

再処理工場事前環境監視結果 II統計値

Assembly of Data on Preoperational Environmental Monitoring
at PNC Tokai-Works. Part II Statistics.

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動力炉・核燃料開発事業団

東海事業所

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再処理工場事前環境監視結果 II 統計値

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平 山 昭 生※
岸 本 洋 一 郎※
成 田 脩※

- 期 間 1965年4月～1977年3月
- 目 的 再処理工場操業事前環境放射能（線）モニタリング結果のまとめのうち、統計値関係についてまとめた。
- 要 旨 再処理工場事前環境モニタリングとして、昭和46年4月から、昭和52年3月（一部4月）までに、東海事業所（動力炉・核燃料開発事業団）安全管理部環境安全課（昭和49年4月以前は、安全対策課環境係、昭和48年4月以前は、安全環理課測定系）において、計画・採取された、環境試料中放射能濃度（環境中放射線量）の測定結果を整理し、各項目ごとに算出された、統計値を一覧表にまとめた。

ま え が き

昭和46年4月から開始された、再処理工場事前環境モニタリング計画によって、環境試料の採取、試料中放射性物質濃度測定が行なわれてから、計画の変遷はあったが、昭和52年3月、ウラン試験終了により、一応事前環境モニタリングに一区切がつくまでの期間において、東海事業所周辺（敷地内も含）を対象にして集積された、環境試料中放射能濃度、環境中放射線量のデータ整理を行なった。

その一環として、各項目の測定値の特性を調べるため統計処理を行ない、各統計値を一覧表にまとめ、今後のモニタリング結果の参考とすることを目的として、本編を作成した。

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	全測定値	平常値	事前環境参考値
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	S B A	S B U	S P E M
3) Radionuclide Concentration in Crop	1-13	2-13	3-13
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APPENDIX

1. 全測定値の統計値

STATISTICS BASED ON ALL THE DATA
(SBA)

1-1 Terrestrial Gamma Exposure Rate Observed with Monitoring-Station

1-2 Terrestrial Gamma Exposure Rate Observed with Monitoring-Post

SN843-77-10

1-1 モニタリングステーション空間線量率

1-2 モニタリングポスト空間線量率

MONITORING SYSTEM モニタリング系 MONITORING STATION モニタリングステーション MONITORING POST モニタリングポスト	DIMENSION 単位	AVERAGING TIME 平均化時間	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
ALL THE POST	$\mu R/hr$	1 hr	1975.5 ~1977.3	15105	5.5	18.9	(7.0)	(1.21)	LOG-NORMAL	(127)	60 (0.4)
							7.3	1.0	(NORMAL)	10.3	150 (1.0)
	$\mu R/hr$	1 day	1975.5 ~1977.3	730	6.02	15.4	(7.0)	(1.17)	LOG-NORMAL	(11.2)	5 (0.7)
							7.3	0.8	(NORMAL)	9.7	8 (1.1)
	$\mu R/hr$	1 month	1975.5 ~1977.3	24	6.7	8.9	(7.0)	(1.10)	LOG-NORMAL	(9.3)	0
							7.3	0.5	(NORMAL)	8.8	1 (4.2)
	$\mu R/hr$	3 months	1975.5 ~1977.3	7	6.7	8.2	(7.0)	(1.09)	LOG-NORMAL	(9.0)	0
							7.3	0.5	(NORMAL)	8.8	
ALL THE STATION	$\mu R/hr$	1 hr	1975.5 ~1977.3	17204	27	8.5	(3.9)	(1.23)	LOG-NORMAL	(7.3)	10 (<0.1)
							4.2	0.5	(NORMAL)	5.7	150 (0.9)
	$\mu R/hr$	1 day	1975.5 ~1977.3	731	33	6.7	(3.9)	(1.18)	LOG-NORMAL	(6.4)	1 (0.1)
							4.2	0.4	(NORMAL)	5.4	6 (0.8)
	$\mu R/hr$	1 month	1975.5 ~1977.3	24	3.8	5.2	(3.9)	(1.15)	LOG-NORMAL	(6.0)	0
							4.2	0.4	(NORMAL)	5.4	
	$\mu R/hr$	3 months	1975.5 ~1977.3	8	3.9	4.8	(3.9)	(1.13)	LOG-NORMAL	(5.6)	0
							4.2	0.3	(NORMAL)	5.1	

2 積算線量

EVALUATING TERM 評価項目	DIMENSION 単位	EVALUATING AREA 評価地域	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
1. MEASURED (測定値)	mrem/3months	ON-SITE 敷地内	197310 ~19773	213	11.4	23.2	16.4	2.3	NORMAL	23.3	0
2. NET DOSE (正味線量)	mrem/3months	ON-SITE 敷地内	197310 ~19773	213	5.0	14.0	9.3	1.9	NORMAL	15.0	0
3. MEASURED (測定値)	mrem/3months	OFF-SITE 敷地外	197310 ~19773	312	11.0	22.2	16.0	1.9	NORMAL	21.4	1(0.3)
4. NET DOSE (正味線量)	mrem/3months	OFF-SITE 敷地外	197310 ~19773	312	4.0	15.0	9.0	2.0	NORMAL	15.0	0
5. MEASURED (測定値)	mrem/3months	ON AND OFF -SITE敷地内外	197310 ~19773	511	11.0	23.2	16.0	2.2	NORMAL	22.6	1(0.2)
6. NET DOSE (正味線量)	mrem/3months	ON AND OFF -SITE敷地内外	197310 ~19773	511	4.0	15.0	9.0	2.1	NORMAL	15.3	0
7. MEASURED (測定値)	mrem/3months	ON BOAT (モニタリング・船上)	197310 ~19773	46	8.3	13.2	10.0	1.2	NORMAL	13.6	0
8. NET DOSE (正味線量)	mrem/3months	ON BOAT (モニタリング・船上)	197310 ~19773	46	0.0	6.0	3.0	1.5	NORMAL	7.5	0
9. CONTROL VALUE (自己汚染分)	mrem/3months	CONTROL (自己汚染)	197310 ~19773	13	5.9	8.5	7.0	0.7	NORMAL	9.1	0
10. CONTROL VALUE (自己汚染分)	mrem/3months	CONTROL (自己汚染)	197310 ~19773	13	6.0	9.0	7.1	0.9	NORMAL	10.0	0

AVERAGING TIME 平均化時間	DIMENSION 單位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件數	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$	LOG-NORMAL	NORMAL etc.		
3 months	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	73	1.0	145.0	9.0	21.0	2GROUP (NORMAL)	720	1 (1.4)
	$\times 10^{-15} \mu Ci / cm^3$	^{90}Sr	1974.10 ~1977.3	72	0.1	23.4	0.53	0.41	2GROUP (NORMAL)	176	2 (2.8)
	$\times 10^{-15} \mu Ci / cm^3$	^{137}Cs	1974.10 ~1977.3	72	0.02	1.8	0.45	0.42	3GROUP (NORMAL)	171	1 (1.4)
	$\times 10^{-18} \mu Ci / cm^3$	^{239}Pu - ^{240}Pu	1974.10 ~1977.3	72	1.1	21.7	(5.0) 7.3	(2.0) 5.2	2GROUP (LOG-NORMAL)	(40.0) 229	0
	$\times 10^{-16} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	73	0.4	3.7	1.25	0.62	NORMAL	56	0
	$\times 10^{-15} \mu Ci / cm^3$	^{95}Zr	1974.10 ~1977.3	15	0.53	97.8	136	25.4	* *	—	—
	$\times 10^{-15} \mu Ci / cm^3$	^{95}Nb	1974.10 ~1977.3	15	1.0	113.1	162	29.4	* *	—	—
1 week	$\times 10^{-15} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	900	0.0	11.1	(0.90) 1.3	(2.20) 1.1	LOG-NORMAL (NORMAL)	(9.8) 45	1 (0.1) 15 (1.7)
	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	900	0.0	1683.3	(2.5) 9.3	(4.0) 68.2	LOG-NORMAL	(162.4) 214.0	36 (0.4) 36 (0.4)
1 month	$\times 10^{-15} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	216	0.2	5.3	(0.95) 1.3	(1.79) 0.7	LOG-NORMAL (NORMAL)	(5.4) 3.4	0 3 (1.4)
	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	216	0.5	451.8	(2.5) 9.5	(4.0) 38.5	LOG-NORMAL	(160.) 124.9	3 (1.4) 3 (1.4)

3-3 Gaseous BETA Radioactive Concentration in Atmosphere

3-3 大気中β放射性ガス濃度

	DIMENSION 単位	AVERAGING TIME 平均化時間	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	cpm	1 hr	1975.4 ~1977.3	14822	81.0	134.0	98.3	9.4	LOG-NORMAL NORMAL	126.9	15 (0.1)
	cpm	1 day	1975.4 ~1977.3	640	83.8	121.6	98.4	7.7	LOG-NORMAL NORMAL	121.5	1 (<0.1)
	cpm	1 month	1975.4 ~1977.3	21	87.7	110.3	98.4	6.7	LOG-NORMAL NORMAL	118.1	0
	cpm	3 months	1975.4 ~1977.3	7	88.8	105.5	98.4	6.3	LOG-NORMAL NORMAL	117.3	0

4. Radionuclide Concentration in Fall-Out Material

4. 降下塵中放射性物質濃度

SPECIES 測定対象	DIMENSION 単 位	NUCLIDE 核 種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件 数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
ALL	mCi/Km ²	Gross β	19715 ~19774	70	0.11	153	(1.1)	(4.4)	LOG-NORMAL	(93.7)	0
							2.57	3.54		14.2	1(1.4)
SPECIAL	mCi/Km ²	Gross β	19715 ~19774	24	0.73	153	(3.4)	(2.8)	LOG-NORMAL (NORMAL)	74.6	0
							5.18	(4.34)		20.5	

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$				
							$\mu_a - \sigma_a$		NORMAL etc.		
ALL	pCi/l	Gross β	19745 ~1977.4	107	0.1	223.2	(12.0)	(2.5)	LOG-NORMAL	(187.5)	1 (0.9)
							20.1	29.5		108.0	2 (1.9)
SPECIAL	pCi/l	Gross β	19745 ~1977.4	57	10.2	223.2	(22.0)	(2.5)	LOG-NORMAL	(352.6)	0
							33.5	35.0		138.5	1 (1.8)
ALL	pCi/l	³ H	19745 ~1977.4	48	0.0	407.0	104.8	112.7	NORMAL	442.9	0

5-2 Radionuclide Concentration in River Water

5-2 河川水中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)	LOG-NORMAL	$\mu_a + 3\sigma_a$		
							$\mu_a + \sigma_a$			NORMAL etc.	
ALL	pCi/l	Gross β	1971.4 ~1977.4	159	0.0	16.0	(3.5)	(1.9)	LOG-NORMAL	(24.0)	0
							4.2	3.0		13.2	3 (39)
ALL	pCi/l	3H	1971.4 ~1977.4	15	0.0	270.0	165.0	80.6	NORMAL	406.8	0
(GAS FLOW)	pCi/l	Gross β	1971.4 ~1977.4	37	0.0	6.3	2.8	1.2	NORMAL	6.4	0
(GM)	pCi/l	Gross β	1971.4 ~1977.4	122	0.0	16.0	4.6	3.20	NORMAL	14.2	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$				
							$\mu_a \pm \sigma_a$		NORMAL etc.		
Tap Water (Gas flow)	pCi / ℓ	Gross β	197.52 ~1977.1	26	1.10	3.10	1.80	0.54	NORMAL	3.4	0
Tap Water+Pond Water (Gas flow)	pCi / ℓ	Gross β	197.52 ~1977.1	35	0.80	3.40	1.90	0.60	NORMAL	3.7	0
Tap Water (GM)	pCi / ℓ	Gross β	197.36 ~1975.1	18	0.0	5.4	1.60	2.00	NORMAL	7.6	0
Well Water (NAGASUNA)	pCi / ℓ	Gross β	197.44 ~1977.1	23	4.0	33.6	18.6	8.0	NORMAL	42.6	0
ALL	pCi / ℓ	Gross β	197.36 ~1977.1	79	0.0	33.6	6.7	8.8	LOG-NORMAL	33.1	1 (1.3)
ALL	pCi / ℓ	³ H	197.58 ~1977.1	17	0.0	26.00	11.88	8.60	NORMAL	37.70	0

SPECIEC 測定対象	DIMENSION 単位	NUCKIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値					
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g dry	Gross β	197.14 ~197.73	141	24	18.9	1.27	33	NORMAL	2.16	0
	pCi/Kg dry	^{90}Sr	197.14 ~197.73	74	0.52	145.10	33.80	280.0	NORMAL	117.80	1(1.4)
	pCi/Kg dry	^{137}Cs	197.14 ~197.73	44	3.30	227.00	58.54	580.1	2GROUP	232.57	0
	pCi/Kg dry	$^{239,240}\text{Pu}$	197.14 ~197.73	58	0.2	4.90	1.41	1.25	(LOG-NORMAL) 2GROUP	5.16	0

SPECIES 測定対象	DIMENSION	NUCLIDE	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値								
							MEAN $(\mu g) \times (\sigma g)$ $\mu_a + \sigma_a$	STANDARD DEVIATION σ_a	TYPE OF DISTRIBUTION LOG-NORMAL NORMAL etc.	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)				
	pCi/g dry	Gross β	1971.4 ~1964	100	3.2	25.7	15.5	3.2	NORMAL	25.1	1 (1)				

7-1 Radionuclide Concentration in Vegetation

7-1 野菜中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/K _{wet}	Gross β	1973.7 ~1977.3	41	0.8	8.09	(230) 286	(1.65) 1.41	LOG-NORMAL	(10.4) 7.09	0 3(7.5)
	pCi/K _{wet}	⁹⁰ Sr	1973.7 ~1977.3	37	5.1	65.0	20.7	12.8	NORMAL	59.1	1(27)
	pCi/K _{wet}	¹³⁷ Cs	1973.7 ~1977.3	21	0.0	10.9	26.4	3.3	* *	125.4	2(9.5)
	$\times 10^{-3}$ pCi/K _{wet}	²³⁹⁻²⁴⁰ Pu	1973.7 ~1977.3	32	0.0	160.0	(8.4) 15.9	(2.7) 30.1	NORMAL	(161.4) 106.2	0 1(3.2)

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1973.7 ~1976.10	15	0.072	10.3	4.71	2.2	NORMAL	11.3	0
	pCi/kg wet	⁹⁰ Sr	1973.7 ~1976.10	13	246	83.7	31.2	21.2	NORMAL	94.8	0
	pCi/kg wet	¹³⁷ Cs	1973.7 ~1976.10	6	0.0	10.5	3.39	5.25	* *	19.14	1 (16.7)
	$\times 10^{-3}$ pCi/kg wet	²³⁹ · ²⁴⁰ Pu	1973.7 ~1976.10	13	5.4	437.0	121.4	138.5	* *	536.0	0
	pCi/kg wet	¹³¹ I	1973.7 ~1976.10	6	0.0	10.0	3.0	5.0	NORMAL	18.0	0

7-3 Radionuclide Concentration in Crop

7-3 米・麦中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1973.7 ~1976.10	18	0.3	6.1	2.5	1.7	NORMAL	7.6	0
	pCi/Kg wet	⁹⁰ Sr	1973.7 ~1976.10	14	0.35	20.6	6.92	6.30	NORMAL	25.8	0
	pCi/Kg wet	¹³⁷ Cs	1973.7 ~1976.10	6	0.0	30.0	9.78	11.04	NORMAL	42.9	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹ · ²⁴⁰ Pu	1973.7 ~1976.10	6	0.0	50.0	13.07	19.49	NORMAL	71.5	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/ml	Gross β	1974.1 ~1977.4	34	0.4	1.9	1.2	0.32	NORMAL	216	0
	pCi/l	^{90}Sr	1974.1 ~1977.4	31	0.3	12.8	3.7	2.9	2GROUP (NORMAL)	124	1(3.2)
	pCi/l	^{137}Cs	1974.1 ~1977.4	14	0.0	8.3	4.6	3.3	NORMAL	14.5	0
	$\times 10^{-3}$ pCi/l	$^{239, 240}\text{Pu}$	1974.1 ~1977.4	10	0.0	10.0	5.0	5.5	NORMAL	21.5	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/l	Gross β	1971.4 ~1977.1	142	0.1	3.9	1.50	0.76	NORMAL	3.8	2(1.4)
	pCi/l	^{90}Sr	1971.4 ~1977.1	27	0.14	0.48	0.31	0.11	NORMAL	0.64	0
	pCi/l	^{95}Zr	1971.4 ~1977.1	24	0.0	0.18	0.04	0.056	* *	0.21	0
	pCi/l	^{95}Nb	1971.4 ~1977.1	24	0.0	0.18	0.046	0.042	NORMAL	0.17	1(4.2)
	pCi/l	^{106}Ru	1971.4 ~1977.1	27	0.0	0.1	0.043	0.026	* *	0.12	0
	pCi/l	^{137}Cs	1971.4 ~1977.1	27	0.02	0.31	0.20	0.074	NORMAL	0.42	0
	pCi/l	^{144}Ce	1971.4 ~1977.1	27	0.0	0.13	0.046	0.04	NORMAL	0.17	0
	$\times 10^3$ pCi/l	$^{239, 240}\text{Pu}$	1971.4 ~1977.1	40	0.0	12.0	271	312	2GROUP	121	0
	pCi/l	^3H	1971.4 ~1977.1	68	0.0	420.0	75.0	85.4	NORMAL	331.2	1(1.5)

SPECIES 測定対象	DIMENTION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/l	Gross β	197.16 ~1976.3	140	0.0	294	1.2	0.6	NORMAL	3.0	0
	pCi/l	⁹⁰ Sr	197.16 ~1976.3	109	0.13	20	0.31	0.20	NORMAL (2GROUP)	0.91	1(0.9)
	pCi/l	⁹⁵ Zr	197.16 ~1976.3	82	0.0	0.34	0.07	0.07	2GROUP (NORMAL)	0.28	1(1.2)
	pCi/l	⁹⁵ Nb	197.16 ~1976.3	82	0.0	1.7	0.12	0.21	2GROUP (NORMAL)	0.75	1(1.2)
	pCi/l	¹⁰⁶ Ru	197.16 ~1976.3	110	0.0	0.24	0.048	0.048	2GROUP (NORMAL)	0.192	2(1.8)
	pCi/l	¹³⁷ Cs	197.16 ~1976.3	99	0.02	1.06	0.28	0.16	NORMAL	0.76	0
	pCi/l	¹⁴⁴ Ce	197.16 ~1976.3	104	0.0	0.28	0.044	0.056	* *	0.212	3(2.9)
	$\times 10^{-3}$ pCi/l	²³⁹⁻²⁴⁰ Pu	197.16 ~1976.3	64	0.0	1.70	0.65	0.38	NORMAL	1.79	0
	pCi/l	³ H	197.16 ~1976.3	79	0.0	3560	765	829	NORMAL	325.0	4(5.1)

9. Radionuclide Concentration in Sea Sediment

9. 海底土中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$ (99.7%)	
	pCi/g dry	Gross β	1971.7 ~1977.4	261	6.0	33.2	(135) 14.3	(1.26) 3.5	LOG-NORMAL	(27.0) 24.8	1(0.4) 2(0.77)
	pCi/Kg dry	⁹⁰ Sr	1971.7 ~1977.4	148	0.04	2.44	(4.0) 4.8	(2.0) 3.3	NORMAL (LOG-NORMAL)	(3.20) 14.7	0 2(1.5)
	pCi/Kg dry	⁹⁵ Zr	1971.7 ~1977.4	56	0.0	210.0	(6.0) (20.5)	(4.8) 44.7	NORMAL (LOG-NORMAL)	(663.5) 154.6	0 3(6)
	pCi/Kg dry	⁹⁵ Nb	1971.7 ~1977.4	56	0.0	160.0	(6.0) 18.0	(5.2) 33.3	NORMAL (LOG-NORMAL)	(843.6) 117.9	0 1(2)
	pCi/Kg dry	¹⁰⁶ Ru	1971.7 ~1977.4	132	0.0	242.0	(14.0) 24.3	(2.6) 32.9	LOG-NORMAL	(246.1) 123.0	0 6(4.5)
	pCi/Kg dry	¹³⁷ Cs	1971.7 ~1977.4	91	9.0	75.0	(26.0) 30.6	(1.5) 1.28	NORMAL (2GROUP)	(87.8) 69.0	0 2(2.2)
	pCi/Kg dry	¹⁴⁴ Ce	1971.7 ~1977.4	108	8.0	593.0	(60.0) 97.0	(2.3) 109.8	(LOG-NORMAL) 2GROUP	(730.0) 426.4	0 4(3.7)
	pCi/Kg dry	²³⁹⁺²⁴⁰ Pu	1971.7 ~1977.4	144	2.0	64.5	(12.0) 14.5	(1.8) 9.9	LOG-NORMAL 2GROUP	(70.0) 44.2	0 3(2.1)
	$\mu g/g$ dry	U	1971.7 ~1977.4	13	0.5	22	1.2	0.52	NORMAL	27.6	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g dry	Gross β	1976.85 ~1976.819	109	470	201	126	4.0			
	pCi/kg dry	90 Sr	1976.85 ~1976.819	97	0.50	47.6	5.73	6.08			
	pCi/kg dry	106 Ru	1976.85 ~1976.819	105	0.0	45.5	123	7.93			
	pCi/kg dry	137 Cs	1976.85 ~1976.819	66	3.70	1500	5048	28.7			
	pCi/kg dry	144 Ce	1976.85 ~1976.819	105	360	2763	682	48.1			
	pCi/kg dry	$^{239-240}$ Pu	1976.85 ~1976.819	104	5.51	79.7	235	14.5			
	pCi/g dry	40 K	1976.85 ~1976.819	108	460	21.0	10.72	3.17			
	pCi/g dry	212 Pb	1976.85 ~1976.819	108	0.0	2.80	0.37	0.33			
	pCi/g dry	228 Ac	1976.85 ~1976.819	99	0.0	3.80	0.42	0.45			
	pCi/g dry	214 Pb	1976.85 ~1976.819	108	0.0	1.70	0.30	0.24			
	pCi/g dry	U(Natural)	1976.85 ~1976.819	106	0.25	2.24	0.81	0.35			

10. Radionuclide Concentration in Sea-Shore Sand

10. 海岸砂中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g dry	Gross β	19735 ~19773	195	4.02	20.3	12.8	3.32	NORMAL	2.28	0
	pCi/Kg dry	⁹⁰ Sr	19735 ~19773	28	1.3	11.6	4.7	2.6	NORMAL	1.25	0
	pCi/Kg dry	⁹⁵ Zr	19735 ~19773	39	0.0	50.0	9.7	12.8	NORMAL	47.9	1(25)
	pCi/Kg dry	⁹⁵ Nb	19735 ~19773	41	0.0	64.0	5.1	11.3	NORMAL	48.1	1(25)
	pCi/Kg dry	¹⁰⁶ Ru	19735 ~19773	30	0.0	28.9	6.9	8.2	NORMAL	31.5	0
	pCi/Kg dry	¹³⁷ Cs	19735 ~19773	46	0.0	51.0	17.7	11.7	NORMAL	52.8	0
	pCi/Kg dry	¹⁴⁴ Ce	19735 ~19773	28	0.0	28.6	10.4	9.1	NORMAL	37.7	0
	pCi/Kg dry	²³⁹⁻²⁴⁰ Pu	19735 ~19773	66	0.35	19.1	(3.3) 4.3	(2.1) 3.9	(LOG-NORMAL)	(30.6) 16.0	0 2(4.2)

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.6 ~1977.2	54	0.2	6.0	2.6	1.1	NORMAL	5.9	1(1.9)
	pCi/Kg wet	⁹⁰ Sr	1971.6 ~1977.2	37	0.08	1.97	0.86	0.52	NORMAL	242	0
	pCi/Kg wet	⁹⁵ Zr	1971.6 ~1977.2	26	0.0	15.8	2.7	4.5	NORMAL	162	0
	pCi/Kg wet	⁹⁵ Nb	1971.6 ~1977.2	26	0.0	7.7	1.4	1.8	NORMAL	68	1(3.8)
	pCi/Kg wet	¹⁰⁶ Ru	1971.6 ~1977.2	38	0.0	2.21	0.37	0.51	NORMAL	1.9	0
	pCi/Kg wet	¹³⁷ Cs	1971.6 ~1977.2	35	4.0	13.9	8.05	24.5	NORMAL	15.4	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.6 ~1977.2	35	0.0	1.6	(0.1)	(4.7)	LOG-NORMAL	(10.4)	0
							0.23	0.43		1.52	1(2.9)
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.6 ~1977.2	25	0.1	371.0	30.2	78.9	2GROUP	2669	1(4)

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	19726 ~1977.2	83	0.11	113	(1.55)	(1.94)	LOG-NORMAL	(113)	0
							2.0	1.8		7.0	2(25)
	pCi/Kg wet	⁹⁰ Sr	19726 ~1977.2	10	249	578	4.51	1.13	NORMAL	8.82	0
	pCi/Kg wet	⁹⁵ Zr	19726 ~1977.2	8	1.7	36.0	13.3	10.2	NORMAL	43.9	0
	pCi/Kg wet	⁹⁵ Nb	19726 ~1977.2	8	0.0	93.3	21.2	35.6	NORMAL	120.0	0
	pCi/Kg wet	¹⁰⁶ Ru	19726 ~1977.2	10	0.0	231	0.54	0.74	NORMAL	27.6	0
	pCi/Kg wet	¹³⁷ Cs	19726 ~1977.2	10	3.9	17.7	7.3	3.8	NORMAL	18.7	0
	pCi/Kg wet	¹⁴⁴ Ce	19726 ~1977.2	10	0.0	1.90	0.57	0.65	NORMAL	1.92	0
	$\times 10^{-1}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	19726 ~1977.2	10	4.0	60.0	30.8	21.5	NORMAL	95.3	0

11-1-3 Radionuclide Concentration in Fish (Flesh of Flat-fish and Whole Body of Sardine etc.)

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11-1-3 成魚中放射性物質濃度 (ヒラメ・カレイ (肉), イワシ (全体), その他)

SPECIES 測定対象	DIMENSION 単 位	NUCLIDE 核 種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件 数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$	LOG-NORMAL			
							$\mu_a + \sigma_a$	NORMAL etc.			
	pCi/g wet	Gross β	1971.6 ~1977.2	96	0.38	11.0	(230) 251	1.43 1.37	LOG-NORMAL NORMAL	(6.79) 6.62	2(21) 2(21)
	pCi/Kg wet	⁹⁰ Sr	1971.6 ~1977.2	54	0.38	36.5	231	5.21	2GROUP	17.9	1(19)
	pCi/Kg wet	⁹⁵ Zr	1971.6 ~1977.2	31	0.55	101.2	5.9	18.2	* *	6.05	1(32)
	pCi/Kg wet	⁹⁵ Nb	1971.6 ~1977.2	31	0.0	11.8	1.90	2.66	NORMAL	9.88	5(16.1)
	pCi/Kg wet	¹⁰⁶ Ru	1971.6 ~1977.2	56	0.0	19.0	1.38	3.24	* *	1.11	3(5.4)
	pCi/Kg wet	¹³⁷ Cs	1971.6 ~1977.2	46	1.36	14.1	7.52	3.06	NORMAL	16.7	1(2.2)
	pCi/Kg wet	¹⁴⁴ Ce	1971.6 ~1977.2	55	0.0	10.23	1.41	2.47	* *	8.67	3(5.5)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.6 ~1977.2	32	4.70	264.3	45.8	88.7	* *	310.6	1(3.1)

11-2 Radionuclide Concentration in Fish (Whole Body of White Bait)

SN843-77-10

11-2 シラス・白魚中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.5 ~1977.3	57	0.25	5.6	2.37	0.94	NORMAL	5.09	1 (1.9)
	pCi/Kg wet	⁹⁰ Sr	1971.5 ~1977.3	43	0.01	6.7	1.08	1.12	2 GROUP	4.44	0
	pCi/Kg wet	⁹⁵ Zr	1971.5 ~1977.3	28	0.0	58.0	5.85	14.2	* *	48.5	1 (3.6)
	pCi/Kg wet	⁹⁵ Nb	1971.5 ~1977.3	28	0.0	10.4	2.4	2.5	NORMAL	9.9	1 (3.6)
	pCi/Kg wet	¹⁰⁶ Ru	1971.5 ~1977.3	45	0.0	6.4	1.0	1.4	2 GROUP	5.2	1 (2.3)
	pCi/Kg wet	¹³⁷ Cs	1971.5 ~1977.3	37	2.5	11.3	5.7	1.86	NORMAL	11.3	1 (2.7)
	pCi/Kg wet	¹⁴⁴ Ce	1971.5 ~1977.3	45	0.0	7.18	1.28	1.64	2 GROUP	6.2	1 (2.2)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.5 ~1977.3	27	0.06	85.3	28.8	2.29	NORMAL	97.5	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1971.10 ~1976.10	49	0.38	11.0	22	1.6	NORMAL	7.0	1(22)
	pCi/Kg wet	⁹⁰ Sr	1971.10 ~1976.10	16	0.38	365	5.65	8.83	* *	3214	1(59)
	pCi/Kg wet	⁹⁵ Zr	1971.10 ~1976.10	5	0.55	101.2	2258	4.40	NORMAL	358	1(20)
	pCi/Kg wet	⁹⁵ Nb	1971.10 ~1976.10	5	0.0	11.8	4.50	4.69	NORMAL	18.6	2(40)
	pCi/Kg wet	¹⁰⁶ Ru	1971.10 ~1976.10	18	0.0	19.0	3.50	5.31	NORMAL	19.4	1(56)
	pCi/Kg wet	¹³⁷ Cs	1971.10 ~1976.10	11	1.36	14.1	5.86	4.21	NORMAL	18.5	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.10 ~1976.10	20	0.0	10.23	3.39	3.14	NORMAL	12.8	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1976.10	7	4.70	264.0	101.7	103.6	NORMAL	412.5	0

11-4-1 Radionuclide Concentration in Brown Algae (Hiziki and Wakame)

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11-4-1 褐藻(ヒジキ・ワカメ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
Hiziki	pCi/g wet	Gross β	1971.12 ~1977.3	25	5.0	19.1	123	34	NORMAL	225	0
Wakame	pCi/g wet	Gross β	1971.10 ~1976.4	19	0.0	8.05	339	237	NORMAL	7.5	0
Hiziki and Wakame	pCi/g wet	Gross β	1971.5 ~1977.3	44	0.0	19.1	847	536	NORMAL	246	0
	pCi/Kg wet	⁹⁰ Sr	1971.5 ~1977.3	31	0.0	9.10	(28) 3.14	(1.64) 1.79	LOG-NORMAL NORMAL	(124) 8.51	0 1(3.2)
	pCi/Kg wet	⁹⁵ Zr	1971.5 ~1977.3	20	0.0	23.0	4.71	5.96	NORMAL	226	1(5.0)
	pCi/Kg wet	⁹⁵ Nb	1971.5 ~1977.3	20	0.0	19.2	4.83	5.34	(NORMAL)	20.9	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.5 ~1977.3	37	0.05	16.5	3.60 4.63	(239) 4.68	LOG-NORMAL	(49.1) 18.9	0 0
	pCi/Kg wet	¹³⁷ Cs	1971.5 ~1977.3	26	2.29	17.7	7.76	3.68	NORMAL	18.8	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.5 ~1977.3	36	0.32	10.6	2.50 3.54	(260) 3.00	LOG-NORMAL	(43.9) 12.5	0 0
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.5 ~1977.3	23	16.8	502.0	203.3	132.6	NORMAL	601.1	0

11-4-2 Radionuclide Concentration in Brown Algae (Wakane, Kazime and Arame)

SN843-77-10

11-4-2 褐藻(ワカメ・カジメ・アラメ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/K _g wet	Gross β	1971.10 ~1977.3	38	0.0	10.5	4.8	2.9	NORMAL	13.5	0
	pCi/K _g wet	⁹⁰ Sr	1971.10 ~1977.3	21	0.0	8.4	3.65	2.1	NORMAL	9.95	0
	pCi/K _g wet	⁹⁶ Zr	1971.10 ~1977.3	10	0.0	38.4	(1.7)	(8.6)	LOG-NORMAL	(220.1)	0
	pCi/K _g wet	⁹⁵ Nb	1971.10 ~1977.3	10	0.0	18.1	9.68	1.35	NORMAL	50.2	0
	pCi/K _g wet	¹⁰⁶ Ru	1971.10 ~1977.3	25	0.1	16.5	5.79	7.07	NORMAL	27.0	0
	pCi/K _g wet	¹³⁷ Cs	1971.10 ~1977.3	18	2.3	10.5	5.75	4.97	NORMAL	20.7	0
	pCi/K _g wet	¹⁴⁴ Ce	1971.10 ~1977.3	24	0.37	10.56	6.5	2.6	NORMAL	14.3	0
	$\times 10^4$ pCi/K _g wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1977.3	13	20.7	414.0	3.76	2.62	NORMAL	11.6	0
							207.9	115.7	NORMAL	555.0	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a - \sigma_a$		NORMAL etc.	(99.7%)	
Wakame, Kazime and Arame	pCi/g wet	Gross β	1971.10 ~1977.3	38	0.0	10.5	4.8	2.9	NORMAL	13.5	0
Hiziki	pCi/g wet	Gross β	1971.10 ~1977.3	25	5.0	19.1	12.3	3.4	NORMAL	22.5	0
Wakame, Kazime Arame and Hiziki	pCi/g wet	Gross β	1971.10 ~1977.3	63	0.0	19.1	7.8	4.8	2GROUP	22.2	0
	pCi/Kg wet	⁹⁰ Sr	1971.10 ~1977.3	42	0.0	9.1	3.5	2.0	NORMAL	9.5	0
	pCi/Kg wet	⁹⁵ Zr	1971.10 ~1977.3	28	0.0	38.4	6.7	9.5	NORMAL	35.2	1(34)
	pCi/Kg wet	⁹⁵ Nb	1971.10 ~1977.3	28	0.0	39.2	5.3	6.0	NORMAL	41.3	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.10 ~1977.3	49	0.05	16.5	4.70	4.6	2GROUP	18.5	0
	pCi/Kg wet	¹³⁷ Cs	1971.10 ~1977.3	37	2.3	17.7	7.60	3.37	NORMAL	17.7	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.10 ~1977.3	47	0.32	10.6	3.44	2.85	2GROUP	12.0	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1977.3	30	16.8	5020	214.7	121.2	NORMAL	578.3	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$		LOG-NORMAL		
							$\mu_a \pm \sigma_a$		NORMAL etc.		
	pCi/K _g wet	Gross β	1971.12 ~1977.3	25	5.0	191	123	3.4	NORMAL	225	0
	pCi/K _g wet	⁹⁰ Sr	1971.12 ~1977.3	21	14	91	333	1.9	NORMAL	9.0	1(4.8)
	pCi/K _g wet	⁹⁵ Zr	1971.12 ~1977.3	18	0.0	230	5.0	6.2	NORMAL	236	1(5.6)
	pCi/K _g wet	⁹⁵ Nb	1971.12 ~1977.3	18	0.0	192	5.0	5.6	NORMAL	21.8	0
	pCi/K _g wet	¹⁰⁶ Ru	1971.12 ~1977.3	23	0.05	14.5	3.6	3.8	NORMAL	15.0	0
	pCi/K _g wet	¹³⁷ Cs	1971.12 ~1977.3	19	27	177	8.6	3.8	NORMAL	20.0	0
	pCi/K _g wet	¹⁴⁴ Ce	1971.12 ~1977.3	23	0.32	10.3	3.1	3.1	NORMAL	12.4	0
	$\times 10^{-3}$ pCi/K _g wet	²³⁹ ²⁴⁰ Pu	1971.12 ~1977.3	17	16.8	5020	2200	1290	NORMAL	6070	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.10 ~1976.4	19	0.0	8.05	3.39	2.37	NORMAL	10.5	0
	pCi/kg wet	⁹⁰ Sr	1971.10 ~1976.4	10	0.0	5.04	2.74	1.59	NORMAL	7.5	0
	pCi/kg wet	⁹⁵ Zr	1971.10 ~1976.4	14	0.10	16.46	6.38	5.51	NORMAL	22.9	0
	pCi/kg wet	⁹⁵ Nb	1971.10 ~1976.4	7	2.29	9.48	5.50	2.35	* *	12.6	0
	pCi/kg wet	¹⁰⁶ Ru	1971.10 ~1976.4	13	0.37	10.56	4.28	2.78	NORMAL	12.6	0
	pCi/kg wet	¹³⁷ Cs	1971.10 ~1976.4	6	20.7	414.0	156.4	144.8	* *	590.8	0
	pCi/kg wet	¹⁴⁴ Ce	1971.10 ~1976.4	2	0.40	3.0	1.70	1.84	* *	—	—
	$\times 10^{-3}$ pCi/kg wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1976.4	2	0.89	5.79	3.34	3.47	* *	—	—

11-4-6 Radionuclide Concentration in Brown Algae (Kazime and Arame)

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11-4-6 褐藻(カジメ・アラメ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1974.4 ~1977.3	19	1.56	10.5	6.1	2.8	NORMAL	14.5	0
	pCi/Kg wet	⁹⁰ Sr	1974.4 ~1977.3	11	2.2	8.42	4.5	2.2	NORMAL	11.1	0
	pCi/Kg wet	⁹⁵ Zr	1974.4 ~1977.3	8	0.0	38.4	11.7	145.0	NORMAL	55.2	0
	pCi/Kg wet	⁹⁵ Nb	1974.4 ~1977.3	8	0.0	18.1	6.40	7.78	NORMAL	29.7	0
	pCi/Kg wet	¹⁰⁶ Ru	1974.4 ~1977.3	11	1.7	12.6	4.94	4.31	NORMAL	17.9	0
	pCi/Kg wet	¹³⁷ Cs	1974.4 ~1977.3	11	3.5	10.5	7.2	2.6	NORMAL	15.0	0
	pCi/Kg wet	¹⁴⁴ Ce	1974.4 ~1977.3	11	0.58	7.4	3.14	2.4	NORMAL	10.3	0
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1974.4 ~1977.3	7	182.0	355.0	252.0	66.3	NORMAL	224.1	4(57.1)

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1975.3 ~1977.3	5	1.39	640	4.66	1.94	* *	10.5	0
	pCi/Kg wet	⁹⁰ Sr	1975.3 ~1977.3	5	25	7.04	4.05	1.91	* *	9.78	0
	pCi/Kg wet	⁹⁵ Zr	1975.3 ~1977.3	4	0.66	14.6	5.3	6.51	* *	24.8	0
	pCi/Kg wet	⁹⁵ Nb	1975.3 ~1977.3	4	1.86	10.0	7.45	3.83	* *	18.9	0
	pCi/Kg wet	¹⁰⁶ Ru	1975.3 ~1977.3	5	1.32	39.9	18.96	16.3	* *	67.8	0
	pCi/Kg wet	¹³⁷ Cs	1975.3 ~1977.3	5	280	7.9	5.46	2.44	* *	12.8	0
	pCi/Kg wet	¹⁴⁴ Ce	1975.3 ~1977.3	5	0.93	230	9.51	8.81	* *	36.0	0
	$\times 10^4$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1975.3 ~1977.3	3	430.0	1140.0	703.3	382.1	* *	1849.6	0

11-6 Radionuclide Concentration in Shellfish (Flesh of Mussel)

11-6 貝類(胎貝)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1971.6 ~1977.3	23	0.46	2.7	1.32	0.61	NORMAL	3.15	0
	pCi/kg wet	⁹⁰ Sr	1971.6 ~1977.3	13	0.0	5.7	1.76	1.37	NORMAL	5.87	0
	pCi/kg wet	⁹⁵ Zr	1971.6 ~1977.3	10	0.0	3.64	1.16	1.36	NORMAL	5.24	0
	pCi/kg wet	⁹⁵ Nb	1971.6 ~1977.3	10	0.0	10.15	4.7	3.70	NORMAL	15.8	0
	pCi/kg wet	¹⁰⁶ Ru	1971.6 ~1977.3	18	0.61	76.3	21.15	18.3	NORMAL	76.0	1(5.6)
	pCi/kg wet	¹³⁷ Cs	1971.6 ~1977.3	12	0.0	5.19	3.01	1.49	NORMAL	7.48	0
	pCi/kg wet	¹⁴⁴ Ce	1971.6 ~1977.3	17	2.02	44.0	(9.2) 138	(2.9) 131	LOG-NORMAL (NORMAL)	(200.0) 53.1	0
	$\times 10^{-3}$ pCi/kg wet	²³⁹⁻²⁴⁰ Pu	1971.6 ~1977.3	9	1.0	469.0	196.2	177.5	NORMAL	728.7	0

11-6 Radionuclide Concentration in Shellfish (Flesh of Clam, Ear-Shell and Kotamagai)

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11-6 貝類(はまぐり・あわび・こたま貝)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Groos β	1971.9 ~1977.2	38	0.5	2.42	1.35	0.38	NORMAL	2.49	0
	pCi/Kg wet	⁹⁰ Sr	1971.9 ~1977.2	31	0.27	7.11	(1.10)	(1.90)	(LOG-NORMAL)	(7.50)	0
							1.42	1.3	NORMAL	5.32	1(3.2)
	pCi/Kg wet	⁹⁵ Zr	1971.9 ~1977.2	26	0.0	21.1	4.8	5.9	(NORMAL)	22.5	0
	pCi/Kg wet	⁹⁵ Nb	1971.9 ~1977.2	24	0.0	9.3	3.1	3.3	NORMAL	13.0	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.9 ~1977.2	34	2.76	112.1	15.6	21.1	2GROUP	78.9	1(2.9)
	pCi/Kg wet	¹³⁷ Cs	1971.9 ~1977.2	30	0.0	5.2	2.74	1.2	NORMAL	6.34	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.9 ~1977.2	32	0.0	27.1	8.5	6.2	NORMAL	27.1	1(3.1)
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.9 ~1977.2	17	3.9	228.0	85.2	63.6	NORMAL	276.0	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.6 ~1977.3	61	0.46	27	1.34	0.44	NORMAL	7.52	1(1.6)
	pCi/Kg wet	⁹⁰ Sr	1971.6 ~1977.3	44	0.0	7.1	1.52	1.3	NORMAL	5.42	2(4.5)
	pCi/Kg wet	⁹⁵ Zr	1971.6 ~1977.3	36	0.0	21.1	3.8	5.3	NORMAL	19.7	1(2.8)
	pCi/Kg wet	⁹⁵ Nb	1971.6 ~1977.3	34	0.0	10.2	3.6	3.4	NORMAL	13.8	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.6 ~1977.3	52	0.61	112.1	17.5	20.1	2GROUP	77.8	0
	pCi/Kg wet	¹³⁷ Cs	1971.6 ~1977.3	42	0.0	5.2	2.8	1.3	NORMAL	6.7	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.6 ~1977.3	49	0.0	44.0	(11.0)	(2.4)	LOG NORMAL	(1520)	0
							10.4	9.4		38.6	2(4.1)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.6 ~1977.3	26	1.0	469.0	(125.0)	(268)	LOG NORMAL	(2300.)	0
							123.6	124.8		49.8	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.12 ~ 1977.3	28	0.8	3.09	1.71	0.55	NORMAL	3.36	0
	pCi/Kg wet	⁹⁰ Sr	1971.12 ~ 1977.3	16	1.4	14.03	(6.0)	(2.3)	LOG-NORMAL	(7.30)	0
							7.78	4.01	NORMAL	19.8	0
	pCi/Kg wet	⁹⁵ Zr	1971.12 ~ 1977.3	10	0.0	17.0	4.25	5.38	NORMAL	20.4	0
	pCi/Kg wet	⁹⁵ Nb	1971.12 ~ 1977.3	10	0.0	116.0	14.1	36.0	NORMAL	122.1	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.12 ~ 1977.3	19	0.39	35.0	9.2	8.3	NORMAL	34.1	1(5)
	pCi/Kg wet	¹³⁷ Cs	1971.12 ~ 1977.3	11	0.0	5.7	3.45	1.49	NORMAL	7.95	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.12 ~ 1977.3	19	0.56	15.0	(4.0)	(3.3)	LOG-NORMAL	(14.40)	0
							6.53	5.1	NORMAL	21.8	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.12 ~ 1977.3	12	7.45	387.0	218.3	122.0	NORMAL	584.3	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/Kgwet	Gross β	1971.10 ~1977.3	15	1.40	2.88	(1.75)	(1.40)	NORMAL	4.66	0
							1.86	0.44		3.20	0
	pCi/Kgwet	⁹⁰ Sr	1971.10 ~1977.3	11	0.06	3.40	1.23	1.28	NORMAL	5.07	0
	pCi/Kgwet	⁹⁵ Zr	1971.10 ~1977.3	11	0.0	26.56	8.61	8.53	NORMAL	34.2	0
	pCi/Kgwet	⁹⁵ Nb	1971.10 ~1977.3	11	0.0	24.96	4.60	7.82	NORMAL	28.1	0
	pCi/Kgwet	¹⁰⁶ Ru	1971.10 ~1977.3	12	0.0	2.30	0.40	0.66	2GROUP	2.38	0
	pCi/Kgwet	¹³⁷ Cs	1971.10 ~1977.3	11	1.85	6.10	3.31	1.28	NORMAL	7.15	0
	pCi/Kgwet	¹⁴⁴ Ce	1971.10 ~1977.3	12	0.17	3.40	(0.60)	(2.5)	LOG NORMAL	(9.38)	0
							1.01	1.15		4.46	0
	$\times 10^{-3}$ pCi/Kgwet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1977.3	10	7.60	132.0	44.0	40.2	LOG NORMAL	164.6	0

12 Radiation Rate at the Surface of Sea-Shore Sand, Fishing Net and Sample Board
on Monitoring Boat

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12 海岸砂・漁網および船体片の表面線量率

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
Sea-Shore Sand	cpm	G.M. ($\beta \cdot \tau$)	19738 ~19774	82	24.0	119.0	60.2	19.3	NORMAL	118.0	1(1.2)
	cpm	G.M.S.W. ($\beta \cdot \tau$)	19738 ~19767	46	24.0	109.0	54.4	15.0	NORMAL	99.4	1(4.4)
	cpm	G.M.E.W. ($\beta \cdot \tau$)	19768 ~19773	36	36.0	119.0	67.5	21.7	NORMAL	129.6	0
	$\mu R/hr$	NaI (τ)	19738 ~19774	110	1.1	8.4	3.6	1.3	NORMAL	7.5	2(1.8)
Fishing Net	cpm	G.M. ($\beta \cdot \tau$)	19756 ~19773	8	46.0	103.0	67.25	17.85	NORMAL	120.8	0
	$\mu R/hr$	NaI (τ)	19756 ~19773	8	6.6	9.2	8.31	0.92	NORMAL	11.1	0
Sample Board on Monitoring Bote	cpm	(G.M.) ($\beta \cdot \tau$)	19759 ~19773	7	54.0	83.0	65.1	9.75	NORMAL	94.4	0
	$\mu R/hr$	NaI (τ)	19759 ~19773	7	7.3	9.7	8.56	0.92	NORMAL	11.3	0

13. Radionuclide Concentration-in Fishing Net

13. 漁網中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	ALL 全測定値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1975.1 ~1977.1	9	0.31	10.1	3.32	3.74	(NORMAL)	145	0
	pCi/K _g wet	⁹⁰ Sr	1975.1 ~1977.1	8	1.32	80.6	4.03	2.75	* *	123	0
	pCi/K _g wet	⁹⁵ Zr	1975.1 ~1977.1	8	0.09	1639	353.8	581.3	* *	2098	0
	pCi/K _g wet	⁹⁵ Nb	1975.1 ~1977.1	8	0	1224	154.9	431.9	* *	1451	0
	pCi/K _g wet	¹⁰⁶ Ru	1975.1 ~1977.1	8	0.85	5.31	2.82	1.95	(NORMAL)	8.67	0
	pCi/K _g wet	¹³⁷ Cs	1975.1 ~1977.1	8	0.22	23.4	5.47	7.70	NORMAL	28.6	0
	pCi/K _g wet	¹⁴⁴ Ce	1975.1 ~1977.1	8	2.07	82.9	15.8	27.4	(NORMAL)	98.0	0
	$\times 10^{-5}$ pCi/K _g wet	²³⁹⁻²⁴⁰ Pu	1975.1 ~1977.1	5	3.2	823.0	386.3	368.3	NORMAL	1492	0

2. 平常値の統計値

STATISTICS BASED ON DATA
USUAL WITHIN RANGE (SBU)

1-1 Terrestrial Gamma Exposure Rate Observed with Monitoring-Station

1-2 Terrestrial Gamma Exposure Rate Observed with Monitoring-Post

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1-1 モニタリングステーション空間線量率

1-2 モニタリングポスト空間線量率

MONITORING SYSTEM モニタリング系 MONITORING STATION モニタリングステーション MONITORING POST モニタリングポスト	DIMENSION 単位	AVERAGING TIME 平均化時間	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
ALL THE POST	$\mu R/hr$	1 hr	1975.5 ~ 1977.3	15105	5.5	18.9	(7.0)	(1.07)	LOG-NORMAL	(8.6)	540 (3.6)
							7.1	0.7	NORMAL	9.2	150 (1.0)
	$\mu R/hr$	1 day	1975.5 ~ 1977.3	730	6.02	15.4	(7.0)	(1.07)	LOG-NORMAL	(8.6)	17 (2.3)
							7.1	0.5	NORMAL	8.6	
	$\mu R/hr$	1 month	1975.5 ~ 1977.3	24	6.7	8.9	(7.0)	(1.07)	LOG-NORMAL	(8.2)	1 (4.2)
							7.1	0.4	NORMAL	8.3	1 (4.2)
	$\mu R/hr$	3 months	1975.5 ~ 1977.3	7	6.7	8.2	(7.0)	(1.06)	LOG-NORMAL	(8.2)	0
							7.1	0.4	NORMAL	8.3	
ALL THE STATION	$\mu R/hr$	1 hr	1975.5 ~ 1977.3	17204	2.7	8.5	(4.0)	(1.13)	LOG-NORMAL	(5.8)	140 (0.8)
							4.1	0.4	NORMAL	5.3	340 (2.0)
	$\mu R/hr$	1 day	1975.5 ~ 1977.3	731	3.3	6.7	(4.0)	(1.10)	LOG-NORMAL	(5.3)	8 (1.1)
							4.1	0.4	NORMAL	5.3	
	$\mu R/hr$	1 month	1975.5 ~ 1977.3	24	3.8	5.2	(4.0)	(1.05)	LOG-NORMAL	(4.6)	2 (8.3)
							4.1	0.4	NORMAL	5.3	0
	$\mu R/hr$	3 months	1975.5 ~ 1977.3	8	3.9	4.8	(4.0)	(1.05)	LOG-NORMAL	(4.6)	1 (12.5)
							4.1	0.3	NORMAL	5.0	0

2 Integrated Dose Observed with Thermoluminescent Dosimetry

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2 積算線量

EVALUATING TERM 評価項目	DIMENSION 単位	EVALUATING AREA 評価地域	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
1. MEASURED (測定値)	mrem/3months	ON-SITE 敷地内	1973.10 ~1977.3	213	11.4	23.2	16.6	2.0	NORMAL	22.6	0
2. NET DOSE (正味線量)	mrem/3months	ON-SITE 敷地内	1973.10 ~1977.3	213	5.0	14.0	9.5	1.6	NORMAL	15.3	0
3. MEASURED (測定値)	mrem/3months	OFF-SITE 敷地外	1973.10 ~1977.3	312	11.0	22.2	15.8	2.2	NORMAL	22.4	1(0.3)
4. NET DOSE (正味線量)	mrem/3months	OFF-SITE 敷地外	1973.10 ~1977.3	312	4.0	15.0	8.8	2.2	NORMAL	15.4	0
5. MEASURED (測定値)	mrem/3months	ON AND OFF-SITE 敷地内外	1973.10 ~1977.3	511	11.0	23.2	16.2	1.9	NORMAL	21.9	1(0.2)
6. NET DOSE (正味線量)	mrem/3months	ON AND OFF-SITE 敷地内外	1973.10 ~1977.3	511	4.0	15.0	9.2	1.9	NORMAL	14.9	0
7. MEASURED (測定値)	mrem/3months	ON BOAT (モニタリング・船上)	1973.10 ~1977.3	46	8.3	13.2	10.0	1.2	NORMAL	13.6	0
8. NET DOSE (正味線量)	mrem/3months	ON BOAT (モニタリング・船上)	1973.10 ~1977.3	46	0.0	6.0	3.0	1.5	NORMAL	7.5	0
9. CONTROL VALUE (自己汚染分)	mrem/3months	CONTROL (自己汚染)	1973.10 ~1977.3	13	5.9	8.5	7.0	0.7	NORMAL	9.1	0
10. CONTROL VALUE (自己汚染分)	mrem/3months	CONTROL (自己汚染)	1973.10 ~1977.3	13	6.0	9.0	7.1	0.9	NORMAL	10	0

3-1 Radionuclide Concentration in Air-borne Dust

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3-1 大氣中浮遊塵

AVERAGING TIME 平均化時間	DIMENSION 單位	NUCLIDE 核種	SAMPLING DURATION 評價期間	NUMBER OF DATA 件數	(MIN.) 最小值	(MAX.) 最大值	USUAL 平常值				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg)	(σg)	LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$	NORMAL etc.	(99.7%)		
3 months	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	73	1.0	145.0	3.37	2.19	3 GROUP NORMAL	9.94	8 (11)
	$\times 10^{-15} \mu Ci / cm^3$	^{90}Sr	1974.10 ~1977.3	72	0.1	23.4	(0.36)	(2.16)	LOG-NORMAL	(3.66)	0
							0.46	0.28		1.3	3 (42)
	$\times 10^{-15} \mu Ci / cm^3$	^{137}Cs	1974.10 ~1977.3	72	0.02	1.8	0.32	0.20	2 GROUP NORMAL	0.92	8 (11.1)
	$\times 10^{-18} \mu Ci / cm^3$	$^{239-240}Pu$	1974.10 ~1977.3	72	1.1	21.7	5.67	3.03	2 GROUP NORMAL	14.8	8 (11.1)
	$\times 10^{-15} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	73	0.4	3.7	1.22	0.47	NORMAL	263	1 (1.4)
	$\times 10^{-15} \mu Ci / cm^3$	^{95}Zr	1974.10 ~1977.3	15	0.53	97.8	13.6	25.4	* *	-	-
	$\times 10^{-15} \mu Ci / cm^3$	^{95}Nb	1974.10 ~1977.3	15	1.0	113.1	16.2	29.4	* *	-	-
1 week	$\times 10^{-15} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	900	0.0	11.1	(0.85)	(2.24)	LOG-NORMAL	(9.5)	2 (0.2)
							1.3	1.1	NORMAL	4.5	15 (1.7)
	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	900	0.0	1683.3	(2.2)	(2.72)	LOG-NORMAL	(4.42)	19 (2.1)
							3.5	4.1		15.8	48 (5.3)
1 month	$\times 10^{-15} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	216	0.2	5.3	(0.95)	(1.90)	LOG-NORMAL	(6.5)	0
							1.3	0.7	NORMAL	4.5	3 (1.4)
	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	216	0.5	451.8	(2.2)	(2.09)	LOG-NORMAL	(2.01)	8 (3.7)
							3.5	3.0		12.5	15 (7.0)

3-3 Gaseous BETA Radioactive Concentration in Atmosphere

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3-3 大気中β放射性ガス濃度

	DIMENSION 単位	AVERAGING TIME 平均化時間	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
cpm	1 hr	1975.4 ~1977.3	14822	81.0	134.0	97.3	8.6	LOG-NORMAL NORMAL	123.1	40 (0.3)	
cpm	1 day	1975.4 ~1977.3	640	83.8	121.6	97.3	7.3	LOG-NORMAL NORMAL	119.2	2 (0.3)	
cpm	1 month	1975.4 ~1977.3	21	87.7	110.3	97.3	6.3	LOG-NORMAL NORMAL	116.2	0	
cpm	3 months	1975.4 ~1977.3	7	88.8	105.5	97.3	6.0	LOG-NORMAL NORMAL	115.3	0	

4. Radionuclide Concentration in Fall-Out Material

4. 降下塵中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値						
							MEAN $(\mu g) \div (\sigma g)$	STANDARD DEVIATION $\mu_a + \sigma_a$	TYPE OF DISTRIBUTION LOG-NORMAL NORMAL etc.	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)		
												MEAN	
										(1.1)	(4.4)	LOG-NORMAL	(93.7)
ALL	mCi/Km ²	Gross β	1971.5 ~1977.4	70	0.11	15.3	2.57	3.57	LOG-NORMAL	14.2	1 (1.4)		
SPECIAL	mCi/Km ²	Gross β	1971.5 ~1977.4	24	0.73	15.3	(3.4)	(2.8)	LOG-NORMAL (NORMAL)	74.6	0		

5-1 Radionuclide Concentration in Rain Water

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5-1 雨水中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)	
							$(\mu g) \times (\sigma g)$	LOG-NORMAL			$(\mu g \times \sigma g^3)$
							$\mu_a + \sigma_a$	NORMAL etc.	$\mu_a + 3\sigma_a$ (99.7%)		
ALL	pCi/l	Gross β	19745 ~19774	107	0.1	2232	(120)	(25)	LOG-NORMAL	(1875)	1(0.9)
							20.1	29.3		(108.0)	2(1.9)
SPECIAL	pCi/l	Gross β	19745 ~19774	57	10.2	2232	(22.0)	(25)	LOG-NORMAL	(352.6)	0
							33.5	35.0		138.5	1(1.8)
ALL	pCi/l	³ H	19745 ~19774	48	0.0	4070	128.4	10.21	NORMAL	434.7	0

5-2 Radionuclide Concentration in River Water

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5-2 河川水中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
ALL	pCi/l	Gross β	1971.4 ~1977.4	159	0.0	16.0	3.76	2.68	LOG-NORMAL	11.8	1 (1.3)
ALL	pCi/l	^3H	1971.4 ~1977.4	15	0.0	270.0	190.4	48.5	NORMAL	335.8	0
(GAS FLOW)	pCi/l	Gross β	1971.4 ~1977.4	37	0.0	6.3	2.8	1.2	NORMAL	6.4	0
(GM)	pCi/l	Gross β	1971.4 ~1977.4	122	0.0	16.0	4.6	3.20	NORMAL	14.2	0

5-3 Radionuclide Concentration in Drinking Water

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5-3 飲料水中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
Tap Water (Gas flow)	pCi / l	Gross β	197 52 ~1977.1	26	1.10	3.10	1.80	0.54	NORMAL	3.4	0
Tap Water+Pond Water (Gas flow)	pCi / l	Gross β	197 52 ~1977.1	35	0.80	3.40	1.90	0.64	NORMAL	3.7	0
Tap Water (GM)	pCi / l	Gross β	197 36 ~1975.1	18	0.0	5.4	1.60	2.00	NORMAL	7.6	0
Well Water (NAGASUNA)	pCi / l	Gross β	197 44 ~1977.1	23	4.0	33.6	18.6	8.0	NORMAL	42.6	0
ALL	pCi / l	Gross β	197 36 ~1977.1	79	0.0	33.6	6.7	8.8	LOG-NORMAL	33.1	1(1.3)
ALL	pCi / l	3H	197 5.8 ~1977.1	17	0.0	260.0	118.8	86.0	NORMAL	377.0	0

6-1 Radionuclide Concentration in Surface Soil

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6-1 表土中放射性物質濃度

SPECIEC 測定対象	DIMENSION 単 位	NUCKIDE 核 種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件 数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g dry	Gross β	197.14 ~197.73	141	24	189	1214	287	NORMAL	2075	0
	pCi/kg dry	⁹⁰ Sr	197.14 ~197.73	74	0.52	1451.0	3120	2329	2GROUP	10107	2(27)
	pCi/kg dry	¹³⁷ Cs	197.14 ~197.73	44	330	22700	3149	2497	NORMAL	10640	9(205)
	pCi/kg dry	^{239,240} Pu	197.14 ~197.73	58	0.2	49.0	10.85	833	NORMAL	358	3(52)

6-2 Radionuclide Concentration in River Sediment

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6-2 河底土中放射性物質濃度

SPECIES 測定対象	DIMENSION	NUCLIDE	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g dry	Gross β	1971.4 ~1964	100	3.2	25.7	15.5	3.2	NORMAL	25.1	1(1)

7-1 Radionuclide Concentration in Vegetation

SN843-77-10

7-1 野菜中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a \pm \sigma_a$		NORMAL etc.		
	pCi/K _g wet	Gross β	1973.7 ~1977.3	41	0.8	8.09	4.13	1.6	NORMAL	9.11	3 (20.0)
	pCi/K _g wet	⁹⁰ Sr	1973.7 ~1977.3	37	5.1	65.0	23.82	11.08	NORMAL	57.1	2 (15.4)
	pCi/K _g wet	¹³⁷ Cs	1973.7 ~1977.3	21	0.0	10.9	10.16	0.42	* *	11.42	2 (33.3)
	$\times 10^{-3}$ pCi/K _g wet	²³⁹⁻²⁴⁰ Pu	1973.7 ~1977.3	32	0.0	160.0	68.6	54.7	NORMAL	232.7	2 (15.4)

7-2 Radionuclide Concentration in Pasture

SN843-77-10

7-2 牧草中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1973.7 ~1976.10	15	0.072	10.3	2.69	0.98	NORMAL	5.59	4(10)
	pCi/Kg wet	⁹⁰ Sr	1973.7 ~1976.10	13	2.46	83.7	7.93	2.20	* *	14.5	26(70.2)
	pCi/Kg wet	¹³⁷ Cs	1973.7 ~1976.10	6	0.0	10.5	4.04	2.43	NORMAL	11.3	2(5.32)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹ · ²⁴⁰ Pu	1973.7 ~1976.10	13	5.4	437.0	9.89	10.11	2 GROUP NORMAL	40.2	2(6.5)
	pCi/Kg wet	¹³¹ I	1973.7 ~1976.10	6	0.0	10.0	-	-	-	-	--

7-3 Radionuclide Concentration in Crop

SN843-77-10

7-3 米・麦中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1973.7 ~1976.10	18	0.3	6.1	2.5	1.7	NORMAL	7.6	0
	pCi/Kg wet	^{90}Sr	1973.7 ~1976.10	14	0.35	20.6	6.92	6.30	NORMAL	25.8	0
	pCi/Kg wet	^{137}Cs	1973.7 ~1976.10	6	0.0	30.0	9.78	11.04	NORMAL	42.9	0
	$\times 10^{-3}$ pCi/Kg wet	$^{239, 240}\text{Pu}$	1973.7 ~1976.10	6	0.0	50.0	13.07	19.49	NORMAL	71.5	0

7-4 Radionuclide Concentration in Milk

SN843-77-10

7-4 牛乳中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN $(\mu g) \times (\sigma g)$	STANDARD DEVIATION $\div (\sigma g)$	TYPE OF DISTRIBUTION LOG-NORMAL	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
									$\mu_a + \sigma_a$		
	pCi/ml	Gross β	1974.1 ~1977.4	34	0.4	1.9	1.2	0.32	NORMAL	216	0
	pCi/l	⁹⁰ Sr	1974.1 ~1977.4	31	0.3	12.8	3.7	2.9	2 GROUP (NORMAL)	124	1 (3.2)
	pCi/l	¹³⁷ Cs	1974.1 ~1977.4	14	0.0	8.3	4.6	3.3	NORMAL	145	0
	$\times 10^{-3}$ pCi/l	^{239, 240} Pu	1974.1 ~1977.4	10	0.0	10.0	5.0	5.5	NORMAL	215	0

8-1 Radionuclide Concentration in Sea-Shore-Water

SN843-77-10

8-1 海岸水中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/l	Gross β	1971.4 ~1977.1	142	0.1	3.9	1.51	0.76	NORMAL	3.8	2(1.4)
	pCi/l	⁹⁰ Sr	1971.4 ~1977.1	27	0.14	0.48	0.31	0.11	NORMAL	0.64	0
	pCi/l	⁹⁵ Zr	1971.4 ~1977.1	24	0.0	0.18	0.047	0.058	NORMAL	0.22	0
	pCi/l	⁹⁵ Nb	1971.4 ~1977.1	24	0.0	0.18	0.044	0.027	* *	0.13	1(4.2)
	pCi/l	¹⁰⁶ Ru	1971.4 ~1977.1	27	0.0	0.1	0.048	0.027	* *	0.13	0
	pCi/l	¹³⁷ Cs	1971.4 ~1977.1	27	0.02	0.31	0.19	0.074	NORMAL	0.41	0
	pCi/l	¹⁴⁴ Ce	1971.4 ~1977.1	27	0.0	0.13	0.053	0.038	NORMAL	0.17	0
	$\times 10^3$ pCi/l	²³⁹ · ²⁴⁰ Pu	1971.4 ~1977.1	40	0.0	12.0	2.33	2.50	2GROUP	9.8	2(5)
	pCi/l	³ H	1971.4 ~1977.1	68	0.0	420.0	93.61	72.44	NORMAL	310.9	1

SPECIES 測定対象	DIMENTION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/l	Gross β	1971.6 ~1976.3	140	0.0	2.94	1.17	0.63	NORMAL	3.06	0
	pCi/l	⁹⁰ Sr	1971.6 ~1976.3	109	0.13	2.0	0.29	0.11	NORMAL	0.62	1 (0.9)
	pCi/l	⁹⁵ Zr	1971.6 ~1976.3	82	0.0	0.34	0.067	0.058	2GROUP (NORMAL)	0.24	2 (24)
	pCi/l	⁹⁵ Nb	1971.6 ~1976.3	82	0.0	1.7	0.11	0.12	2GROUP (NORMAL)	0.47	4 (4.9)
	pCi/l	¹⁰⁶ Ru	1971.6 ~1976.3	110	0.0	0.24	0.054	0.043	2GROUP (NORMAL)	0.18	18 (16.4)
	pCi/l	¹³⁷ Cs	1971.6 ~1976.3	99	0.02	1.06	0.26	0.11	NORMAL	0.59	21 (21)
	pCi/l	¹⁴⁴ Ce	1971.6 ~1976.3	104	0.0	0.28	0.03	0.026	NORMAL	0.11	25 (24.3)
	$\times 10^{-3}$ pCi/l	²³⁹ · ²⁴⁰ Pu	1971.6 ~1976.3	64	0.0	1.70	0.66	0.38	NORMAL	1.8	0
	pCi/l	³ H	1971.6 ~1976.3	79	0.0	356.0	93.9	84.35	3GROUR	347.0	0

9. Radionuclide C oncentration in Sea Sediment

SN843-77-10

9. 海底土中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g dry	Gross β	1971.7 ~1977.4	261	6.0	33.2	14.17	3.6	NORMAL	25	2 (0.77)
	pCi/Kg dry	⁹⁰ Sr	1971.7 ~1977.4	148	0.04	2.44	(3.6)	(1.8)	NORMAL (LOG-NORMAL)	(21.0)	1 (0.7)
							4.48	2.57		1.22	5 (3.7)
	pCi/Kg dry	⁹⁵ Zr	1971.7 ~1977.4	56	0.0	210.0	9.75	12.21	NORMAL	46.4	5 (10)
	pCi/Kg dry	⁹⁵ Nb	1971.7 ~1977.4	56	0.0	160.0	10.64	1.43	NORMAL	53.5	5 (10)
	pCi/Kg dry	¹⁰⁶ Ru	1971.7 ~1977.4	132	0.0	242.0	18.7	15.7	NORMAL	65.8	8 (6.1)
	pCi/Kg dry	¹³⁷ Cs	1971.7 ~1977.4	91	9.0	75.0	30.6	12.8	normal (2 GROUP)	69.0	2 (2.2)
	pCi/Kg dry	¹⁴⁴ Ce	1971.7 ~1977.4	108	8.0	593.0	80.2	69.0	2 GROUP	286.8	6 (5.6)
	pCi/Kg dry	²³⁹ · ²⁴⁰ Pu	1971.7 ~1977.4	144	2.0	64.5	128.2	6.4	NORMAL	31.9	5 (3.5)
	$\mu g/g$ dry	U	1971.7 ~1977.4	13	0.5	2.2	1.20	0.22	NORMAL	18.6	2 (15)

10. Radionuclide Concentration in Sea-Shore Sand

SN843-77-10

10. 海岸砂中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g dry	Gross β	1973.5 ~1977.3	195	4.02	20.3	1256	3.24	NORMAL	223	0
	pCi/kg dry	⁹⁰ Sr	1973.5 ~1977.3	28	1.3	11.6	4.70	25.7	NORMAL	124	0
	pCi/kg dry	⁹⁵ Zr	1973.5 ~1977.3	39	0.0	50.0	15.15	13.22	NORMAL	54.8	0
	pCi/kg dry	⁹⁵ Nb	1973.5 ~1977.3	41	0.0	64.0	9.01	7.16	NORMAL	30.5	1 (25)
	pCi/kg dry	¹⁰⁶ Ru	1973.5 ~1977.3	30	0.0	28.9	6.05	4.67	NORMAL	20.1	1 (3.3)
	pCi/kg dry	¹³⁷ Cs	1973.5 ~1977.3	46	0.0	51.0	17.73	6.41	NORMAL	37.0	4 (8.9)
	pCi/kg dry	¹⁴⁴ Ce	1973.5 ~1977.3	28	0.0	28.6	8.95	4.89	NORMAL	26.3	3 (10.7)
	pCi/kg dry	²³⁹ · ²⁴⁰ Pu	1973.5 ~1977.3	66	0.35	19.1	3.76	2.26	NORMAL	10.5	4 (8.3)

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11-1-1 Radionuclide Concentration in Fish (Flesh of Flat-fish)

11-1-1 カレイ・ヒラメ(可食部)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$		LOG-NORMAL		
							$\mu_a \pm \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1971.6 ~1977.2	54	0.2	6.0	2.51	0.67	NORMAL	4.52	3(5.9)
	pCi/Kg wet	⁹⁰ Sr	1971.6 ~1977.2	37	0.08	1.97	0.77	0.43	NORMAL	2.06	0
	pCi/Kg wet	⁹⁵ Zr	1971.6 ~1977.2	26	0.0	15.8	0.18	0.21	NORMAL	0.81	0
	pCi/Kg wet	⁹⁵ Nb	1971.6 ~1977.2	26	0.0	7.7	0.87	0.90	NORMAL	3.57	3(11.5)
	pCi/Kg wet	¹⁰⁶ Ru	1971.6 ~1977.2	38	0.0	2.21	0.37	0.51	NORMAL	1.9	0
	pCi/Kg wet	¹³⁷ Cs	1971.6 ~1977.2	35	4.0	13.9	7.83	1.89	NORMAL	13.5	1(2.9)
	pCi/Kg wet	¹⁴⁴ Ce	1971.6 ~1977.2	35	0.0	1.6	0.13	0.15	NORMAL	0.58	5(14.3)
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.6 ~1977.2	25	0.1	371.0	9.05	9.07	2GROUR	3.63	2(8)

11-1-2 Radionuclide Concentration in Fish (Bone and Entrails of Flat-fish)

SN843-77-10

11-1-2 カレイ・ヒラメ(骨・内臓)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	19726 ~1977.2	83	0.11	11.3	1.83	1.16	NORMAL	531	3(3.7)
	pCi/Kg wet	⁹⁰ Sr	19726 ~1977.2	10	249	5.78	4.98	0.63	NORMAL	687	0
	pCi/Kg wet	⁹⁵ Zr	19726 ~1977.2	8	1.7	36.0	1.23	10.06	NORMAL	35.2	1(11.0)
	pCi/Kg wet	⁹⁵ Nb	19726 ~1977.2	8	0.0	93.3	1.97	35.6	(NORMAL)	119.1	0
	pCi/Kg wet	¹⁰⁶ Ru	19726 ~1977.2	10	0.0	23.1	0.53	0.74	NORMAL	27.5	1(9.1)
	pCi/Kg wet	¹³⁷ Cs	19726 ~1977.2	10	3.9	17.7	6.11	1.18	NORMAL	9.65	1(10.0)
	pCi/Kg wet	¹⁴⁴ Ce	19726 ~1977.2	10	0.0	1.90	0.30	0.35	NORMAL	1.35	3(27.3)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	19726 ~1977.2	10	4.0	60.0	3.084	2.15	NORMAL	95.3	0

11-1-3 Radionuclide Concentration in Fish (Flesh of Flat-fish and Whole Body of Sardine etc.)

SN843-77-10

11-1-3 成魚中放射性物質濃度(ヒラメ・カレイ(肉), イワシ(全体), その他)

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)	LOG-NORMAL	$\mu_a + 3\sigma_a$ (99.7%)		
							$\mu_a + \sigma_a$	NORMAL etc.			
	pCi/g wet	Gross β	1971.6 ~1977.2	96	0.38	11.0	(230)	(1.43)	LOG-NORMAL	(6.77)	1(1.0)
							243	1.07	NORMAL	5.64	1(1.0)
	pCi/Kg wet	⁹⁰ Sr	1971.6 ~1977.2	54	0.38	36.5	11.8	0.98	2GROUP NORMAL	4.12	5(9.3)
	pCi/Kg wet	⁹⁵ Zr	1971.6 ~1977.2	31	0.55	101.2	0.88	1.06	NORMAL	4.06	8(25.8)
	pCi/Kg wet	⁹⁵ Nb	1971.6 ~1977.2	31	0.0	11.8	1.57	1.96	NORMAL	7.45	3(9.7)
	pCi/Kg wet	¹⁰⁶ Ru	1971.6 ~1977.2	56	0.0	19.0	1.38	3.24	* *	11.1	2(3.6)
	pCi/Kg wet	¹³⁷ Cs	1971.6 ~1977.2	46	1.36	14.1	5.86	4.21	NORMAL	18.49	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.6 ~1977.2	55	0.0	10.23	0.73	1.06	* *	3.91	6(10.9)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.6 ~1977.2	32	4.70	26.43	101.7	103.6	NORMAL	412.5	0

11-2 Radionuclide Concentration in Fish (Whole Body of White Bait)

SN843-77-10

11-2 シラス・白魚中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1971.5 ~1977.3	57	0.25	5.6	2.23	0.6	NORMAL	4.03	4 (7.4)
	pCi/Kg wet	⁹⁰ Sr	1971.5 ~1977.3	43	0.01	6.7	0.67	0.36	NORMAL	1.75	7 (16.3)
	pCi/Kg wet	⁹⁵ Zr	1971.5 ~1977.3	28	0.0	58.0	1.38	1.2	NORMAL	4.98	3 (10.7)
	pCi/Kg wet	⁹⁵ Nb	1971.5 ~1977.3	28	0.0	10.4	2.49	1.95	NORMAL	8.34	1 (3.6)
	pCi/Kg wet	¹⁰⁶ Ru	1971.5 ~1977.3	45	0.0	6.4	0.63	0.45	(NORMAL)	2.1	6 (13.6)
	pCi/Kg wet	¹³⁷ Cs	1971.5 ~1977.3	37	2.5	11.3	5.32	1.18	NORMAL	8.86	3 (8.1)
	pCi/Kg wet	¹⁴⁴ Ce	1971.5 ~1977.3	45	0.0	7.18	1.11	1.06	2GROUP	4.29	2 (4.4)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.5 ~1977.3	27	0.06	85.3	28.8	22.9	NORMAL	95.4	0

11-3 Radionuclide Concentration in Fish (Whole Body of Sardine etc.)

SN843-77-10

11-3 カレイ・ヒラメ以外の成魚中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.10 ~1976.10	49	0.38	11.0	1.98	0.78	NORMAL	4.32	1(2.2)
	pCi/Kg wet	⁹⁰ Sr	1971.10 ~1976.10	16	0.38	36.5	1.06	0.39	NORMAL	2.23	7(4.38)
	pCi/Kg wet	⁹⁵ Zr	1971.10 ~1976.10	5	0.55	101.2	2.93	2.31	NORMAL	9.86	2(4.0)
	pCi/Kg wet	⁹⁵ Nb	1971.10 ~1976.10	5	0.0	11.8	18.14	28.26	NORMAL	102.9	1(2.0)
	pCi/Kg wet	¹⁰⁶ Ru	1971.10 ~1976.10	18	0.0	19.0	1.93	1.36	NORMAL	6.01	1(5.6)
	pCi/Kg wet	¹³⁷ Cs	1971.10 ~1976.10	11	1.36	14.1	4.38	2.82	NORMAL	12.8	1(9.1)
	pCi/Kg wet	¹⁴⁴ Ce	1971.10 ~1976.10	20	0.0	102.3	2.07	1.19	NORMAL	5.64	6(3.0)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1976.10	7	4.70	264.0	101.7	103.6	NORMAL	412.5	0

11-4-1 Radionuclide Concentration in Brown Algae (Hiziki and Wakame)

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11-4-1 褐藻(ヒジキ・ワカメ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
Hiziki	pCi/g wet	Gross β	1971.12 ~1977.3	25	5.0	19.1	123	3.4	NORMAL	225	0
Wakame	pCi/g wet	Gross β	1971.10 ~1976.4	19	0.0	8.05	3.39	2.37	NORMAL	10.5	0
Hiziki and Wakame	pCi/g wet	Gross β	1971.5 ~1977.3	44	0.0	19.1	8.47	5.36	NORMAL	24.6	0
	pCi/Kg wet	⁹⁰ Sr	1971.5 ~1977.3	31	0.0	9.10	3.14	1.79	NORMAL	8.51	1(3.2)
	pCi/Kg wet	⁹⁵ Zr	1971.5 ~1977.3	20	0.0	23.0	4.71	5.96	NORMAL	2.26	1(5.0)
	pCi/Kg wet	⁹⁵ Nb	1971.5 ~1977.3	20	0.0	19.2	4.83	5.34	(NORMAL)	20.9	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.5 ~1977.3	37	0.05	16.5	4.63	4.68	* *	18.7	0
	pCi/Kg wet	¹³⁷ Cs	1971.5 ~1977.3	26	2.29	17.7	7.76	3.68	NORMAL	18.8	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.5 ~1977.3	36	0.32	10.6	3.54	3.00	* *	12.5	0
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.5 ~1977.3	23	16.8	5020	2033	1326	NORMAL	601.1	0

11-4-2 Radionuclide Concentration in Brown Algae (Wakane, Kazime and Arame)

SN843-77-10

11-4-2 褐藻(ワカメ・カジメ・アラメ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/Kg wet	Gross β	1971.10 ~1977.3	38	0.0	10.5	4.66	2.26	NORMAL	11.4	0
	pCi/Kg wet	⁹⁰ Sr	1971.10 ~1977.3	21	0.0	8.4	3.01	0.93	NORMAL	5.8	3(14.3)
	pCi/Kg wet	⁹⁵ Zr	1971.10 ~1977.3	10	0.0	38.4	(1.90)	(4.47)	LOG-NORMAL	(25.5)	2(20)
	pCi/Kg wet	⁹⁵ Nb	1971.10 ~1977.3	10	0.0	18.1	4.00	3.42	NORMAL	14.3	3(30)
	pCi/Kg wet	⁹⁵ Nb	1971.10 ~1977.3	10	0.0	18.1	8.27	7.15	NORMAL	29.7	1(10)
	pCi/Kg wet	¹⁰⁶ Ru	1971.10 ~1977.3	25	0.1	16.5	5.75	4.97	2GROUP (NORMAL)	20.7	1(4)
	pCi/Kg wet	¹³⁷ Cs	1971.10 ~1977.3	18	2.3	10.5	6.05	2.29	NORMAL	12.9	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.10 ~1977.3	24	0.37	10.56	2.88	1.75	NORMAL	8.13	1(4.2)
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1977.3	13	20.7	414.0	15.99	80.06	NORMAL	400.1	1(7.7)

11-4-3 Radionuclide Concentration in Brown Algae (Wakame, Kazime, Arame and Hiziki)

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11-4-3 褐藻 (ワカメ・カジメ・アラメ・ヒジキ) 中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
Wakame, Kazime and Arame	pCi/g wet	Gross β	1971.10 ~1977.3	38	0.0	10.5	4.66	2.26	NORMAL	11.4	0
Hiziki	pCi/g wet	Gross β	1971.10 ~1977.3	25	5.0	19.1	11.9	3.1	NORMAL	21.2	0
Wakame, Kazime Arame and Hiziki	pCi/g wet	Gross β	1971.10 ~1977.3	63	0.0	19.1	8.14	4.64	2GROUP NORMAL	2.21	0
	pCi/kg wet	⁹⁰ Sr	1971.10 ~1977.3	42	0.0	9.1	3.18	1.34	NORMAL	7.2	2(4.8)
	pCi/kg wet	⁹⁵ Zr	1971.10 ~1977.3	28	0.0	38.4	4.56	4.03	2GROUR	16.7	3(10.3)
	pCi/kg wet	⁹⁵ Nb	1971.10 ~1977.3	28	0.0	39.2	7.04	6.00	* *	25.0	1(3.4)
	pCi/kg wet	¹⁰⁶ Ru	1971.10 ~1977.3	49	0.05	16.5	4.70	4.55	2GROUP	18.4	1(2.0)
	pCi/kg wet	¹³⁷ Cs	1971.10 ~1977.3	37	2.3	17.7	7.32	2.95	NORMAL	16.2	0
	pCi/kg wet	¹⁴⁴ Ce	1971.10 ~1977.3	47	0.32	10.6	2.38	1.64	2GROUP (NORMAL)	7.3	8(17.0)
	$\times 10^{-3}$ pCi/kg wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1977.3	30	16.8	502.0	189.1	97.04	NORMAL	480.2	1(3.3)

11-4-4 Radionuclide Concentration in Brown Algae (Hiziki)

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11-4-4 褐藻(ヒジキ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^{-3}$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a \pm \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/Kg wet	Gross β	1971.12 ~1977.3	25	5.0	19.1	11.9	3.1	NORMAL	21.2	0
	pCi/Kg wet	⁹⁰ Sr	1971.12 ~1977.3	21	1.4	9.1	2.8	1.1	NORMAL	6.1	2(9.5)
	pCi/Kg wet	⁹⁵ Zr	1971.12 ~1977.3	18	0.0	23.0	7.2	3.7	NORMAL	18.3	1(5.6)
	pCi/Kg wet	⁹⁵ Nb	1971.12 ~1977.3	18	0.0	19.2	9.1	1.8	NORMAL	14.5	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.12 ~1977.3	23	0.05	14.5	2.6	2.2	(NORMAL)	9.2	2(9)
	pCi/Kg wet	¹³⁷ Cs	1971.12 ~1977.3	19	2.7	17.7	8.1	3.2	NORMAL	17.7	1(5.3)
	pCi/Kg wet	¹⁴⁴ Ce	1971.12 ~1977.3	23	0.32	10.3	1.7	1.1	(NORMAL)	5.0	5(21.7)
	$\times 10^{-3}$ pCi/Kg wet	^{239,240} Pu	1971.12 ~1977.3	17	16.8	5020	2020	1095	NORMAL	530.5	0

11-4-5 Radionuclide Concentration in Brown Algae (Wakame)

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11-4-5 褐藻(ワカメ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.10 ~1976.4	19	0.0	8.05	3.39	2.37	NORMAL	10.5	0
	pCi/Kg wet	⁹⁰ Sr	1971.10 ~1976.4	10	0.0	5.04	2.74	1.59	NORMAL	7.5	0
	pCi/Kg wet	⁹⁵ Zr	1971.10 ~1976.4	14	0.10	16.46	6.38	5.51	NORMAL	22.9	0
	pCi/Kg wet	⁹⁵ Nb	1971.10 ~1976.4	7	2.29	9.48	5.50	2.35	* *	12.6	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.10 ~1976.4	13	0.37	10.56	4.28	2.78	NORMAL	12.6	0
	pCi/Kg wet	¹³⁷ Cs	1971.10 ~1976.4	6	20.7	414.0	156.4	144.8	* *	590.8	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.10 ~1976.4	2	0.40	3.0	1.70	1.84	* *	—	—
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1976.4	2	0.89	5.79	3.34	3.47	* *	—	—

11-4-6 Radionuclide Concentration in Brown Algae (Kazime and Arame)

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11-4-6 褐藻(カジメ・アラメ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \div (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1974.4 ~1977.3	19	1.56	10.5	5.15	2.36	NORMAL	12.2	0
	pCi/Kg wet	⁹⁰ Sr	1974.4 ~1977.3	11	2.2	8.42	3.24	0.56	NORMAL	4.92	3(27.3)
	pCi/Kg wet	⁹⁵ Zr	1974.4 ~1977.3	8	0.0	38.4	7.43	6.95	NORMAL	28.3	2(22.0)
	pCi/Kg wet	⁹⁵ Nb	1974.4 ~1977.3	8	0.0	18.1	10.24	7.52	NORMAL	32.8	1(11.0)
	pCi/Kg wet	¹⁰⁶ Ru	1974.4 ~1977.3	11	1.7	12.6	4.94	4.31	(NORMAL)	17.9	1(8.3)
	pCi/Kg wet	¹³⁷ Cs	1974.4 ~1977.3	11	3.5	10.5	6.50	2.28	(NORMAL)	13.3	0
	pCi/Kg wet	¹⁴⁴ Ce	1974.4 ~1977.3	11	0.58	7.4	2.22	1.38	(NORMAL)	6.4	3(27.3)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹ · ²⁴⁰ Pu	1974.4 ~1977.3	7	182.0	355.0	215.0	23.3	NORMAL	284.9	2(28.6)

11-5 Radionuclide Concentration in Red Algae

SN843-77-10

11-5 紅藻中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1975.3 ~1977.3	5	1.39	6.40	4.66	1.94	**	105	0
	pCi/Kg wet	⁹⁰ Sr	1975.3 ~1977.3	5	2.5	7.04	4.05	1.91	**	978	0
	pCi/Kg wet	⁹⁵ Zr	1975.3 ~1977.3	4	0.66	14.6	5.30	6.51	**	248	0
	pCi/Kg wet	⁹⁵ Nb	1975.3 ~1977.3	4	1.86	10.0	7.45	3.83	**	189	0
	pCi/Kg wet	¹⁰⁶ Ru	1975.3 ~1977.3	5	1.32	39.9	18.96	163	**	678	0
	pCi/Kg wet	¹³⁷ Cs	1975.3 ~1977.3	5	2.80	7.9	5.46	2.44	**	128	0
	pCi/Kg wet	¹⁴⁴ Ce	1975.3 ~1977.3	5	0.93	23.0	9.51	8.81	**	360	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1975.3 ~1977.3	3	430.0	1140.0	703.3	382.1	**	1849.6	0

11-6 Radionuclide Concentration in Shellfish (Flesh of Mussel)

SN843-77-10

11-6 貝類(貽貝)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.6 ~1977.3	23	0.46	2.7	132	0.61	NORMAL	3.15	0
	pCi/Kgwet	⁹⁰ Sr	1971.6 ~1977.3	13	0.0	5.7	1.76	1.37	NORMAL	5.87	0
	pCi/Kgwet	⁹⁵ Zr	1971.6 ~1977.3	10	0.0	3.64	1.16	1.36	NORMAL	5.24	0
	pCi/Kgwet	⁹⁵ Nb	1971.6 ~1977.3	10	0.0	10.15	4.70	3.70	NORMAL	15.8	0
	pCi/Kgwet	¹⁰⁶ Ru	1971.6 ~1977.3	18	0.61	76.3	21.15	18.26	NORMAL	76.0	1(5.6)
	pCi/Kgwet	¹³⁷ Cs	1971.6 ~1977.3	12	0.0	5.19	3.01	1.49	NORMAL	7.48	0
	pCi/Kgwet	¹⁴⁴ Ce	1971.6 ~1977.3	17	2.02	44.0	(8.2) 13.8	(2.9) 13.10	LOG-NORMAL NORMAL	(200.0) 53.1	0
	$\times 10^{-3}$ pCi/Kgwet	²³⁹⁻²⁴⁰ Pu	1971.6 ~1977.3	9	1.0	469.0	196.9	177.5	NORMAL	728.7	0

11-6 Radionuclide Concentration in Shellfish (Flesh of Clam, Ear-Shell and Kotamagai)

SN843-77-10

11-6 貝類(はまぐり・あわび・こたま貝)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$	$\mu_a + \sigma_a$	LOG-NORMAL		
	pCi/g wet	Groos β	1971.9 ~1977.2	38	0.5	2.42	130	0.31	NORMAL	223	1(26)
	pCi/Kg wet	⁹⁰ Sr	1971.9 ~1977.2	31	0.27	7.11	(1.00)	(1.80)	LOG-NORMAL	(5.8)	1(32)
							1.23	0.75	NORMAL	3.48	1(32)
	pCi/Kg wet	⁹⁵ Zr	1971.9 ~1977.2	26	0.0	2.11	3.98	3.72	(NORMAL)	15.1	1(38)
	pCi/Kg wet	⁹⁵ Nb	1971.9 ~1977.2	24	0.0	9.3	2.54	2.10	NORMAL	8.84	2(8.3)
	pCi/Kg wet	¹⁰⁶ Ru	1971.9 ~1977.2	34	2.76	112.1	11.09	8.82	2GROUP (NORMAL)	37.6	2(5.9)
	pCi/Kg wet	¹³⁷ Cs	1971.9 ~1977.2	30	0.0	5.2	2.83	1.10	NORMAL	6.13	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.9 ~1977.2	32	0.0	27.1	8.20	5.18	NORMAL	23.7	1(3.1)
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.9 ~1977.2	17	3.9	228.0	68.6	45.5	NORMAL	205.0	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a \pm \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.6 ~1977.3	61	0.46	2.7	1.34	0.47	NORMAL	2.75	1(1.6)
	pCi/Kg wet	⁹⁰ Sr	1971.6 ~1977.3	44	0.0	7.1	1.28	0.74	NORMAL	3.50	2(4.5)
	pCi/Kg wet	⁹⁵ Zr	1971.6 ~1977.3	36	0.0	21.1	3.52	3.42	NORMAL	13.8	1(2.8)
	pCi/Kg wet	⁹⁵ Nb	1971.6 ~1977.3	34	0.0	10.2	3.35	3.28	NORMAL	13.2	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.6 ~1977.3	52	0.61	112.1	13.5	10.6	2GROUP	45.2	1(1.9)
	pCi/Kg wet	¹³⁷ Cs	1971.6 ~1977.3	42	0.0	5.2	2.78	0.97	NORMAL	5.69	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.6 ~1977.3	49	0.0	44.0	8.29	5.23	NORMAL	24.0	4(8.2)
	$\times 10^3$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1971.6 ~1977.3	26	1.0	469.0	(130.0)	(2.6)	LOG-NORMAL	(2325.0)	0
							87.3	70.85	NORMAL	299.9	2(7.7)

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg) \times (σg)		LOG-NORMAL	$\mu_a + 3\sigma_a$	
							$\mu_a + \sigma_a$		NORMAL etc.	(99.7%)	
	pCi/g wet	Gross β	1971.12 ~1977.3	28	0.8	3.09	1.71	0.5	NORMAL	321	0
	pCi/kg wet	⁹⁰ Sr	1971.12 ~1977.3	16	1.4	14.03	8.80	3.57	2GROUP (NORMAL)	195	0
	pCi/kg wet	⁹⁵ Zr	1971.12 ~1977.3	10	0.0	17.0	(1.30)	(2.1)	LOG-NORMAL	(11.6)	3(30)
	pCi/kg wet	⁹⁵ Nb	1971.12 ~1977.3	10	0.0	116.0	2.17	1.50	NORMAL	6.67	4(40)
	pCi/kg wet	¹⁰⁶ Ru	1971.12 ~1977.3	19	0.39	35.0	4.14	3.08	NORMAL	13.4	0
	pCi/kg wet	¹³⁷ Cs	1971.12 ~1977.3	11	0.0	5.7	7.51	5.53	NORMAL	24.1	1(52)
	pCi/kg wet	¹⁴⁴ Ce	1971.12 ~1977.3	19	0.56	15.0	3.79	1.00	NORMAL	6.79	0
	$\times 10^{-3}$ pCi/kg wet	²³⁹⁻²⁴⁰ Pu	1971.12 ~1977.3	12	7.45	387.0	6.06	4.80	2GROUP (NORMAL)	20.5	0
							218.3	122.0	NORMAL	584.3	0

11-8 Radionuclide Concentration in Mollusca (Flesh)

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11-8 軟体類(タコ・イカ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							(μg)	(σg)	LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/K _w wet	Gross β	1971.10 ~1977.3	15	1.40	2.88	(1.75)	(1.40)	NORMAL	4.66	0
							1.86	0.44		3.20	0
	pCi/K _w wet	⁹⁰ Sr	1971.10 ~1977.3	11	0.06	3.40	123	128	NORMAL	5.07	0
	pCi/K _w wet	⁹⁵ Zr	1971.10 ~1977.3	11	0.0	26.56	8.61	8.53	NORMAL	34.2	0
	pCi/K _w wet	⁹⁵ Nb	1971.10 ~1977.3	11	0.0	24.96	4.60	7.82	NORMAL	28.1	0
	pCi/K _w wet	¹⁰⁶ Ru	1971.10 ~1977.3	12	0.0	2.30	0.40	0.66	NORMAL	2.38	0
	pCi/K _w wet	¹³⁷ Cs	1971.10 ~1977.3	11	1.85	6.10	3.31	1.28	NORMAL	7.15	0
	pCi/K _w wet	¹⁴⁴ Ce	1971.10 ~1977.3	12	0.17	3.40	(0.60)	(2.5)	LOG-NORMAL (NORMAL)	(9.38)	0
							1.01	1.15		4.46	0
	$\times 10^{-3}$ pCi/K _w wet	²³⁹⁻²⁴⁰ Pu	1971.10 ~1977.3	10	7.60	132.0	44.0	40.2	NORMAL	164.6	0

12 Radiation Rate at the Surface of Sea-Shore Sand, Fishing Net and Sample Board
on Monitoring Boat

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12 海岸砂・漁網および船体片の表面線量率

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
Sea-Shore Sand	cpm	G.M. ($\beta \cdot \tau$)	1973.8 ~1977.4	82	24.0	119.0	60.2	19.3	NORMAL	118.0	1(12)
	cpm	G.M.S.W. ($\beta \cdot \tau$)	1973.8 ~1976.7	46	24.0	109.0	54.4	15.0	(NORMAL)	99.4	1(44)
	cpm	G.M.E.W. ($\beta \cdot \tau$)	1976.8 ~1977.3	36	36.0	119.0	67.5	21.7	NORMAL	129.6	0
	$\mu R/hr$	NaI (τ)	1973.8 ~1977.4	110	1.1	8.4	3.6	1.3	NORMAL	7.5	2(18)
Fishing Net	cpm	G.M. ($\beta \cdot \tau$)	1975.6 ~1977.3	8	46.0	103.0	67.25	17.85	NORMAL	120.8	0
	$\mu R/hr$	NaI (τ)	1975.6 ~1977.3	8	6.6	9.2	8.31	0.92	NORMAL	11.1	0
Sample Board on Monitoring Bote	cpm	(G.M.) ($\beta \cdot \tau$)	1975.9 ~1977.3	7	54.0	83.0	6.51	9.75	NORMAL	94.4	0
	$\mu R/hr$	NaI (τ)	1975.9 ~1977.3	7	7.3	9.7	8.56	0.92	NORMAL	11.3	0

13. Radionuclide Concentration-in Fishing Net

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13. 漁網中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	USUAL DATA 平常値				
							MEAN	STANDARD DEVIATION	TYPE OF DISTRIBUTION	$(\mu g \times \sigma g^3)$ $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY%)
							$(\mu g) \times (\sigma g)$		LOG-NORMAL		
							$\mu_a + \sigma_a$		NORMAL etc.		
	pCi/g wet	Gross β	1975.1 ~1977.1	9	0.31	10.1	332	3.74	(NORMAL)	14.5	0
	pCi/Kg wet	⁹⁰ Sr	1975.1 ~1977.1	8	1.32	8.06	4.03	2.75	* *	12.3	0
	pCi/Kg wet	⁹⁵ Zr	1975.1 ~1977.1	8	0.09	1639	3538	5813	* *	2098.	0
	pCi/Kg wet	⁹⁵ Nb	1975.1 ~1977.1	8	0	1224	1549	4319	* *	1451.	0
	pCi/Kg wet	¹⁰⁶ Ru	1975.1 ~1977.1	8	0.85	5.31	282	1.95	(NORMAL)	8.67	0
	pCi/Kg wet	¹³⁷ Cs	1975.1 ~1977.1	8	0.22	23.4	5.47	7.70	NORMAL	2857	0
	pCi/Kg wet	¹⁴⁴ Ce	1975.1 ~1977.1	8	2.07	82.9	15.8	27.4	(NORMAL)	98.0	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1975.1 ~1977.1	5	3.2	823.0	386.8	368.3	NORMAL	1492	0

3. 事前環境モニタリング結果

STATISTICS ON PREOPERATIONAL
ENVIRONMENTAL MONITORING

(SPEM)

1-1 Terrestrial Gamma Exposure Rate Observed with Monitoring-Station

1-2 Terrestrial Gamma Exposure Rate Observed with Monitoring-Post

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1-1 モニタリングステーション空間線量率

1-2 モニタリングポスト空間線量率

MONITORING SYSTEM モニタリング系 MONITORING STATION モニタリングステーション MONITORING POST モニタリングポスト	DIMENSION 単位	AVERAGING TIME 平均時間化	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STANDARD-DEVIATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
ALL THE POST	$\mu R/hr$	1 hr	1975.5 ~1977.3	15105	5.5	18.9	(7.0)	(1.21)	LOG-NORMAL	(12.7)	60 (0.4)
	$\mu R/hr$	1 month	1975.5 ~1977.3	24	6.7	8.9	(7.0)	(1.10)	LOG-NORMAL	(9.3)	0
	$\mu R/hr$	3 months	1975.5 ~1977.3	7	6.7	8.2	(7.0)	(1.09)	LOG-NORMAL	(9.0)	0
ALL THE STATION	$\mu R/hr$	1 hr	1975.5 ~1977.3	17204	2.7	8.5	(3.9)	(1.23)	LOG-NORMAL	(7.3)	10 (<0.1)
	$\mu R/hr$	1 month	1975.5 ~1977.3	24	3.8	5.2	(3.9)	(1.15)	LOG-NORMAL	(6.0)	0
	$\mu R/hr$	3 months	1975.5 ~1977.3	8	3.9	4.8	(3.9)	(1.13)	LOG-NORMAL	(5.6)	0

2 Integrated Dose Observed with Thermoluminescent Dosimetry

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2 積算線量

EVALUATING TERM 評価項目	DIMENSION 単位	EVALUATING AREA 評価地域	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STANDARD DEVIATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
1. NET DOSE (正味線量)	mrem/3months	ON AND OFF-SITE 敷地内外	1973.10 ~1977.2	511	4.0	15.0	9.0	2.1	NORMAL	15.3	0
2. CONTROL VALUE (自己汚染分)	mrem/3months	CONTROL (自己汚染)	1973.10 ~1977.2	13	6.0	9.0	7.1	0.9	NORMAL	10.0	0

3-1 Radionuclide Concentration in Air-Borne Dust

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3-1 大氣中浮遊塵

AVERAGING TIME 平均化時間	DIMENSION 單位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件數	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
3 months	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	73	1.0	145.0	9.0	21.0	2 GROUP (NORMAL)	72.0	1 (1.4)
	$\times 10^{-15} \mu Ci / cm^3$	^{90}Sr	1974.10 ~1977.3	72	0.1	2.34	0.53	0.41	2 GROUP (NORMAL)	1.76	22 (2.8)
	$\times 10^{-15} \mu Ci / cm^3$	^{137}Cs	1974.10 ~1977.3	72	0.02	1.8	0.45	0.42	3 GROUP (NORMAL)	1.71	1 (1.4)
	$\times 10^{-18} \mu Ci / cm^3$	$^{239-240}Pu$	1974.10 ~1977.3	72	1.07	21.7	(5.0)	(2.0)	(LOG-NORMAL)	(40.0)	0
	$\times 10^{-15} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	72	0.40	12.0	1.25	0.62	NORMAL	5.6	0
1 week	$\times 10^{-15} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	900	0.0	11.1	(0.90)	(2.20)	LOG-NORMAL	(9.8)	1 (0.1)
	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	900	0.0	1683.3	(2.5)	(4.0)	LOG-NORMAL	(162.4)	36 (0.4)
1 month	$\times 10^{-15} \mu Ci / cm^3$	Gross α	1974.10 ~1977.3	216	0.2	5.3	(0.95)	(1.79)	LOG-NORMAL	(5.4)	0
	$\times 10^{-14} \mu Ci / cm^3$	Gross β	1974.10 ~1977.3	216	0.5	451.8	(2.5)	(4.0)	LOG-NORMAL	(160.)	3 (1.4)

3-3 Gaseous BETA Radioactive Concentration in Atmosphere

3-3 大気中β放射性ガス濃度

AVERAGING TIME 平均化時間	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	cpm	1 hr	19754 ~19773	14822	81	134	983	9.4	NORMAL	126.9	15 (0.1)
	cpm	1 day	19754 ~19773	640	83.8	121.6	98.4	7.7	NORMAL	121.5	1 (<0.1)
	cpm	1 month	19754 ~19773	21	87.7	110.3	98.4	6.7	NORMAL	118.1	0
	cpm	3 months	19754 ~19773	7	88.8	105.5	98.4	6.3	NORMAL	117.3	0

4. Radionuclide Concentration in Fall-Out Material

4. 降下塵中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
ALL	mCi/km ²	Gross β	1971.5 ~1977.4	70	0.11	15.3	(1.1)	(4.4)	LOG-NORMAL	(93.7)	0
SPECIAL	mCi/km ²	Gross β	1971.5 ~1977.4	24	0.73	15.3	(3.4)	(2.8)	LOG-NORMAL	(74.6)	0

5-1 Radionuclide Concentration in Rain Water

5-1 雨水中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
ALL	pCi/l	Gross β	1974.5 ~1977.4	107	0.1	2232	(120)	(25)	LOG-NORMAL	(187.5)	1(0.9)
SPECIAL	pCi/l	Gross β	1974.5 ~1977.4	57	10.2	2232	(220)	(25)	LOG-NORMAL	(352.6)	0
ALL	pCi/l	3H	1974.5 ~1977.4	48	0.0	407	104.8	112.7	NORMAL	4429	0

5-2 Radionuclide Concentration in River Water

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5-2 河川水中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
ALL	pCi/l	3H	1971.4 ~1977.4	15	0.0	270.0	165.0	80.6	NORMAL	406.8	0
(Gas Flow)	pCi/l	Gross β	1971.4 ~1977.4	37	0.0	6.3	2.8	1.2	NORMAL	6.4	0
(GM)	pCi/l	Gross β	1971.4 ~1977.4	122	0.0	16.0	4.6	3.20	NORMAL	14.2	0

5-3 Radionuclide Concentration in Drinking Water

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5-3 飲料水中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
Tap Water+ Pond Water (Gas flow)	pCi/l	Gross β	1975.2 ~1977.1	35	0.80	3.40	1.90	0.60	NORMAL	3.7	0
Tap Water (GM)	pCi/l	Gross β	1973.6 ~1975.1	18	0.0	5.4	1.60	2.00	NORMAL	7.6	0
Well Water (NAGASUNA)	pCi/l	Gross β	1974.4 ~1977.1	23	4.0	33.6	18.6	8.0	NORMAL	42.6	0
ALL	pCi/l	3H	1975.8 ~1977.1	17	0.0	260.0	118.8	86.0	NORMAL	377.0	0

6-1 Radionuclide Concentration in Surface Soil

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6-1 表土中放射性物質濃度

SPECIEC 測定対象	DIMENSION 単 位	NUCLIDE 核 種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件 数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g dry	Gross β	1971.4 ~1977.3	141	24	189	127	33	NORMAL	216	0
	pCi/Kg dry	^{90}Sr	1971.4 ~1977.3	74	0.52	1451.	338.0	280.0	NORMAL	1178.0	1(1.4)
	pCi/Kg dry	^{137}Cs	1971.4 ~1977.3	74	33.0	2270.	585.4	580.1	2GROUP	2325.7	0
	pCi/Kg dry	$^{239-240}Pu$	1971.4 ~1977.3	58	0.2	49.0	14.1	125	(LOG-NORMAL) 2GROUP	51.6	0

6-2 Radionuclide Concentration in River Sediment

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6-2 河底土中放射性物質濃度

SPECIES 測定対象	DIMENSION	NUCLIDE	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g dry	Gross β	1971.4 ~1976.4	100	3.2	25.7	15.5	3.2	NORMAL	25.1	1(1)

7-1 Radionuclide Concentration in Vegetation

7-1 野菜中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	1973.7 ~1977.3	41	0.8	8.09	(2.30)	(1.65)	LOG-NORMAL	(10.4)	0
	pCi/Kg wet	^{90}Sr	1973.7 ~1977.3	37	5.1	65.0	20.7	12.8	NORMAL	^u 59.1	1(2.7)
	pCi/Kg wet	^{137}Cs	1973.7 ~1977.3	21	0.0	10.9	2.64	3.3	* *	12.54	2(9.5)
	$\times 10^3$ pCi/Kg wet	$^{239, 240}Pu$	1973.7 ~1977.3	32	0.0	160.0	(8.4)	(2.7)	LOG-NORMAL	(161.4)	0

7-2 Radionuclide Concentration in Pasture

7-2 牧草中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD- DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	1973.7 ~1976.10	15	0.072	10.3	4.71	2.2	NORMAL	11.3	0
	pCi/Kg wet	⁹⁰ Sr	1973.7 ~1976.10	13	2.46	83.7	31.2	21.2	NORMAL	94.8	0
	pCi/Kg wet	¹³⁷ Cs	1973.7 ~1976.10	6	0.0	10.5	3.39	5.25	* *	19.14	1(16.7)
	$\times 10^{-3}$ pCi/Kg wet	²³⁹ · ²⁴⁰ Pu	1973.7 ~1976.10	13	5.4	437.0	121.4	138.5	* *	536.0	0
	pCi/Kg wet	¹³¹ I	1973.7 ~1976.10	6	0.0	10.0	3.0	5.0	NORMAL	18.0	0

7-3 Radionuclide Concentration in Crop

7-3 米・麦中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD- DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	1973.7 ~1976.10	18	0.3	6.1	2.5	1.7	NORMAL	7.6	0
	pCi/Kg wet	⁹⁰ Sr	1973.7 ~1976.10	14	0.35	20.6	6.92	6.30	NORMAL	25.8	0
	pCi/Kg wet	¹³⁷ Cs	1973.7 ~1976.10	6	0.0	30.0	9.78	11.04	NORMAL	42.9	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	1973.7 ~1976.10	6	0.0	50.0	13.07	19.49	NORMAL	71.5	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/ml	Gross β	1974.1 ~1977.4	34	0.4	1.9	1.2	0.32	NORMAL	216	0
	pCi/l	^{90}Sr	1974.1 ~1977.4	31	0.3	128	3.7	2.9	2GROUP (NORMAL)	124	1(3.2)
	pCi/l	^{137}Cs	1974.1 ~1977.4	14	0.0	8.3	4.6	3.3	NORMAL	145	0
	$\times 10^{-3}$ pCi/l	$^{239} + ^{240}$ Pu	1974.1 ~1977.4	10	0.0	1.0	5.0	5.5	NORMAL	215	0

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 評価期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD- DEVI- ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/l	Gross β	1971.4 ~1977.1	142	0.1	3.9	1.50	0.76	NORMAL	3.8	2(1.4)
	pCi/l	^{90}Sr	1971.4 ~1977.1	27	0.14	0.48	0.31	0.11	NORMAL	0.64	0
	pCi/l	^{95}Zr	1971.4 ~1977.1	24	0.0	0.18	0.04	0.056	* *	0.21	0
	pCi/l	^{95}Nb	1971.4 ~1977.1	24	0.0	0.18	0.046	0.042	NORMAL	0.17	1(4.2)
	pCi/l	^{106}Ru	1971.4 ~1977.1	27	0.0	0.1	0.043	0.026	* *	0.12	0
	pCi/l	^{137}Cs	1971.4 ~1977.1	27	0.02	0.31	0.20	0.074	NORMAL	0.42	0
	pCi/l	^{144}Ce	1971.4 ~1977.1	27	0.0	0.13	0.046	0.04	NORMAL	0.17	0
	$\times 10^{-3}$ pCi/l	$^{239-240}\text{Pu}$	1971.4 ~1977.1	40	0.0	12.0	2.71	3.12	2 GROUP	12.1	0
	pCi/l	^3H	1971.4 ~1977.1	68	0.0	420.0	75.0	85.4	NORMAL	331.2	1(1.5)

SPECIES 測定対象	DIMENTION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/l	Gross β	1971.6 ~1976.3	140	0.0	2.94	1.2	0.6	NORMAL	3.0	0
	pCi/l	^{90}Sr	1971.6 ~1976.3	109	0.13	2.0	0.31	0.20	NORMAL (2GROUP)	0.91	1(0.9)
	pCi/l	^{95}Zr	1971.6 ~1976.3	82	0.0	0.34	0.07	0.07	2GROUP (NORMAL)	0.28	1(1.2)
	pCi/l	^{95}Nb	1971.6 ~1976.3	82	0.0	1.7	0.12	0.21	2GROUP (NORMAL)	0.75	1(1.2)
	pCi/l	^{106}Ru	1971.6 ~1976.3	110	0.0	0.24	0.048	0.048	2GROUP (NORMAL)	0.192	2(1.8)
	pCi/l	^{137}Cs	1971.6 ~1976.3	99	0.02	1.06	0.28	0.16	NORMAL	0.76	0
	pCi/l	^{144}Ce	1971.6 ~1976.3	104	0.0	0.28	0.044	0.056	* *	0.212	3(2.9)
	$\times 10^{-3}$ pCi/l	$^{239,240}\text{Pu}$	1971.6 ~1976.3	64	0.0	1.70	0.65	0.38	NORMAL	1.79	0
	pCi/l	^3H	1971.6 ~1976.3	79	0.0	356.0	7.65	82.9	NORMAL	325.0	4(5.1)

9. Radionuclide Concentration in Sea Sediment

9. 海底土中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g dry	Gross β	1971.7 ~1977.4	261	6.0	33.2	(13.5)	(1.26)	LOG-NORMAL	(27.0)	1(0.4)
	pCi/Kg dry	^{90}Sr	1971.7 ~1977.4	148	0.04	24.4	4.8	3.3	NORMAL	14.7	2(1.5)
	pCi/Kg dry	^{95}Zr	1971.7 ~1977.4	56	0.0	210.0	20.5	44.7	NORMAL	154.6	3(6)
	pCi/Kg dry	^{95}Nb	1971.7 ~1977.4	56	0.0	160.0	18.0	33.3	NORMAL	117.9	1(2)
	pCi/Kg dry	^{106}Ru	1971.7 ~1977.4	132	0.0	242.0	(14.0)	(2.6)	LOG-NORMAL	(246.1)	0
	pCi/Kg dry	^{137}Cs	1971.7 ~1977.4	91	9.0	75.0	30.6	12.8	NORMAL	69.0	2(2.2)
	pCi/Kg dry	^{144}Ce	1971.7 ~1977.4	108	8.0	593.0	(60.0)	(2.3)	(LOG-NORMAL)	(730.0)	0
	pCi/Kg dry	$^{239,240}\text{Pu}$	1971.7 ~1977.4	144	2.0	64.5	(12.0)	(1.8)	LOG-NORMAL	(70.0)	0
	pCi/Kg dry	U	1971.7 ~1977.4	13	0.5	2.2	1.2	0.52	NORMAL	2.76	0

10. Radionuclide Concentration in Sea-Shore Sand

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10. 海岸砂中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g dry	Gross β	19735 ~19773	195	4.02	20.3	12.8	3.32	NORMAL	22.8	0
	pCi/Kg dry	^{90}Sr	19735 ~19773	28	1.3	11.6	4.7	2.6	NORMAL	12.5	0
	pCi/Kg dry	^{95}Zr	19735 ~19773	39	0.0	50.0	9.7	12.8	NORMAL	47.9	1 (2.5)
	pCi/Kg dry	^{95}Nb	19735 ~19773	41	0.0	64.0	5.1	11.3	NORMAL	48.1	1 (2.5)
	pCi/Kg dry	^{106}Ru	19735 ~19773	30	0.0	28.9	6.9	8.2	NORMAL	31.5	0
	pCi/Kg dry	^{137}Cs	19735 ~19773	46	0.0	51.0	17.7	11.7	NORMAL	52.8	0
	pCi/Kg dry	^{144}Ce	19735 ~19773	28	0.0	28.6	10.4	9.1	NORMAL	37.7	0
	pCi/Kg dry	$^{239-240}Pu$	19735 ~19773	66	0.35	19.1	(3.3)	(2.1)	(LOG-NORMAL)	(30.6)	0

11-1 Radionuclide Concentration in Fish(Flesh of Adult Fish)

SN843-77-10

11-1 成魚(可食部)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD- DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	1971.6 ~1977.2	96	0.2	6.0	2.6	1.1	NORMAL	5.9	1(1.9)
	pCi/Kg wet	^{90}Sr	1971.6 ~1977.2	54	0.08	1.97	0.86	0.52	NORMAL	2.42	0
	pCi/Kg wet	^{95}Zr	1971.6 ~1977.2	31	0.0	15.8	2.7	4.5	NORMAL	16.2	0
	pCi/Kg wet	^{95}Nb	1971.6 ~1977.2	31	0.0	7.7	1.4	1.8	NORMAL	6.8	1(3.8)
	pCi/Kg wet	^{106}Ru	1971.6 ~1977.2	56	0.0	2.21	0.37	0.51	NORMAL	1.9	0
	pCi/Kg wet	^{137}Cs	1971.6 ~1977.2	46	4.0	13.9	8.05	2.45	NORMAL	15.4	0
	pCi/Kg wet	^{144}Ce	1971.6 ~1977.2	55	0.0	1.6	(0.1)	(4.7)	LOG-NORMAL	(10.4)	0
	$\times 10^{-3}$ pCi/Kg wet	$^{239-240}\text{Pu}$	1971.6 ~1977.2	32	0.1	371.0	30.2	78.9	2GROUP	266.9	1(4)

11-2 Radionuclide Concentration in Fish (Whole of White Bait)

SN843-77-10

11-2 シラス・白魚中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Groos β	1971.5 ~1977.3	57	0.25	5.6	237	0.94	NORMAL	5.09	1 (1.9)
	pCi/Kg wet	^{90}Sr	1971.5 ~1977.3	43	0.01	6.7	1.08	1.12	2GROUP	4.44	0
	pCi/Kg wet	^{95}Zr	1971.5 ~1977.3	28	0.0	58.0	5.85	14.2	* *	48.5	1 (3.6)
	pCi/Kg wet	^{95}Nb	1971.5 ~1977.3	28	0.0	10.4	2.4	2.5	NORMAL	9.9	1 (3.6)
	pCi/Kg wet	^{106}Ru	1971.5 ~1977.3	45	0.0	6.4	1.0	1.4	2GROUP	5.2	1 (2.3)
	pCi/Kg wet	^{137}Cs	1971.5 ~1977.3	37	2.5	11.3	5.7	1.86	NORMAL	11.3	1 (2.7)
	pCi/Kg wet	^{144}Ce	1971.5 ~1977.3	45	0.0	7.18	1.28	1.64	2GROUP	6.2	1 (2.2)
	$\times 10^{-3}$ pCi/Kg wet	$^{239-240}\text{Pu}$	1971.5 ~1977.3	27	0.06	85.3	28.8	22.9	NORMAL	97.5	0

11-4 Radionuclide Concentration in Brown Algae

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11-4 褐藻中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
Hiziki	pCi/g wet	Gross β	1971.12 ~1977.3	25	5.0	19.1	12.3	3.4	NORMAL	22.5	0
Wakame	pCi/g wet	Gross β	1971.10 ~1976.4	19	0.0	8.05	3.39	2.37	NORMAL	7.5	0
Hiziki and Wakame	pCi/g wet	Gross β	1971.5 ~1977.3	44	0	19.1	8.47	5.36	NORMAL	24.6	0
	pCi/Kg wet	^{90}Sr	1971.5 ~1977.3	31	0	9.10	(2.8)	(1.64)	LOG-NORMAL	(12.4)	0
	pCi/Kg wet	^{95}Zr	1971.5 ~1977.3	20	0	23.0	4.71	5.96	NORMAL	22.6	1(5.0)
	pCi/Kg wet	^{95}Nb	1971.5 ~1977.3	20	0	19.2	4.83	5.34	(NORMAL)	20.9	0
	pCi/Kg wet	^{106}Ru	1971.5 ~1977.3	37	0.05	16.5	4.63	4.68	* *	18.9	0
	pCi/Kg wet	^{137}Cs	1971.5 ~1977.3	26	2.29	17.7	7.76	3.68	NORMAL	18.8	0
	pCi/Kg wet	^{144}Ce	1971.5 ~1977.3	36	0.32	10.6	2.50	(2.60)	LOG-NORMAL	(43.9)	0
	$\times 10^{-3}$ pCi/Kg wet	$^{239,240}Pu$	1971.5 ~1977.3	23	16.8	502.0	203.3	132.6	NORMAL	601.1	0

11-5 Radionuclide Concentration in Red Algae

SN843-77-10

11-5 紅藻中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	19753 ~19773	5	1.39	6.40	4.66	1.94	* *	105	0
	pCi/Kg wet	⁹⁰ Sr	19753 ~19773	5	25	7.04	4.05	1.91	* *	978	0
	pCi/Kg wet	⁹⁵ Zr	19753 ~19773	4	0.66	14.6	5.3	6.51	* *	24.8	0
	pCi/Kg wet	⁹⁵ Nb	19753 ~19773	4	1.86	10.0	7.45	3.83	* *	18.9	0
	pCi/Kg wet	¹⁰⁶ Ru	19753 ~19773	5	1.32	39.9	18.96	16.3	* *	67.8	0
	pCi/Kg wet	¹³⁷ Cs	19753 ~19773	5	280	7.9	5.46	2.44	* *	128	0
	pCi/Kg wet	¹⁴⁴ Ce	19753 ~19773	5	0.93	23.0	9.51	8.81	* *	36.0	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁻²⁴⁰ Pu	19753 ~19773	3	4300	11400	7033	3821	* *	1849.6	0

11-6 Radionuclide Concentration in Shellfish (Flesh)

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11-6 貝類中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	1971.6 ~1977.3	61	0.46	27	1.34	0.44	NORMAL	7.52	1(1.6)
	pCi/Kg wet	⁹⁰ Sr	1971.6 ~1977.3	44	0.0	7.1	1.52	1.3	NORMAL	5.42	2(4.5)
	pCi/Kg wet	⁹⁵ Zr	1971.6 ~1977.3	36	0.0	21.1	3.8	5.3	NORMAL	19.7	1(2.8)
	pCi/Kg wet	⁹⁵ Nb	1971.6 ~1977.3	34	0.0	10.2	3.6	3.4	NORMAL	13.8	0
	pCi/Kg wet	¹⁰⁶ Ru	1971.6 ~1977.3	52	0.61	112.1	17.5	20.1	2GROUP	77.8	0
	pCi/Kg wet	¹³⁷ Cs	1971.6 ~1977.3	42	0.0	5.2	2.8	1.3	NORMAL	6.7	0
	pCi/Kg wet	¹⁴⁴ Ce	1971.6 ~1977.3	49	0.0	44.0	(11.0)	(2.4)	LOG-NORMAL	(152.0)	0
	$\times 10^{-3}$ pCi/Kg wet	²³⁹⁺²⁴⁰ Pu	1971.6 ~1977.3	26	1.0	469.0	(125.0)	(26.8)	LOG-NORMAL	(2300.)	0

11-7 Radionuclide Concentration in Crustacea (Whole Body)

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11-7 甲殻類(カニ・エビ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	1971.12 ~1977.3	28	0.8	3.09	1.71	0.55	NORMAL	3.36	0
	pCi/Kg wet	^{90}Sr	1971.12 ~1977.3	16	1.4	14.03	7.78	4.01	(NORMAL)	19.8	0
	pCi/Kg wet	^{95}Zr	1971.12 ~1977.3	10	0.0	17.0	4.25	5.38	NORMAL	20.4	0
	pCi/Kg wet	^{95}Nb	1971.12 ~1977.3	10	0.0	116.0	14.1	36.0	NORMAL	122.1	0
	pCi/Kg wet	^{106}Ru	1971.12 ~1977.3	19	0.39	35.0	9.2	8.3	NORMAL	34.1	1(5)
	pCi/Kg wet	^{137}Cs	1971.12 ~1977.3	11	0.0	5.7	3.45	1.49	NORMAL	7.95	0
	pCi/Kg wet	^{144}Ce	1971.12 ~1977.3	19	0.56	15.0	(4.0)	(3.3)	LOG-NORMAL	(144.0)	0
	$\times 10^3$ pCi/Kg wet	$^{238-240}Pu$	1971.12 ~1977.3	12	7.45	387.0	218.3	122.0	NORMAL	584.3	0

11-8 Radionuclide Concentration in Mollusca (Flesh)

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11-8 軟体類(タコ・イカ)中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	1971.10 ~1977.3	15	1.40	288	1.86	0.44	NORMAL	3.20	0
	pCi/Kg wet	^{90}Sr	1971.10 ~1977.3	11	0.06	3.40	1.23	1.28	NORMAL	5.07	0
	pCi/Kg wet	^{95}Zr	1971.10 ~1977.3	11	0.0	26.56	8.61	2.53	NORMAL	3.42	0
	pCi/Kg wet	^{95}Nb	1971.10 ~1977.3	11	0.0	24.96	4.60	7.82	NORMAL	28.1	0
	pCi/Kg wet	^{106}Ru	1971.10 ~1977.3	12	0.0	2.30	0.40	0.66	NORMAL	2.38	0
	pCi/Kg wet	^{137}Cs	1971.10 ~1977.3	11	1.85	6.10	3.31	1.28	NORMAL	7.15	0
	pCi/Kg wet	^{144}Ce	1971.10 ~1977.3	12	0.17	3.40	(0.60)	(2.5)	LOG-NORMAL	(9.38)	0
	$\times 10^{-3}$ pCi/Kg wet	$^{239} \cdot ^{240}Pu$	1971.10 ~1977.3	10	7.60	132.0	4.40	40.2	NORMAL	164.6	0

12 Radiation Rate at the of Sea-Shore Sand, Fishing Net and Sample Board
on Monitoring Boat

SN843-77-10

12 海岸砂・漁網および船体片の表面線量率

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD -DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
Sea-Shore Sand	cpm	G. M. S. W. (β . γ)	1973.8 ~1976.7	46	24.0	109.0	54.5	15.0	(NORMAL)	99.4	1(4.4)
	cpm	G. M. E. W.	1976.8 ~1977.3	36	36.0	119.0	67.5	21.7	NORMAL	129.6	0
	$\mu R/hr$	NaI (γ)	1973.8 ~1977.4	110	1.1	8.4	3.6	1.3	NORMAL	7.5	2(1.8)
Fishing Net	cpm	G. M. (β . γ)	1975.6 ~1977.3	8	46.0	103.0	67.25	17.85	NORMAL	120.8	0
	$\mu R/hr$	NaI (γ)	1975.6 ~1977.3	8	6.6	9.2	8.31	0.92	NORMAL	11.1	0
Sample Board on Monitoring Bort	cpm	(G. M.) (β . γ)	1975.9 ~1977.3	7	54.0	83.0	65.1	9.75	NORMAL	94.4	0
	$\mu R/hr$	NaI (γ)	1975.9 ~1977.3	7	7.3	9.7	8.56	0.92	NORMAL	11.3	0

13. Radionuclide Concentration—in Fishing Net

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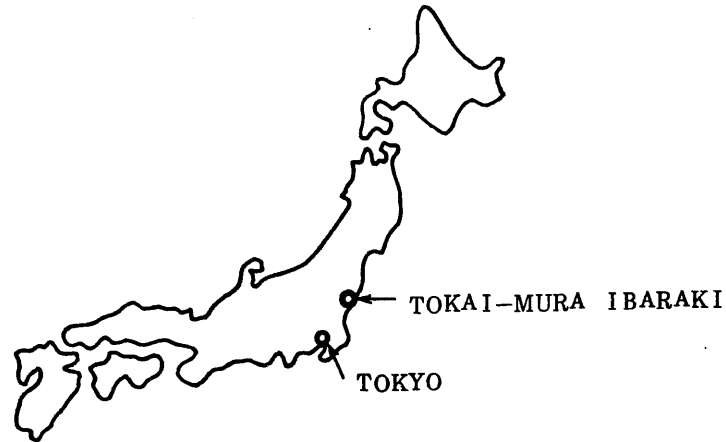
13. 漁網中放射性物質濃度

SPECIES 測定対象	DIMENSION 単位	NUCLIDE 核種	SAMPLING DURATION 測定期間	NUMBER OF DATA 件数	(MIN.) 最小値	(MAX.) 最大値	MEAN (μg) or μ_a	STAN- DARD- DEVI- -ATION (σg) or σ_a	TYPE OF DISTRIBUTION	($\mu g \times \sigma g^3$) or $\mu_a + 3\sigma_a$ (99.7%)	NUMBER OF DATA OVER 99.7% VALUE (FREQUENCY %)
	pCi/g wet	Gross β	1975.1 ~1977.1	9	0.31	10.1	3.32	3.74	(NORMAL)	14.5	0
	pCi/Kg wet	^{90}Sr	1975.1 ~1977.1	8	1.32	806	4.03	2.75	* *	123	0
	pCi/Kg wet	^{95}Zr	1975.1 ~1977.1	8	0.09	1639	353.8	581.3	* *	2098	0
	pCi/Kg wet	^{95}Nb	1975.1 ~1977.1	8	0	1224	154.9	431.9	* *	1451	0
	pCi/Kg wet	^{106}Ru	1975.1 ~1977.1	8	0.85	531	2.82	1.95	(NORMAL)	8.67	0
	pCi/Kg wet	^{137}Cs	1975.1 ~1977.1	8	0.22	234	5.47	7.70	NORMAL	28.6	0
	pCi/Kg wet	^{144}Ce	1975.1 ~1977.1	8	2.07	829	15.8	2.74	(NORMAL)	98.0	0
	$\times 10^{-3}$ pCi/Kg wet	$^{239+240}Pu$	1975.1 ~1977.1	5	3.2	8230	386.8	368.3	NORMAL	1492	0

付 録

A P P E N D I X

1. NOMENCLATURE 記号の説明
2. TABLE FOR NUMBERING TO THE FIGURES AND TABLES
図表 番号 対応表
3. MAP OF MONITORING AND SAMPLING POINTS (AREA)
採取・測定点(区域)地図



NOMENCLATURE

1. MEAN

$$M_g = \frac{1}{N} \sum X_i$$

$$X_i = \text{Ln } X_i$$

$$\mu_g = \text{EXP}(M_g) \text{ or } (X_{50\%}) : \text{GEOMETRIC MEAN or } (X_{50\%}) \text{ VALUE}$$

N : NUMBER OF DATA

X_i : VALUE OF DATA

EXP : EXPONENTIAL FUNCTION

Ln : NATURAL LOGARITHM

$$\mu_a = \frac{1}{N} \sum X_i$$

: ARITHMETIC MEAN

2. STANDARD DEVIATION

(Root Mean Square of Variance)

$$V_g = \frac{1}{N} \sum (X_i - M_g)^2$$

$$\sigma_g = \text{EXP} \sqrt{V_g} \quad \text{or} \quad \left(\frac{X_{84.13\%}}{X_{50\%}} \right)$$

σ_g : GEOMETRIC STANDARD DEVIATION or $\left(\frac{X_{84.13\%}}{X_{50\%}} \right)$ VALUE

$$\sigma_a = \sqrt{\frac{1}{N} \sum (X_i - \mu_a)^2}$$

σ_a : ARITHMETIC STANDARD DEVIATION

(Root Mean Square of Variance)

3. TYPE OF DISTRIBUTION

LOG-NORMAL : LOG-NORMAL DISTRIBUTION

NORMAL : NORMAL DISTRIBUTION

* * : DISTRIBUTION WITHOUT LOG-NORMAL OR
NORMAL DISTRIBUTION
(UNKNOWN DISTRIBUTION)

N. GROUP : N DIFFERENT GROUP DISTRIBUTION

() : () DISTRIBUTION NEAR
CRITICAL REGION OF () DISTRIBUTION

NOMENCLATURE USED NUMBERING TABLE

1. DATA SORTING

- ALL : BASED ON ALL THE DATA
- USUAL : BASED ON THE DATA WITHIN USUAL RANGE
- SPECIAL : BASED ON THE SPECIAL GROUP DATA
(DATA OF NUCLEAR WEAPON TESTS, SPRING-PEAK,
DIFFERENT ANALYTICAL METHOD, DIFFERENT DETECTOR OR
DIFFERENT GROUP (EX. Well Water CONTAIN ⁴⁰K AND Tap
Water))
- A-U : BASED ON THE DATA WITHOUT USUAL ONES
- ONE : BASED ON ONE SAMPLE (FOR REPRESENTATIVE TEST)
- MEASURED : BASED ON THE DATA OF MEASURED VALUE
WITH TLD-READER
- NET : BASED ON THE DATA OF THE VALUE
(MEASURED-(SELF CONTAMINATION+SOFT COSMICRAY))
- CONTROL : BASED ON THE DATA OF CONTRIBUTION WITH
(SELF CONTAMINATION+SOFT COSMICRAY)

2. DETECTOR

- ALL : BASED ON ALL THE DATA DETECTED WITH EVERY
DETECTOR
- GM : BASED ON THE DATA DETECTED WITH G.M. TYPE
DETECTOR
- GM S.W. : BASED ON THE DATA DETECTED WITH SIDE-
WINDOW TYPE G.M.-SURVEY METER
- GME.W. : BASED ON THE DATA DETECTED WITH END-
WINDOW TYPE G.M.-SURVEY METER
- GAS FLOW : BASED ON THE DATA DETECTED WITH GAS FLOW
(LOW-BACK GROUND) TYPE DETECTOR
- N_aI : BASED ON THE DATA DETECTED WITH N_aI(Tl)
SCINTILLATION DETECTOR (SURVEY METER)

3. SAMPLING(MONITORING) POINT

ALL(ALL): BASED ON THE DATA OF ALL THE SUMPLING POINTS(MONITORING STATION OR POST).

100 POINTS : BASED ON THE DATA OF SEDIMENT OFF-SHORE TOKAI-MURA AND IBARAKI-KEN AREA. (SURVEY PROGRAM OF 100 POINTS SEDIMENT OFF-SHORE TOKAI MURA, AUG. 1976)

(POINT NO. , POINT NAME, SAMPLING AREA NAME)

: BASED ON THE DATA OF THIER SUMPLING POINTS.

4. DISTRIBUTION, etc.

NORMAL : PLOTTING DISTRIBUTION OF THE DATA WITH PROBABILITY PAPER FOR NORMAL DISTRIBUTION

LOG-NORMAL : PLOTTING DISTRIBUTION OF THE DATA WITH PROBABILITY PAPER FOR LOG-NORMAL DISTRIBUTION.

TIME-SERIESE : PLOTTING TIME-SERIESE OF THE DATA (MEAN, MAXIMUM, MINIMUM)

5. τ : AVERAGING TIME

記 号

1. MEAN : 平均値

$$Mg = \frac{1}{N} \sum X_i$$

$$X_i = \text{Ln } X_i$$

$$\mu_g = \text{EXP}(Mg) \text{ or } (X 50\%) \quad : \text{幾何平均値あるいは50\%の値}$$

$$N \quad : \text{データ件数}$$

$$X_i \quad : \text{各測定値}$$

$$\text{Ln} \quad : \text{自然対数}$$

$$\text{EXP} \quad : \text{指数関数}$$

$$\mu_a = \frac{1}{N} \sum X_i \quad : \text{平均値(算術平均値)}$$

2. STANDARD DEVIATION : 標準偏差あるいは、分散の平方根
- $$Vg = \frac{1}{N} \sum (X_i - M_g)^2$$
- $\sigma_g = \text{EXP} \sqrt{\frac{1}{N} \sum (X_i - M_g)^2}$ or $\left(\frac{X_{84.13\%}}{X_{50\%}} \right)$: 幾何標準偏差あるいは $\left(\frac{X_{84.13\%}}{X_{50\%}} \right)$ で求めた値
- $$\sigma_a = \sqrt{\frac{1}{N} \sum (X_i - \mu_a)^2}$$
- : 標準偏差あるいは、分散の平方根
3. TYPE OF DISTRIBUTION : 出現頻度の確率分布の型
- LOG-NORMAL : 対数正規分布
- NORMAL : 正規分布
- * * : 対数正規、正規分布しない集団あるいは、分布型の不明な集団
- N. GROUP : N個の集団から成り立っていると考えられる分布型
- () : () の内の分布型であるということを棄却出来ない分布
- { () に似た分布をしている }

番号のつけ方の表中の記号

1. DATA SORTING データ処理(分類)方法
- ALL : 全測定値
- USUAL : 平常値
- SPECIAL : 特異値グループ(核実験直後の影響, スプリング・ピーク値, 分析方法・測定器の異なる測定値集団, 有意差のあるグループ。例えば, ^{40}K 分の多い長砂の井水の全 β と, 他の飲料水グループのそれとの差)
- A-U : 全測定値から平常値をのぞいた値
- ONE : 代表性試験を行なうため, 同一試料から出した測定値。
- MEASURED : 測定値そのままの値(測定値)
- NET : 正味値(測定値からコントロール値を差引いた値)
- CONTROL : コントロール値(自己汚染と軟宇宙線成分の寄与分)

2. DETECTOR : 測定器の種類による分類
- ALL : 全測定値(測定器の区別をしない)
- GM : GM測定器で測定した値
- GM S.W. : 側窓タイプGM型サーベイメータの測定値
- GM E.W. : 端窓タイプGM型サーベイメータの測定値
- GAS FLOW : ガスフロータイプの低バックグラウンド型測定器
(GM, 比例係数管式)
- N_aI : $N_aI(Tl)$ シンチレーション測定器(サーベイメータ)
3. SAMPLING(MONITORING) POINT : 採取(測定)地点の分別
- ALL(ALL-) : 各項目に対応する全採取点(測定点・全ステーション・ポスト)のデータを用いる。
- 100 POINTS : 1976年8月に行なわれた東海沖海底底質調査結果集を用いる。
(POINT NO, POINT NAME, SAMPLING AREA NAME)
: 各地点(区域)のデータを用いる。
4. DISTRIBUTION, etc : 分布型
- NORMAL : 正規確率紙に出現頻度をプロットした図
- LOG NORMAL : 対数正規確率紙に出現頻度をプロットした図
- TIME SERIES: 経年変化(平均・最大・最小値)をプロットした図
5. τ : 平均化時間

1. 空間線量率

1. Terrestrial Gamma Exposure Rate (T. G. E. R.)

MONITORING SYSTEM		MONITORING POINT		DATA SORTING	AVERAGING TIME ($\tau =$)	DISTRIBUTION etc.	
1	MONITORING STATION(ST.)	0	ALL THE STATION	0	ALL DATA	1	NORMAL
		1	ST. 1			2	LOG-NORMAL
		2	ST. 2			3	1 month
		3	ST. 3	1	USUAL	4	3 months
				2	SPECIAL GROUP		
2	MONITORING POST(POST)	0	ALL THE POST				
		1	POST. 1				
		2	POST. 2				
		3	POST. 3				
		4	POST. 4				
		5	POST. 5				
		6	POST. 6				
3	MONITORING POST AND STATION	0	VARIATION OF EXPOSURE RATE	1	EXAMPLE		
				2	VARIATION WITH RAIN FALL		
				3	VARIATION WITH FACILITY CONTRIBUTION		

5. 陸水試料中放射性物質濃度

5. Radionuclide Concentration in Terrestrial Aquatic Sample

		EVALUATING TERM	DATA SORTING	SAMPLING POINT	DISTRIBUTION etc.	DETECTOR	NUCLIDE
		1) Radionuclide Concentration in Rain Water	1 ALL USUAL	1 ALL ANKANTOH	1 NORMAL	0	1 Gross β (BETA)
			2 SPECIAL	3 SEIMON 4 SAISYORI	2 LOG-NORMAL	1 ALL	2 ^3H
			3 (SPRING PEAR)	5 MURAYAKUBA	3 TIME SERIES	2 GM	3 ^{40}K
						3 GAS FLOW	
		2) Radionuclide Concentration in River Water	1 ALL	1 ALL			
			2 USUAL	2 SRM-0 3 SRM-700 4 SRM-1400 5 KUZU RIVER			
		3) Radionuclide Concentration in Drinking Water	0 ^{40}K IN WELL WATER	1 ALL			
			1 ALL	2 ANKANTOH 3 NAGASUNA 4 TERUNUMA			
			2 USUAL	5 10 Km WEST 6 TAP WATER			
			3 WELL WATER at NAGASUNA				

8. 海岸水, 海水中放射性物質濃度
 8. Radionuclide Concentration in Marine Water

		EVALUATING TERM	DATA SORTING	DISTRIBUTION etc.	SAMPLING POINT	NUCLIDE		
		1) Radionuclide Concentration in Sea-Shore-Water	1 ALL	1 NOMAL	1 ALL	1 Gross β (BETA)		
				2 LOG-NORMAL	2 st. 1	2 ^3H		
		2) Radionuclide Concentration in Sea-Water	2 USUAL	3 TIME SERIES	3 st. 8	3 ^{90}Sr		
					4 st. 9	4 ^{95}Zr		
					5 st. 10	5 ^{95}Nb		
					6 st. 33	6 ^{106}Ru		
					7 st. 34	7 ^{137}Cs		
					8 st. 35	8 ^{144}Ce		
					9 st. 15	9 $^{239+240}\text{Pu}$		
					10 st. 17	10 U		
					11 st. 11			
					12 st. N			
					13 st. S			
					14			

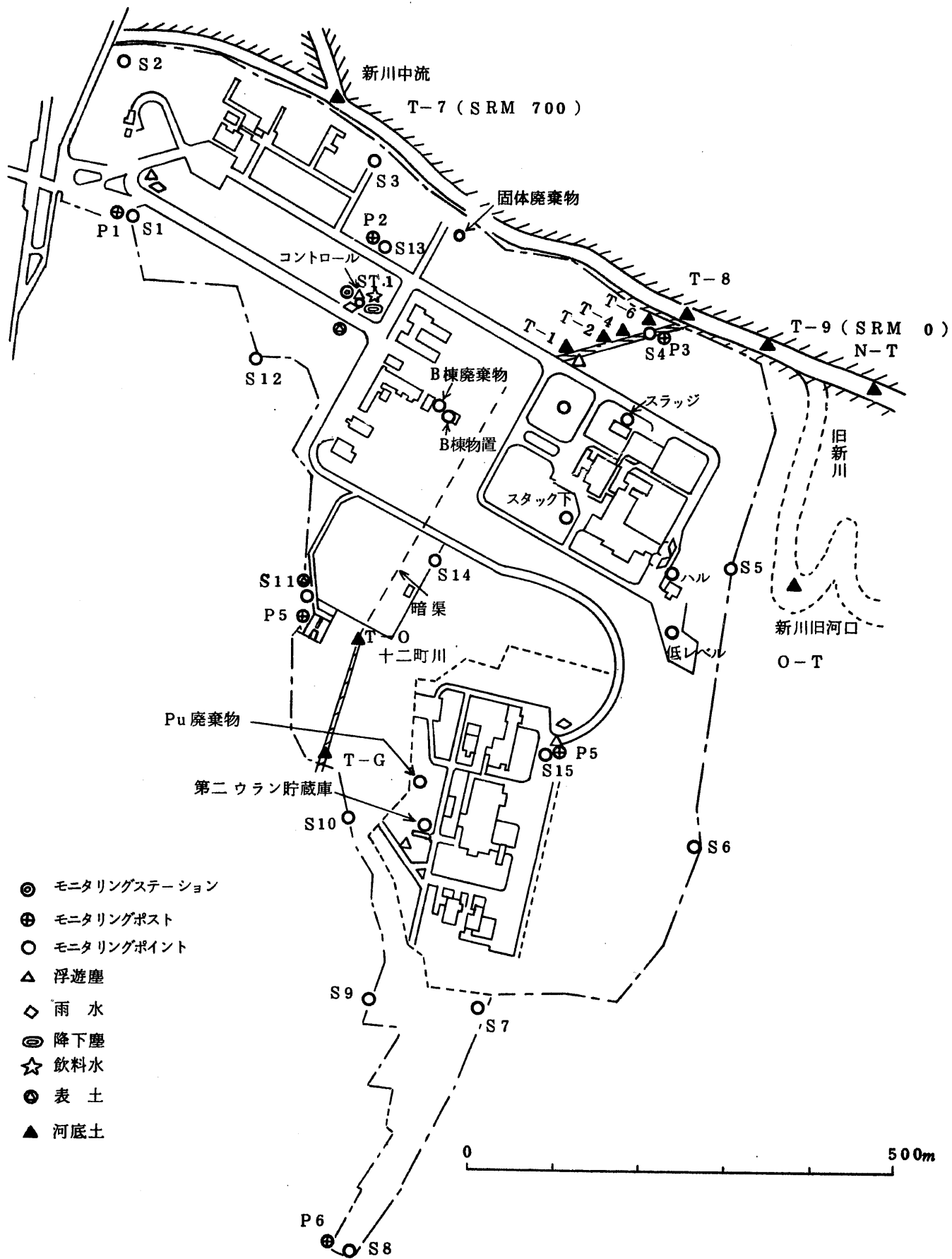


図1 環境資料等の採取または測定場所(敷地内)

SITE OF PNC TOKAI WORKS IBARAKI JAPAN

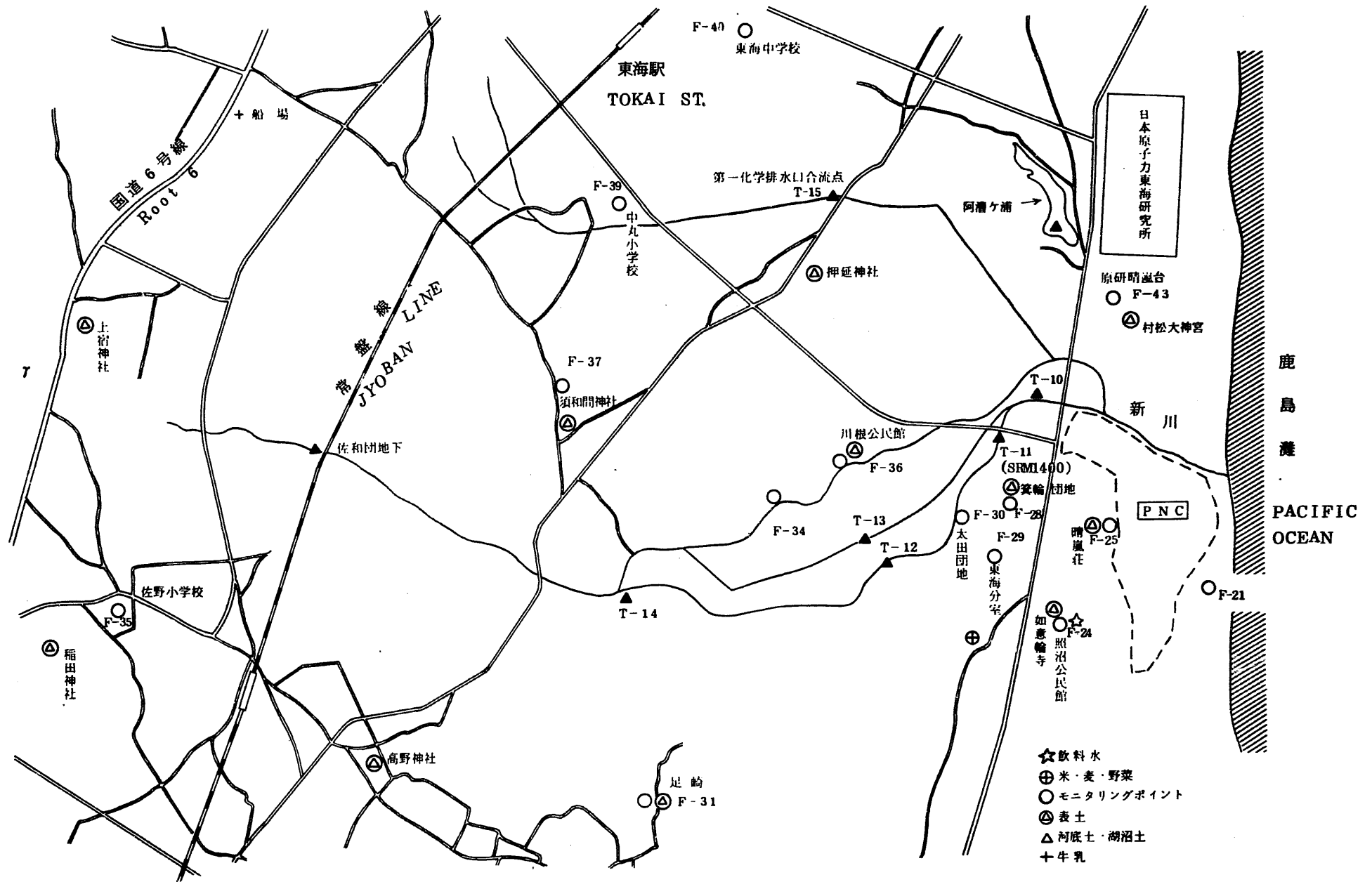


図 1-2 環境試料等の採取点 (敷地付近)



- ☆ 飲料水
- ⊕ 米・麦・野菜
- モニタリングポイント
- ⊙ 表土
- △ 河底土・湖沼土
- ⊕ 牛乳

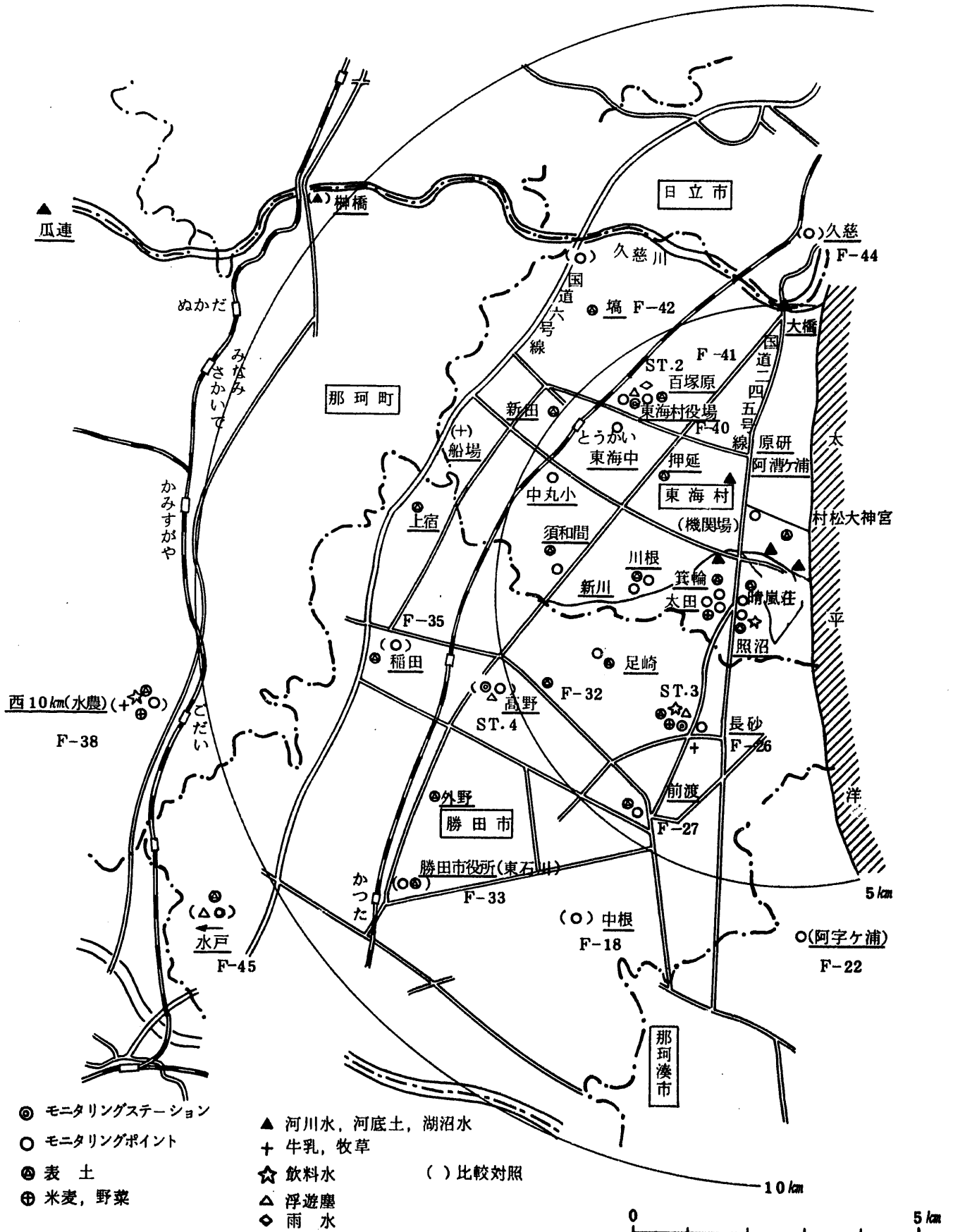


図2 環境試料等の採取または測定場所(敷地外)

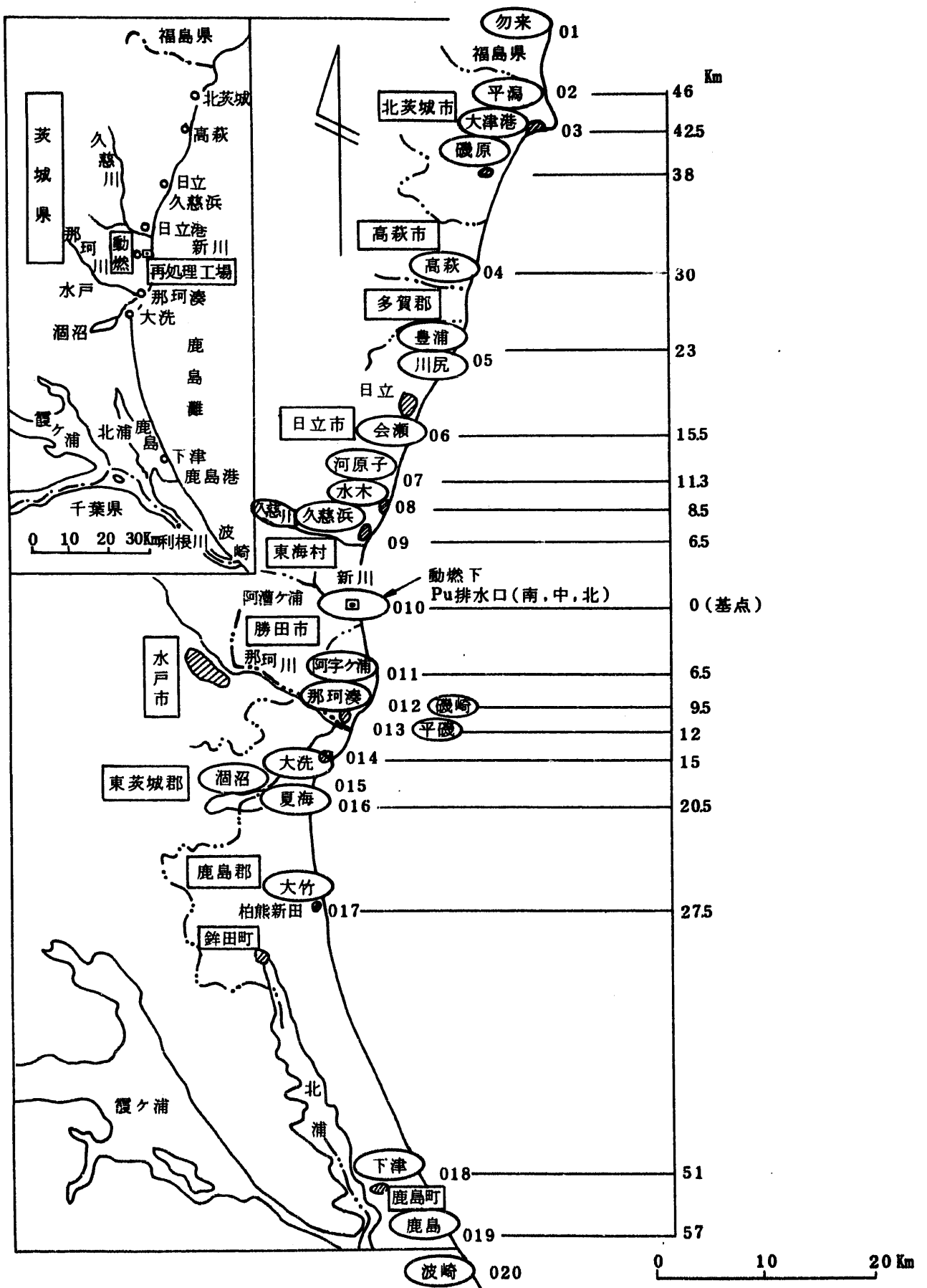


図3 海岸水、海岸砂採取および海岸砂表面線量率測定場所

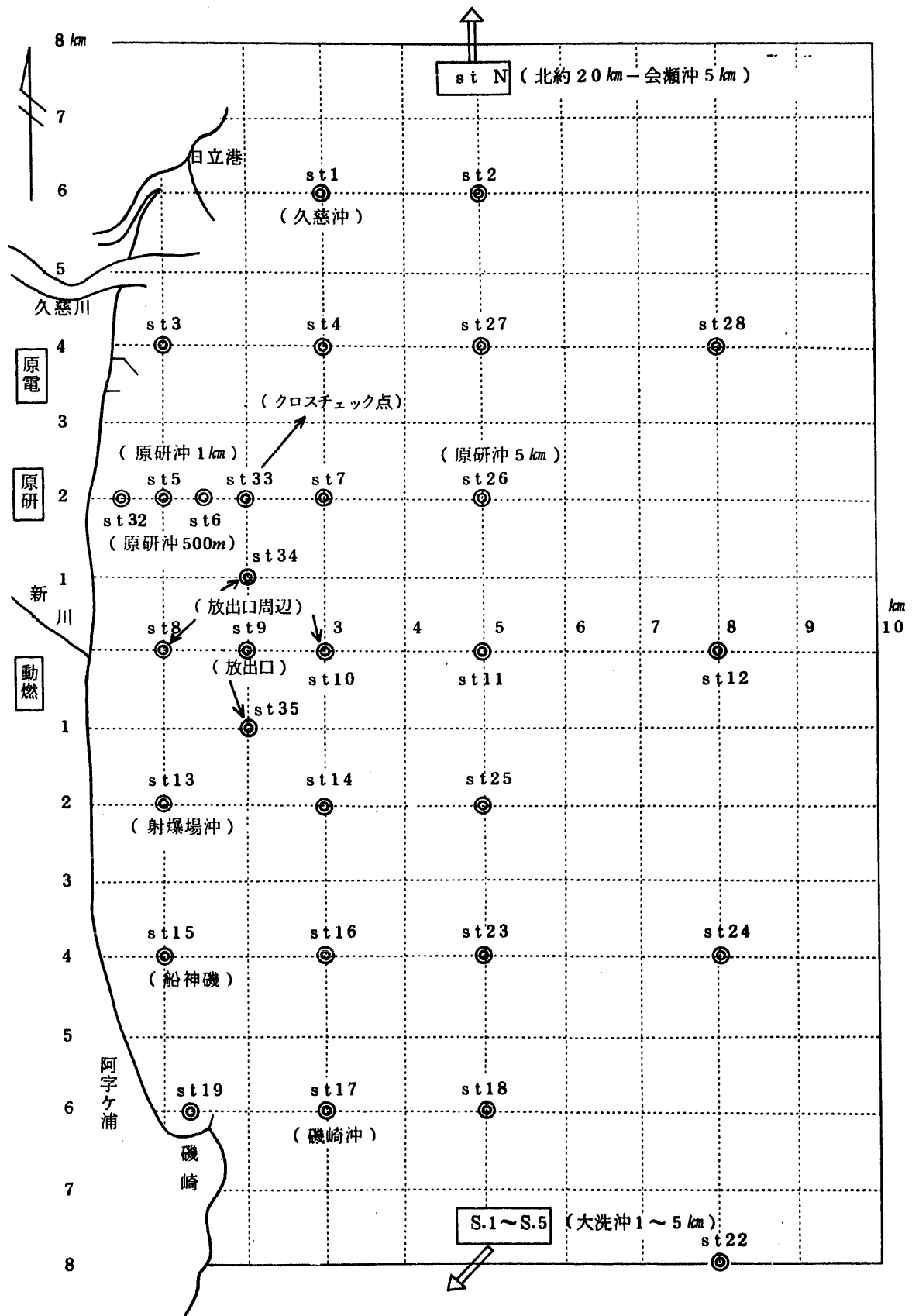


図 4 海底土・海水採取場所 (st)

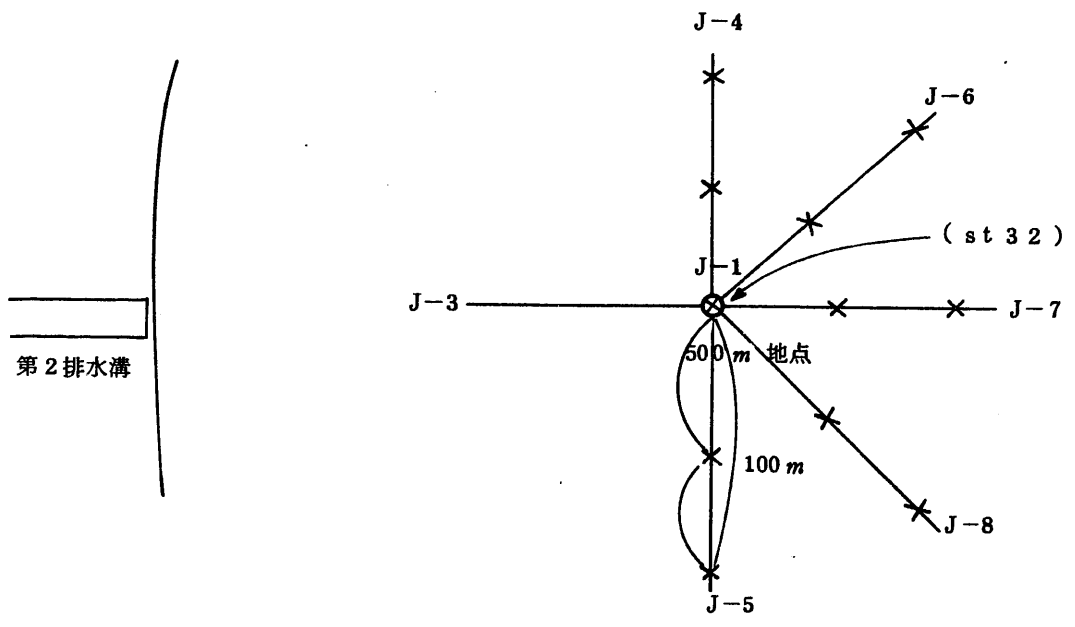


图 4 - 1 海底土・海水採取場所

原研沖 500m (st 32) 付近



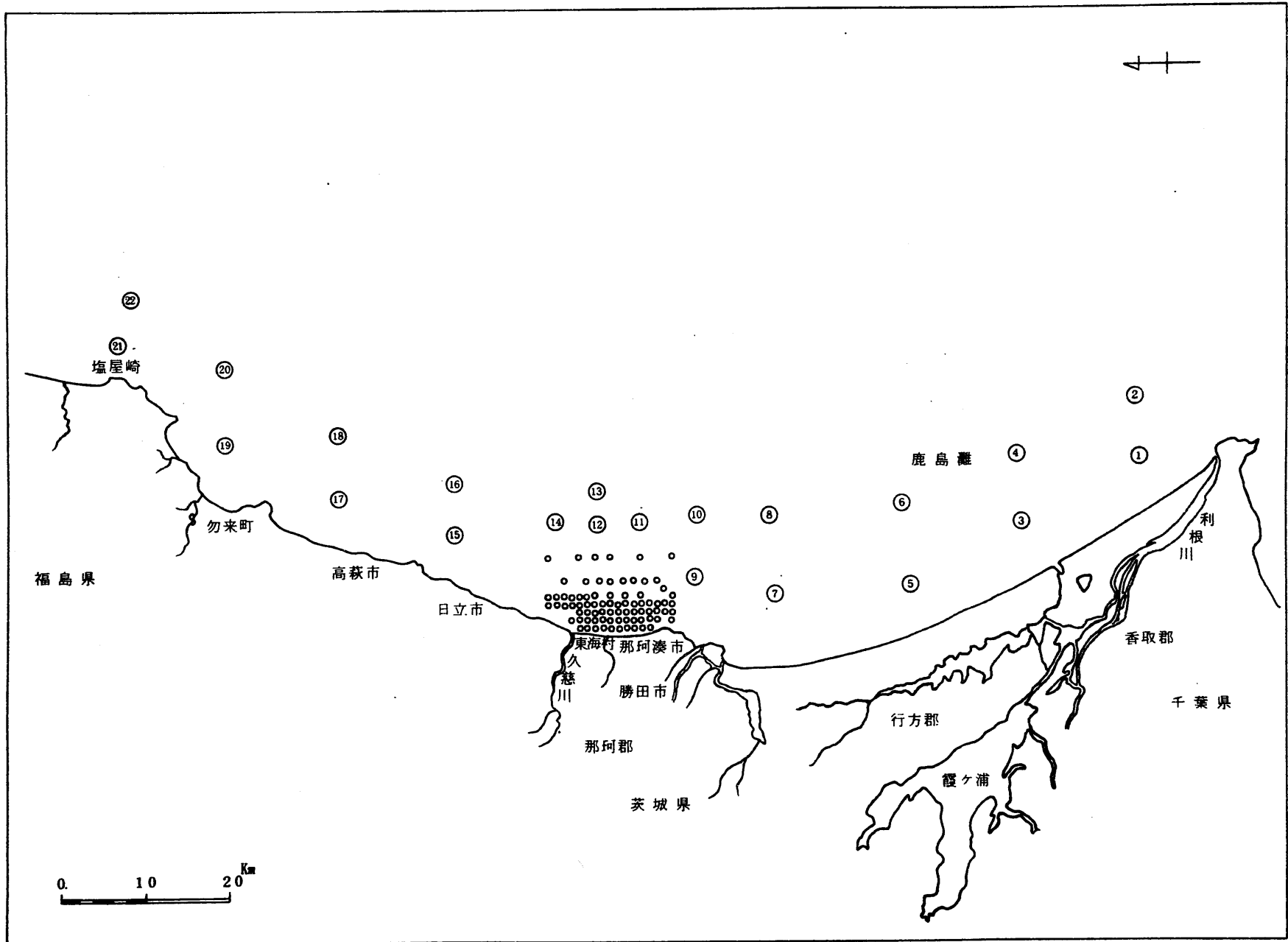


图 5 - 1 海底土 100 点採取位置 ①~②②

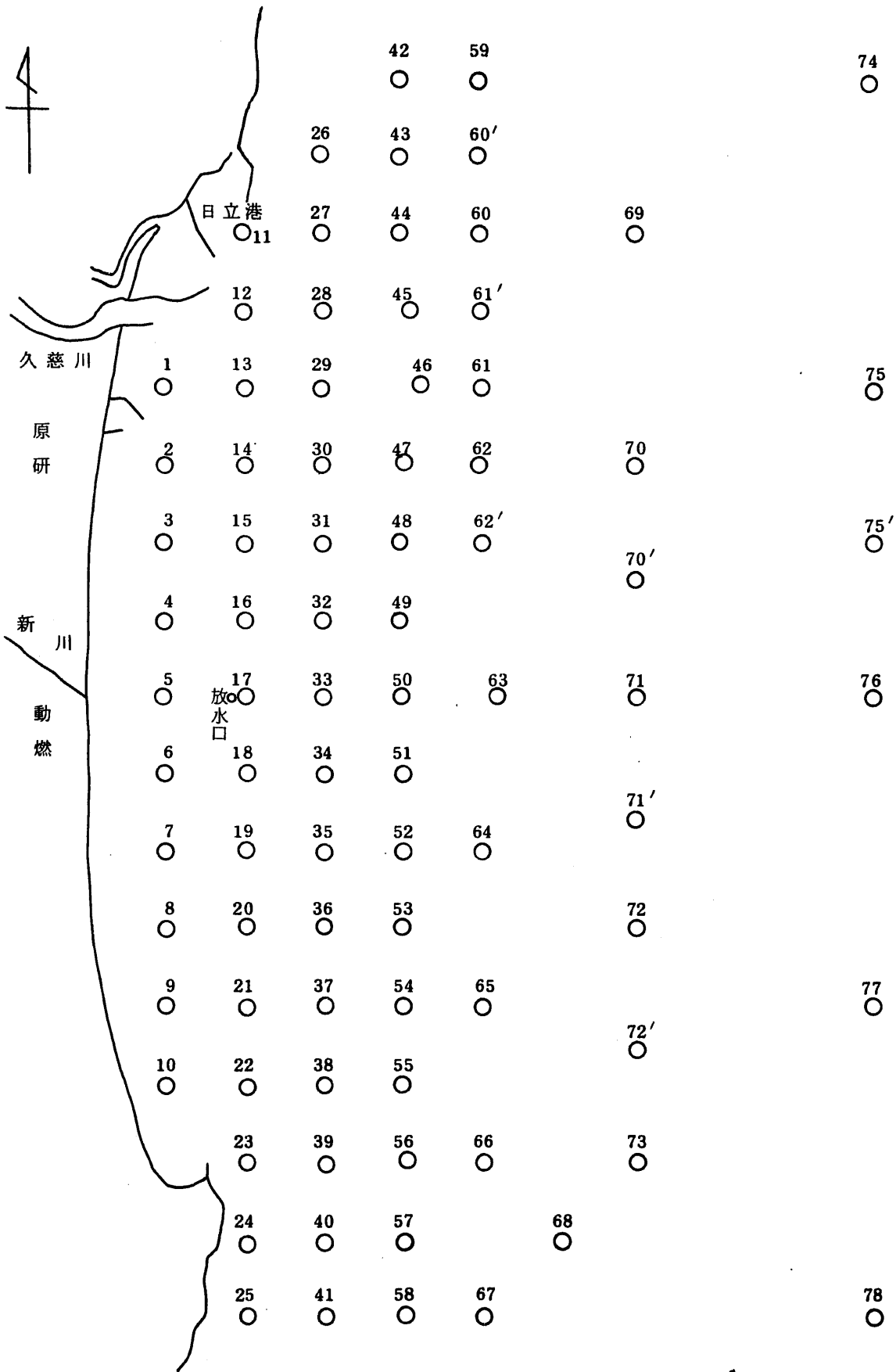


图 5-2 海底土 100 点採取位置 (1 ~ 78)

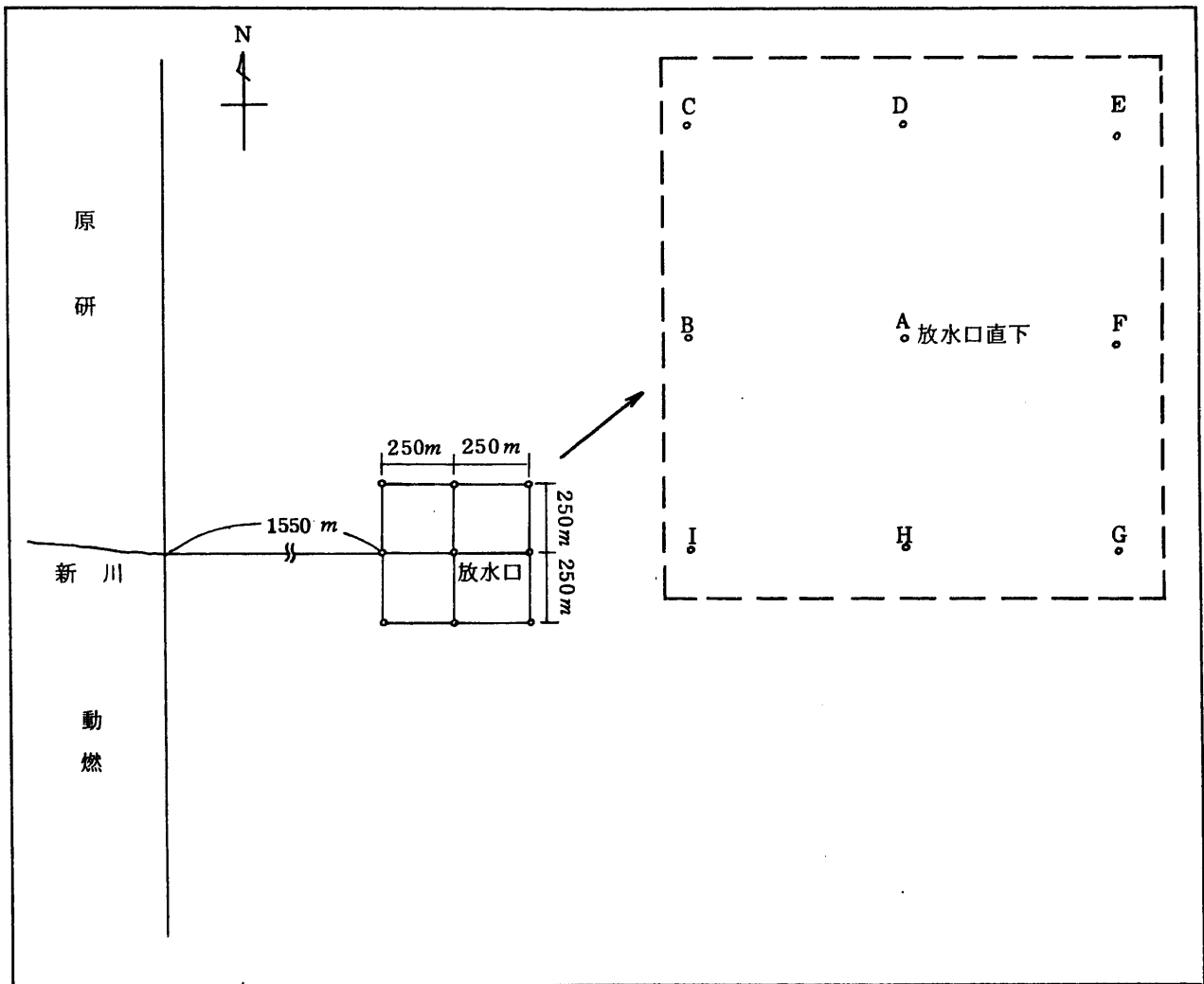


图 5-3 海底土 100 点採取位置 (A~I)

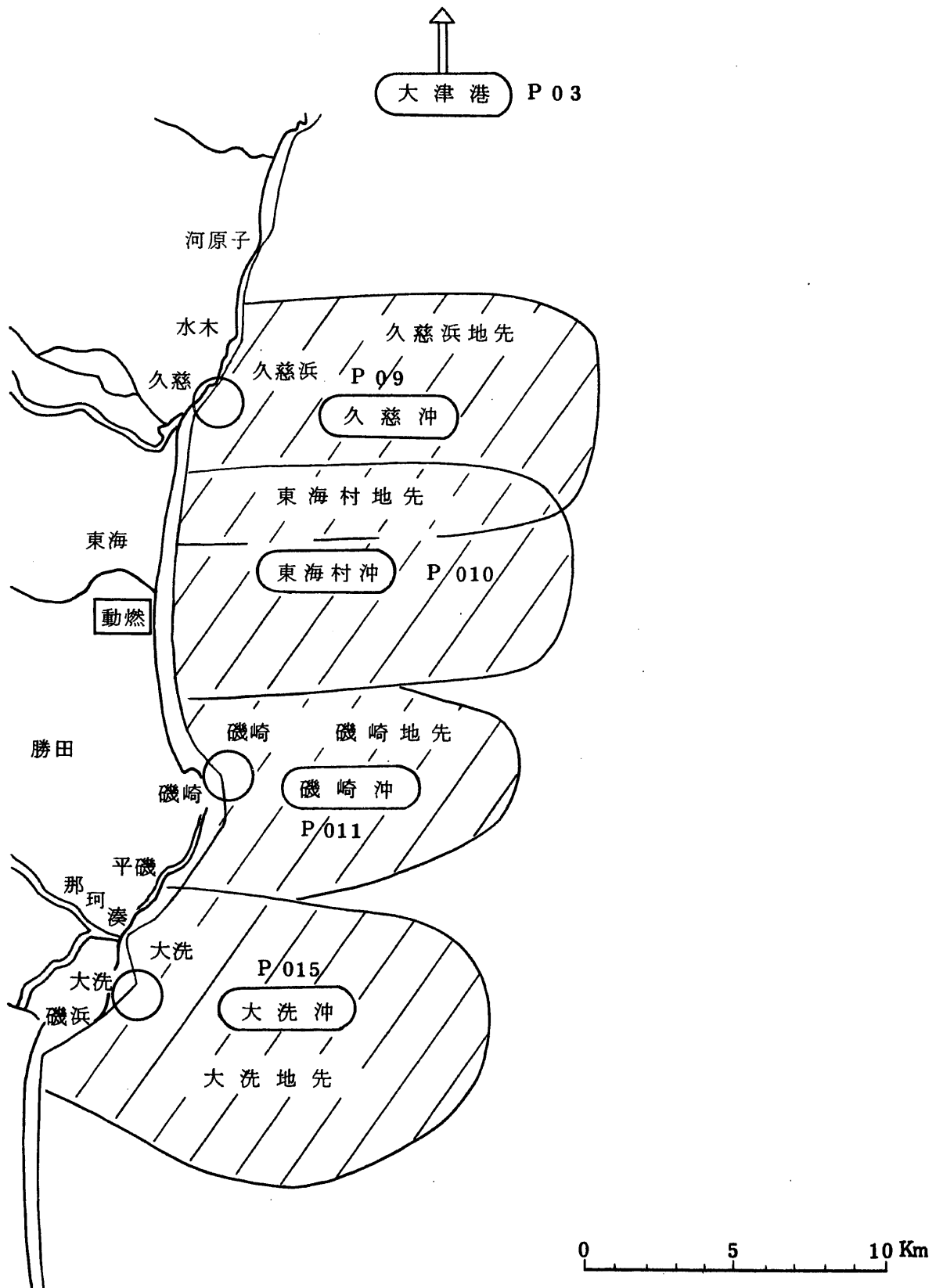


図6 海産生物採取場所

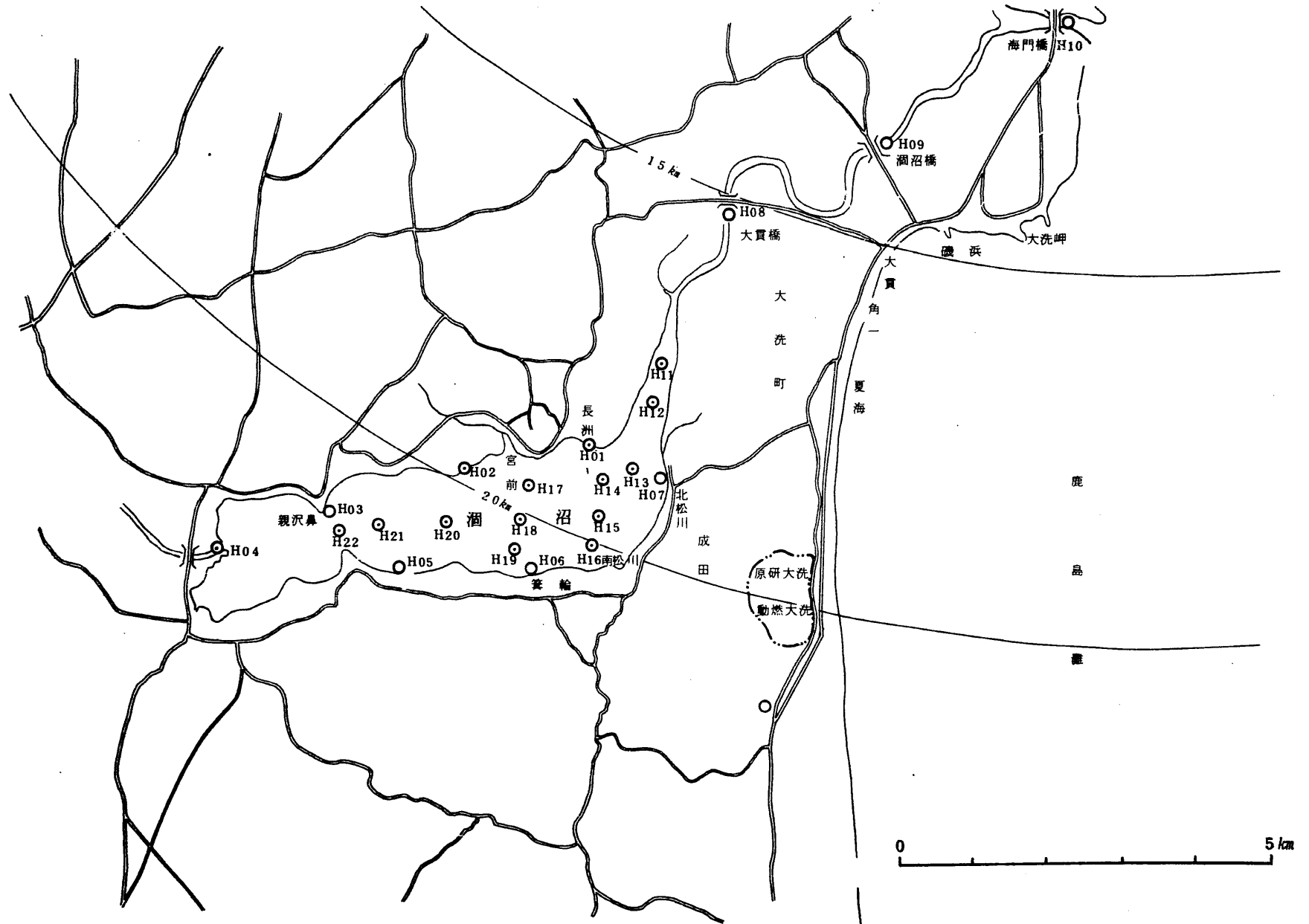


図 7 酒沼・湖沼水・底土採取地点