	5	36.02
60-CO	-	-	-	0	183.24
106-RU	-	-	-	21	16.08
110M-AG	-	-	-	3	14.31
137-CS	-	-	-	2	14.88
134-CS/137-CS	-	-	-	6	0.27
60-CO	1987 MAY 13	FUCUS SERRATUS	5717.1208	1	61.43
137-CS	-	-	-	4	17.32
134-CS/137-CS	-	-	-	10	0.25
60-CO	-	-	5718.1056	16	2.40
110M-AG	-	-	-	13	3.13
137-CS	-	-	-	3	14.59
134-CS/137-CS	-	-	-	8	0.24
60-CO	-	FUCUS VESICULOSUS	5719.1108	12	2.52
137-CS	-	-	-	3	13.65
134-CS/137-CS	-	-	-	8	0.22

N. 2.1.

SEAWEED COLLECTED IN GREENLAND AND THE FAROE ISLANDS

UNIT : BQ/KG DRY

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
137-CS	1987 APR	LAMINARIA DIGITATA	FAROES	25	1.17
106-RU	-	FUCUS DISTICHUS	-	30	3.60
110M-AG	-	-	-	11	1.05
137-CS	-	-	-	5	1.59
134-CS/137-CS	-	-	-	13	0.35
137-CS	1987 JUL	FUCUS VESICULOSUS	NOLSQ FJ.	10	1.36
-	-	-	ARNEFJ.	5	2.16
134-CS/137-CS	-	-	-	13	0.30
137-CS	-	-	TRANGISVAAG	22	1.54
-	1987 SEP 10	ASCOPHYLLUM NODOSUM	GODTHAAB	15	0.34

O. 1.1.

DRIED MILK COLLECTED COUNTRYWIDE IN DENMARK FROM 7 FACTORIES (CF. FIG. 2)

DATE : 1986 OCT
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
HJORRING	0.072	2	0.808	1	0.441	2
RANDERS	0.086	2	1.016	1	0.466	2
VIDEBAEK	0.096	3	1.665	1	0.471	1
AABENRAA	0.103	1	2.094	1	0.525	1
NYBORG	0.067	2	1.311	7	0.439	9
RINGSTED	0.038	7	0.437	7	0.423	12
NAKSKOV	0.044	3	0.248	11	0.513	16
MEAN:	0.072		1.083		0.468	
S.E. %:	13		23		3	

DATE : 1986 NOV
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
HJORRING	0.073	4	0.625	4	0.429	7
RANDERS	0.097	2	1.045	4	0.421	6
VIDEBAEK	0.091	3	1.543	3	0.411	3
AABENRAA	0.098	2	1.475	2	0.428	3
NYBORG	0.069	3	0.864	4	0.471	5
RINGSTED	0.046	4	0.388	4	0.477	6
NAKSKOV	0.058	2	0.185	5	0.462	8
MEAN:	0.076		0.875		0.443	
S.E. %:	10		22		2	

O. 1.2.

DATE : DEC 1986
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
HJORRING	0.074	2	0.678	3	0.441	5
RANDERS	0.092	1	1.092	2	0.448	3
VIDEBAEK	0.088	2	1.016	3	0.465	3
AABENRAA	0.095	2	1.392	2	0.424	3
NYBORG	0.082	3	0.821	4	0.438	6
RINGSTED	0.058	2	0.383	6	0.393	13
NAKSKOV	0.049	2	0.235	11	0.491	28
MEAN:	0.077		0.802		0.443	
S.E. %:	9		19		3	

DATE : 1987 JAN
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.573	3	0.391	5
RANDERS	0.971	5	0.406	8
VIDEBAEK	1.339	4	0.405	6
AABENRAA	1.688	3	0.410	3
NYBORG	0.390	3	0.400	6
RINGSTED	0.413	3	0.421	4
NAKSKOV	0.154	7	0.488	11
MEAN:	0.790		0.417	
S.E. %:	27		3	

DATE : 1987 FEB
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.601	2	0.386	3
RANDERS	1.197	1	0.406	1
VIDEBAEK	1.185	1	0.413	2
AABENRAA	1.239	1	0.432	1
NYBORG	0.503	1	0.410	1
RINGSTED	0.615	2	0.434	2
NAKSKOV	0.180	3	0.407	6
MEAN:	0.846		0.413	
S.E. %:	18		2	

O. 1.3.

DATE : 1987 MAR
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.628	1	0.398	2
RANDERS	0.951	1	0.399	2
VIDEBAEK	1.471	1	0.385	1
AABENRAA	1.364	1	0.419	1
NYBORG	0.672	2	0.417	2
RINGSTED	0.666	2	0.406	2
NAKSKOV	0.162	4	0.382	8
MEAN:	0.845		0.401	
S.E. %:	20		1	

DATE : 1987 APR
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.554	2	0.377	3
RANDERS	0.998	2	0.401	3
VIDEBAEK	-		-	
AABENRAA	0.992	3	0.418	3
NYBORG	0.449	2	0.391	4
RINGSTED	0.301	5	0.401	8
NAKSKOV	0.253	6	0.410	10
MEAN:	0.592		0.400	
S.E. %:	23		1	

DATE : 1987 JAN-1987 APR
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	90-SR	SD %
LOCATION		
HJORRING	0.074	3
RANDERS	0.085	2
VIDEBAEK	0.088	2
AABENRAA	0.087	1
NYBORG	0.049	4
RINGSTED	0.043	4
NAKSKOV	0.054	1
MEAN:	0.069	
S.E. %:	11	

Q. 1.4.

DATE : 1987 MAY
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.600	2	0.368	3
RANDERS	1.302	1	0.335	2
VIDEBAEK	1.586	1	0.386	1
AABENRAA	1.205	3	0.415	3
NYBORG	-		-	
RINGSTED	0.306	3	0.390	5
NAKSKOV	0.172	5	0.349	9
MEAN:	0.862		0.382	
S.E. %:	28		2	

DATE : 1987 JUN
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.538	4	0.348	7
RANDERS	0.832	1	0.373	2
VIDEBAEK	1.261	4	0.398	4
AABENRAA	1.223	1	0.376	2
NYBORG	-		-	
RINGSTED	0.297	3	0.344	6
NAKSKOV	0.129	6	0.346	12
MEAN:	0.713		0.364	
S.E. %:	27		2	

DATE : 1987 MAY-1987 JUN
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	90-SR	SD %
LOCATION		
HJORRING	0.075	2
RANDERS	0.085	2
VIDEBAEK	0.097	1
AABENRAA	0.109	3
NYBORG	-	
RINGSTED	0.063	3
NAKSKOV	0.052	3
MEAN:	0.080	
S.E. %:	11	

O. 1.5.

DATE : 1987 JUL
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
RJQRRING	0.071	3	0.325	3	0.349	5
RANDERS	0.074	2	0.777	2	0.359	2
VIDERAER	0.090	2	1.100	1	0.381	2
AABERRAA	0.107	1	1.562	1	0.366	1
NYBORG	0.043	2	0.304	3	0.363	6
RINGSTED	0.051	3	0.331	3	0.348	5
NAKSKOV	0.055	3	0.137	5	0.348	11
MEAN:	0.070		0.648		0.356	
S.E. %:	12		30		1	

DATE : 1987 AUG
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
RJQRRING	0.071	3	0.586	3	0.333	4
RANDERS	0.073	3	0.787	2	0.333	4
VIDERAER	0.083	3	1.092	1	0.351	2
AABERRAA	-		-		-	
NYBORG	0.046	2	0.299	3	0.318	7
RINGSTED	0.049	3	0.289	3	0.374	5
NAKSKOV	0.049	4	0.129	5	0.372	10
MEAN:	0.062		0.527		0.347	
S.E. %:	10		28		3	

DATE : 1987 SEP
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
RJQRRING	0.062	2	0.363	3	0.271	6
RANDERS	0.064	3	0.646	2	0.332	3
VIDERAER	0.082	2	1.340	2	0.342	2
AABERRAA	0.082	3	0.687	2	0.340	3
NYBORG	0.049	4	0.202	4	0.302	8
RINGSTED	0.050	3	0.121	6	0.300	15
NAKSKOV	0.053	3	0.135	6	0.245	16
MEAN:	0.066		0.499		0.305	
S.E. %:	9		33		5	

O. 1.6.

DATE : 1987 OCT
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.369	2	0.309	5
RANDERS	0.526	2	0.326	4
VIDEBAEK	0.711	1	0.328	3
AABENRAA	0.562	2	0.325	3
NYBORG	0.192	4	0.378	8
RINGSTED	0.075	10	0.372	20
NAKSKOV	0.064	9	0.293	25
MEAN:	0.357		0.333	
S.E. %:	27		4	

DATE : 1987 NOV
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.178	4	0.287	10
RANDERS	0.388	2	0.312	5
VIDEBAEK	0.550	2	0.310	3
AABENRAA	0.259	3	0.298	7
NYBORG	0.139	5	0.259	14
RINGSTED	0.118	6	0.261	18
NAKSKOV	0.042	13	0.385	22
MEAN:	0.239		0.302	
S.E. %:	28		5	

DATE : 1987 DEC
SPECIES : DRIED MILK
UNIT : BQ/L

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
HJORRING	0.305	2	0.283	5
RANDERS	0.454	2	0.311	3
VIDEBAEK	0.408	4	0.336	8
AABENRAA	0.293	3	0.307	7
NYBORG	0.111	7	0.366	13
RINGSTED	0.097	6	0.354	13
NAKSKOV	0.048	12		
MEAN:	0.245		0.326	
S.E. %:	25		4	

0. 3.1.

PASTEURIZED MILK COLLECTED COUNTRYWIDE IN DENMARK IN 8 ZONES (CF. FIG. 3)

DATE : 1986 NOV
SPECIES : MILK PAST.
UNIT : BQ/L

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.081	2	1.012	2	0.454	2
E-JUTLAND 2	0.080	2	0.890	2	0.453	3
W-JUTLAND 3	0.080	2	1.041	2	0.443	2
S-JUTLAND 4	0.087	4	1.115	3	0.450	4
FUNEN 5	0.094	2	1.221	2	0.438	3
ZEALAND 6	0.070	3	0.511	3	0.428	4
LOL-FALST.7	0.070	3	0.483	3	0.456	4
BORNHOLM 8	0.061	3	0.508	6	0.449	9
MEAN:	0.078		0.848		0.446	
S.E. %:	5		13		1	

DATE : 1987 JUN
SPECIES : MILK PAST.
UNIT : BQ/L

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.072	2	0.901	1	0.368	2
E-JUTLAND 2	0.078	1	0.745	2	0.364	3
W-JUTLAND 3	0.074	2	0.864	1	0.361	2
S-JUTLAND 4	0.090	3	0.947	1	0.381	2
FUNEN 5	0.083	4	1.061	1	0.381	2
ZEALAND 6	0.055	1	0.336	3	0.384	5
LOL-FALST.7	0.060	2	0.278	3	0.348	7
BORNHOLM 8	0.075	3	0.070	9	0.402	17
MEAN:	0.073		0.650		0.374	
S.E. %:	5		20		2	

0. 3.2.

DATE : 1987 DEC
SPECIES : MILK PAST.
UNIT : BQ/L

ISOTOP		137-CS	SD %	134/137	SD %
LOCATION					
N-JUTLAND	1	0.286	2	0.298	5
E-JUTLAND	2	0.407	2	0.303	4
W-JUTLAND	3	0.313	2	0.307	4
S-JUTLAND	4	0.287	2	0.302	5
FUNEN	5	0.315	1	0.302	3
ZEALAND	6	0.081	7	0.285	17
LOL.-FALST.	7	0.108	5	0.283	12
BORNHOLM	8	0.048	7	0.246	19
MEAN:		0.231		0.291	
S.E. %:		20		2	

O. 4.1.

FAROESE MILK (CF. FIG. 9)

SPECIES : MILK PAST.
LOCATION : THORSHAVN (HQ/VIC)
UNIT : BQ/L

ISOTOP	DATE	SD %	RESULTS
134/137	1986 OCT	6	0.437
-	1986 NOV	11	0.377
-	1986 DEC	4	0.392
-	1987 JAN	8	0.425
-	1987 FEB	6	0.386
-	1987 MAR	4	0.401
-	1987 APR	5	0.334
-	1987 MAY	5	0.342
-	1987 JUN	5	0.344
-	1987 JUL	6	0.289
-	1987 AUG	7	0.238
-	1987 SEP	5	0.254
-	1987 OCT	12	0.244
-	1987 NOV	9	0.304
-	1987 DEC	9	0.276
137-CS	1986 OCT	4	6.132
-	1986 NOV	7	6.103
-	1986 DEC	3	6.108
-	1987 JAN	5	6.188
-	1987 FEB	4	5.772
-	1987 MAR	3	6.168
-	1987 APR	3	5.720
-	1987 MAY	3	6.431
-	1987 JUN	3	5.578
-	1987 JUL	3	6.153
-	1987 AUG	3	5.654
-	1987 SEP	2	4.994
-	1987 OCT	4	3.410
-	1987 NOV	5	2.963
-	1987 DEC	4	2.933
90-SR	1986 OCT	2	0.074
-	1986 NOV	2	0.072
-	1986 DEC	3	0.069
-	1987 JAN	3	0.068
-	1987 FEB	3	0.068
-	1987 MAR	5	0.063
-	1987 APR	3	0.070
-	1987 MAY	3	0.070
-	1987 JUN	2	0.075

SPECIES : MILK PAST.
LOCATION : KLASSVIG
UNIT : BQ/L

ISOTOP	DATE	SD %	RESULTS
134/137	1986 OCT	8	0.397
-	1986 NOV	7	0.428
-	1986 DEC	3	0.367
-	1987 JAN	10	0.294
-	1987 FEB	7	0.377
-	1987 MAR	4	0.382
-	1987 APR	3	0.364
-	1987 MAY	3	0.367
-	1987 JUN	5	0.317
-	1987 JUL	4	0.327
-	1987 AUG	8	0.284
-	1987 SEP	5	0.337
-	1987 OCT	7	0.320
-	1987 NOV	10	0.281
137-CS	1986 OCT	5	7.536
-	1986 NOV	5	7.486
-	1986 DEC	2	6.251
-	1987 JAN	5	8.883
-	1987 FEB	4	6.983
-	1987 MAR	3	7.956
-	1987 APR	2	10.298
-	1987 MAY	2	7.542
-	1987 JUN	3	5.213
-	1987 JUL	2	6.246
-	1987 AUG	4	3.999
-	1987 SEP	3	4.895
-	1987 OCT	3	4.742
-	1987 NOV	5	3.074
90-SR	1986 OCT	3	0.098
-	1986 NOV	3	0.079
-	1986 DEC	3	0.094
-	1987 JAN	2	0.085
-	1987 FEB	2	0.083
-	1987 MAR	2	0.096
-	1987 APR	4	0.099
-	1987 MAY	4	0.078
-	1987 JUN	2	0.082

SPECIES : MILK PAST.
LOCATION : TVAERMA
UNIT : BQ/L

ISOTOP	DATE	SD %	RESULTS
134/137	1986 OCT	4	0.412
-	1986 NOV	6	0.428
-	1986 DEC	2	0.391
-	1987 JAN	7	0.378
-	1987 FEB	4	0.395
-	1987 MAR	2	0.349
-	1987 APR	2	0.370
-	1987 AUG	3	0.234
-	1987 OCT	3	0.265
-	1987 NOV	4	0.268
137-CS	1986 OCT	3	16.179
-	1986 NOV	4	13.292
-	1986 DEC	1	16.794
-	1987 JAN	4	13.857
-	1987 FEB	3	12.855
-	1987 MAR	1	11.503
-	1987 APR	1	11.352
-	1987 AUG	1	12.409
-	1987 OCT	2	10.305
-	1987 NOV	2	10.782
90-SR	1986 OCT	2	0.115
-	1986 NOV	1	0.108
-	1986 DEC	3	0.097
-	1987 JAN	3	0.084
-	1987 FEB	3	0.076
-	1987 MAR	2	0.081
-	1987 APR	1	0.075

DATE : 1987 JUL
SPECIES : WHOLE-MILK UNTREATED
UNIT : BQ/L

ISOTOP	LOCATION	SD %	RESULTS
134/137	KLAKSVIG	2	0.287
137-CS	-	1	12.085
134/137	SUND (STROMO)	3	0.294
137-CS	-	2	12.332
134/137	SORVAAG/SORVAG	6	0.284
137-CS	-	3	4.882
134/137	VAAG-LOBRA ROAD	3	0.288
137-CS	-	2	15.280

D. 5.1.

CHEESE COLLECTED IN DENMARK

SPECIES : CHEESE
LOCATION : DENMARK
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
DATE						
1986 OCT			1.39	3	0.50	4
1986 OCT-1986 DEC	0.93	2	1.43	4	0.47	8
1987 JAN-1987 MAR	0.90	2	1.03	4	0.48	7
1987 APR-1987 JUN	0.84	2	1.03	3	0.39	5
1987 JUL-1987 SEP	1.05	1	1.27	3	0.35	6
MEAN:	0.93		1.23		0.44	
S.E. %:	5		7		7	

P. 1.1.

MEAT AND EGGS COLLECTED COUNTRYWIDE IN DENMARK (CF. FIG. 3)

DATE : 1986 DEC
SPECIES : BEEF MEAT
LOCATION : DENMARK

ISOTOP	SD %	UNIT	RESULTS
90-SR	11	BQ/KG FRESH	0.0092
137-CS	2	-	2.3710
134/137	2	-	0.4817

DATE : 1987 JUN
SPECIES : BEEF MEAT
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-Cs	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			3.104	3	0.348	4
E-JUTLAND 2			16.897	1	0.398	1
W-JUTLAND 3			4.583	1	0.381	1
S-JUTLAND 4			7.000	1	0.379	2
FUNEN 5			5.380	1	0.388	1
ZEALAND 6			7.558	0	0.396	1
LOL-FALST.7			12.621	1	0.383	1
BORNHOLM 8			18.586	0	0.407	0
COPENHAGEN			11.477	1	0.399	1
DENMARK	0.017	11				
MEAN:	0.017		9.690		0.387	
S.E. %:			19		1	

DATE : 1987 DEC
SPECIES : BEEF MEAT
UNIT : BQ/KG FRESH

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
N-JUTLAND 1	3.151	1	0.290	2
E-JUTLAND 2	1.683	1	0.296	2
W-JUTLAND 3	1.900	2	0.311	3
S-JUTLAND 4	4.031	2	0.312	3
FUNEN 5	1.302	2	0.316	4
ZEALAND 6	1.933	1	0.322	3
LOL-FALST.7	1.293	2	0.289	4
BORNHOLM 8	0.126	9	0.246	25
MEAN:	1.927		0.298	
S.E. %:	22		3	

P. 1.2.

DATE : 1986 DEC
SPECIES : PORK MEAT
LOCATION : DENMARK

ISOTOP	SD %	UNIT	RESULTS
90-SR	36	BQ/KG FRESH	0.0066
137-CS	3	-	0.8898
134/137	4	-	0.4362

DATE : 1987 JUN
SPECIES : PORK MEAT
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1			0.4666	7	0.3204	15
E-JUTLAND 2			2.1782	2	0.3510	3
W-JUTLAND 3			1.2600	3	0.3095	5
S-JUTLAND 4			2.1000	2	0.3524	4
FUNEN 5			1.3196	1	0.3558	2
ZEALAND 6			0.7406	2	0.3578	4
LOL-FALST.7			0.7246	3	0.3614	6
BORNHOLM 8			1.1556	1	0.3787	2
COPENHAGEN			1.6757	2	0.3472	5
DENMARK	0.0087	59				
MEAN:	0.0087		1.2912		0.3483	
S.E. %:			16		2	

DATE : 1987 DEC
SPECIES : PORK MEAT
UNIT : BQ/KG FRESH

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
N-JUTLAND 1	0.874	3	0.260	6
E-JUTLAND 2	0.534	2	0.250	6
W-JUTLAND 3	0.672	3	0.237	10
S-JUTLAND 4	0.604	4	0.265	9
FUNEN 5	0.602	4	0.276	9
ZEALAND 6	0.390	5	0.291	12
LOL-FALST.7	1.042	1	0.302	2
BORNHOLM 8	0.083	12	0.257	39
MEAN:	0.600		0.267	
S.E. %:	17		3	

P. 1.3.

SPECIES : HENS EGG
LOCATION : DENMARK
UNIT : BQ/KG FRESH

ISOTOP	DATE	SD %	RESULTS
90-SR	1986 DEC	10	0.025
137-CS	-	8	0.220
134/137	-	12	0.478
90-SR	1987 JUN	17	0.020
137-CS	-	7	0.185
134/137	-	15	0.358

SPECIES : HENS EGG
LOCATION : FAROES
UNIT : BQ/KG FRESH

ISOTOP	DATE	SD %	RESULTS
137-CS	1987 MAY 01	1	1.572
134/137	-	3	0.312
137-CS	1987 JUN	4	0.528
134/137	-	8	0.335

Q. 1.1.

FISH MEAT COLLECTED AT TWO FISHING PORTS IN DENMARK (RINGKØBING: THE NORTH SEA, HUNDESTED: CATTEGAT)

UNIT : BQ/KG FRESH

ISOTOP	DATE	SPECIES	LOCATION	SD %	RESULTS
90-SR	1986 OCT 07	COD MEAT	RINGKØBING	12	0.0139
137-CS	-	-	-	3	3.4301
134/137	-	-	-	5	0.3644
90-SR	1986 NOV 15	-	-	15	0.0156
137-CS	-	-	-	3	3.9940
134/137	-	-	-	6	0.2830
137-CS	1987 MAR	-	-	2	4.6824
134/137	-	-	-	5	0.1899
137-CS	1987 SEP 02	-	-	1	3.3205
134/137	-	-	-	6	0.1187
90-SR	1986 OCT 07	PLAICE MEAT	-	13	0.0064
137-CS	-	-	-	5	2.3140
134/137	-	-	-	9	0.2451
90-SR	1986 NOV 15	-	-	6	0.0144
137-CS	-	-	-	3	3.2940
134/137	-	-	-	27	0.0485
137-CS	1987 MAR	-	-	2	1.0981
134/137	-	-	-	4	0.2742
137-CS	1987 SEP 02	-	-	2	1.1791
134/137	-	-	-	7	0.2061
90-SR	1986 OCT 07	HERRING MEAT	-	14	0.0137
137-CS	-	-	-	3	8.1355
134/137	-	-	-	5	0.3656
90-SR	1986 NOV 15	-	-	25	0.0061
137-CS	-	-	-	2	4.3663
134/137	-	-	-	5	0.2482
137-CS	1987 MAR 24	-	-	1	4.3780
134/137	-	-	-	3	0.2374
137-CS	1987 SEP 02	-	-	2	1.6141
134/137	-	-	-	8	0.1533
90-SR	1986 NOV 07	COD MEAT	HUNDESTED	5	0.0324
137-CS	-	-	-	2	4.1070
134/137	-	-	-	3	0.2723
137-CS	1987 MAR	-	-	1	12.5755
134/137	-	-	-	2	0.3564
137-CS	1987 SEP 11	-	-	1	13.3117
134/137	-	-	-	1	0.2826
90-SR	1986 NOV 07	PLAICE MEAT	-	6	0.0244
137-CS	1987 MAR	-	-	1	5.2785
134/137	-	-	-	2	0.2707
137-CS	1987 SEP 11	-	-	2	1.5229
134/137	-	-	-	7	0.1809
90-SR	1986 NOV 07	HERRING MEAT	-	14	0.0031
137-CS	-	-	-	1	3.8029
134/137	-	-	-	3	0.2656
137-CS	1987 MAR 17	-	-	1	4.8065
134/137	-	-	-	3	0.2255
137-CS	1987 SEP 11	-	-	1	2.5584
134/137	-	-	-	4	0.1908
137-CS	1987 MAY 22	GARPIKE MEAT	-	3	6.4527
134/137	-	-	-	8	0.2050
137-CS	1986 NOV 07	FLOUNDER MEAT	-	1	6.9674
134/137	-	-	-	3	0.2606

R. 1.1.

TOTAL DIET COLLECTED COUNTRYWIDE IN DENMARK IN 8 TOWNS AND COPENHAGEN (CF. FIG. 3) AND IN 24 "A"-TOWNS (CF. FIG. 4) AND 24 "B"-TOWNS (CF. FIG. 5)

DATE : 1986 DEC
SPECIES : TOTAL DIET
UNIT : BQ/DAY PRO CAPITE

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1. A TOWN	0.185	2	2.538	3	0.404	5
N-JUTLAND 1. B TOWN			2.054	3	0.404	4
E-JUTLAND 2. A TOWN			2.589	3	0.433	4
E-JUTLAND 2. B TOWN	0.203	2	2.704	3	0.410	5
W-JUTLAND 3. A TOWN	0.172	4	3.014	1	0.421	2
W-JUTLAND 3. B TOWN			3.027	2	0.432	3
S-JUTLAND 4. A TOWN			2.774	3	0.433	5
S-JUTLAND 4. B TOWN	0.236	3	2.259	3	0.397	6
FUNEN 5. A TOWN	0.180	4	2.836	2	0.446	2
FUNEN 5. B TOWN			2.605	1	0.410	2
ZEALAND 6. A TOWN			2.414	6	0.441	8
ZEALAND 6. B TOWN	0.161	3	3.411	4	0.377	6
LOL-FAL. 7. A TOWN	0.157	3	1.450	3	0.449	4
LOL-FAL. 7. B TOWN			1.604	3	0.469	4
BORNHOLM 8. A TOWN			1.208	7	0.397	11
BORNHOLM 8. B TOWN	0.161	3	1.101	5	0.402	9
COPENHAGEN	0.174	3	1.559	1	0.435	2
MEAN:	0.181		2.303		0.421	
S.E. %:	5		7		1	

R. 1.2.

DATE : 1987 JUN
SPECIES : TOTAL DIET
UNIT : BQ/DAY PRO CAPITA

ISOTOP	90 SR	SD %	137-CS	SD %	134/137	SD %
LOCATION						
N-JUTLAND 1	0.142	3				
N-JUTLAND 1. A TOWN			1.937	1	0.377	2
N-JUTLAND 1. B TOWN			2.330	2	0.371	2
E-JUTLAND 2	0.249	2				
E-JUTLAND 2. A TOWN			1.704	2	0.357	3
E-JUTLAND 2. B TOWN			3.273	1	0.375	2
W-JUTLAND 3	0.138	3				
W-JUTLAND 3. A TOWN			2.085	2	0.385	2
W-JUTLAND 3. B TOWN			2.124	1	0.372	2
S-JUTLAND 4	0.351	2				
S-JUTLAND 4. A TOWN			2.313	1	0.379	2
S-JUTLAND 4. B TOWN			2.297	1	0.367	2
FUNEN 5	0.124	3				
FUNEN 5. A TOWN			2.511	1	0.386	2
FUNEN 5. B TOWN			2.202	2	0.388	2
ZEALAND 6	0.316	5				
ZEALAND 6. A TOWN			2.414	1	0.381	2
ZEALAND 6. B TOWN			1.944	2	0.377	2
LOL-FAL. 7.	0.134	4				
LOL-FAL. 7. A TOWN			1.868	1	0.376	2
LOL-FAL. 7. B TOWN			1.883	2	0.379	3
BORNHOLM 8	0.152	2				
BORNHOLM 8. A TOWN			2.465	1	0.358	2
BORNHOLM 8. B TOWN			2.251	1	0.385	1
COPENHAGEN	0.140	3	2.166	2	0.380	2
MEAN:	0.194		2.222		0.376	
S.E. %:	15		4		1	

R. 1.3.

DATE : 1987 DEC
SPECIES : TOTAL DIET
UNIT : BQ/DAY PRO CAPITE

ISOTOP	137-CS	SD %	134/137	SD %
LOCATION				
N-JUTLAND 1. A TOWN	1.034	2	0.306	4
N-JUTLAND 1. B TOWN	0.952	2	0.298	5
E-JUTLAND 2. A TOWN	0.884	3	0.292	5
E-JUTLAND 2. B TOWN	1.021	2	0.332	4
W-JUTLAND 3. A TOWN	1.063	2	0.303	4
W-JUTLAND 3. B TOWN	0.894	2	0.279	5
S-JUTLAND 4. A TOWN	1.173	2	0.296	5
S-JUTLAND 4. B TOWN	0.919	2	0.310	4
FUNEN 5. A TOWN	1.068	2	0.340	3
FUNEN 5. B TOWN	1.182	2	0.313	4
ZEALAND 6. A TOWN	0.584	3	0.318	6
ZEALAND 6. B TOWN	0.503	3	0.321	6
LOL-FAL. 7. A TOWN	0.729	2	0.330	5
LOL-FAL. 7. B TOWN	0.826	2	0.310	5
BORNHOLM 8	0.751	2	0.309	5
COPENHAGEN	0.691	3	0.289	7
MEAN:	0.898		0.309	
S.E. %:	5		1	

S. L.I.

IMPORTED FRUIT COLLECTED IN COPENHAGEN

DATE : 1986 NOV
LOCATION : COPENHAGEN
UNIT : BQ/KG FRESH

ISOTOP	90-SR	SD %	137-CS	SD %	134/137	SD %
SPECIES						
ORANGE	0.128	1	0.127	4	0.460	6
BANANAS	0.006	11	0.009	80		
HAZELNUT	2.501	1	283.531	1	0.467	1
OATMEAL	0.397	2	0.160	19		
RICE	0.014	13	0.035	16		
COFFEE	0.417	3	0.526	15		
TEA	0.412	3	2.816	3		

S. 2.1.

IMPORTED VEGETABLE PRODUCTS COLLECTED IN DENMARK

ISOTOP	DATE	SPECIES	LOCATION	SD %	UNIT	RESULTS
137-CS	1987 MAY	WATER MELON	GREECE	13	BQ/KG FRESH	0.087
134/137	-	-	-	22	-	0.499
137-CS	1987 AUG	PEACH	-	1	-	9.035
134/137	-	-	-	2	-	0.360
137-CS	1987 MAY	POTATOES	ITALY	7	-	0.306
134/137	-	-	-	14	-	0.415
137-CS	-	CARROT	-	62	-	0.018
-	-	ONIONS FOR SALAD	-	4	-	0.264
134/137	-	-	-	7	-	0.427
137-CS	-	PEAS	-	24	-	0.036
-	-	APPLE	-	1	-	12.126
134/137	-	-	-	1	-	0.415
137-CS	-	PEAR	-	1	-	39.879
134/137	-	-	-	1	-	0.409
137-CS	-	STRAWBERRY	-		-	BDL
-	-	PEACH	-	12	-	0.128
134/137	-	-	-	17	-	0.344
137-CS	-	WINE	-		-	BDL
-	-	CHINA LETTUCE	NETHERLANDS	6	-	0.239
134/137	-	-	-	11	-	0.417
137-CS	-	CUCUMBER	-	3	-	0.288
134/137	-	-	-	6	-	0.396
137-CS	-	SQUASH	-	21	-	0.082
-	-	CAPISCUM	-	28	-	0.063
-	-	TOMATOES	-	7	-	0.311
134/137	-	-	-	13	-	0.412
137-CS	-	CAULIFLOWER	FRANCE	100	-	0.006
-	-	ONION	-	89	-	0.010
-	-	APPLE	-	100	-	0.006
-	-	POTATOES	CYPRUS	46	-	0.039
-	-	STRAWBERRY	BELGIUM	100	-	0.006
-	-	ASPARAGUS	HUNGARY	80	-	0.017
-	1987 AUG	PLUMS	W. GERMAN	2	-	0.730
134/137	-	-	-	3	-	0.432
137-CS	1987 JUL 09	WINE	ITALY	7	BQ/L	0.817
134/137	-	-	-	12	-	0.389
137-CS	-	-	-	21	-	0.240
134/137	-	-	-	22	-	0.654
137-CS	1987 SEP 24	-	YUGOSLAVIA	13	-	0.890
134/137	-	-	-	18	-	0.475
137-CS	-	-	-	13	-	0.794

T.I.I.

Radiocaesium ($^{134+137}Cs$) in Danes in the period September 1986 to November 1987.

No.	Date	Sex	Age	Bq Cs (kg K)$^{-1}$	g K (kg)$^{-1}$
2	9/9-86	F	43	820	2.58
"	13/10-86	F	"	1460	2.41
"	14/11-86	F	"	1170	2.38
"	9/12-86	F	"	1610	2.29
"	20/1-87	F	"	2500	2.45
"	17/2-87	F	"	2610	2.29
"	19/3-87	F	"	2420	2.66
"	18/4-87	F	"	2600	2.22
"	22/5-87	F	"	2600	2.70
"	23/6-87	F	"	2650	2.91
"	13/7-87	F	"	2260	2.90
"	17/8-87	F	"	2340	2.57
"	14/9-87	F	"	2540	2.48
"	9/10-87	F	"	2490	2.58
"	25/11-87	F	"	2330	2.49
3	15/9-86	F	53	1610	2.46
"	14/10-86	F	"	1540	2.72
"	20/11-86	F	"	1830	2.52
"	16/12-86	F	"	1500	2.12
"	22/1-87	F	"	1450	2.48
"	18/2-87	F	"	1630	2.50
"	23/3-87	F	"	1680	2.73
"	9/4-87	F	"	1600	2.36
"	18/5-87	F	"	1740	2.93
"	22/6-87	F	"	1650	3.17
"	13/7-87	F	"	2020	2.71
"	24/8-87	F	"	1840	3.02
"	14/9-87	F	"	1720	3.03
"	8/10-87	F	"	1660	3.07
"	25/11-87	F	"	1400	2.96
4	17/9-86	M	53	1390	2.19
"	14/10-86	M	"	1530	2.46
"	13/11-86	M	"	1770	2.08
"	23/1-87	M	"	1940	2.74
"	17/2-87	M	"	1950	2.28
"	27/3-87	M	"	1930	2.19
"	13/4-87	M	"	2300	2.14
"	21/5-87	M	"	2200	2.34
"	23/6-87	M	"	2350	2.92
"	17/7-87	M	"	2410	2.51
"	20/8-87	M	"	2510	2.49
"	21/9-87	M	"	2450	2.62
"	15/10-87	M	"	2,10	2.12
"	20/11-87	M	"	2490	2.33

T.1.2.

(continued)

No.	Date	Sex	Age	Bq Cs $(kg\ K)^{-1}$	g K $(kg)^{-1}$
5	11/9-86	M	36	2100	2.30
6	8/9-86	M	54	420	2.12
"	21/10-86	M	"	680	2.42
"	19/11-86	M	"	940	2.31
"	18/12-86	M	"	1280	2.47
"	21/1-87	M	"	1290	2.19
"	16/2-87	M	"	1580	2.15
"	17/3-87	M	"	2000	1.78
"	14/4-87	M	"	2550	2.15
7	16/9-86	F	47	1010	1.89
"	23/10-86	F	"	740	2.07
"	18/11-86	F	"	1020	2.07
"	5/12-86	F	"	1000	1.84
"	27/1-87	F	"	1330	2.08
"	19/2-87	F	"	1280	2.23
"	17/3-87	F	"	1550	1.65
"	10/4-87	F	"	1480	1.99
"	25/5-87	F	"	1750	1.90
"	18/6-87	F	"	1500	2.16
"	13/7-87	F	"	1780	2.23
"	20/8-87	F	"	2150	2.14
"	8/9-87	F	"	1900	2.02
"	13/10-87	F	"	1920	2.10
"	26/11-87	F	"	1830	2.28
9	9/9-86	F	58	1360	1.97
"	23/10-86	F	"	1510	2.03
"	11/11-86	F	"	1540	2.21
"	16/12-86	F	"	1860	2.08
"	22/1-87	F	"	1820	2.03
"	19/2-87	F	"	1950	1.93
"	19/3-87	F	"	1700	2.27
"	22/4-87	F	"	1920	1.94
"	21/5-87	F	"	2210	2.35
"	18/6-87	F	"	2320	2.22
"	17/7-87	F	"	2470	2.21
"	12/8-87	F	"	2360	2.66
"	8/9-87	F	"	2100	2.65
"	9/10-87	F	"	1980	2 56
"	24/11-87	F	"	1740	2.55

T.1.3.

(continued)

No.	Date	Sex	Age	Bq Cs $(kg\ K)^{-1}$	g K $(kg)^{-1}$
11	11/9-86	F	49	1670	1.79
"	13/10-86	F	"	2060	1.88
"	11/11-86	F	"	1800	1.87
"	20/1-87	F	"	2630	1.85
"	18/2-87	F	"	2650	1.89
"	18/3-87	F	"	2560	1.81
"	20/5-87	F	"	2520	1.96
"	17/6-87	F	"	2450	2.10
"	12/8-87	F	"	2320	2.11
"	11/9-87	F	"	2260	1.97
"	9/10-87	F	"	2310	2.01
"	20/11-87	F	"	2130	1.98
12	12/9-86	F	38	940	2.37
13	19/9-86	M	39	840	2.32
"	22/10-86	M	"	750	2.61
"	18/11-86	M	"	1000	2.57
14	16/9-86	M	44	750	2.57
"	14/10-86	M	"	840	2.82
"	19/11-86	M	"	800	2.63
"	18/12-86	M	"	840	2.54
"	21/1-87	M	"	830	2.84
"	23/2-87	M	"	1120	2.59
"	23/3-87	M	"	1060	2.37
"	13/4-87	M	"	230	2.78
"	25/5-87	M	"	1250	2.78
"	16/6-87	M	"	1150	3.57
"	15/7-87	M	"	1270	3.17
"	17/8-87	M	"	1270	3.02
"	9/9-87	M	"	1740	3.13
"	13/10-87	M	"	1760	2.77
"	24/11-87	M	"	1600	3.08
15	11/9-86	F	45	760	1.70
"	23/10-86	F	"	900	2.06
"	12/11-86	F	"	1170	1.89
"	11/12-86	F	"	1120	1.94
"	21/1-87	F	"	1220	2.21
"	16/2-87	F	"	1490	1.98
"	18/3-87	F	"	1590	1.79
"	15/4-87	F	"	2700	1.82
"	19/6-87	F	"	2270	2.18
"	15/7-87	F	"	2650	2.20
"	12/8-87	F	"	2530	2.17
"	14/9-87	F	"	2480	2.18
"	9/10-87	F	"	2370	2.05
"	20/11-87	F	"	2400	1.95

T.1.4.

(continued)

No.	Date	Sex	Age	Bq Cs $(kg\ K)^{-1}$	g K $(kg)^{-1}$
16	12/9-86	M	39	720	2.45
"	20/10-86	M	"	1140	2.56
"	14/8-87	M	"	3120	2.49
"	8/9-87	M	"	3180	2.57
"	19/10-87	M	"	3550	2.59
17	5/9-86	M	27	710	2.86
"	15/10-86	M	"	1880	2.93
"	13/11-86	M	"	1740	2.67
"	9/12-86	M	"	1830	2.57
"	23/1-87	M	"	1580	2.84
"	18/2-87	M	"	1920	2.78
"	17/3-87	M	"	1950	2.23
"	21/4-87	M	"	1680	2.68
"	25/5-87	M	"	1640	3.31
"	19/6-87	M	"	1610	3.21
"	24/7-87	M	"	1240	3.24
"	21/8-87	M	"	1530	3.36
"	15/9-87	M	"	2240	3.42
"	26/11-87	M	"	1650	3.17
18	23/10-86	F	50	1010	2.33
"	18/11-86	F	"	840	1.99
"	17/12-86	F	"	990	1.89
"	27/1-87	F	"	1800	2.11
"	23/3-87	F	"	1410	2.06
"	22/4-87	F	"	1680	1.87
"	20/5-87	F	"	1780	1.96
"	24/6-87	F	"	1400	2.62
"	19/8-87	F	"	1620	2.79
19	18/9-86	F	47	790	1.88
"	21/10-86	F	"	930	1.93
"	20/11-86	F	"	1060	1.98
"	17/12-86	F	"	970	1.97
"	27/1-87	F	"	1320	2.03
"	19/3-87	F	"	1420	1.97
"	14/4-87	F	"	1500	2.06
"	22/5-87	F	"	1780	2.28
"	19/6-87	F	"	1470	2.33
"	24/7-87	F	"	1480	2.23
"	19/8-87	F	"	1370	2.36
"	18/9-87	F	"	1420	2.43
"	13/10-87	F	"	1440	2.00
"	24/11-87	F	"	1450	2.24

T.1.5.

(continued)

No.	Date	Sex	Age	Bq Cs $(kg\ K)^{-1}$	g K $(kg)^{-1}$
20	9/9-86	M	43	920	2.07
"	15/10-86	M	"	1220	2.35
"	13/11-86	M	"	1250	2.13
"	16/12-86	M	"	1490	2.23
"	23/1-87	M	"	1440	2.27
"	24/3-87	M	"	1580	2.71
"	13/4-87	M	"	1520	2.29
"	26/5-87	M	"	1920	2.23
"	16/6-87	M	"	1130	3.39
"	18/8-87	M	"	2050	2.56
"	9/9-87	M	"	1870	2.44
"	8/10-87	M	"	1780	2.63
22	16/12-86	F	5	1130	2.26
"	26/1-87	F	"	1030	2.18
"	24/3-87	F	"	1560	2.13
"	15/4-87	F	"	1620	2.48
"	21/5-87	F	"	1930	2.42
"	22/6-87	F	"	1620	2.66
"	22/7-87	F	"	2510	2.42
"	20/8-87	F	"	2370	2.25
"	22/9-87	F	"	1910	2.54
"	14/10-87	F	"	2190	2.37
24	22/12-86	F	11	1600	2.25
"	21/1-87	F	"	1440	2.12
"	23/2-87	F	"	2040	1.95
"	16/3-87	F	"	1880	1.86
"	27/4-87	F	"	2110	2.01
"	18/5-87	F	"	2100	2.51
"	19/8-87	F	"	2940	2.86
"	15/9-87	F	"	2830	2.30
"	27/10-87	F	"	2390	2.36
25	22/12-86	M	10	1510	2.21
"	21/1-87	M	"	1450	2.17
"	23/2-87	M	"	1760	2.09
"	16/3-87	M	"	1730	1.75
"	27/4-87	M	"	1880	1.86
"	18/5-87	M	"	1830	2.08
"	19/8-87	M	"	2930	2.56
"	10/9-87	M	"	2940	2.56
"	14/10-87	M	"	2580	2.39

T.1.6.

(continued)

No.	Date	Sex	Age	Bq Cs $(kg\ K)^{-1}$	g K $(kg)^{-1}$
26	22/12-86	F	6	2410	1.77
"	23/1-87	F	"	2570	1.66
"	17/2-87	F	"	4100	1.49
"	20/3-87	F	"	4070	1.83
"	10/4-87	F	"	3910	2.07
"	22/5-87	F	"	4930	2.04
"	14/8-87	F	"	4040	1.79
"	11/9-87	F	"	3970	1.89
"	16/10-87	F	"	4530	1.65
Mean*	September	1986		1050±110	
"	October	"		1220±110	
"	November	"		1260±110	
"	December	"		1300±130	
"	January	1987		1630±140	
"	February	"		1820±160	
"	March	"		1760±120	
"	April	"		1870±170	
"	May	"		2060±130	
"	June	"		2040±220	
"	July	"		1940±150	
"	August	"		2050±150	
"	September	"		2120±140	
"	October	"		2140±180	
"	November	"		1950±115	

*Monthly mean values (adults only) $^{134+137}Cs$ Bq kg^{-1} ± 1 S.E.

An approximate estimate of the ^{137}Cs may be obtained by multiplying the Bq Cs $(kg\ K)^{-1}$ with 0,7.

U. 1.1.

HUMAN BONE COLLECTED COUNTRYWIDE IN DENMARK

ISOTOP : 90-SR
UNIT : BQ/KG CA

DATE	SPECIES	LOCATION	SD %	AGE IN DAYS	RESULTS
1987 JAN 18	BONE NEW-BORN BOY <1 MONTH	W-JUTLAND 3	19	30	59.69
1987 FEB 01	-	ZEALAND 6	77	0	13.17

ISOTOP : 90-SR
UNIT : BQ/KG CA

DATE	SPECIES	LOCATION	SD %	AGE IN MONTHS	RESULTS
1987 FEB 24	BONE INFANTS M. <60 MONTH	N-JUTLAND 1	24	1	18.41
1986 NOV 11	-	-	33	2	14.90
1987 MAR 03	-	-	10	2	28.52
1987 JAN 04	-	-	17	3	37.64
1987 FEB 23	-	-	4	3	35.44
1986 DEC 29	-	E-JUTLAND 2	27	2	91.10
1986 DEC 08	-	-	18	2	15.43
1986 OCT 03	-	-	26	2	29.31
1987 MAR 03	-	-	11	3	54.84
1987 AUG 03	-	-	47	4	16.36
1987 AUG 15	-	-	42	4	10.57
1986 DEC 26	-	-	71	5	78.55
1986 NOV 18	-	-	26	8	32.16
1986 NOV 09	-	-	12	11	33.65
1986 DEC 13	-	W-JUTLAND 3	8	6	32.13
1986 NOV 08	-	S-JUTLAND 4	24	3	34.71
1987 MAR 09	-	-	15	22	19.97
1987 MAR 16	-	ZEALAND 6	22	2	57.95
1986 OCT 20	-	-	10	3	40.29
1986 NOV 30	-	-	15	4	18.12
1987 FEB 14	-	-	19	5	51.00
1987 MAR 21	-	-	73	5	17.27
1986 DEC 04	-	-	51	7	29.76
1987 MAR 12	-	JUTLAND	14	2	25.55
1987 JAN 25	BONE INFANTS F. <60 MONTH	E-JUTLAND 2	39	1	8.42
1986 DEC 17	-	-	19	4	24.54
1987 MAR 04	-	-	15	9	11.35
1987 MAR 08	-	-	18	10	27.75
1987 MAR 01	-	S-JUTLAND 4	23	2	5.77
1987 APR 05	-	ZEALAND 6	35	2	32.56
1986 OCT 28	-	-	20	3	47.11
1987 AUG 01	-	-	7	4	15.57

U. 1.2.

ISOTOP : 90-SR
UNIT : BQ/KG CA

DATE	SPECIES	LOCATION	SD %	AGE IN YEARS	RESULTS
1987 SEP 01	CHILDREN >5 YEARS & ADULTS F.	N-JUTLAND 1	16	38	19.45
1987 AUG 02	-	-	2	63	17.06
1987 SEP 02	-	E-JUTLAND 2	27	48	31.31
1987 AUG 04	-	-	6	70	15.19
1987 MAR 16	-	ZEALAND 6	18	7	19.09
1986 OCT 08	-	-	18	20	15.45
1987 AUG 13	-	-	10	36	15.21
1987 MAR 20	-	-	19	37	28.26
1986 OCT 01	-	-	14	39	20.88
1987 AUG 27	-	-	20	48	16.75
1987 AUG 03	-	-	14	52	19.42
1987 APR 01	-	-	24	58	29.55
1987 APR 08	-	-	11	59	19.23
1987 APR 14	-	-	10	60	37.11
1987 AUG 24	-	-	25	64	11.17
1986 OCT 20	-	-	11	70	2.79
1986 OCT 02	-	-	3	76	31.31
1987 MAR 30	-	-	19	78	19.76
1987 AUG 03	CHILDREN >5 YEARS & ADULTS M.	N-JUTLAND 1	4	30	19.89
1987 AUG 16	-	-	5	55	24.39
1987 AUG 24	-	E-JUTLAND 2	5	18	15.35
1987 AUG 23	-	-	39	30	13.78
1987 AUG 06	-	-	6	47	18.85
1987 SEP 01	-	-	4	62	16.72
-	-	-	5	64	17.62
1987 AUG 01	-	-	3	71	15.54
1987 SEP 03	-	S-JUTLAND 4	3	27	15.92
1987 AUG 21	-	ZEALAND 6	7	17	13.90
1987 AUG 23	-	-	19	28	17.71
1986 NOV 17	-	-	6	31	28.55
1987 AUG 29	-	-	25	32	25.95
1987 MAR 20	-	-	16	32	8.41
1987 AUG 22	-	-	9	33	34.59
1987 MAR 18	-	-	34	35	32.92
1987 AUG 10	-	-	3	36	44.75
1987 AUG 22	-	-	12	39	18.57
1986 NOV 27	-	-	15	41	18.20
1987 AUG 21	-	-	5	43	24.17
1986 OCT 21	-	-	23	44	53.76
1986 OCT 01	-	-	11	45	14.28
1986 NOV 27	-	-	8	49	24.14
1987 AUG 28	-	-	8	58	20.18
1986 OCT 16	-	-	25	59	17.97
1986 OCT 15	-	-	4	61	24.04
1986 OCT 20	-	-	20	72	14.55
1987 AUG 31	-	-	37	73	19.82
1986 OCT 15	-	-	27	77	19.99
1987 AUG 13	-	-	11	80	27.19

F: FEMALE
M: MALE

V. 1.1.

MOTHER'S MILK COLLECTED AT SJÆLAND

DATE	: 1986 NOV
SPECIES	: HUMAN MILK
LOCATION	: ROSKILDE
UNIT	: BQ/L

ISOTOP	SD %	RESULTS
137-CS	9	0.64
134/137	13	0.52

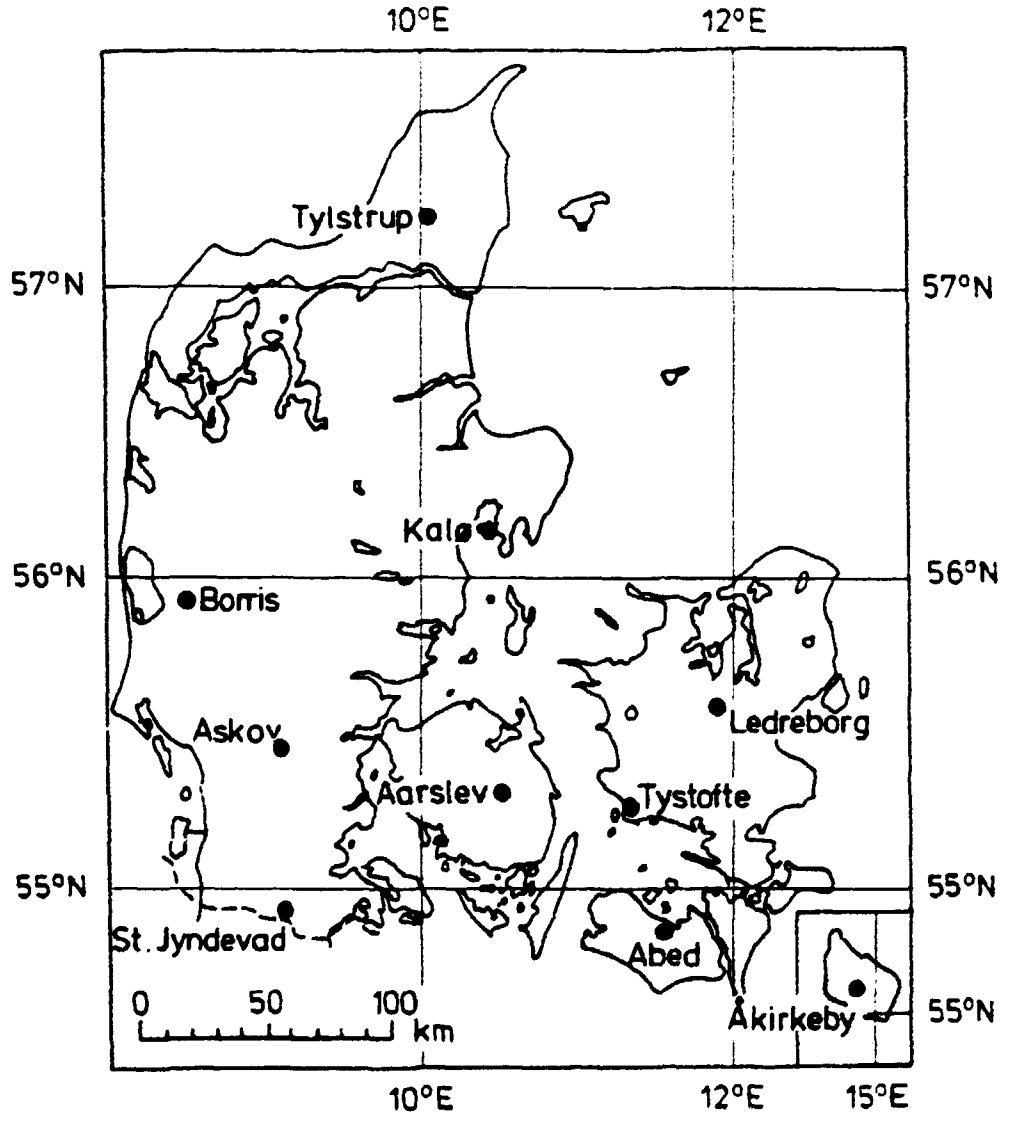

Fig. 1. State experimental farms in Denmark (Notice: Kalø in East-Jutland replaced Ødum in 1986; Aarslev in Funen replaced Blangstedgaard in 1985; Borris in West Jutland replaced Studsgaard in 1979; Åkirkeby <=> Tornbygaard). The State experimental farms are used for sampling of precipitation, soil, grain, potatoes, grass, whole milk, and fodder.

Fig. 1. Statens forsøgsgårde i Danmark (Bemærk: Kalø i Østjylland erstatter Ødum i 1986; Aarslev på Fyn erstatter Blangstedgaard i 1985; Borris i Vestjylland erstatter Studsgaard i 1979; Åkirkeby <=> Tornbygaard). Statens forsøgsgårde er benyttet til indsamling af nedbør, jord, korn, kartofler, græs, nymalket mælk og foder.

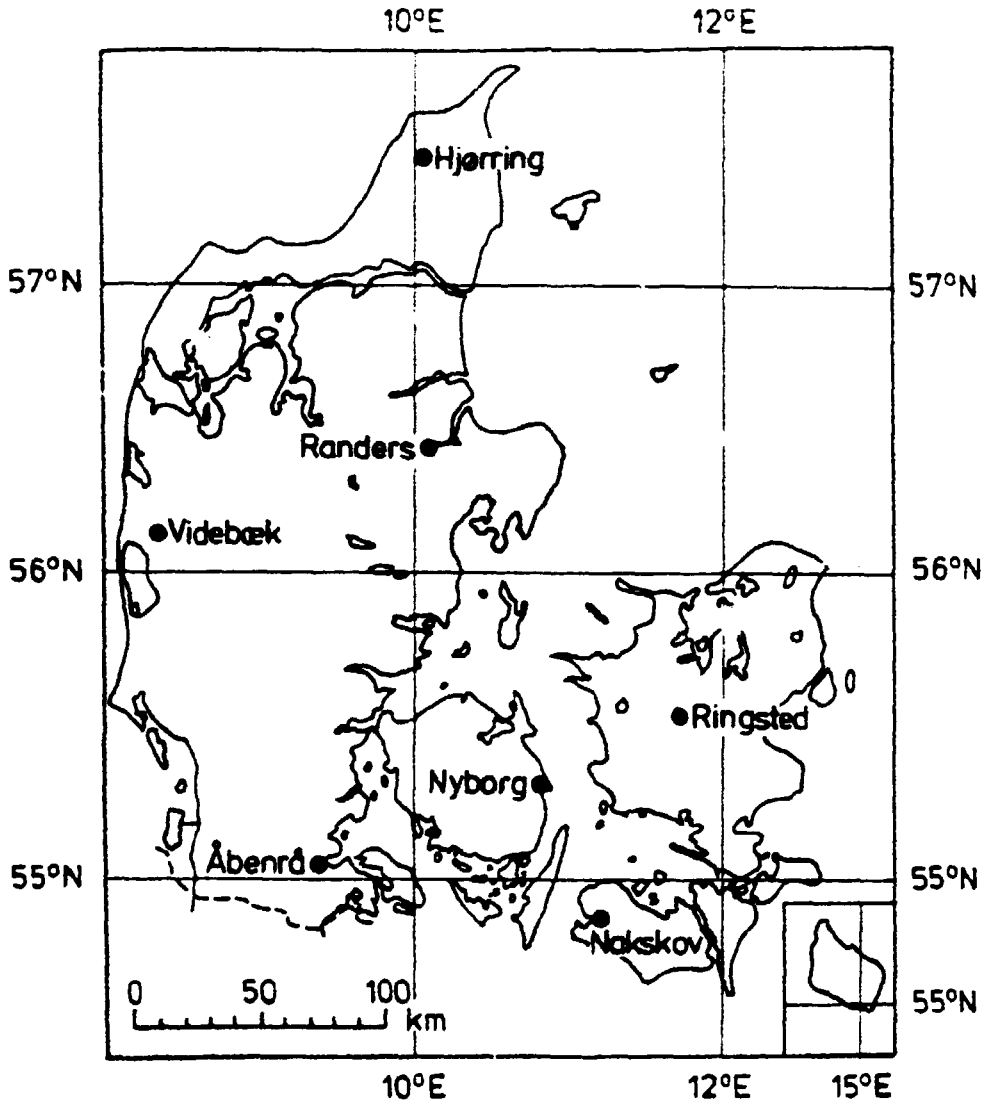

Fig. 2. Dried milk factories in Denmark (when dried milk is not produced, samples of fresh milk replace the dried milk).

Fig. 2. Tørmælksfabrikker i Danmark (når tørmælk ikke er produceret vil prøver af frisk mælk erstatte tørmælken.

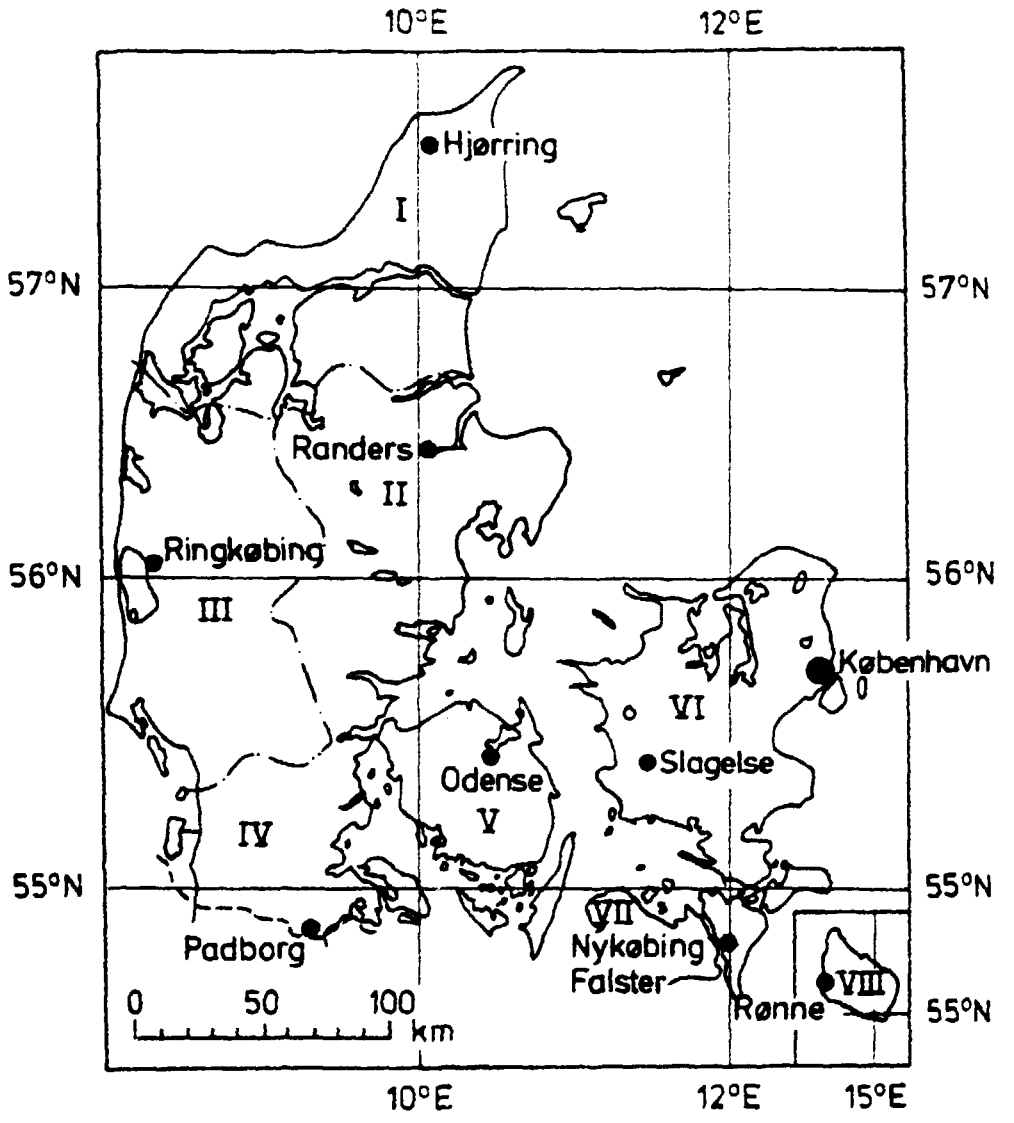

Fig. 3. Towns in the 8 zones (+ Copenhagen) in Denmark used for total diet, bread, milk, meat, fruits and vegetables. The towns have been used since 1973.
I: North-Jutland; II: East-Jutland; III: West-Jutland; IV: South-Jutland; V: Funen; VI: Zealand; VII: Lolland-Falster; VIII: Bornholm.

Fig. 3. Byer i de 8 zoner (landsdele) (+ København) i Danmark benyttet ved indsamling af total kost, brød, mælk, kød, frugt og grøntsager. Byerne er blevet brugt siden 1973.
I: Nordjylland; II: Østjylland; III: Vestjylland; IV: Sydjylland; V: Fyn; VI: Sjælland; VII: Lolland-Falster; VIII: Bornholm.

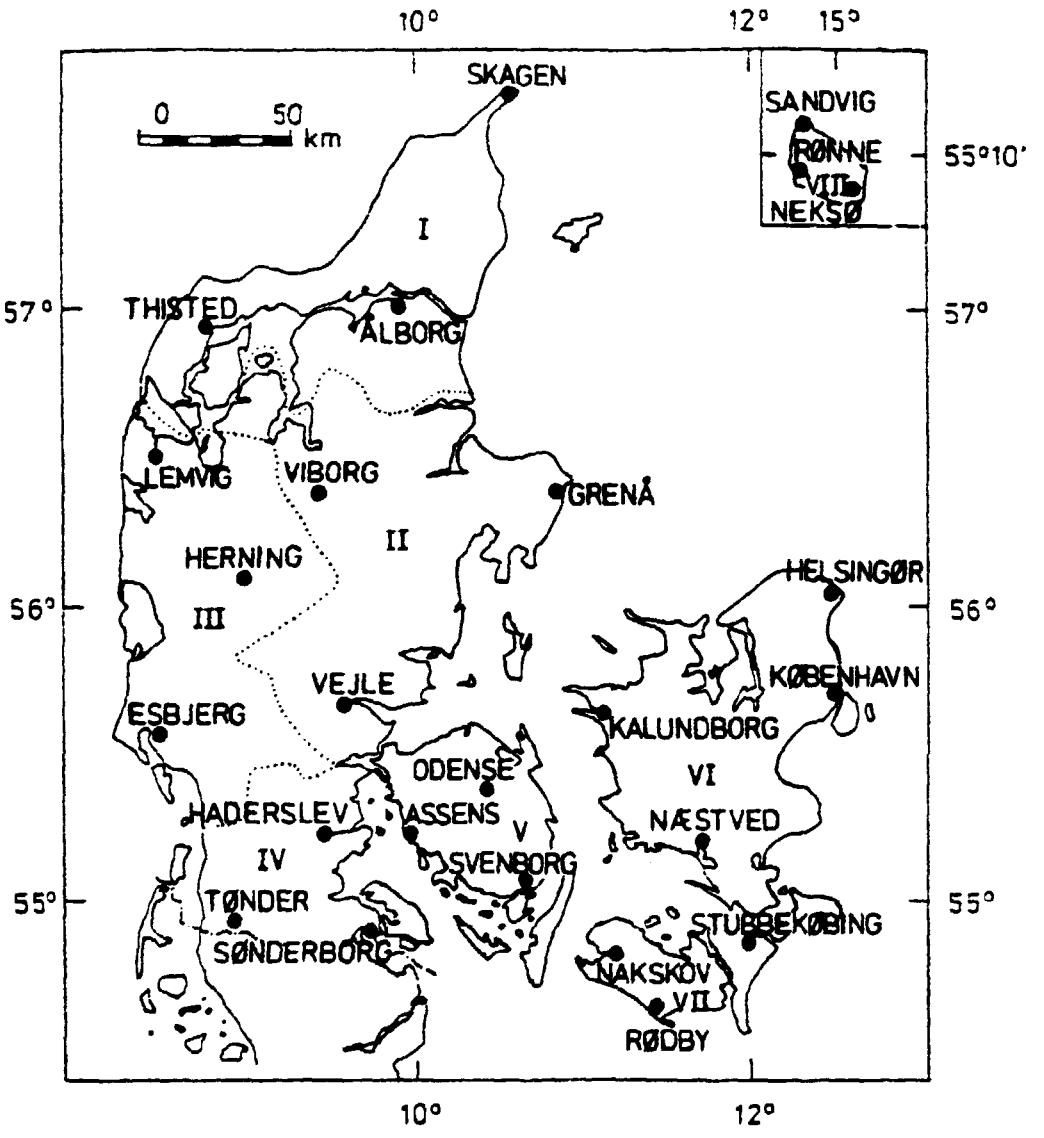

Fig. 4. "A"-towns in the 8 zones in Denmark used for diet, bread and milk sampling (these towns were used in 1961-1972 and in 1986).
I: North-Jutland; II: East-Jutland; III: West-Jutland; IV: South-Jutland; V: Fynen; VI: Zealand; VII: Lolland-Falster; VIII: Bornholm.

Fig. 4. "A"-byer i de 8 zoner i Danmark benyttet ved indsamling af kost, brød og mælk (disse byer blev brugt i 1962-1972 og har ekstraordinært atter været benyttet i Sept. & Dec. 1986.
I: Nordjylland; II: Østjylland; III: Vestjylland; IV: Sydjylland; V: Fyn; VI: Sjælland; VII: Lolland-Falster; VIII: Bornholm.

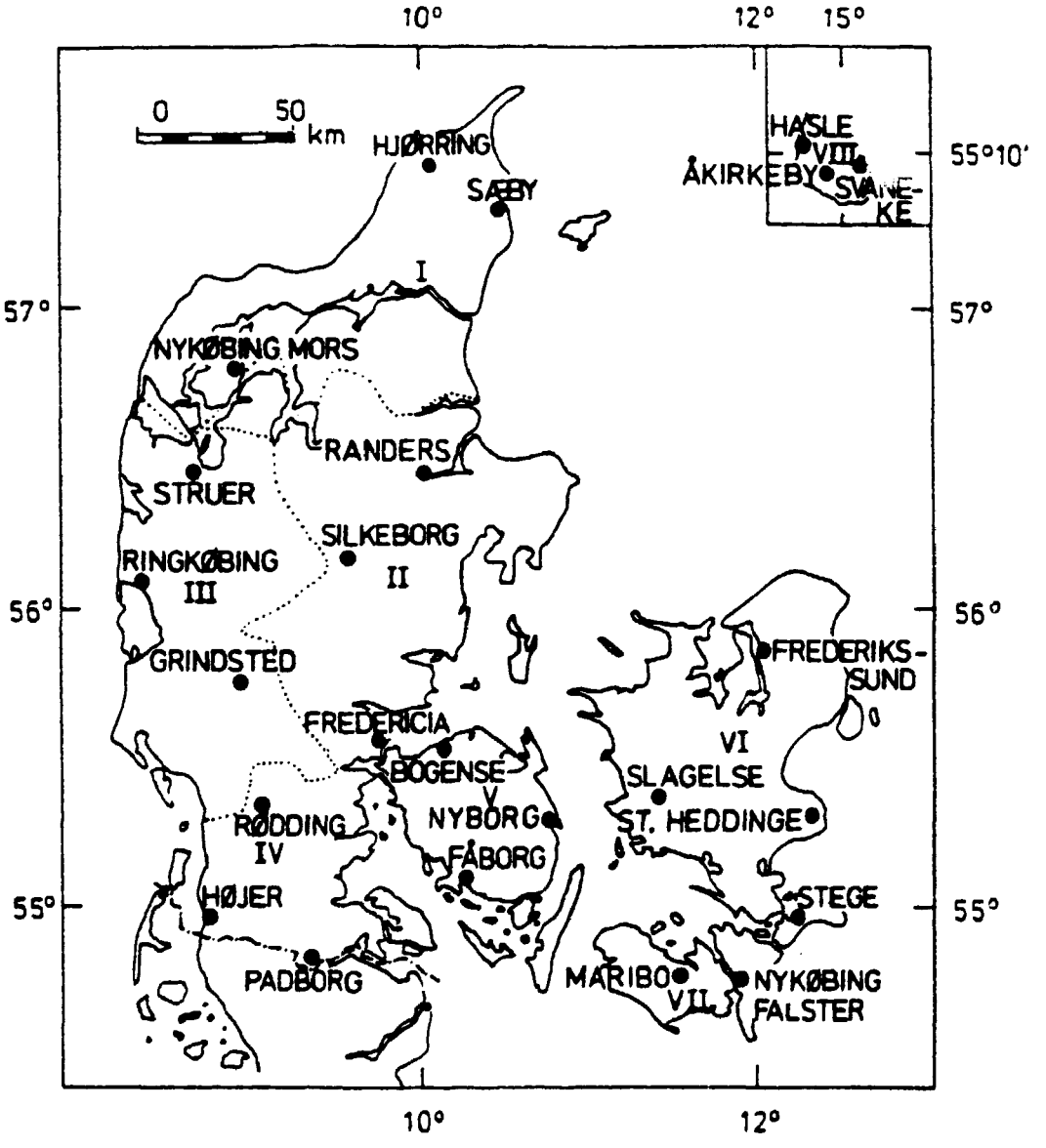

Fig. 5. "B"-towns in the 9 zones in Denmark used for diet, bread and milk sampling (these towns were used in 1961-1972 and in 1986).

Fig. 5. "B"-byer i de 8 zoner i Danmark benyttet til indsamling af kost, brød og mælk (disse byer blev brugt i 1961-1972 og ekstraordinært i 1986).

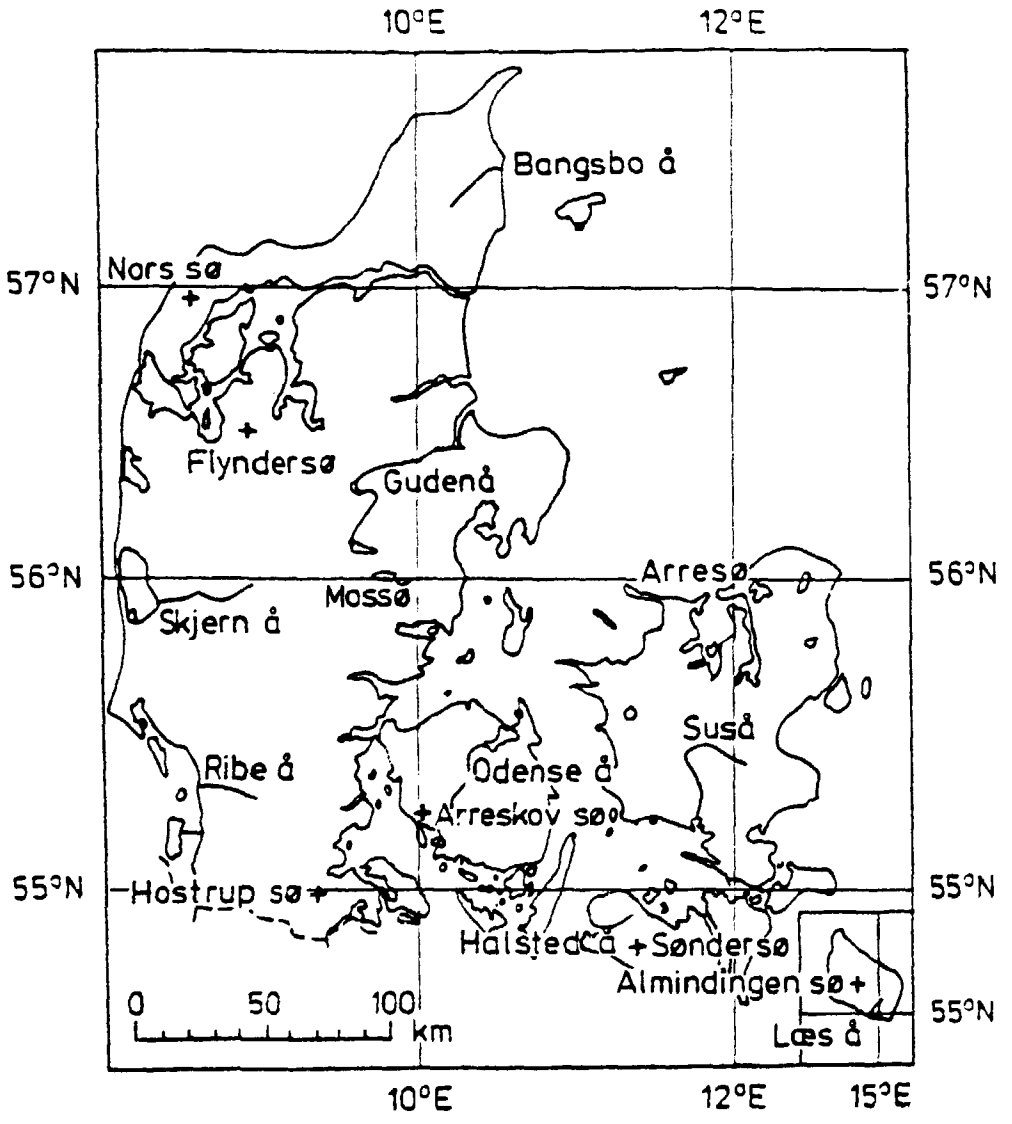

Fig. 6. Sample locations for stream- and lakewater in Denmark.

Fig. 6. Prøvesteder for å- og søvand i Danmark.

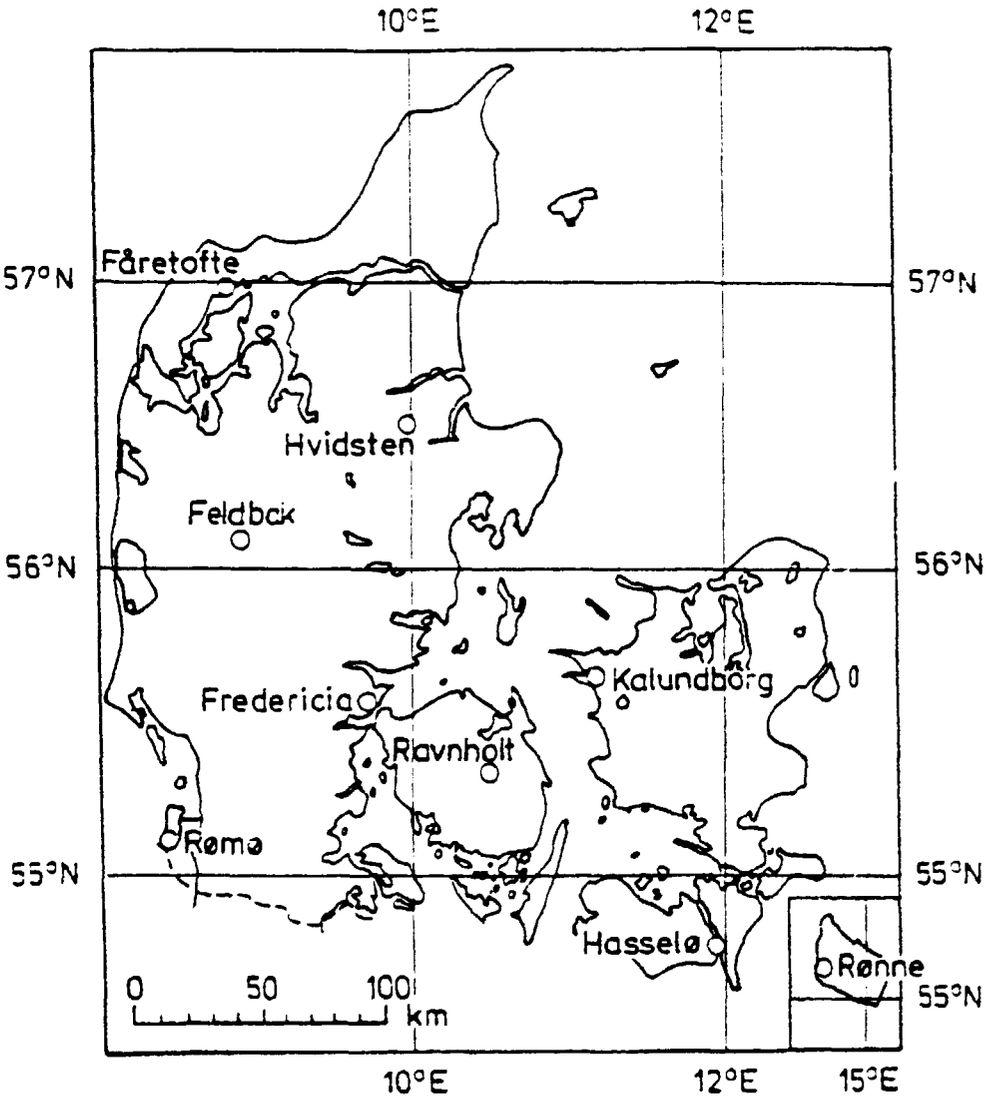

Fig. 7. Sample locations for ground water in Denmark.

Fig. 7. Prøvesteder for grundvand i Danmark.

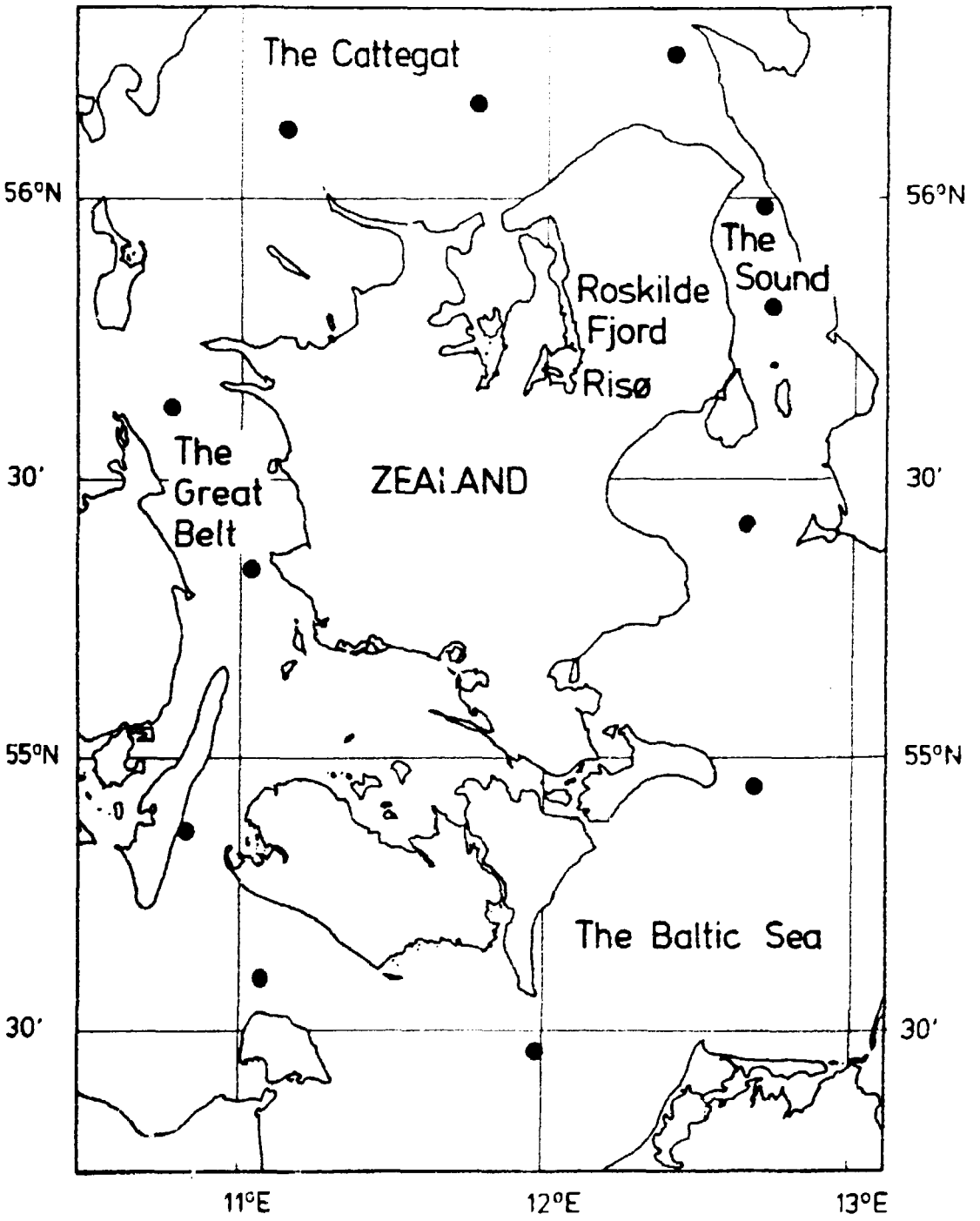

Fig. 8. Sample locations for seawater in the Danish Straits.

Fig. 8. Prøvesteder for havvand i de Danske stræder.

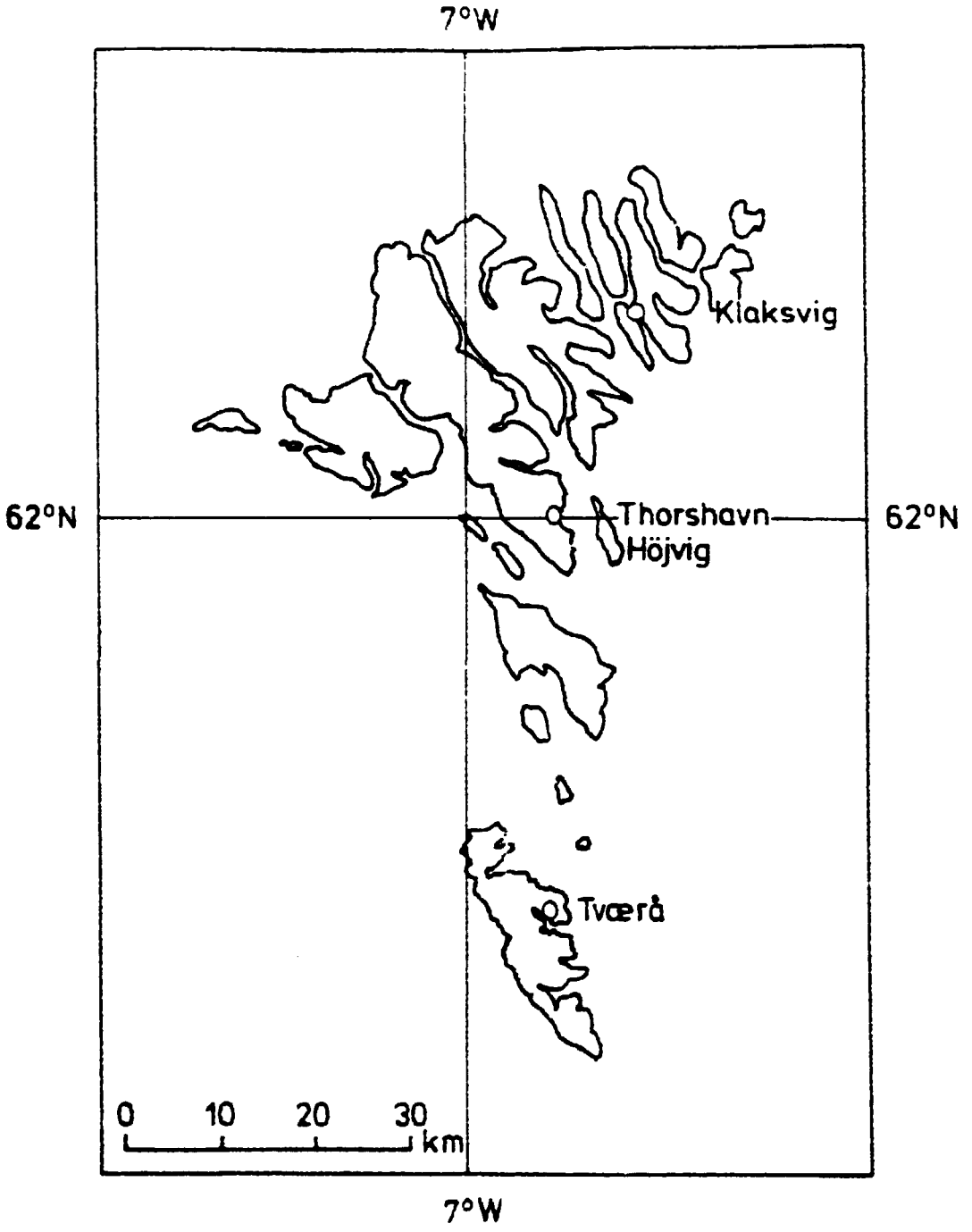

Fig. 9. The Faroe Islands.

Fig. 9. Færøerne.

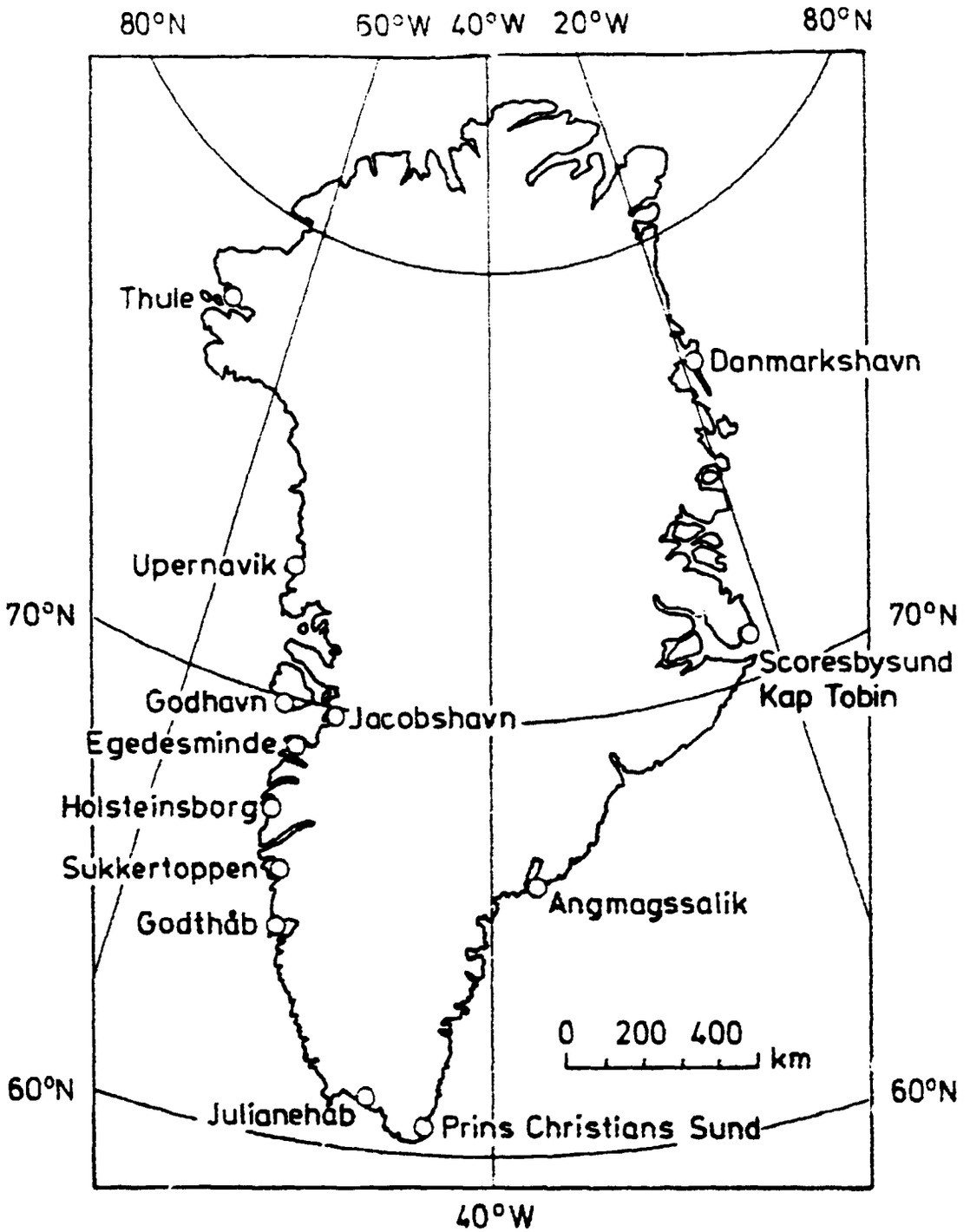

Fig. 10. Greenland

Fig. 10. Grønland

Riso National Laboratory **Riso – M** – 2692 (app.2)

Title and author(s)

Final report of the Risø monitoring programme after the Chernobyl accident for the period Oct 1, 1986 - Sept 30, 1987.

APPENDIX 2: CHERNOBYL MONITORING DATA COMPILED

A. Aarkrog, S.P. Nielsen, H. Dahlgaard, B. Lauridsen og J. Søgaard-Hansen

Date January 1988

Department or group Health Physics

Groups own registration number(s) 403 37

Project/contract no. 87 M86-6888-3

Pages 112 Tables 95 Illustrations 10 References

ISBN 87-550-1400-3 (kpl.)

Abstract (Max. 2000 char.)

This appendix contains the detailed results of the Chernobyl monitoring programme carried out by Risø from Oct 1, 1986 to Sept 30, 1987.

Descriptors – INIS

AMERICIUM 241; CESIUM 134; CESIUM 137; CHERNOBYLSK-4 REACTOR; CURIUM 242; DANISH ORGANIZATIONS; DATA COMPILATION; DENMARK; DIET; DOSE COMMITMENTS; ENVIRONMENTAL MATERIALS; MONITORING; PLUTONIUM 239; PLUTONIUM 240; RADIOECOLOGICAL CONCENTRATION; REACTOR ACCIDENTS; RISOE NATIONAL LABORATORY; TRANSFRONTIER CONTAMINATION; WHOLE-BODY COUNTING

Available on request from Risø Library, Risø National Laboratory, (Risø Bibliotek, Forskningscenter Risø), P.O. Box 49, DK-4000 Roskilde, Denmark. Telephone 02 37 12 12, ext. 2262. Telex: 43116, Telefax: 02 36 06 09

Rekvireres fra
Risø Bibliotek
Forskningscenter Risø, postboks 49,
4000 Roskilde.
Telefon 02 37 12 12, lokal 2262
Telex 43116, Telefax 02 36 06 09

ISBN 87-550-1400-3 (kpl.)
ISSN 0418-6435