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Radiological Conditions at Bikini Atoll:
Radionuclide Concentrations in Vegetation, Soil, Animals, Cistern Water, and Ground Water

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ABSTRACT

This report is intended as a resource document for the eventual cleanup of Bikini Atoll and contains a summary of the data for the concentrations of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am in vegetation through 1987 and in soil through 1985 for 14 islands at Bikini Atoll. The data for the main residence island, Bikini, and the second most important island, Eneu, are extensive; these islands have been the subject of a continuing research and monitoring program since 1974. Data for radionuclide concentrations in ground water, cistern water, fish and other marine species, and pigs from Bikini and Eneu Islands are presented. Also included are general summaries of our resuspension and rainfall data from Bikini and Eneu Islands. The data for the other 12 islands are much more limited because samples were collected as part of a screening survey and the islands have not been part of a continuing research and monitoring program. Cesium-137 is the radionuclide that produces most of the estimated dose for returning residents, mostly through uptake by terrestrial foods and secondly by direct external gamma exposure. Remedial measures for reducing the ^{137}Cs uptake in vegetation are discussed.

INTRODUCTION

In the fall of 1978, a radiological survey was made of Bikini Atoll and 11 atolls or islands east and southeast of Bikini. These atolls or islands are located in the general direction of the fallout pattern that originated from the BRAVO test on March 1, 1954 at Bikini Atoll (Fig. 1).

This survey, referred to as the Northern Marshall Islands Radiological Survey (NMIRS), was planned to be an aerial radiological reconnaissance to map the external gamma-ray exposure rates over the islands of each atoll. However, an earlier dose assessment of Enewetak Atoll (US AEC, 1973; Robison et al., 1981c) and a preliminary dose assessment of Bikini Atoll (Robison et al., 1982b) indicated that the most significant potential exposure pathway at the contaminated atolls was the terrestrial food chain. Therefore, we suggested (in addition to the external gamma aerial survey) that sampling of soil, vegetation, ground water, cistern water, and marine species be included as part of the program. Thus, the final survey plan incorporated a secondary

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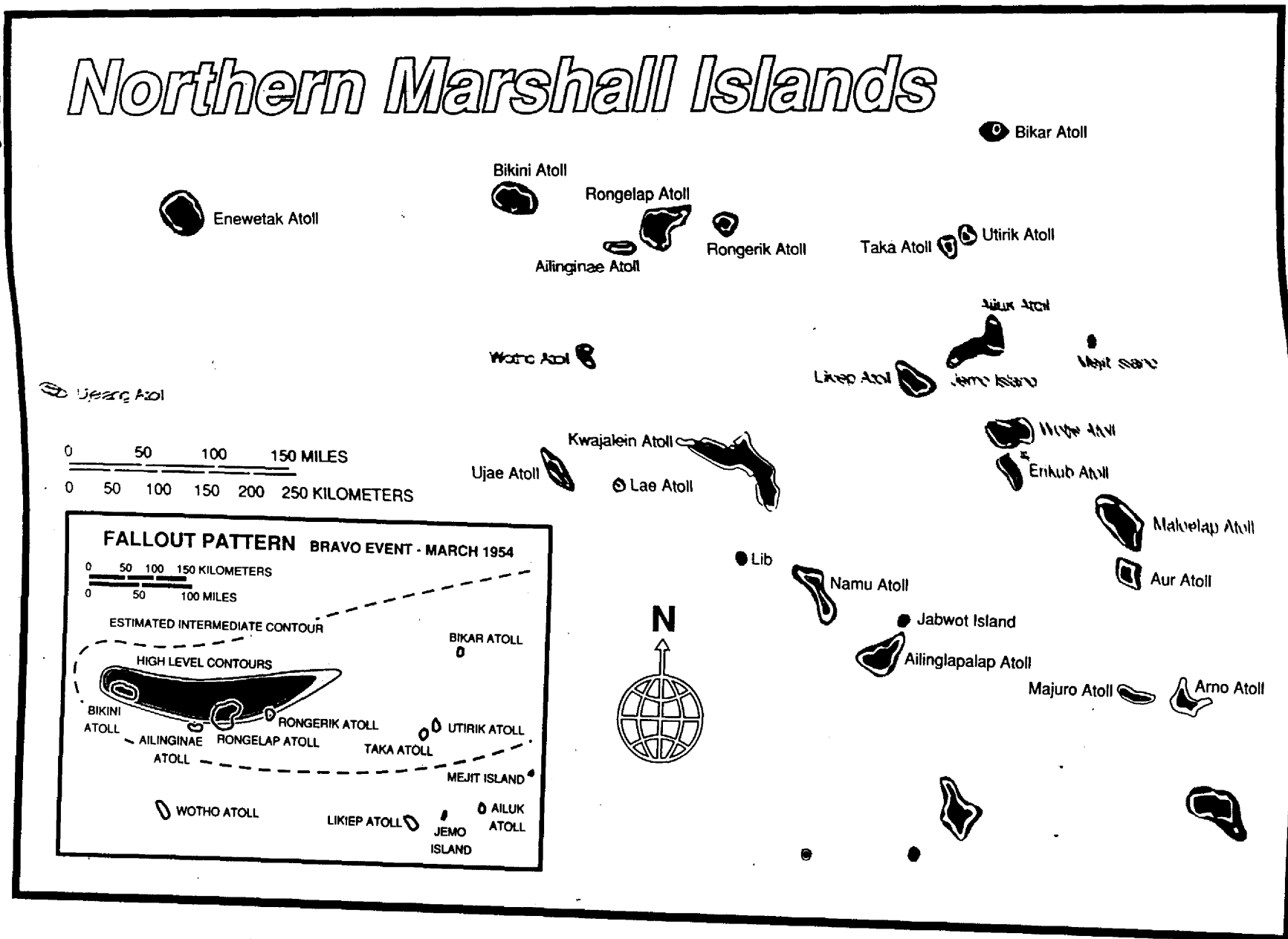

Figure 1. The atolls of the Marshall Islands and the direction of the BRAVO fallout pattern.

phase that included terrestrial and marine sampling; this phase had full logistics support, but was limited by the time required at each atoll to complete the external gamma aerial survey. The purposes of the associated limited sampling of the terrestrial and marine environments were to (1) supplement and provide comparative data for the aerial survey, (2) provide a preliminary evaluation of the radionuclide concentration in vegetation, soil, water, and marine foods to estimate doses from these pathways, and (3) supply sufficient information to identify islands or atolls that might require additional sampling at a later date for dose assessment purposes.

The results of the NMIRS have been published in a series of reports (Robison et al., 1981a, 1981b, 1982a; Noshkin et al., 1981; Jennings and Mount, 1983; Tipton and Meibaum, 1981). However, the results for Bikini Atoll were not published as part of this series. The Bikini Atoll results are published separately because, unlike the other 11 atolls or islands, Bikini Atoll was the site of 23 nuclear tests and because resettlement options at the Atoll needed to be defined. Thus, the results of the radiological survey of Bikini and Eneu Islands, the two historical residence islands at Bikini Atoll (see Fig. 2), were published separately (Robison et al., 1982b) prior to the publication of the NMIRS results, and both islands became the focus of a continuing research and monitoring program. This report is designed as a resource document for the eventual cleanup of Bikini Island; it contains details on the sampling sites and number of samples collected at the islands of Bikini Atoll during the 1978 survey and the results of the radiological analyses. We have also included results of the continuing sampling program for Bikini and Eneu Islands through May 1985 for soils, through March 1987 for vegetation, and through May 1988 for rainfall.

The radiological doses estimated from these data for a population living on Bikini or Eneu Islands can be found in Robison et al. Nearly 95% of the estimated effective dose and bone-marrow dose at the atoll results from ^{137}Cs; about 70 to 80% of the total dose from ^{137}Cs arises from ingestion of ^{137}Cs in terrestrial foods, with the remainder coming from external gamma exposure. Because of the importance of ^{137}Cs in the overall estimated dose, and, in particular, in the food chain, a great deal of emphasis is placed on measurements of ^{137}Cs in vegetation and soil around the Atoll. We have developed a data base for ^{90}Sr, $^{239+240}Pu$, and ^{241}Am as well, but it is not as extensive as that for ^{137}Cs because these radionuclides account for a much

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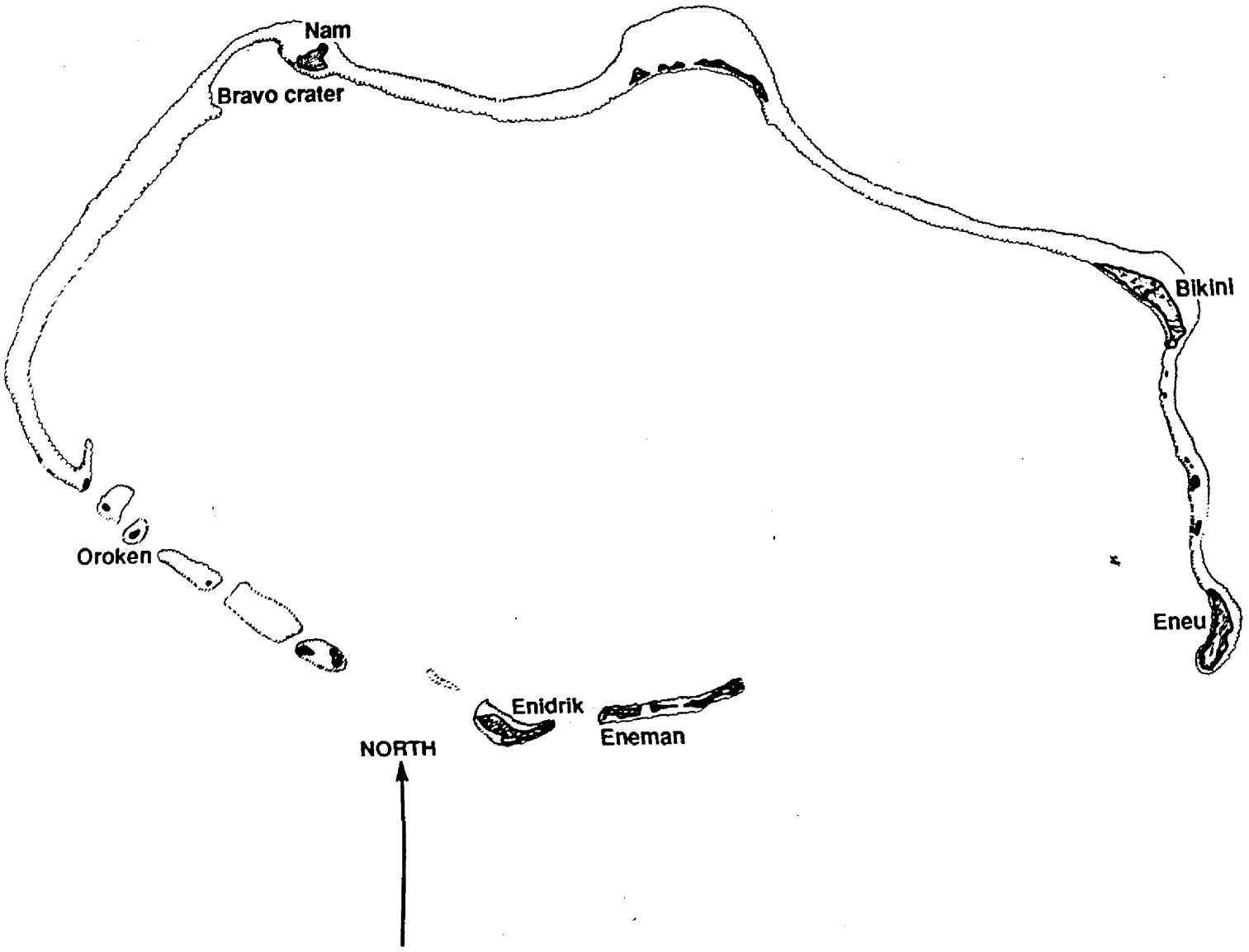

Figure 2. Major islands at Bikini Atoll.

smaller portion (less than 10%) of the estimated whole-body, bone-marrow, or effective dose. The ^{137}Cs body burdens of the Bikinians were determined by whole-body counting prior to their relocation in August 1978 (Miltenberger et al., 1980) and were within the range we estimated based upon our measurements and our diet model (Robison et al., 1982b).

SAMPLE COLLECTION AND PROCESSING PROCEDURES

Our sampling and processing procedures have been described in some detail in Robison et al. (1982a, 1982b).

Briefly, soil samples were collected as soil profiles with the following increments of soil depth: 0 to 5 cm, 5 to 10 cm, 10 to 15 cm, 15 to 25 cm, 25 to 40 cm, 40 to 60 cm, and 60 to 100 cm. Soils were oven dried at LLNL, screened through 1/8" mesh, ball-milled to a fine powder mixture, packed in aluminum cans, and analyzed for ^{137}Cs by gamma spectroscopy. The samples taken during the 1978 survey were subsequently sent for analysis of ^{90}Sr, $^{239+240}Pu$, and ^{241}Am by wet chemistry. Wet chemistry analyses from our Bikini and Eneu Island continuing program were somewhat limited due to budget constraints, and approximately 40% of the soil samples taken were sent for analysis of ^{90}Sr, $^{239+240}Pu$, and ^{241}Am by wet chemistry.

Edible food crops such as coconuts, breadfruit, and *Pandanus* fruit were collected where they were available. Most food crops were unavailable at islands other than Bikini and Eneu, the exceptions were coconut samples on both Jelete and Aerokojlol. Vegetation samples, including food crops, were frozen in the field and shipped frozen to Lawrence Livermore National Laboratory (LLNL), where they were reduced to constant dry weight by freeze drying, ground to small particle size, packed in aluminum cans 8.0 cm in diameter by 4.6 cm deep, and analyzed for ^{137}Cs by gamma spectroscopy. After gamma spectroscopy, approximately 12% of the canned samples were sent to an analytical laboratory for analysis of ^{90}Sr, $^{239+240}Pu$, and ^{241}Am by wet chemistry procedures.

Muscle tissue and organs from pigs and whole chickens slaughtered on the islands were frozen and transported to LLNL. Samples were processed similarly to the food-crop samples.

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Cistern and groundwater samples were collected in 5- and 15-gallon barrels. The 15-gallon water samples were acidified in the field, and all water samples were returned to LLNL for analysis of ^{137}Cs, ^{90}Sr, and $^{239-240}Pu$.

ANALYTICAL METHODS AND QUALITY CONTROL

A brief description of our analytical methods and quality control program is given here. More details are given in Jennings and Mount (1983).

The LLNL gamma-counting facility is housed in a specially constructed building. The floor is a 9-inch-thick layer of concrete with black serpentine as the aggregate. This rests on a 12-inch layer of black serpentine. This serpentine was used because it contains very small amounts of naturally occurring radionuclides. The walls and ceiling are extremely well insulated to maintain constant temperature. The room containing the computer and the analyzer electronics has its own temperature and humidity-control system.

There are currently 16 Ge(Li), p- and n-type, detectors in use. They are housed in steel caves made from selected materials and are spaced to eliminate any interaction of signals among adjacent detectors. High-voltage and power cables are run separately from the signal cables to minimize any possible interference.

Three Canberra analyzers are used to collect the spectra. The 4096-channel spectra are written to 1600-bpi 9-track tape. The spectra are reduced using the program GAMANAL (Gunnink and Niday, 1972) and a Cray computer. The resulting numbers are then entered into various data bases.

A standard containing ^{133}Ba, ^{137}Cs, and ^{60}Co is counted on each detector each day to provide an ongoing calibration record. Any counter that exhibits ±0.5-channel difference from the standard channel location is adjusted back to the proper channel. Each Monday, the same standards are counted for 80 minutes and a background is counted overnight. These data are processed by GAMANAL like any other sample and are entered into a data base. This allows an experimenter to access the whole history of the detector.

Gamma spectroscopy for ^{137}Cs and other gamma-emitting radionuclides is performed primarily at LLNL. Sometimes, when our sample load is particularly heavy, we have other laboratories perform gamma-spectroscopy analyses for us. All of our detectors have been calibrated and cross-checked for ^{137}Cs and ^{241}Am with detectors at three other laboratories. Blind duplicates and

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standards are included in each batch of samples sent through our own facility and other laboratories. We also cross count several of the samples sent to other laboratories. Our quality-control program requires that blind duplicates be within 10% of each other and that the standards be within 10% of the known value. If such is not the case, the problem must be ascertained and reanalysis completed if necessary; reanalysis has only rarely been necessary.

Most of the wet chemistry analyses for ^{90}Sr, $^{239+240}Pu$, and ^{241}Am are done by outside contractor laboratories. To assure analytical reliability of the data produced by the outside laboratories, we have established three criteria governing the accountability of the results.

1. The first criterion places limits of acceptability on counting errors. Because radioactive decay is a statistical process, sufficient counts must be collected to provide a level of confidence that the number reported is a true measure of the radioactivity of the sample. Until this criterion is met it is difficult, if not impossible, to evaluate the data for the remaining two criteria. Consequently, we have established a set of acceptable counting errors (Table 1). The requirements are scaled to the total radioactivity of the sample, which is the product of the amount of sample available and its specific activity (activity per unit weight of sample). Compliance can be checked easily by the individual analyst because it is based on information available to him: the measured specific activity and weight of the sample received. This criterion was developed to estimate the amount of sample required by any competent laboratory to measure worldwide fallout. Samples of sufficient size with higher activity are thus well above the limits of detection of the contracting laboratories. As a result, the data that are reported are not machine limits, which would provide only upper limits to the radionuclide concentrations in the samples. Such data would cause an overestimate of the amount of radioactivity actually present in the environment when used as real values.

2. The second criterion requires that the laboratories reproduce their results on replicate analyses. A set of blind duplicate samples is included with each group of roughly 100 samples (called DCD for the accompanying Delivery Control Document) and results of the pair of analyses are considered acceptable if they vary by less than twice the measurement accuracy required in Table 1. Satisfactory performance on duplicates requires acceptability on

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Table 1. Allowable counting errors according to the total activity in the sample received by the contracting laboratories.

Radionuclide	pCi	1-σ error (%)
$^{239,240}Pu$	<0.1	50 to 100
	0.1 to 0.25	≤40
	0.25 to 1	≤20
	>1	≤10
$^{238,241}Pu$	<2	50 to 100
	2 to 5	≤40
	5 to 20	≤20
	>20	≤10
^{241}Am	<0.1	50 to 100
	0.1 to 0.25	≤40
	0.25 to 1	≤20
	>1	≤10
^{137}Cs	<1	50 to 100
	1 to 5	≤30
	5 to 8	≤20
	>8	≤10
^{90}Sr	<1	50 to 100
	1 to 5	≤30
	5 to 8	≤20
	>8	≤10

80% of all duplicate pairs included in each DCD. Duplicate samples are prepared and distributed by LLNL.

3. The third criterion requires that the laboratories accurately determine the radionuclide concentrations of blind standards. Although all three of the criteria are important, perhaps this is the most significant because it includes accuracy of measurement as well as precision (reproducibility); therefore, any systematic errors in the measurement would appear. Responsibility for preparing, standardizing, and distributing the standard samples was assigned to Dr. David Jennings of Western Oregon State College (WOSC). In this way, the primary responsibility for evaluating the analytical integrity of the data was vested in a disinterested party.

RESULTS

ATOLL GEOGRAPHY AND NUMBER OF SAMPLES COLLECTED BY ISLAND AND SAMPLE TYPE

The islands at Bikini Atoll that were sampled as part of the NMIRS are listed in Table 2 by name and code number. Included in Table 2 are the size of the island and the numbers of samples collected. The locations of the major islands within the atoll are shown in Fig. 2.

Bikini and Eneu Islands make up about 50% of the atoll land area; over 70% of the land area is accounted for if Nam and Enidrik Islands are included. Although Enidrik is the third largest island at the atoll, it has not been a residence island, perhaps because it is subject to severe storm conditions. Beach rubble is found half way across the island, and the native vegetation is stunted, nutrient deficient, and unhealthy looking. Most of the other islands are rather small and/or narrow and are also subject to being awash with salt water during high-wind and high-tide situations.

During the 1978 survey, 134 soil profiles were collected at islands other than Bikini and Eneu; these profiles consist of a total of 792 soil samples. Generally, more samples were taken at larger islands than at smaller islands. Over the years, we have collected a total of 456 soil profiles at Bikini and Eneu Islands; these profiles comprise 2538 soil samples.

Only two islands other than Bikini and Eneu have edible food crops and in both cases (Aerokojlol and Jelete) coconut is the available food. Extensive sampling of vegetation has been carried out at Bikini and Eneu Islands.

COMPOSITION OF ATOLL SOIL

The composition of coral soil for two soil profiles from Bikini Island and one soil profile from Eneu Island is listed in Table 3. The coral soil is comprised mostly of $CaCO_3$, with some $MgCO_3$, and essentially no clay. The pH is high, ranging from 7.7 to 9.0. The surface horizons are high in organic matter (as much as 14%), although the organic matter in the soils drops markedly with depth in the soil column. As a result, most of the natural nutrient and water-retention capacity of the soil is confined to the top 25 to 40 cm of the soil column.

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Table 2. Islands of Bikini Atoll: name, size, code number, and number and type of samples collected.

Island (U.S. designation)	EG&G[a] Code No.	Area (km^2)	Samples		
			Number of soil profiles	Number of soil samples[b]	Number of vegetation samples[c]
Nam (Charlie)	B1	0.54	33	196	None
Iroij (Dog)	B2	0.20	10	59	None
Odrik (Easy)	B3	0.04	5	29	None
Lomilik (Fox)	B4	0.22	16	94	None
Aomen (George)	B5	0.17	9	50	None
Bikini (How)[d]	B6	2.41	180	985	958
Bokantauk (Item)	B7	0.09	None	None	None
Iomelen (Jig)	B8	0.03	None	None	None
Enaelo (King)	B9	0.02	None	None	None
Rojkere (Love)	B10	0.08	3	18	None
Eonjebi (Mike)	B11	0.03	None	None	None
Eneu (Nan)[d]	B12	1.22	276	1553	1199
Aerokojlol (Oboe)	B13	0.41	12	71	4
Bikdrin (Roger)	B14	0.10	None	None	None
Lele (Sugar)	B15	0.23	4	22	None
Eneman (Tare)	B16	0.10	6	36	None
Enidrik (Uncle)	B17	0.96	31	188	None
Lukoj (Victor)	B18	0.14	3	17	None
Jelete (William)	B19	0.17	2	12	2
Adrikan (Yoke)	B20	0.02	None	None	None
Oroken (Zebra)	B21	0.05	None	None	None
Bokaetoktok (Alpha)	B22	0.03	None	None	None
Bokdrolul (Bravo)	B23	0.03	None	None	None

[a] This code number is provided to enable comparison with previous reports that use this method of island identification.

[b] There were either 5 or 6 soil sample increments per soil profile.

[c] Includes coconut meat and fluid, breadfruit, *Pandanus*, papaya, squash, banana, and sweet potato.

[d] Soil and vegetation samples include those from our ongoing research program. The total number of samples collected during the NMIRS was less than 100 at each island.

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Table 3. Composition of coral soil profiles from Bikini and Eneu Islands.

Island location and depth (cm)	pH[b]	Total[a] Sr (%)	Ca (%)	Mg (%)	P[c] (%)	N (%)	Organic matter[d] (%)	Extractable K[e] (ppm)	Cation exchange capacity Meq/100 g	Particles sized <0.5 mm (%)
Bikini No. 1										
0-5	7.7	0.38	30.4	0.95	1.35	0.64	14.4	79	60	11.5
5-10	7.8	0.39	30.8	0.89	1.28	0.62	13.2	26	60	
10-15	7.9	0.39	30.9	0.89	1.29	0.63	12.3	20	57	9.5
15-25	7.9	0.40	31.9	0.86	1.17	0.50	10.6	23	50	11.7
25-40	8.3	0.39	34.3	1.28	0.67	0.19	4.5	4	24	6.3
40-60	8.4	0.31	34.5	2.05	0.16	0.11	1.6	3	12	0.6
Bikini No. 2										
0-5	7.8	0.40	31.0	1.02	0.82	0.49	10.7	50	28	5.7
5-10	8.0	0.40	32.4	1.09	0.71	0.46	8.5	24	42	3.7
10-15	7.9	0.38	33.1	1.18	0.56	0.35	7.4	24	38	3.3
15-40	8.2	0.38	34.7	1.79	0.32	0.11	1.6	6	14	1.1
Eneu No. 1										
0-5	7.7	0.32	32.0	1.74	0.085	0.30	5.1	41	23	2.3
5-10	8.0	0.34	32.6	1.76	0.055	0.35	5.6	20	25	1.6
10-15	8.0	0.31	34.3	2.08	0.037	0.17	2.6	9	14	0.8
15-25	8.4	0.28	34.0	2.40	0.016	0.06	0.9	1	8	0.3
25-40	8.7	0.28	34.4	2.48	0.014	0.05	0.8	1	8	0.2
40-60	8.9	0.30	33.3	2.37	0.015	0.03	0.6	<1	6	0.1

[a] Stable cesium was below detection limit (1.3 ppm).
[b] pH in water.
[c] High phosphorus values indicate ancient guano deposition.
[d] Organic matter by wet oxidation.
[e] Extractable in N ammonium acetate.

The soils are low in exchangeable K (generally less than 50 ppm) and marginal in P and trace-mineral content. Some native plant species and most introduced species show definite signs of K deficiency. In fact, most introduced food crops and ornamental plants grow in only a very limited way without the addition of K as well as N, P, and trace minerals.

The unique composition of coral soil, i.e., primarily $CaCO_3$ and no clay, produces a pattern of availability to plants for ^{137}Cs and ^{90}Sr very different from most data reported in the literature, which are based on U.S. and European aluminum silicate clay soils. This unique uptake pattern is discussed in more detail in the section on Concentration Ratios.

EXTERNAL GAMMA EXPOSURE AND RADIONUCLIDES IN SOIL

Table 4 lists the average external gamma dose-equivalent rate from radionuclides in soil based on the EG&G aerial survey for each of the islands (Tipton and Meinhaim, 1981). The dose-equivalent rates have been decay corrected to January 1987. The initial annual dose-equivalent rates at the individual islands range from about 1 to 240 mrem/y. A comparison is given for Bikini and Eneu Islands between the average external dose-equivalent rate from the aerial survey in 1978 and a ground-measurement survey conducted in 1975 (Gudiksen et al., 1976). Measurements in the ground survey were made on a 30-m grid across Bikini Island and a 100-m grid across Eneu Island. The results of the two surveys are essentially identical; the aerial survey gave an average external gamma dose-equivalent rate of 160 mrem/y for Bikini Island and 12 mrem/y for Eneu Island, while the ground-measurement survey gave 159 mrem/y for Bikini Island and 18 mrem/y for Eneu Island. The external dose-equivalent rate is directly proportional to the ^{137}Cs and ^{60}Co in the top 10 to 20 cm of the soil column.

Also listed in Table 4 is the comparison of the surface soil (0 to 10 cm) ^{137}Cs specific activity estimated from the aerial survey and the limited soil profile sampling. The radionuclide concentrations in this report have also been decay corrected to January 1987.

The results in Table 4 indicate that for larger islands, such as Bikini and Eneu where the aerial survey is most accurate and where the distribution of soil profiles covers most of the island, the measured activities from both methods are in reasonable agreement. Four values are listed for ^{137}Cs

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Table 4. Dose-equivalent rate data and soil ^{137}Cs concentrations for islands at Bikini Atoll decay corrected to January 1987.

Island	EG&G (Code No.)	Area (km^2)	Dose-equivalent rate[a] mrem/y		^{137}Cs soil activity, 0-10 cm depth, pCi/g[a]				
						Terrestrial survey			
			Aerial survey	Terrestrial survey	Aerial survey	Mean	Median	Distributed mean	No. of samples
Nam	(B1)	0.54	120	a	31	23	5.2	b	33
Iroij	(B2)	0.20	45	a	9.9	3.7	0.85	b	10
Odrik	(B3)	0.04	15	a	2.3	0.68	0.56	b	5
Lomilik	(B4)	0.22	140	a	31	5.5	1.6	b	16
Aomen	(B5)	0.17	30	a	6.7	1.9	1.3	b	9
Bikini	(B6)	2.41	160	159	45	74	59	60	178
Bokantauk	(B7)	0.09	1.7	a	c	None	None	b	None
Iomelen	(B8)	0.03	4.9	a	c	None	None	b	None
Enaelo	(B9)	0.02	1.7	a	c	None	None	b	None
Rojkere	(B10)	0.08	79	a	22	6.0	0.09	b	3
Eonjebi	(B11)	0.03	1.9	a	c	None	None	b	None
Eneu	(B12)	1.22	12	18	3.4	4.8	3.6	3.8	273
Aerokojlol	(B13)	0.41	1.3	a	c	0.13	0.10	b	12
Bikdrin	(B14)	0.10	0.97	a	c	None	None	b	None
Lele	(B15)	0.23	12	a	1.9	0.28	0.18	b	4
Eneman	(B16)	0.10	12	a	1.9	2.4	2.7	b	6
Enidrik	(B17)	0.96	25	a	6.1	3.4	1.4	b	31
Lukoj	(B18)	0.14	210	a	54	25	20	b	3
Jelete	(B19)	0.17	240	a	64	39	39	b	2
Adrikan	(B20)	0.02	29	a	c	None	None	b	None
Oroken	(B21)	0.05	66	a	16	None	None	b	None
Bakaetoktok	(B22)	0.03	16	a	c	None	None	b	None
Bokdrolul	(B23)	0.03	27	a	c	None	None	b	None

[a] No measurements using hand held meters.
[b] Not calculated.
[c] Activity levels were too low and the island size too small to allow processing for the second-by-second photopeak count rate data.

concentrations at Bikini and Eneu Islands: the mean from the aerial survey, the mean and median of the 0- to 10-cm depth from all profiles collected for each island, and the distributed mean, which is calculated by dividing each island into six regions, determining the median ^{137}Cs concentration for the profiles in each region, and then calculating the mean value of the medians from the six regions. For all other islands, the mean from the aerial survey and the mean and median from the soil profile data are given.

As shown in Figs. 3 to 10, the distribution of soil radionuclide concentrations is lognormal; this distribution is observed for all depth increments. Thus, the aerial data are compared more appropriately to the median and distributed means than to the mean value, which over-emphasizes the few high ^{137}Cs soil concentrations observed in the lognormal distribution of soil radionuclide concentrations at the Atoll (Robison et al., 1981c). For example, the average ^{137}Cs soil concentration at Bikini Island from the aerial survey is 45 pCi/g; the median value from the terrestrial soil profile data is 59 pCi/g and the distributed mean is 60 pCi/g, both in good agreement with the aerial survey. For Eneu Island, the aerial survey result is 3.4 pCi/g, and the median and distributed mean are 3.6 and 3.8 pCi/g, respectively, for 273 soil profiles.

For most other islands, the aerial survey gives higher ^{137}Cs soil concentrations than does the terrestrial soil profile survey. There are two reasons that could account for this observation. First, the number of soil profiles collected at islands other than Bikini and Eneu are limited. This is because, as we mentioned in the Introduction, the time available at the other islands was short and dictated by the aerial survey. The distribution of the few soil profiles taken at each island during the NMIRS is critical; soil radionuclide concentrations are generally higher in the interior than at the periphery of an island. However, in many cases, the field team could not reach the interior of the islands because of the very dense vegetation and, thus, took the profiles nearer the periphery of the islands (see Appendix A, Figs. A-1 to A-14, for sample locations). In contrast, for Bikini and Eneu Islands, we have a major, continuing program that provides a constant source of samples. Second, each soil profile represents a very small area of the island and just a few kilograms of soil. The aerial survey detector system, on the other hand, views large areas of the island and tons of soil. It effectively integrates the activity over large surface areas. For small

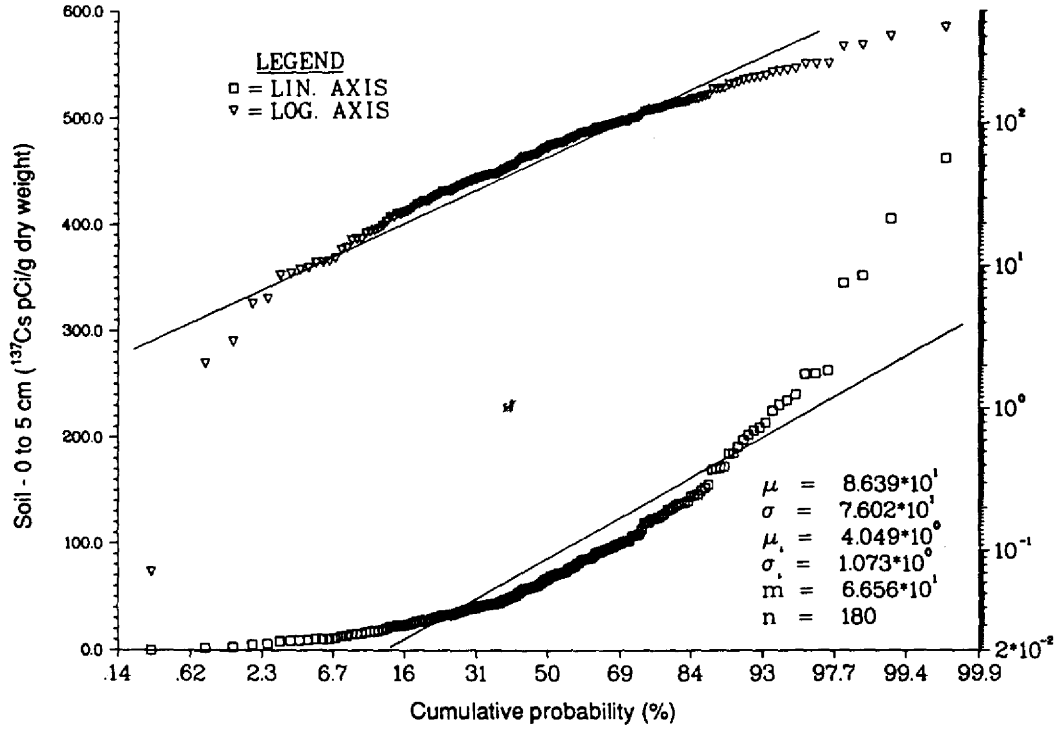

Figure 3. Probability plot of ^{137}Cs concentration in the top 0 to 5 cm of soil at Bikini Island.

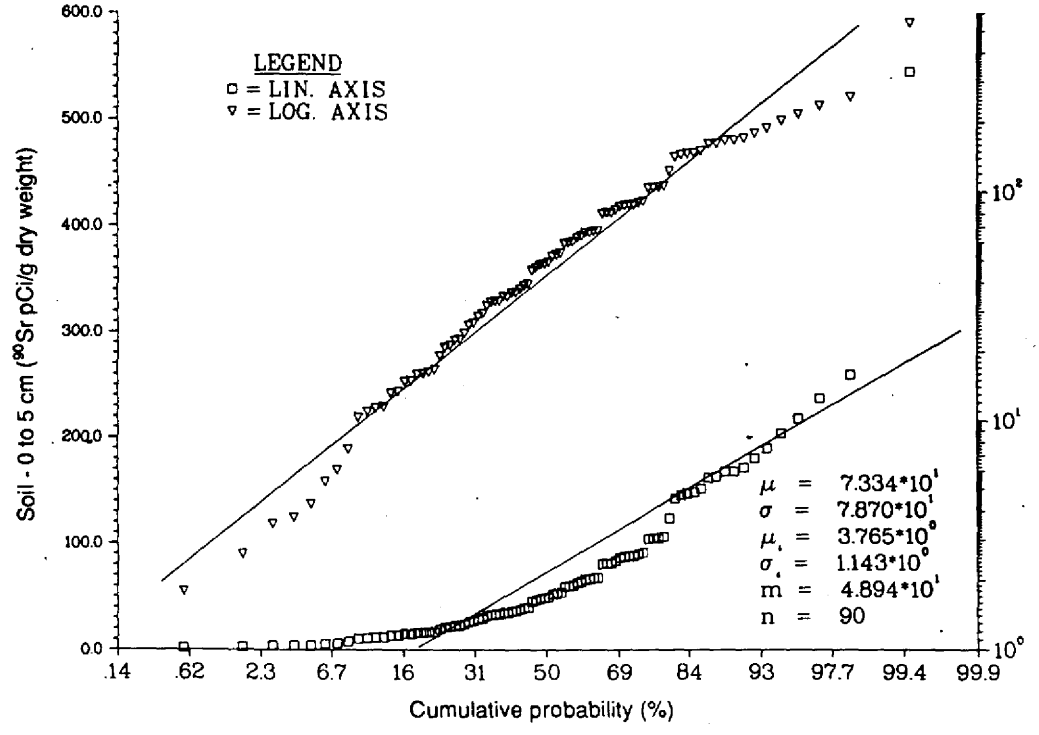

Figure 4. Probability plot of ^{90}Sr concentration in the top 0 to 5 cm of soil at Bikini Island.

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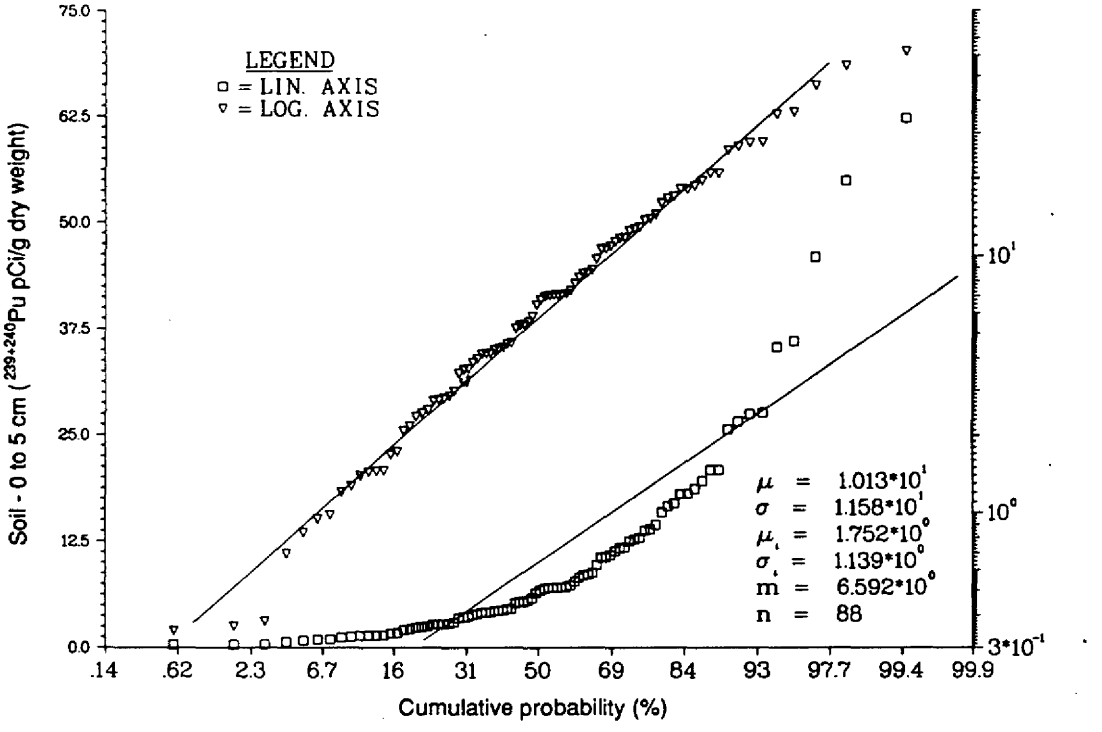

Figure 5. Probability plot of $^{239+240}$Pu concentration in the top 0 to 5 cm of soil at Bikini Island.

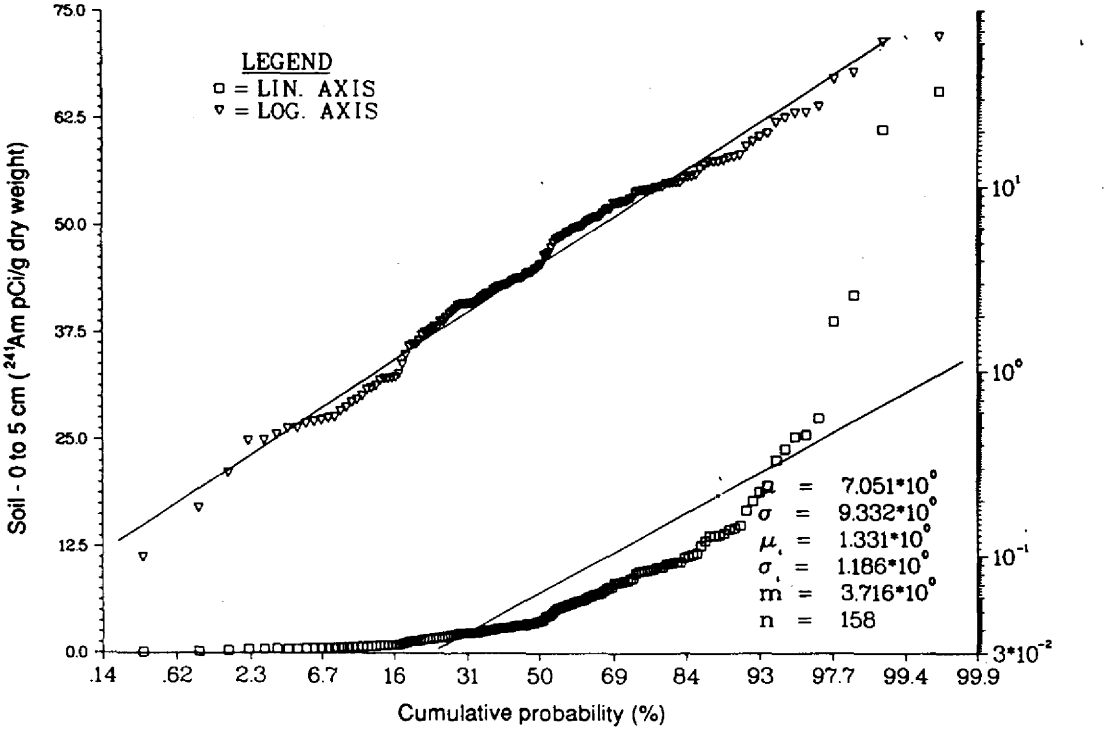

Figure 6. Probability plot of ^{241}Am concentration in the top 0 to 5 cm of soil at Bikini Island.

00323

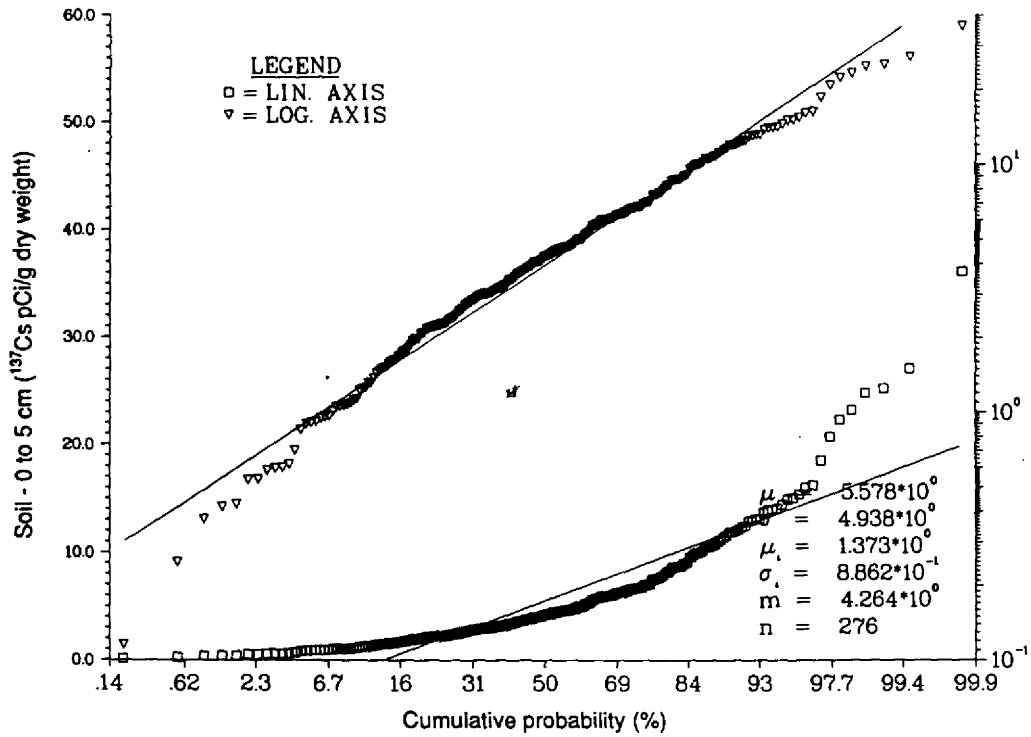

Figure 7. Probability plot of ^{137}Cs concentration in the top 0 to 5 cm of soil at Eneu Island.

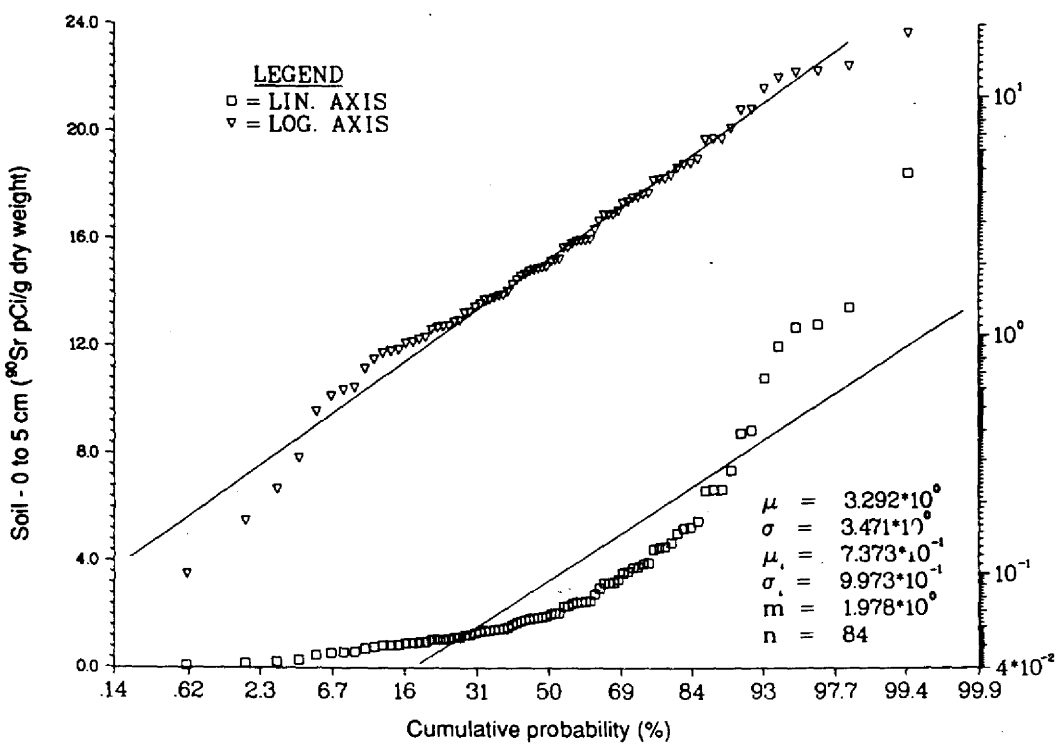

Figure 8. Probability plot of ^{90}Sr concentration in the top 0 to 5 cm of soil at Eneu Island.

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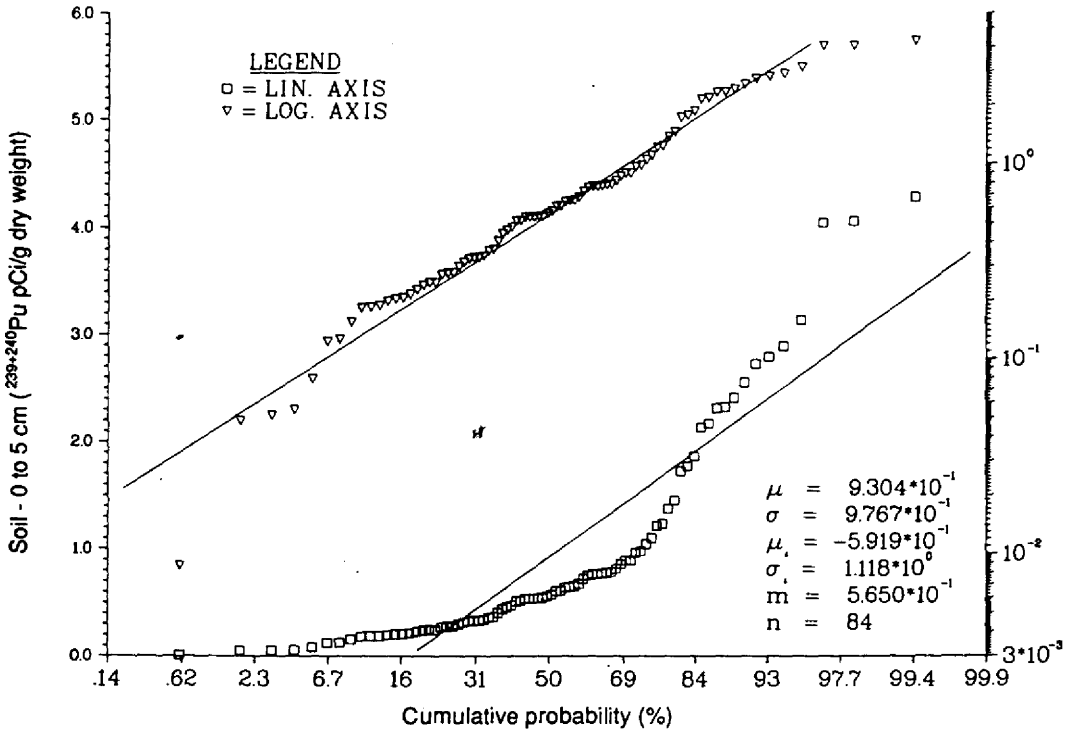

Figure 9. Probability plot of $^{239+240}$Pu concentration in the top 0 to 5 cm of soil at Eneu Island.

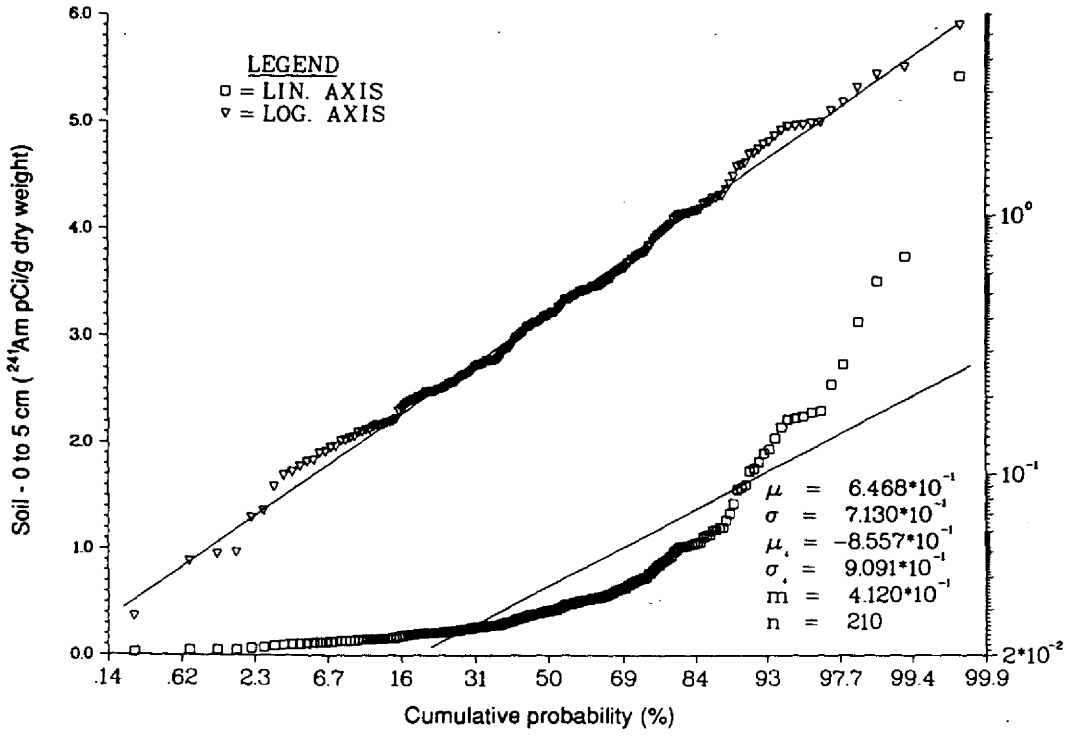

Figure 10. Probability plot of ^{241}Am concentration in the top 0 to 5 cm of soil at Eneu Island.

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and/or narrow islands, however, a correction is required for the aerial measurement and uncertainty is introduced in the final average concentration from the aerial measurement (Tipton and Meibaum, 1981).

The maximum difference observed between the two methods is about a factor of 3 or 4 for smaller islands, and, because of the uncertainties in the two methods, it is reasonable to assume that the average ^{137}Cs surface soil concentration is somewhere between the results listed for the two methods. As more soil profile samples are collected and analyzed, the average concentration will probably approach the average concentration determined by the aerial measurement.

Listed in Appendix B (Tables B-1 to B-14) are the comparative results of the individual soil profiles for each island on Bikini Atoll and the corresponding aerial activity contour. This comparison gives a better idea of how well the soil profile data match the aerial data because each sample is compared with the associated aerial contour in which it is located rather than the island average. Thus, the error introduced by looking at island averages where no soil profiles were taken in the center of the island is eliminated. It does not, of course, improve in any way the resolution of the aerial system, so there is still an averaging effect within a contour.

Also, an uncertainty still exists in the precise location of the soil profile sample and the small size of the soil profile. The sample locations were marked on maps carried by the field teams but they are approximate locations (see Appendix A). The exact location of the soil profile sample could easily be several meters from where we have it recorded on the maps. Thus, when the location is near the boundary of two or more contour regions, the true soil profile location could fall in any of the nearby aerial contour regions.

We would expect, therefore, that the correlations would not always be exact because of the uncertainty in the soil profile location and also because the soil profile analysis involves a very small area of the soil surface, while the aerial measurement integrates a much larger surface area. Overall, the correlation between the soil profile and aerial results are reasonably good.

The median and mean radionuclide concentrations for ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am for each island for each soil increment to a depth of 60 cm are given in Tables 5 to 30. Data are also given for the average

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Table 5. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Nam Island (B-1).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	8.3×10^{0}	3.1×10^{1}	3.4×10^{1}	7.4×10^{1}	2.5×10^{1}	6.0×10^{1}	1.2×10^{1}	1.9×10^{1}
05-10	3.4×10^{0}	1.5×10^{1}	2.7×10^{1}	5.4×10^{1}	2.1×10^{1}	3.7×10^{1}	1.2×10^{1}	2.2×10^{1}
10-15	3.8×10^{0}	1.7×10^{1}	2.6×10^{1}	4.9×10^{1}	1.6×10^{1}	2.8×10^{2}	9.7×10^{0}	3.0×10^{1}
15-25	4.0×10^{0}	1.3×10^{1}	2.2×10^{1}	4.8×10^{1}	6.3×10^{0}	4.4×10^{1}	3.3×10^{0}	2.9×10^{1}
25-40	2.3×10^{0}	1.2×10^{1}	1.9×10^{1}	6.7×10^{1}	2.3×10^{0}	4.6×10^{1}	1.1×10^{0}	1.8×10^{1}
40-60	8.7×10^{-1}	9.4×10^{0}	1.0×10^{1}	1.0×10^{2}	2.0×10^{0}	9.8×10^{1}	8.0×10^{-1}	2.9×10^{1}
00-05	8.3×10^{0}	3.1×10^{1}	3.4×10^{1}	7.4×10^{1}	2.5×10^{1}	6.0×10^{1}	1.2×10^{1}	1.9×10^{1}
00-10	5.2×10^{0}	2.3×10^{1}	2.9×10^{1}	6.4×10^{1}	2.5×10^{1}	5.0×10^{1}	1.3×10^{1}	2.1×10^{1}
00-15	6.7×10^{0}	2.1×10^{1}	2.8×10^{1}	5.9×10^{1}	2.7×10^{1}	1.4×10^{2}	1.2×10^{1}	2.5×10^{1}
00-25	5.7×10^{0}	1.8×10^{1}	2.9×10^{1}	5.5×10^{1}	2.4×10^{1}	1.0×10^{2}	8.1×10^{0}	2.9×10^{1}
00-40	4.6×10^{0}	1.5×10^{1}	2.5×10^{1}	5.9×10^{1}	1.5×10^{1}	8.7×10^{1}	6.4×10^{0}	2.6×10^{1}
00-60	3.6×10^{0}	1.4×10^{1}	2.7×10^{1}	7.6×10^{1}	1.1×10^{1}	1.0×10^{2}	5.8×10^{0}	3.3×10^{1}

NOTE: Specific activity is decay corrected to 1987.

Table 6. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Irioj Island (B-2).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	1.1×10^{0}	6.1×10^{0}	6.1×10^{0}	3.3×10^{1}	4.2×10^{0}	1.0×10^{1}	1.9×10^{0}	4.9×10^{0}
05-10	6.2×10^{-1}	1.3×10^{0}	4.0×10^{0}	9.4×10^{0}	4.2×10^{0}	5.5×10^{0}	2.4×10^{0}	2.7×10^{0}
10-15	4.3×10^{-1}	6.5×10^{-1}	4.9×10^{0}	6.0×10^{0}	2.7×10^{0}	3.8×10^{0}	8.0×10^{-1}	7.9×10^{-1}
15-25	8.3×10^{-1}	9.9×10^{-1}	5.5×10^{0}	9.7×10^{0}	2.5×10^{0}	4.5×10^{0}	4.3×10^{-1}	1.0×10^{0}
25-40	5.0×10^{-1}	4.8×10^{-1}	4.5×10^{0}	4.3×10^{0}	2.4×10^{0}	3.3×10^{0}	1.1×10^{0}	1.2×10^{0}
40-60	3.9×10^{-1}	4.0×10^{-1}	3.5×10^{0}	4.5×10^{0}	1.0×10^{0}	2.1×10^{0}	4.1×10^{-1}	4.7×10^{-1}
00-05	1.1×10^{0}	6.1×10^{0}	6.1×10^{0}	3.3×10^{1}	4.2×10^{0}	1.0×10^{1}	1.9×10^{0}	4.9×10^{0}
00-10	8.5×10^{-1}	3.7×10^{0}	5.1×10^{0}	2.1×10^{1}	3.9×10^{0}	7.7×10^{0}	3.3×10^{0}	4.0×10^{0}
00-15	7.9×10^{-1}	2.7×10^{0}	5.1×10^{0}	1.6×10^{1}	3.9×10^{0}	6.4×10^{0}	3.4×10^{0}	3.6×10^{0}
00-25	9.4×10^{-1}	2.0×10^{0}	6.7×10^{0}	1.4×10^{1}	5.4×10^{0}	5.7×10^{0}	2.3×10^{0}	2.7×10^{0}
00-40	8.4×10^{-1}	1.4×10^{0}	6.7×10^{0}	1.0×10^{1}	4.4×10^{0}	4.8×10^{0}	2.1×10^{0}	2.0×10^{0}
00-60	7.4×10^{-1}	1.3×10^{0}	8.3×10^{0}	8.9×10^{0}	3.2×10^{0}	4.1×10^{0}	1.5×10^{0}	1.4×10^{0}

NOTE: Specific activity is decay corrected to 1987.

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Table 7. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Odrik Island (B-3).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	7.1×10^{-1}	7.6×10^{-1}	7.2×10^{0}	7.0×10^{0}	4.8×10^{0}	6.1×10^{0}	2.9×10^{0}	3.6×10^{0}
05-10	4.8×10^{-1}	6.1×10^{-1}	1.5×10^{1}	1.1×10^{1}	5.6×10^{0}	6.7×10^{0}	3.5×10^{0}	3.9×10^{0}
10-15	3.9×10^{-1}	4.7×10^{-1}	7.6×10^{0}	7.7×10^{0}	5.6×10^{0}	5.5×10^{0}	2.7×10^{0}	2.5×10^{0}
15-25	3.2×10^{-1}	5.1×10^{-1}	5.3×10^{0}	8.1×10^{0}	4.5×10^{0}	3.8×10^{0}	2.8×10^{0}	2.8×10^{0}
25-40	3.1×10^{-1}	3.8×10^{-1}	4.5×10^{0}	6.2×10^{0}	3.3×10^{0}	3.6×10^{0}	1.1×10^{0}	1.7×10^{0}
40-60	3.1×10^{-1}	4.6×10^{-1}	2.8×10^{0}	4.1×10^{0}	1.6×10^{0}	1.9×10^{0}	1.7×10^{-1}	4.3×10^{-1}
00-05	7.1×10^{-1}	7.6×10^{-1}	7.2×10^{0}	7.0×10^{0}	4.8×10^{0}	6.1×10^{0}	2.9×10^{0}	3.6×10^{0}
00-10	5.6×10^{-1}	6.8×10^{-1}	1.1×10^{1}	8.9×10^{0}	4.8×10^{0}	6.4×10^{0}	3.1×10^{0}	3.8×10^{0}
00-15	4.8×10^{-1}	6.1×10^{-1}	1.2×10^{1}	8.5×10^{0}	5.1×10^{0}	6.1×10^{0}	3.1×10^{0}	3.3×10^{0}
00-25	4.2×10^{-1}	5.7×10^{-1}	9.7×10^{0}	8.3×10^{0}	4.9×10^{0}	5.2×10^{0}	3.0×10^{0}	3.1×10^{0}
00-40	5.4×10^{-1}	5.0×10^{-1}	7.8×10^{0}	7.5×10^{0}	4.1×10^{0}	4.6×10^{0}	2.9×10^{0}	2.6×10^{0}
00-60	5.8×10^{-1}	5.4×10^{-1}	6.6×10^{0}	6.6×10^{0}	3.3×10^{0}	2.6×10^{0}	1.7×10^{0}	1.6×10^{0}

NOTE: Specific activity is decay corrected to 1987.

Table 8. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Lomilik Island (B-4).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	1.5×10^{0}	6.9×10^{0}	1.1×10^{1}	2.4×10^{1}	6.7×10^{0}	1.6×10^{1}	3.0×10^{0}	4.3×10^{0}
05-10	1.8×10^{0}	4.1×10^{0}	1.1×10^{1}	1.7×10^{1}	5.9×10^{0}	1.1×10^{1}	2.5×10^{0}	3.1×10^{0}
10-15	1.3×10^{0}	2.7×10^{0}	1.1×10^{1}	1.6×10^{1}	4.6×10^{0}	5.6×10^{0}	1.8×10^{0}	2.2×10^{0}
15-25	1.3×10^{0}	1.8×10^{0}	1.1×10^{1}	1.6×10^{1}	5.0×10^{0}	6.2×10^{0}	2.0×10^{0}	2.2×10^{0}
25-40	1.2×10^{0}	1.3×10^{0}	1.2×10^{1}	1.2×10^{1}	5.4×10^{0}	4.4×10^{0}	1.8×10^{0}	1.7×10^{0}
40-60	9.1×10^{-1}	9.0×10^{-1}	9.5×10^{0}	9.8×10^{0}	4.9×10^{0}	4.5×10^{0}	7.5×10^{-1}	1.5×10^{0}
00-05	1.5×10^{0}	6.9×10^{0}	1.1×10^{1}	2.4×10^{1}	6.7×10^{0}	1.6×10^{1}	3.0×10^{0}	4.3×10^{0}
00-10	1.6×10^{0}	5.5×10^{0}	1.1×10^{1}	2.0×10^{1}	5.8×10^{0}	1.3×10^{1}	2.6×10^{0}	3.7×10^{0}
00-15	1.8×10^{0}	4.6×10^{0}	1.0×10^{1}	1.9×10^{1}	5.7×10^{0}	1.1×10^{1}	2.6×10^{0}	3.2×10^{0}
00-25	2.1×10^{0}	3.5×10^{0}	1.1×10^{1}	1.8×10^{1}	6.0×10^{0}	9.1×10^{0}	2.4×10^{0}	2.8×10^{0}
00-40	1.5×10^{0}	2.7×10^{0}	1.1×10^{1}	1.5×10^{1}	6.1×10^{0}	7.1×10^{0}	2.2×10^{0}	2.3×10^{0}
00-60	1.2×10^{0}	2.1×10^{0}	1.1×10^{1}	1.3×10^{1}	6.5×10^{0}	6.1×10^{0}	1.9×10^{0}	2.0×10^{0}

NOTE: Specific activity is decay corrected to 1987.

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Table 9. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Aomen Island (B-5).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	1.4×10^{0}	2.6×10^{0}	6.2×10^{0}	4.7×10^{0}	4.9×10^{0}	4.4×10^{0}	2.9×10^{0}	2.8×10^{0}
05-10	8.5×10^{-1}	1.3×10^{0}	4.2×10^{0}	7.7×10^{0}	4.1×10^{0}	4.1×10^{0}	2.0×10^{0}	1.7×10^{0}
10-15	1.2×10^{0}	1.6×10^{0}	8.5×10^{0}	1.1×10^{1}	4.3×10^{0}	3.8×10^{0}	1.9×10^{0}	1.6×10^{0}
15-25	7.9×10^{-1}	1.2×10^{0}	4.9×10^{0}	5.3×10^{0}	2.4×10^{0}	2.7×10^{0}	9.4×10^{-1}	1.3×10^{0}
25-40	1.1×10^{0}	2.4×10^{0}	5.2×10^{0}	6.5×10^{0}	2.9×10^{0}	3.2×10^{0}	1.8×10^{0}	1.8×10^{0}
40-60	1.5×10^{0}	1.2×10^{0}	7.7×10^{0}	7.7×10^{0}	2.1×10^{0}	3.1×10^{0}	6.6×10^{-1}	1.1×10^{0}
00-05	1.4×10^{0}	2.6×10^{0}	6.2×10^{0}	4.7×10^{0}	4.9×10^{0}	4.4×10^{0}	2.9×10^{0}	2.8×10^{0}
00-10	1.3×10^{0}	1.9×10^{0}	5.7×10^{0}	6.2×10^{0}	4.4×10^{0}	4.2×10^{0}	2.1×10^{0}	2.3×10^{0}
00-15	1.2×10^{0}	1.8×10^{0}	1.1×10^{1}	7.7×10^{0}	4.2×10^{0}	3.6×10^{0}	2.1×10^{0}	2.1×10^{0}
00-25	1.3×10^{0}	1.6×10^{0}	8.5×10^{0}	6.7×10^{0}	3.2×10^{0}	3.2×10^{0}	1.9×10^{0}	1.7×10^{0}
00-40	1.3×10^{0}	1.9×10^{0}	6.7×10^{0}	6.7×10^{0}	3.2×10^{0}	3.5×10^{0}	1.9×10^{0}	1.8×10^{0}
00-60	3.0×10^{0}	2.3×10^{0}	7.0×10^{0}	7.0×10^{0}	2.9×10^{0}	3.0×10^{0}	9.3×10^{-1}	1.3×10^{0}

NOTE: Specific activity is decay corrected to 1987.

Table 10. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Bikini Island (B-6).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	6.7×10^{1}	8.6×10^{1}	4.9×10^{1}	7.3×10^{1}	6.6×10^{0}	1.0×10^{1}	3.7×10^{0}	7.1×10^{0}
05-10	4.0×10^{1}	6.2×10^{1}	5.2×10^{1}	7.9×10^{1}	6.7×10^{0}	1.1×10^{1}	3.9×10^{0}	6.6×10^{0}
10-15	2.6×10^{1}	4.3×10^{1}	5.1×10^{1}	7.5×10^{1}	5.6×10^{0}	8.9×10^{0}	3.0×10^{0}	5.6×10^{0}
15-25	9.9×10^{0}	2.8×10^{1}	3.1×10^{1}	5.5×10^{1}	2.6×10^{0}	5.8×10^{0}	1.0×10^{0}	3.7×10^{0}
25-40	4.1×10^{0}	1.8×10^{1}	1.9×10^{1}	4.6×10^{1}	6.4×10^{-1}	4.5×10^{0}	5.8×10^{-1}	2.7×10^{0}
40-60	1.1×10^{0}	6.5×10^{0}	1.2×10^{1}	3.4×10^{1}	2.3×10^{-1}	2.1×10^{0}	3.4×10^{-1}	1.3×10^{0}
00-05	6.7×10^{1}	8.6×10^{1}	4.9×10^{1}	7.3×10^{1}	6.6×10^{0}	1.0×10^{1}	3.7×10^{0}	7.1×10^{0}
00-10	5.9×10^{1}	7.4×10^{1}	5.5×10^{1}	7.6×10^{1}	6.8×10^{0}	1.0×10^{1}	4.5×10^{0}	6.9×10^{0}
00-15	4.6×10^{1}	6.3×10^{1}	5.6×10^{1}	7.6×10^{1}	6.8×10^{0}	9.9×10^{0}	4.5×10^{0}	6.5×10^{0}
00-25	3.5×10^{1}	4.9×10^{1}	5.4×10^{1}	6.7×10^{1}	6.8×10^{0}	8.5×10^{0}	4.2×10^{0}	5.4×10^{0}
00-40	2.4×10^{1}	3.7×10^{1}	4.5×10^{1}	5.9×10^{1}	5.0×10^{0}	7.0×10^{0}	3.2×10^{0}	4.5×10^{0}
00-60	1.7×10^{1}	2.4×10^{1}	4.2×10^{1}	5.7×10^{1}	3.5×10^{0}	6.2×10^{0}	1.9×10^{0}	3.4×10^{0}

NOTE: Specific activity is decay corrected to 1987.

5000330

Table 11. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section B1 on Bikini Island (B-6).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	8.5×10^{1}	8.8×10^{1}	1.3×10^{2}	1.3×10^{2}	2.3×10^{1}	2.3×10^{1}	1.1×10^{1}	1.1×10^{1}
05-10	9.6×10^{1}	7.1×10^{1}	1.6×10^{2}	1.6×10^{2}	2.2×10^{1}	2.2×10^{1}	1.3×10^{1}	1.3×10^{1}
10-15	8.4×10^{1}	6.6×10^{1}	2.1×10^{2}	2.1×10^{2}	2.3×10^{1}	2.3×10^{1}	1.3×10^{1}	1.3×10^{1}
15-25	7.5×10^{1}	6.4×10^{1}	1.6×10^{2}	1.6×10^{2}	2.9×10^{1}	2.9×10^{1}	1.5×10^{1}	1.5×10^{1}
25-40	2.5×10^{1}	2.8×10^{1}	9.8×10^{1}	9.8×10^{1}	1.2×10^{1}	1.2×10^{1}	3.0×10^{0}	3.0×10^{0}
40-60	6.0×10^{0}	6.0×10^{0}	7.4×10^{1}	7.4×10^{1}	4.8×10^{-1}	4.8×10^{-1}	3.6×10^{-1}	3.6×10^{-1}
00-05	8.5×10^{1}	8.8×10^{1}	1.3×10^{2}	1.3×10^{2}	2.3×10^{1}	2.3×10^{1}	1.1×10^{1}	1.1×10^{1}
00-10	9.4×10^{1}	7.9×10^{1}	1.4×10^{2}	1.4×10^{2}	2.3×10^{1}	2.3×10^{1}	1.2×10^{1}	1.2×10^{1}
00-15	9.8×10^{1}	7.5×10^{1}	1.6×10^{2}	1.6×10^{2}	2.3×10^{1}	2.3×10^{1}	1.2×10^{1}	1.2×10^{1}
00-25	9.1×10^{1}	7.0×10^{1}	1.6×10^{2}	1.6×10^{2}	2.5×10^{1}	2.5×10^{1}	1.3×10^{1}	1.3×10^{1}
00-40	6.6×10^{1}	5.4×10^{1}	1.4×10^{2}	1.4×10^{2}	2.0×10^{1}	2.0×10^{1}	9.6×10^{0}	9.6×10^{0}
00-60	5.3×10^{1}	5.3×10^{1}	1.6×10^{2}	1.6×10^{2}	1.4×10^{1}	1.4×10^{1}	6.5×10^{0}	6.5×10^{0}

NOTE: Specific activity is decay corrected to 1987.

Table 12. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section B2 on Bikini Island (B-6).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	7.1×10^{1}	8.6×10^{1}	4.7×10^{1}	1.1×10^{2}	7.0×10^{0}	1.3×10^{1}	4.3×10^{0}	7.6×10^{0}
05-10	4.8×10^{1}	5.4×10^{1}	5.4×10^{1}	8.0×10^{1}	8.7×10^{0}	8.4×10^{0}	5.2×10^{0}	9.0×10^{0}
10-15	2.7×10^{1}	4.0×10^{1}	2.8×10^{1}	7.2×10^{1}	2.9×10^{0}	7.6×10^{0}	3.5×10^{0}	5.3×10^{0}
15-25	9.3×10^{0}	3.5×10^{1}	2.8×10^{1}	6.1×10^{1}	1.0×10^{0}	5.6×10^{0}	6.1×10^{-1}	4.8×10^{0}
25-40	3.7×10^{0}	1.5×10^{1}	1.7×10^{1}	3.0×10^{1}	1.9×10^{-1}	1.3×10^{0}	1.4×10^{-1}	2.1×10^{0}
40-60	9.6×10^{-1}	2.5×10^{0}	9.5×10^{0}	6.5×10^{0}	9.0×10^{-3}	1.0×10^{-2}	4.5×10^{-3}	1.4×10^{-2}
00-05	7.1×10^{1}	8.6×10^{1}	4.7×10^{1}	1.1×10^{2}	7.0×10^{0}	1.3×10^{1}	4.3×10^{0}	7.6×10^{0}
00-10	6.3×10^{1}	7.0×10^{1}	5.2×10^{1}	9.4×10^{1}	8.4×10^{0}	1.1×10^{1}	5.6×10^{0}	8.4×10^{0}
00-15	5.6×10^{1}	5.8×10^{1}	5.5×10^{1}	8.7×10^{1}	9.0×10^{0}	9.8×10^{0}	5.5×10^{0}	6.2×10^{0}
00-25	3.5×10^{1}	4.6×10^{1}	4.7×10^{1}	7.6×10^{1}	6.2×10^{0}	8.4×10^{0}	4.3×10^{0}	6.0×10^{0}
00-40	2.2×10^{1}	3.5×10^{1}	3.7×10^{1}	6.3×10^{1}	4.2×10^{0}	6.2×10^{0}	3.3×10^{0}	4.9×10^{0}
00-60	1.3×10^{1}	1.8×10^{1}	2.8×10^{1}	5.6×10^{1}	2.8×10^{0}	5.2×10^{0}	2.2×10^{0}	3.0×10^{0}

NOTE: Specific activity is decay corrected to 1987.

5000331

Table 13. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section B3 on Bikini Island (B-6).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	7.4×10^{1}	1.0×10^{2}	4.9×10^{1}	6.8×10^{1}	4.5×10^{0}	7.5×10^{0}	4.1×10^{0}	7.4×10^{0}
05-10	4.2×10^{1}	6.4×10^{1}	6.0×10^{1}	8.3×10^{1}	7.3×10^{0}	1.2×10^{1}	3.6×10^{0}	5.8×10^{0}
10-15	1.7×10^{1}	3.5×10^{1}	6.2×10^{1}	8.2×10^{1}	8.0×10^{0}	1.0×10^{1}	1.7×10^{0}	4.5×10^{0}
15-25	6.0×10^{0}	1.4×10^{1}	3.0×10^{1}	4.5×10^{1}	2.5×10^{0}	3.8×10^{0}	9.6×10^{-1}	2.1×10^{0}
25-40	8.4×10^{-1}	8.5×10^{0}	1.7×10^{1}	4.6×10^{1}	3.2×10^{-1}	4.7×10^{0}	7.1×10^{-1}	2.7×10^{0}
40-60	4.1×10^{-1}	4.2×10^{0}	5.1×10^{1}	4.5×10^{1}	1.1×10^{0}	1.9×10^{0}	6.4×10^{-1}	1.9×10^{0}
00-05	7.4×10^{1}	1.0×10^{2}	4.9×10^{1}	6.8×10^{1}	4.5×10^{0}	7.5×10^{0}	4.1×10^{0}	7.4×10^{0}
00-10	6.5×10^{1}	8.3×10^{1}	5.5×10^{1}	7.6×10^{1}	5.7×10^{0}	9.9×10^{0}	4.7×10^{0}	6.8×10^{0}
00-15	5.3×10^{1}	6.5×10^{1}	6.1×10^{1}	7.8×10^{1}	6.5×10^{0}	1.0×10^{1}	4.6×10^{0}	6.2×10^{0}
00-25	3.5×10^{1}	4.4×10^{1}	6.2×10^{1}	6.4×10^{1}	6.5×10^{0}	7.8×10^{0}	4.2×10^{0}	4.4×10^{0}
00-40	2.3×10^{1}	3.1×10^{1}	4.9×10^{1}	5.8×10^{1}	4.8×10^{0}	6.6×10^{0}	2.4×10^{0}	3.7×10^{0}
00-60	1.6×10^{1}	2.2×10^{1}	8.5×10^{1}	8.5×10^{1}	7.8×10^{0}	7.7×10^{0}	1.7×10^{0}	3.2×10^{0}

NOTE: Specific activity is decay corrected to 1987.

Table 14. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section B4 on Bikini Island (B-6).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	4.9×10^{1}	7.5×10^{1}	3.8×10^{1}	6.0×10^{1}	4.3×10^{0}	8.4×10^{0}	2.8×10^{0}	5.1×10^{0}
05-10	4.1×10^{1}	6.9×10^{1}	4.2×10^{1}	6.6×10^{1}	4.9×10^{0}	9.7×10^{0}	3.2×10^{0}	6.6×10^{0}
10-15	4.5×10^{1}	5.8×10^{1}	5.4×10^{1}	6.8×10^{1}	5.7×10^{0}	9.7×10^{0}	3.7×10^{0}	7.3×10^{0}
15-25	1.9×10^{1}	4.4×10^{1}	3.1×10^{1}	5.0×10^{1}	3.2×10^{0}	5.9×10^{0}	1.3×10^{0}	4.6×10^{0}
25-40	8.3×10^{0}	3.4×10^{1}	2.2×10^{1}	5.7×10^{1}	1.4×10^{0}	6.1×10^{0}	7.8×10^{-1}	3.7×10^{0}
40-60	2.0×10^{0}	1.2×10^{1}	1.3×10^{1}	4.3×10^{1}	2.5×10^{-1}	3.4×10^{0}	1.4×10^{-1}	1.7×10^{0}
00-05	4.9×10^{1}	7.5×10^{1}	3.8×10^{1}	6.0×10^{1}	4.3×10^{0}	8.4×10^{0}	2.8×10^{0}	5.1×10^{0}
00-10	4.9×10^{1}	7.2×10^{1}	4.2×10^{1}	6.3×10^{1}	4.9×10^{0}	9.1×10^{0}	4.1×10^{0}	5.8×10^{0}
00-15	4.5×10^{1}	6.7×10^{1}	4.5×10^{1}	6.4×10^{1}	5.0×10^{0}	9.3×10^{0}	3.9×10^{0}	6.3×10^{0}
00-25	4.2×10^{1}	5.8×10^{1}	5.3×10^{1}	5.8×10^{1}	6.2×10^{0}	8.1×10^{0}	3.9×10^{0}	5.9×10^{0}
00-40	3.1×10^{1}	4.9×10^{1}	4.6×10^{1}	5.8×10^{1}	4.8×10^{0}	7.3×10^{0}	4.3×10^{0}	5.3×10^{0}
00-60	2.0×10^{1}	3.1×10^{1}	3.5×10^{1}	5.2×10^{1}	2.9×10^{0}	6.4×10^{0}	1.4×10^{0}	3.8×10^{0}

NOTE: Specific activity is decay corrected to 1987.

5000332

Table 15. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section B5 on Bikini Island (B-6).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	7.7×10^{1}	9.1×10^{1}	5.2×10^{1}	6.4×10^{1}	8.8×10^{0}	1.3×10^{1}	6.8×10^{0}	1.2×10^{1}
05-10	3.8×10^{1}	5.4×10^{1}	4.7×10^{1}	8.1×10^{1}	6.6×10^{0}	1.0×10^{1}	3.5×10^{0}	5.7×10^{0}
10-15	2.0×10^{1}	3.5×10^{1}	5.1×10^{1}	7.7×10^{1}	4.3×10^{0}	5.7×10^{0}	4.2×10^{0}	4.5×10^{0}
15-25	1.5×10^{1}	2.2×10^{1}	3.2×10^{1}	6.4×10^{1}	3.9×10^{0}	6.8×10^{0}	1.6×10^{0}	2.9×10^{0}
25-40	5.3×10^{0}	9.2×10^{0}	1.9×10^{1}	2.8×10^{1}	8.5×10^{-1}	1.9×10^{0}	3.3×10^{-1}	5.5×10^{-1}
40-60	3.4×10^{0}	4.3×10^{0}	1.2×10^{1}	1.3×10^{1}	2.1×10^{-1}	2.8×10^{-1}	7.0×10^{-2}	1.2×10^{-1}
00-05	7.7×10^{1}	9.1×10^{1}	5.2×10^{1}	6.4×10^{1}	8.8×10^{0}	1.3×10^{1}	6.8×10^{0}	1.2×10^{1}
00-10	6.1×10^{1}	7.1×10^{1}	6.0×10^{1}	7.2×10^{1}	7.0×10^{0}	1.1×10^{1}	4.3×10^{0}	8.8×10^{0}
00-15	4.5×10^{1}	5.9×10^{1}	5.6×10^{1}	7.4×10^{1}	7.1×10^{0}	9.5×10^{0}	4.7×10^{0}	7.7×10^{0}
00-25	3.5×10^{1}	4.5×10^{1}	5.7×10^{1}	7.0×10^{1}	8.8×10^{0}	9.0×10^{0}	4.7×10^{0}	6.1×10^{0}
00-40	2.5×10^{1}	3.2×10^{1}	4.4×10^{1}	5.4×10^{1}	5.6×10^{0}	6.2×10^{0}	3.1×10^{0}	3.2×10^{0}
00-60	1.9×10^{1}	2.3×10^{1}	4.7×10^{1}	4.8×10^{1}	3.5×10^{0}	4.2×10^{0}	1.9×10^{0}	2.2×10^{0}

NOTE: Specific activity is decay corrected to 1987.

Table 16. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section B6 on Bikini Island (B-6).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	3.3×10^{1}	6.7×10^{1}	1.0×10^{2}	1.0×10^{2}	4.7×10^{0}	1.0×10^{1}	2.4×10^{0}	4.7×10^{0}
05-10	2.3×10^{1}	4.8×10^{1}	2.2×10^{1}	1.1×10^{2}	4.5×10^{0}	1.2×10^{1}	3.4×10^{0}	6.6×10^{0}
10-15	1.6×10^{1}	2.7×10^{1}	2.4×10^{1}	6.0×10^{1}	3.8×10^{0}	6.4×10^{0}	2.7×10^{0}	3.5×10^{0}
15-25	8.6×10^{0}	1.6×10^{1}	1.8×10^{1}	4.5×10^{1}	1.5×10^{0}	1.5×10^{0}	7.3×10^{-1}	1.3×10^{0}
25-40	5.1×10^{0}	6.7×10^{0}	2.2×10^{1}	2.8×10^{1}	1.6×10^{-1}	1.8×10^{0}	2.3×10^{-1}	2.3×10^{0}
40-60	1.8×10^{0}	4.3×10^{0}	6.2×10^{0}	6.2×10^{0}	1.5×10^{-1}	1.5×10^{-1}	7.2×10^{-2}	1.7×10^{-1}
00-05	3.3×10^{1}	6.7×10^{1}	1.0×10^{2}	1.0×10^{2}	4.7×10^{0}	1.0×10^{1}	2.4×10^{0}	4.7×10^{0}
00-10	2.9×10^{1}	5.8×10^{1}	7.6×10^{1}	1.0×10^{2}	4.2×10^{0}	1.1×10^{1}	2.7×10^{0}	6.0×10^{0}
00-15	2.4×10^{1}	4.8×10^{1}	5.4×10^{1}	9.0×10^{1}	4.2×10^{0}	9.6×10^{0}	3.6×10^{0}	5.5×10^{0}
00-25	1.9×10^{1}	3.5×10^{1}	5.0×10^{1}	7.2×10^{1}	3.3×10^{0}	6.4×10^{0}	2.2×10^{0}	2.5×10^{0}
00-40	1.4×10^{1}	2.1×10^{1}	3.2×10^{1}	4.9×10^{1}	4.0×10^{0}	4.7×10^{0}	1.5×10^{0}	2.6×10^{0}
00-60	7.1×10^{0}	1.2×10^{1}	2.3×10^{1}	2.3×10^{1}	2.7×10^{0}	2.7×10^{0}	2.3×10^{0}	2.6×10^{0}

NOTE: Specific activity is decay corrected to 1987.

5100333

Table 17. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Rojkere Island (B-10).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	6.0×10^{-2}	8.6×10^{0}	1.3×10^{0}	1.1×10^{1}	1.0×10^{0}	4.1×10^{0}	5.5×10^{-1}	2.6×10^{0}
05-10	1.2×10^{-1}	3.5×10^{0}	1.3×10^{0}	6.6×10^{0}	6.9×10^{-1}	2.5×10^{0}	6.5×10^{-1}	1.5×10^{0}
10-15	4.2×10^{-1}	1.8×10^{0}	4.6×10^{0}	5.3×10^{0}	2.0×10^{0}	2.1×10^{0}	1.4×10^{0}	1.2×10^{0}
15-25	3.6×10^{-1}	9.3×10^{-1}	5.0×10^{0}	4.9×10^{0}	1.1×10^{0}	1.5×10^{0}	5.5×10^{-1}	8.9×10^{-1}
25-40	3.8×10^{-1}	6.3×10^{-1}	3.5×10^{0}	3.3×10^{0}	7.2×10^{-1}	1.2×10^{0}	3.8×10^{-1}	6.7×10^{-1}
40-60	5.5×10^{-1}	3.9×10^{-1}	4.3×10^{0}	4.1×10^{0}	6.8×10^{-1}	1.6×10^{0}	4.8×10^{-1}	1.0×10^{0}
00-05	6.0×10^{-2}	8.6×10^{0}	1.3×10^{0}	1.1×10^{1}	1.0×10^{0}	4.1×10^{0}	5.5×10^{-1}	2.6×10^{0}
00-10	9.0×10^{-2}	6.0×10^{0}	1.3×10^{0}	8.7×10^{0}	8.7×10^{-1}	3.3×10^{0}	6.0×10^{-1}	2.1×10^{0}
00-15	2.0×10^{-1}	4.6×10^{0}	2.4×10^{0}	7.5×10^{0}	1.3×10^{0}	2.9×10^{0}	8.5×10^{-1}	1.8×10^{0}
00-25	2.7×10^{-1}	3.2×10^{0}	4.4×10^{0}	6.5×10^{0}	1.9×10^{0}	2.3×10^{0}	1.3×10^{0}	1.4×10^{0}
00-40	3.1×10^{-1}	2.2×10^{0}	4.8×10^{0}	5.3×10^{0}	2.2×10^{0}	1.9×10^{0}	1.4×10^{0}	1.1×10^{0}
00-60	3.9×10^{-1}	1.6×10^{0}	5.6×10^{0}	4.9×10^{0}	1.8×10^{0}	1.8×10^{0}	1.1×10^{0}	1.1×10^{0}

NOTE: Specific activity is decay corrected to 1987.

Table 18. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Eneu Island (B-12).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	4.3×10^{0}	5.6×10^{0}	2.0×10^{0}	3.3×10^{0}	5.7×10^{-1}	9.3×10^{-1}	4.1×10^{-1}	6.5×10^{-1}
05-10	2.7×10^{0}	3.9×10^{0}	2.2×10^{0}	3.2×10^{0}	6.5×10^{-1}	9.6×10^{-1}	3.9×10^{-1}	6.8×10^{-1}
10-15	2.0×10^{0}	3.2×10^{0}	2.5×10^{0}	3.8×10^{0}	6.2×10^{-1}	9.1×10^{-1}	4.3×10^{-1}	6.9×10^{-1}
15-25	1.1×10^{0}	2.1×10^{0}	2.1×10^{0}	3.5×10^{0}	4.7×10^{-1}	8.0×10^{-1}	3.6×10^{-1}	5.9×10^{-1}
25-40	6.3×10^{-1}	1.3×10^{0}	1.8×10^{0}	3.8×10^{0}	1.8×10^{-1}	7.7×10^{-1}	3.0×10^{-1}	6.2×10^{-1}
40-60	2.5×10^{-1}	9.6×10^{-1}	5.8×10^{-1}	3.6×10^{0}	1.9×10^{-2}	6.0×10^{-1}	7.9×10^{-2}	2.6×10^{-1}
00-05	4.3×10^{0}	5.6×10^{0}	2.0×10^{0}	3.3×10^{0}	5.7×10^{-1}	9.3×10^{-1}	4.1×10^{-1}	6.5×10^{-1}
00-10	3.6×10^{0}	4.8×10^{0}	2.2×10^{0}	3.3×10^{0}	5.9×10^{-1}	9.4×10^{-1}	4.3×10^{-1}	7.0×10^{-1}
00-15	3.2×10^{0}	4.3×10^{0}	2.3×10^{0}	3.4×10^{0}	7.0×10^{-1}	9.3×10^{-1}	4.5×10^{-1}	7.4×10^{-1}
00-25	2.5×10^{0}	3.4×10^{0}	2.5×10^{0}	3.5×10^{0}	6.4×10^{-1}	8.8×10^{-1}	4.5×10^{-1}	7.1×10^{-1}
00-40	1.9×10^{0}	2.7×10^{0}	2.1×10^{0}	3.6×10^{0}	5.5×10^{-1}	8.5×10^{-1}	4.3×10^{-1}	6.6×10^{-1}
00-60	1.5×10^{0}	2.2×10^{0}	2.1×10^{0}	4.5×10^{0}	3.9×10^{-1}	8.2×10^{-1}	4.3×10^{-1}	6.4×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 19. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section E1 on Eneu Island (B-12).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	6.2×10^{0}	7.5×10^{0}	3.8×10^{0}	4.6×10^{0}	8.9×10^{-1}	1.4×10^{0}	6.6×10^{-1}	8.5×10^{-1}
05-10	4.5×10^{0}	6.1×10^{0}	4.3×10^{0}	4.9×10^{0}	9.6×10^{-1}	1.2×10^{0}	7.4×10^{-1}	9.3×10^{-1}
10-15	4.1×10^{0}	6.7×10^{0}	5.1×10^{0}	5.7×10^{0}	7.5×10^{-1}	8.4×10^{-1}	5.4×10^{-1}	9.7×10^{-1}
15-25	3.1×10^{0}	4.3×10^{0}	4.0×10^{0}	6.1×10^{0}	6.7×10^{-1}	6.4×10^{-1}	4.8×10^{-1}	7.3×10^{-1}
25-40	7.5×10^{-1}	1.6×10^{0}	4.9×10^{0}	4.5×10^{0}	9.5×10^{-2}	4.0×10^{-1}	8.6×10^{-2}	3.1×10^{-1}
40-60	3.0×10^{-1}	8.6×10^{-1}	6.5×10^{-1}	1.7×10^{0}	5.2×10^{-3}	1.4×10^{-2}	7.9×10^{-2}	1.3×10^{-1}
00-05	6.2×10^{0}	7.5×10^{0}	3.8×10^{0}	4.6×10^{0}	8.9×10^{-1}	1.4×10^{0}	6.6×10^{-1}	8.5×10^{-1}
00-10	4.8×10^{0}	6.8×10^{0}	4.2×10^{0}	4.7×10^{0}	9.2×10^{-1}	1.3×10^{0}	6.8×10^{-1}	8.9×10^{-1}
00-15	5.4×10^{0}	6.8×10^{0}	4.0×10^{0}	5.1×10^{0}	9.9×10^{-1}	1.2×10^{0}	5.3×10^{-1}	8.6×10^{-1}
00-25	4.5×10^{0}	5.9×10^{0}	3.9×10^{0}	5.5×10^{0}	8.0×10^{-1}	9.5×10^{-1}	4.8×10^{-1}	8.2×10^{-1}
00-40	3.2×10^{0}	4.3×10^{0}	4.3×10^{0}	5.1×10^{0}	6.0×10^{-1}	7.4×10^{-1}	3.6×10^{-1}	5.8×10^{-1}
00-60	2.6×10^{0}	3.6×10^{0}	3.3×10^{0}	4.2×10^{0}	3.6×10^{-1}	4.3×10^{-1}	2.9×10^{-1}	4.5×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 20. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section E2 on Eneu Island (B-12).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	3.2×10^{0}	4.3×10^{0}	1.4×10^{0}	2.1×10^{0}	3.8×10^{-1}	5.5×10^{-1}	3.1×10^{-1}	5.2×10^{-1}
05-10	2.4×10^{0}	3.3×10^{0}	2.0×10^{0}	2.0×10^{0}	5.0×10^{-1}	5.6×10^{-1}	3.3×10^{-1}	6.3×10^{-1}
10-15	1.8×10^{0}	2.8×10^{0}	1.7×10^{0}	2.4×10^{0}	4.6×10^{-1}	7.2×10^{-1}	4.1×10^{-1}	5.9×10^{-1}
15-25	1.2×10^{0}	1.7×10^{0}	1.8×10^{0}	2.5×10^{0}	5.0×10^{-1}	7.8×10^{-1}	3.2×10^{-1}	4.9×10^{-1}
25-40	7.4×10^{-1}	1.2×10^{0}	1.5×10^{0}	2.9×10^{0}	3.3×10^{-1}	6.0×10^{-1}	3.1×10^{-1}	5.6×10^{-1}
40-60	2.9×10^{-1}	1.0×10^{0}	4.4×10^{-1}	4.6×10^{-1}	1.8×10^{-3}	9.4×10^{-3}	8.3×10^{-2}	2.6×10^{-1}
00-05	3.2×10^{0}	4.3×10^{0}	1.4×10^{0}	2.1×10^{0}	3.8×10^{-1}	5.5×10^{-1}	3.1×10^{-1}	5.2×10^{-1}
00-10	3.0×10^{0}	3.8×10^{0}	1.7×10^{0}	2.0×10^{0}	4.8×10^{-1}	5.5×10^{-1}	3.5×10^{-1}	5.9×10^{-1}
00-15	2.8×10^{0}	3.6×10^{0}	1.6×10^{0}	2.2×10^{0}	5.3×10^{-1}	6.1×10^{-1}	4.0×10^{-1}	6.2×10^{-1}
00-25	2.2×10^{0}	2.8×10^{0}	1.8×10^{0}	2.3×10^{0}	4.9×10^{-1}	6.8×10^{-1}	4.2×10^{-1}	5.7×10^{-1}
00-40	1.7×10^{0}	2.3×10^{0}	1.7×10^{0}	2.5×10^{0}	4.3×10^{-1}	6.5×10^{-1}	4.5×10^{-1}	5.1×10^{-1}
00-60	1.3×10^{0}	2.1×10^{0}	1.1×10^{0}	1.1×10^{0}	2.2×10^{-1}	2.9×10^{-1}	4.3×10^{-1}	5.5×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 21. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section E3 on Eneu Island (B-12).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	4.3×10^{0}	5.9×10^{0}	2.5×10^{0}	2.6×10^{0}	5.7×10^{-1}	1.1×10^{0}	3.3×10^{-1}	5.1×10^{-1}
05-10	2.2×10^{0}	3.6×10^{0}	2.6×10^{0}	2.7×10^{0}	6.3×10^{-1}	1.0×10^{0}	3.1×10^{-1}	5.0×10^{-1}
10-15	1.8×10^{0}	2.8×10^{0}	3.0×10^{0}	3.0×10^{0}	9.5×10^{-1}	1.3×10^{0}	4.5×10^{-1}	7.4×10^{-1}
15-25	1.3×10^{0}	1.8×10^{0}	1.9×10^{0}	2.6×10^{0}	4.9×10^{-1}	7.6×10^{-1}	3.2×10^{-1}	4.7×10^{-1}
25-40	6.2×10^{-1}	8.6×10^{-1}	1.7×10^{0}	2.4×10^{0}	3.8×10^{-1}	5.0×10^{-1}	3.1×10^{-1}	3.4×10^{-1}
40-60	1.5×10^{-1}	5.4×10^{-1}	3.1×10^{-1}	2.3×10^{-1}	1.9×10^{-2}	2.9×10^{-2}	7.7×10^{-2}	1.0×10^{-1}
00-05	4.3×10^{0}	5.9×10^{0}	2.5×10^{0}	2.6×10^{0}	5.7×10^{-1}	1.1×10^{0}	3.3×10^{-1}	5.1×10^{-1}
00-10	3.5×10^{0}	4.8×10^{0}	2.5×10^{0}	2.7×10^{0}	6.0×10^{-1}	1.1×10^{0}	3.3×10^{-1}	5.4×10^{-1}
00-15	3.2×10^{0}	4.2×10^{0}	2.6×10^{0}	2.8×10^{0}	8.1×10^{-1}	1.1×10^{0}	4.1×10^{-1}	6.7×10^{-1}
00-25	2.6×10^{0}	3.2×10^{0}	2.8×10^{0}	2.7×10^{0}	8.0×10^{-1}	9.8×10^{-1}	4.3×10^{-1}	6.2×10^{-1}
00-40	2.1×10^{0}	2.3×10^{0}	2.2×10^{0}	2.6×10^{0}	7.8×10^{-1}	8.1×10^{-1}	3.6×10^{-1}	4.0×10^{-1}
00-60	1.4×10^{0}	1.8×10^{0}	7.3×10^{-1}	8.1×10^{-1}	2.2×10^{-1}	3.8×10^{-1}	2.5×10^{-1}	3.1×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 22. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section E4 on Eneu Island (B-12).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	4.2×10^{0}	7.0×10^{0}	8.2×10^{-1}	9.0×10^{-1}	2.3×10^{-1}	3.5×10^{-1}	2.3×10^{-1}	2.9×10^{-1}
05-10	1.7×10^{0}	3.5×10^{0}	7.0×10^{-1}	8.3×10^{-1}	3.2×10^{-1}	3.8×10^{-1}	2.2×10^{-1}	4.0×10^{-1}
10-15	1.2×10^{0}	2.4×10^{0}	9.0×10^{-1}	8.5×10^{-1}	3.0×10^{-1}	4.0×10^{-1}	2.6×10^{-1}	3.6×10^{-1}
15-25	1.1×10^{0}	1.9×10^{0}	6.0×10^{-1}	8.8×10^{-1}	3.4×10^{-1}	3.1×10^{-1}	3.8×10^{-1}	5.2×10^{-1}
25-40	6.9×10^{-1}	9.0×10^{-1}	7.4×10^{-1}	1.1×10^{0}	1.8×10^{-1}	3.6×10^{-1}	3.6×10^{-1}	5.6×10^{-1}
40-60	3.6×10^{-1}	5.6×10^{-1}	3.0×10^{-1}	2.8×10^{-1}	1.5×10^{-2}	5.8×10^{-2}	7.1×10^{-2}	2.4×10^{-1}
00-05	4.2×10^{0}	7.0×10^{0}	8.2×10^{-1}	9.0×10^{-1}	2.3×10^{-1}	3.5×10^{-1}	2.3×10^{-1}	2.9×10^{-1}
00-10	3.4×10^{0}	5.2×10^{0}	8.3×10^{-1}	8.6×10^{-1}	3.2×10^{-1}	3.7×10^{-1}	2.5×10^{-1}	3.8×10^{-1}
00-15	2.5×10^{0}	4.3×10^{0}	9.6×10^{-1}	8.6×10^{-1}	3.5×10^{-1}	3.8×10^{-1}	2.4×10^{-1}	3.8×10^{-1}
00-25	1.9×10^{0}	3.4×10^{0}	7.2×10^{-1}	8.7×10^{-1}	1.9×10^{-1}	3.1×10^{-1}	2.7×10^{-1}	4.5×10^{-1}
00-40	1.5×10^{0}	2.5×10^{0}	7.7×10^{-1}	9.5×10^{-1}	2.9×10^{-1}	3.7×10^{-1}	4.2×10^{-1}	5.5×10^{-1}
00-60	1.4×10^{0}	2.0×10^{0}	5.8×10^{-1}	6.1×10^{-1}	2.3×10^{-1}	2.1×10^{-1}	3.6×10^{-1}	4.8×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 23. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section E5 on Eneu Island (B-12).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	4.2×10^{0}	5.3×10^{0}	2.1×10^{0}	4.5×10^{0}	6.1×10^{-1}	1.1×10^{0}	5.3×10^{-1}	8.5×10^{-1}
05-10	2.9×10^{0}	4.1×10^{0}	2.0×10^{0}	4.7×10^{0}	5.5×10^{-1}	1.3×10^{0}	5.1×10^{-1}	8.1×10^{-1}
10-15	1.7×10^{0}	2.6×10^{0}	2.3×10^{0}	3.9×10^{0}	4.6×10^{-1}	6.7×10^{-1}	2.4×10^{-1}	6.1×10^{-1}
15-25	6.3×10^{-1}	1.3×10^{0}	1.7×10^{0}	3.5×10^{0}	8.0×10^{-2}	4.9×10^{-1}	3.1×10^{-1}	4.5×10^{-1}
25-40	2.6×10^{-1}	8.5×10^{-1}	9.3×10^{-1}	3.2×10^{0}	2.3×10^{-2}	4.6×10^{-1}	4.1×10^{-2}	4.0×10^{-1}
40-60	1.1×10^{-1}	7.6×10^{-1}	2.0×10^{0}	4.4×10^{0}	8.8×10^{-1}	9.1×10^{-1}	8.1×10^{-2}	2.6×10^{-1}
00-05	4.2×10^{0}	5.3×10^{0}	2.1×10^{0}	4.5×10^{0}	6.1×10^{-1}	1.1×10^{0}	5.3×10^{-1}	8.5×10^{-1}
00-10	3.5×10^{0}	4.7×10^{0}	2.0×10^{0}	4.6×10^{0}	5.6×10^{-1}	1.2×10^{0}	5.4×10^{-1}	8.9×10^{-1}
00-15	2.8×10^{0}	4.0×10^{0}	1.9×10^{0}	4.4×10^{0}	4.6×10^{-1}	1.0×10^{0}	5.8×10^{-1}	8.6×10^{-1}
00-25	2.3×10^{0}	3.0×10^{0}	1.7×10^{0}	4.0×10^{0}	4.3×10^{-1}	8.0×10^{-1}	3.3×10^{-1}	7.1×10^{-1}
00-40	1.6×10^{0}	2.3×10^{0}	1.8×10^{0}	3.7×10^{0}	3.7×10^{-1}	6.7×10^{-1}	2.2×10^{-1}	6.0×10^{-1}
00-60	1.1×10^{0}	1.8×10^{0}	2.1×10^{0}	5.8×10^{0}	5.5×10^{-1}	1.1×10^{0}	2.7×10^{-1}	5.4×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 24. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken in section E6 on Eneu Island (B-12).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	5.7×10^{0}	6.3×10^{0}	8.1×10^{0}	7.8×10^{0}	2.2×10^{0}	1.9×10^{0}	7.1×10^{-1}	9.8×10^{-1}
05-10	3.6×10^{0}	4.8×10^{0}	6.7×10^{0}	6.9×10^{0}	2.1×10^{0}	2.1×10^{0}	7.0×10^{-1}	9.5×10^{-1}
10-15	3.0×10^{0}	4.1×10^{0}	8.1×10^{0}	9.5×10^{0}	1.5×10^{0}	1.9×10^{0}	7.5×10^{-1}	1.0×10^{0}
15-25	1.3×10^{0}	3.1×10^{0}	5.0×10^{0}	8.0×10^{0}	1.1×10^{0}	1.8×10^{0}	7.0×10^{-1}	1.1×10^{0}
25-40	8.4×10^{-1}	2.8×10^{0}	6.8×10^{0}	1.0×10^{1}	1.5×10^{0}	2.5×10^{0}	8.7×10^{-1}	1.3×10^{0}
40-60	3.7×10^{-1}	1.8×10^{0}	3.3×10^{0}	1.3×10^{1}	6.9×10^{-1}	2.3×10^{0}	7.0×10^{-2}	5.0×10^{-1}
00-05	5.7×10^{0}	6.3×10^{0}	8.1×10^{0}	7.8×10^{0}	2.2×10^{0}	1.9×10^{0}	7.1×10^{-1}	9.8×10^{-1}
00-10	4.4×10^{0}	5.6×10^{0}	7.4×10^{0}	7.3×10^{0}	2.2×10^{0}	2.0×10^{0}	7.1×10^{-1}	1.0×10^{0}
00-15	4.0×10^{0}	5.1×10^{0}	7.8×10^{0}	8.0×10^{0}	2.0×10^{0}	2.0×10^{0}	9.3×10^{-1}	1.1×10^{0}
00-25	3.5×10^{0}	4.3×10^{0}	6.7×10^{0}	8.0×10^{0}	1.3×10^{0}	1.9×10^{0}	8.5×10^{-1}	1.2×10^{0}
00-40	2.5×10^{0}	3.7×10^{0}	6.8×10^{0}	8.9×10^{0}	1.8×10^{0}	2.1×10^{0}	7.9×10^{-1}	1.3×10^{0}
00-60	1.9×10^{0}	3.1×10^{0}	4.5×10^{0}	1.1×10^{1}	9.1×10^{-1}	2.3×10^{0}	7.2×10^{-1}	1.1×10^{0}

NOTE: Specific activity is decay corrected to 1987.

Table 25. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Aerokojlol Island (B-13).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	1.5×10^{-1}	1.6×10^{-1}	5.1×10^{-1}	6.0×10^{-1}	8.9×10^{-1}	1.4×10^{0}	3.0×10^{-1}	3.2×10^{-1}
05-10	5.2×10^{-2}	9.9×10^{-2}	4.5×10^{-1}	6.9×10^{-1}	8.1×10^{-1}	8.5×10^{-1}	3.3×10^{-1}	3.4×10^{-1}
10-15	4.3×10^{-2}	6.6×10^{-2}	3.1×10^{-1}	6.9×10^{-1}	8.2×10^{-1}	8.8×10^{-1}	2.6×10^{-1}	2.9×10^{-1}
15-25	1.9×10^{-2}	4.2×10^{-2}	2.3×10^{-1}	3.0×10^{-1}	3.6×10^{-1}	4.7×10^{-1}	1.1×10^{-1}	1.7×10^{-1}
25-40	1.8×10^{-2}	3.8×10^{-2}	1.9×10^{-1}	3.2×10^{-1}	2.7×10^{-1}	4.1×10^{-1}	1.4×10^{-1}	1.9×10^{-1}
40-60	8.3×10^{-3}	7.3×10^{-3}	1.5×10^{-1}	2.2×10^{-1}	2.8×10^{-1}	3.6×10^{-1}	9.3×10^{-2}	1.4×10^{-1}
00-05	1.5×10^{-1}	1.6×10^{-1}	5.1×10^{-1}	6.0×10^{-1}	8.9×10^{-1}	1.4×10^{0}	3.0×10^{-1}	3.2×10^{-1}
00-10	1.0×10^{-1}	1.3×10^{-1}	5.1×10^{-1}	6.4×10^{-1}	9.0×10^{-1}	1.1×10^{0}	3.0×10^{-1}	3.3×10^{-1}
00-15	8.1×10^{-2}	1.1×10^{-1}	4.0×10^{-1}	6.6×10^{-1}	8.7×10^{-1}	1.0×10^{0}	3.3×10^{-1}	3.2×10^{-1}
00-25	5.7×10^{-2}	7.8×10^{-2}	3.6×10^{-1}	5.1×10^{-1}	6.2×10^{-1}	8.0×10^{-1}	2.3×10^{-1}	2.6×10^{-1}
00-40	4.0×10^{-2}	5.7×10^{-2}	2.9×10^{-1}	4.5×10^{-1}	5.5×10^{-1}	6.9×10^{-1}	2.4×10^{-1}	2.4×10^{-1}
00-60	2.2×10^{-2}	2.2×10^{-2}	2.2×10^{-1}	2.3×10^{-1}	5.0×10^{-1}	5.1×10^{-1}	1.9×10^{-1}	1.7×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 26. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Lele Island (B-15).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	2.4×10^{-1}	3.9×10^{-1}	6.7×10^{-1}	2.2×10^{0}	8.6×10^{-1}	1.2×10^{0}	1.8×10^{-1}	2.2×10^{-1}
05-10	1.1×10^{-1}	1.6×10^{-1}	6.6×10^{-1}	1.2×10^{0}	7.9×10^{-1}	8.5×10^{-1}	1.2×10^{-1}	1.8×10^{-1}
10-15	9.5×10^{-2}	1.3×10^{-1}	7.1×10^{-1}	7.7×10^{-1}	5.6×10^{-1}	5.5×10^{-1}	1.3×10^{-1}	1.3×10^{-1}
15-25	1.5×10^{-1}	1.3×10^{-1}	7.0×10^{-1}	6.2×10^{-1}	3.1×10^{-1}	4.1×10^{-1}	5.1×10^{-2}	1.0×10^{-1}
25-40	1.0×10^{-1}	1.1×10^{-1}	6.8×10^{-1}	5.8×10^{-1}	2.3×10^{-1}	2.7×10^{-1}	2.7×10^{-2}	6.2×10^{-2}
40-60	1.5×10^{-1}	1.5×10^{-1}	3.6×10^{-1}	3.6×10^{-1}	7.8×10^{-2}	7.8×10^{-2}	1.0×10^{-2}	1.0×10^{-2}
00-05	2.4×10^{-1}	3.9×10^{-1}	6.7×10^{-1}	2.2×10^{0}	8.6×10^{-1}	1.2×10^{0}	1.8×10^{-1}	2.2×10^{-1}
00-10	1.8×10^{-1}	2.8×10^{-1}	6.7×10^{-1}	1.7×10^{0}	7.9×10^{-1}	1.0×10^{0}	1.5×10^{-1}	2.0×10^{-1}
00-15	1.5×10^{-1}	2.3×10^{-1}	6.6×10^{-1}	1.4×10^{0}	7.1×10^{-1}	8.8×10^{-1}	1.4×10^{-1}	1.7×10^{-1}
00-25	1.8×10^{-1}	2.2×10^{-1}	6.9×10^{-1}	1.1×10^{0}	6.3×10^{-1}	6.9×10^{-1}	1.5×10^{-1}	1.4×10^{-1}
00-40	1.6×10^{-1}	1.8×10^{-1}	6.9×10^{-1}	8.9×10^{-1}	5.5×10^{-1}	5.3×10^{-1}	1.0×10^{-1}	1.1×10^{-1}
00-60	2.1×10^{-1}	2.1×10^{-1}	8.5×10^{-1}	8.5×10^{-1}	3.7×10^{-1}	3.7×10^{-1}	6.4×10^{-2}	6.4×10^{-2}

NOTE: Specific activity is decay corrected to 1987.

Table 27. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Eneman Island (B-16).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	2.7×10^{0}	2.6×10^{0}	9.5×10^{0}	1.4×10^{1}	3.3×10^{0}	3.3×10^{0}	5.3×10^{-1}	1.5×10^{0}
05-10	2.4×10^{0}	2.2×10^{0}	9.9×10^{0}	1.1×10^{1}	2.0×10^{0}	3.2×10^{0}	5.4×10^{-1}	8.1×10^{-1}
10-15	1.8×10^{0}	2.1×10^{0}	9.9×10^{0}	1.3×10^{1}	2.1×10^{0}	2.8×10^{0}	4.4×10^{-1}	6.1×10^{-1}
15-25	1.9×10^{0}	1.8×10^{0}	8.7×10^{0}	1.2×10^{1}	2.0×10^{0}	2.9×10^{0}	4.4×10^{-1}	4.3×10^{-1}
25-40	1.6×10^{0}	1.6×10^{0}	1.0×10^{1}	1.3×10^{1}	2.0×10^{0}	2.8×10^{0}	3.8×10^{-1}	4.2×10^{-1}
40-60	1.5×10^{0}	1.4×10^{0}	7.9×10^{0}	8.3×10^{0}	1.8×10^{0}	2.5×10^{0}	3.6×10^{-1}	3.1×10^{-1}
00-05	2.7×10^{0}	2.6×10^{0}	9.5×10^{0}	1.4×10^{1}	3.3×10^{0}	3.3×10^{0}	5.3×10^{-1}	1.5×10^{0}
00-10	2.7×10^{0}	2.4×10^{0}	9.7×10^{0}	1.2×10^{1}	2.7×10^{0}	3.3×10^{0}	5.4×10^{-1}	1.1×10^{0}
00-15	2.5×10^{0}	2.3×10^{0}	9.7×10^{0}	1.3×10^{1}	2.5×10^{0}	3.1×10^{0}	5.2×10^{-1}	9.7×10^{-1}
00-25	2.3×10^{0}	2.1×10^{0}	9.3×10^{0}	1.2×10^{1}	2.3×10^{0}	3.0×10^{0}	5.1×10^{-1}	7.5×10^{-1}
00-40	2.0×10^{0}	1.9×10^{0}	9.7×10^{0}	1.2×10^{1}	2.2×10^{0}	3.0×10^{0}	5.0×10^{-1}	6.3×10^{-1}
00-60	1.8×10^{0}	1.7×10^{0}	9.1×10^{0}	1.1×10^{1}	2.1×10^{0}	2.8×10^{0}	4.3×10^{-1}	5.2×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 28. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Enidrik Island (B-17).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	1.3×10^{0}	4.4×10^{0}	3.7×10^{0}	9.0×10^{0}	2.1×10^{0}	1.1×10^{1}	4.0×10^{-1}	1.2×10^{0}
05-10	8.5×10^{-1}	2.2×10^{0}	3.1×10^{0}	6.4×10^{0}	1.4×10^{0}	4.2×10^{0}	2.4×10^{-1}	5.0×10^{-1}
10-15	6.2×10^{-1}	1.5×10^{0}	2.5×10^{0}	8.4×10^{0}	1.1×10^{0}	2.5×10^{0}	1.9×10^{-1}	3.8×10^{-1}
15-25	2.9×10^{-1}	1.1×10^{0}	2.2×10^{0}	4.7×10^{0}	7.9×10^{-1}	1.4×10^{0}	1.5×10^{-1}	2.8×10^{-1}
25-40	2.4×10^{-1}	7.3×10^{-1}	1.9×10^{0}	5.0×10^{0}	5.0×10^{-1}	1.3×10^{0}	6.6×10^{-2}	1.6×10^{-1}
40-60	1.7×10^{-1}	2.5×10^{-1}	1.5×10^{0}	2.0×10^{0}	1.8×10^{-1}	4.5×10^{-1}	5.3×10^{-2}	1.2×10^{-1}
00-05	1.3×10^{0}	4.4×10^{0}	3.7×10^{0}	9.0×10^{0}	2.1×10^{0}	1.1×10^{1}	4.0×10^{-1}	1.2×10^{0}
00-10	1.4×10^{0}	3.4×10^{0}	3.5×10^{0}	7.8×10^{0}	1.6×10^{0}	7.2×10^{0}	2.9×10^{-1}	8.1×10^{-1}
00-15	9.8×10^{-1}	2.7×10^{0}	3.3×10^{0}	8.0×10^{0}	1.4×10^{0}	5.4×10^{0}	2.5×10^{-1}	6.4×10^{-1}
00-25	7.8×10^{-1}	2.1×10^{0}	2.9×10^{0}	6.7×10^{0}	1.2×10^{0}	3.8×10^{0}	2.3×10^{-1}	4.9×10^{-1}
00-40	6.6×10^{-1}	1.6×10^{0}	2.8×10^{0}	6.2×10^{0}	1.2×10^{0}	3.0×10^{0}	2.4×10^{-1}	3.7×10^{-1}
00-60	5.9×10^{-1}	1.1×10^{0}	2.1×10^{0}	4.2×10^{0}	1.1×10^{0}	2.1×10^{0}	2.2×10^{-1}	2.8×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 29. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Lukoj Island (B-18).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	3.4×10^{1}	3.4×10^{1}	5.5×10^{1}	7.1×10^{1}	1.4×10^{1}	2.0×10^{1}	2.0×10^{0}	4.2×10^{0}
05-10	5.1×10^{0}	1.6×10^{1}	2.1×10^{1}	2.4×10^{1}	3.3×10^{0}	3.0×10^{0}	6.2×10^{-1}	6.1×10^{-1}
10-15	6.6×10^{0}	8.4×10^{0}	1.6×10^{1}	1.6×10^{1}	1.7×10^{0}	1.9×10^{0}	3.5×10^{-1}	2.7×10^{-1}
15-25	9.2×10^{0}	7.7×10^{0}	1.5×10^{1}	1.4×10^{1}	3.0×10^{-1}	1.3×10^{0}	7.6×10^{-2}	2.1×10^{-1}
25-40	1.3×10^{0}	1.5×10^{0}	1.3×10^{1}	1.1×10^{1}	8.0×10^{-2}	4.4×10^{-1}	4.7×10^{-2}	4.7×10^{-2}
40-60	7.8×10^{-1}	7.8×10^{-1}	1.0×10^{1}	1.0×10^{1}	1.9×10^{-2}	1.9×10^{-2}	1.6×10^{-2}	1.6×10^{-2}
00-05	3.4×10^{1}	3.4×10^{1}	5.5×10^{1}	7.1×10^{1}	1.4×10^{1}	2.0×10^{1}	2.0×10^{0}	4.2×10^{0}
00-10	2.0×10^{1}	2.5×10^{1}	3.8×10^{1}	4.8×10^{1}	7.8×10^{0}	1.2×10^{1}	1.2×10^{0}	2.4×10^{0}
00-15	1.4×10^{1}	1.9×10^{1}	3.0×10^{1}	3.7×10^{1}	5.5×10^{0}	8.4×10^{0}	8.1×10^{-1}	1.7×10^{0}
00-25	1.2×10^{1}	1.5×10^{1}	2.4×10^{1}	2.8×10^{1}	3.4×10^{0}	5.6×10^{0}	5.0×10^{-1}	1.1×10^{0}
00-40	8.6×10^{0}	9.7×10^{0}	2.0×10^{1}	2.2×10^{1}	2.2×10^{0}	3.7×10^{0}	3.3×10^{-1}	7.1×10^{-1}
00-60	7.1×10^{0}	7.1×10^{0}	1.8×10^{1}	1.8×10^{1}	1.2×10^{0}	1.2×10^{0}	2.1×10^{-1}	2.1×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

Table 30. Average ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am soil concentrations in pCi/g dry weight for soil profiles taken on Jelete Island (B-19).

Soil depth (cm)	^{137}Cs		^{90}Sr		$^{239+240}Pu$		^{241}Am	
	Median	Mean	Median	Mean	Median	Mean	Median	Mean
00-05	5.1×10^{1}	5.1×10^{1}	1.1×10^{2}	1.1×10^{2}	1.3×10^{1}	1.3×10^{1}	3.6×10^{0}	3.6×10^{0}
05-10	2.6×10^{1}	2.6×10^{1}	5.1×10^{1}	5.1×10^{1}	1.2×10^{1}	1.2×10^{1}	1.2×10^{0}	1.2×10^{0}
10-15	1.2×10^{1}	1.2×10^{1}	2.4×10^{1}	2.4×10^{1}	3.2×10^{0}	3.2×10^{0}	6.2×10^{-1}	6.2×10^{-1}
15-25	7.0×10^{0}	7.0×10^{0}	2.0×10^{1}	2.0×10^{1}	1.3×10^{0}	1.3×10^{0}	8.4×10^{-2}	8.4×10^{-2}
25-40	3.4×10^{1}	3.4×10^{1}	8.2×10^{0}	8.2×10^{0}	7.2×10^{-1}	7.2×10^{-1}	4.9×10^{-2}	4.9×10^{-2}
40-60	1.3×10^{1}	1.3×10^{1}	6.9×10^{0}	6.9×10^{0}	2.0×10^{-1}	2.0×10^{-1}	3.7×10^{-2}	3.7×10^{-2}
00-05	5.1×10^{1}	5.1×10^{1}	1.1×10^{2}	1.1×10^{2}	1.3×10^{1}	1.3×10^{1}	3.6×10^{0}	3.6×10^{0}
00-10	3.9×10^{1}	3.9×10^{1}	8.1×10^{1}	8.1×10^{1}	1.2×10^{1}	1.2×10^{1}	2.4×10^{0}	2.4×10^{0}
00-15	3.0×10^{1}	3.0×10^{1}	6.2×10^{1}	6.2×10^{1}	9.3×10^{0}	9.3×10^{0}	1.8×10^{0}	1.8×10^{0}
00-25	2.1×10^{1}	2.1×10^{1}	4.5×10^{1}	4.5×10^{1}	6.1×10^{0}	6.1×10^{0}	1.1×10^{0}	1.1×10^{0}
00-40	2.6×10^{1}	2.6×10^{1}	3.1×10^{1}	3.1×10^{1}	4.1×10^{0}	4.1×10^{0}	7.1×10^{-1}	7.1×10^{-1}
00-60	2.1×10^{1}	2.1×10^{1}	2.3×10^{1}	2.3×10^{1}	2.8×10^{0}	2.8×10^{0}	4.9×10^{-1}	4.9×10^{-1}

NOTE: Specific activity is decay corrected to 1987.

radionuclide concentration from the surface to each soil depth. This tabular listing of the data shows the decline in activity as a function of depth in the soil column. The ratio between radionuclides is not the same for all islands; this reflects the difference in device design, and consequently the mix of radionuclides in tests conducted around the atoll at or near the various islands. More data for the radionuclide concentrations in the soil profiles are given in Appendix C (Tables C-1 to C-104); included are the mean and median of all profile increments on each island as given in Tables 5 to 30, the maximum and minimum values, the standard deviation, the mean of the logarithms, and the standard deviation of the logarithms for each of the profile increments for all the profiles collected on each island. In addition, the same types of data are listed for each of the six regions on Bikini and Eneu Islands that are used to calculate the distributed mean. The radionuclide concentration data for each individual soil profile on each island are given in Appendix D (Tables D-1 to D-56).

The median, mean, and distributed-mean concentration with depth in the soil column for all soil profiles for ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am is shown graphically in Figs. 11 to 16 for Bikini and Eneu Islands. The decline in activity with depth is generally exponential at Bikini Island, although the ^{90}Sr activity declines less rapidly with depth than do the other three nuclides. The ^{137}Cs on Eneu Island also declines exponentially; however, the ^{90}Sr, $^{239+240}Pu$, and ^{241}Am appear to be more constant to a depth of about 40 cm. The activity levels decline more rapidly between 40 and 60 cm, but are so low at 60 cm that a great deal of uncertainty is introduced, especially when only a few samples are available.

The distribution of ^{90}Sr, $^{239+240}Pu$, and ^{241}Am on Eneu Island indicates that the surface soil may have been mixed to a depth of about 40 cm at some point in its past history. The island was the main residence island during the test program. Many tent camps, clubs, pads, storage sites, and other facilities were constructed on the island and could have produced conditions leading to such results.

RADIONUCLIDES IN VEGETATION

In Table 31 are listed the average concentrations of ^{137}Cs, ^{90}Sr, $^{230+240}Pu$, and ^{241}Am in vegetation samples collected at Bikini Atoll.

5000340

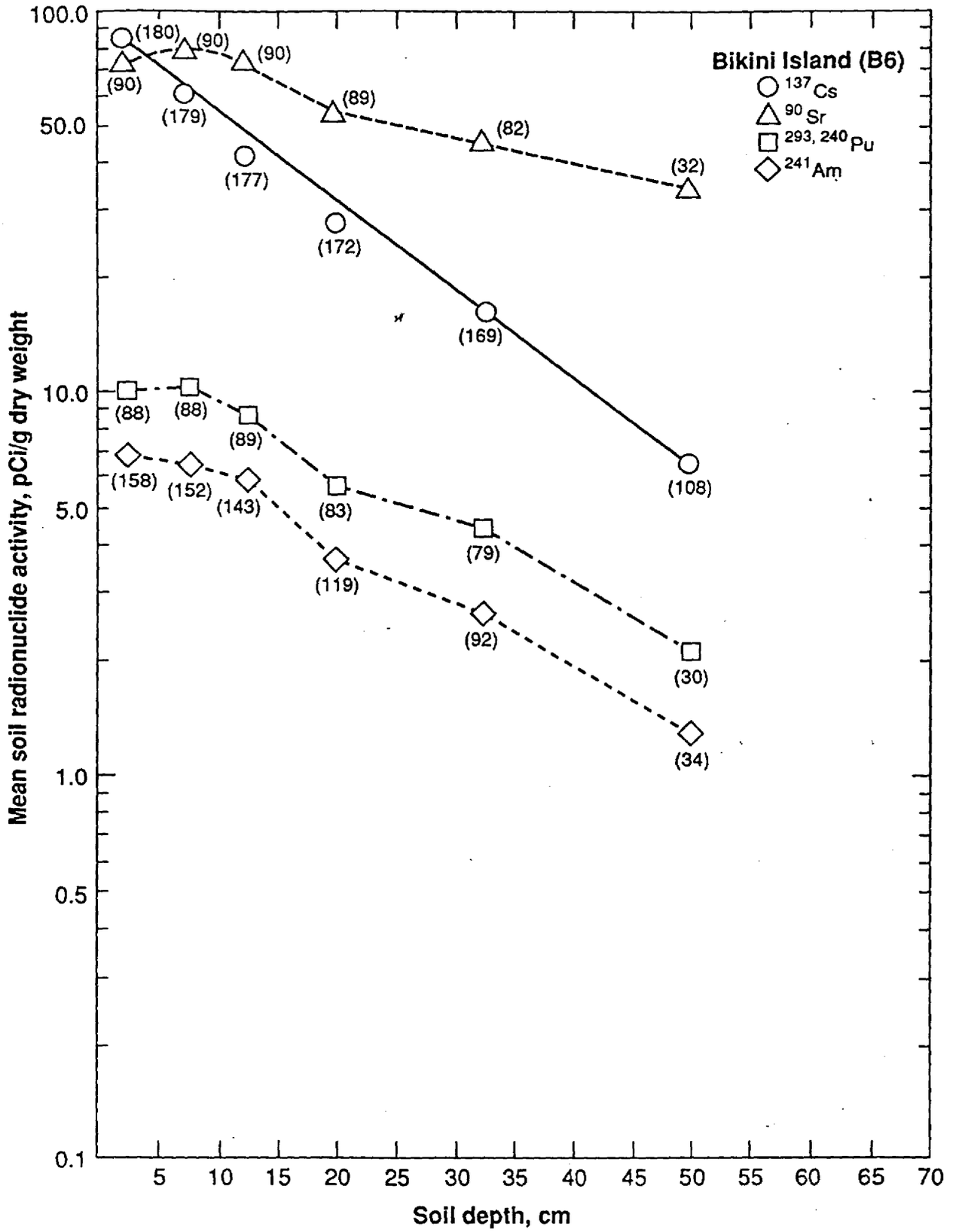

Figure 11. The mean value of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am as a function of depth in the soil column at Bikini Island.

5000341

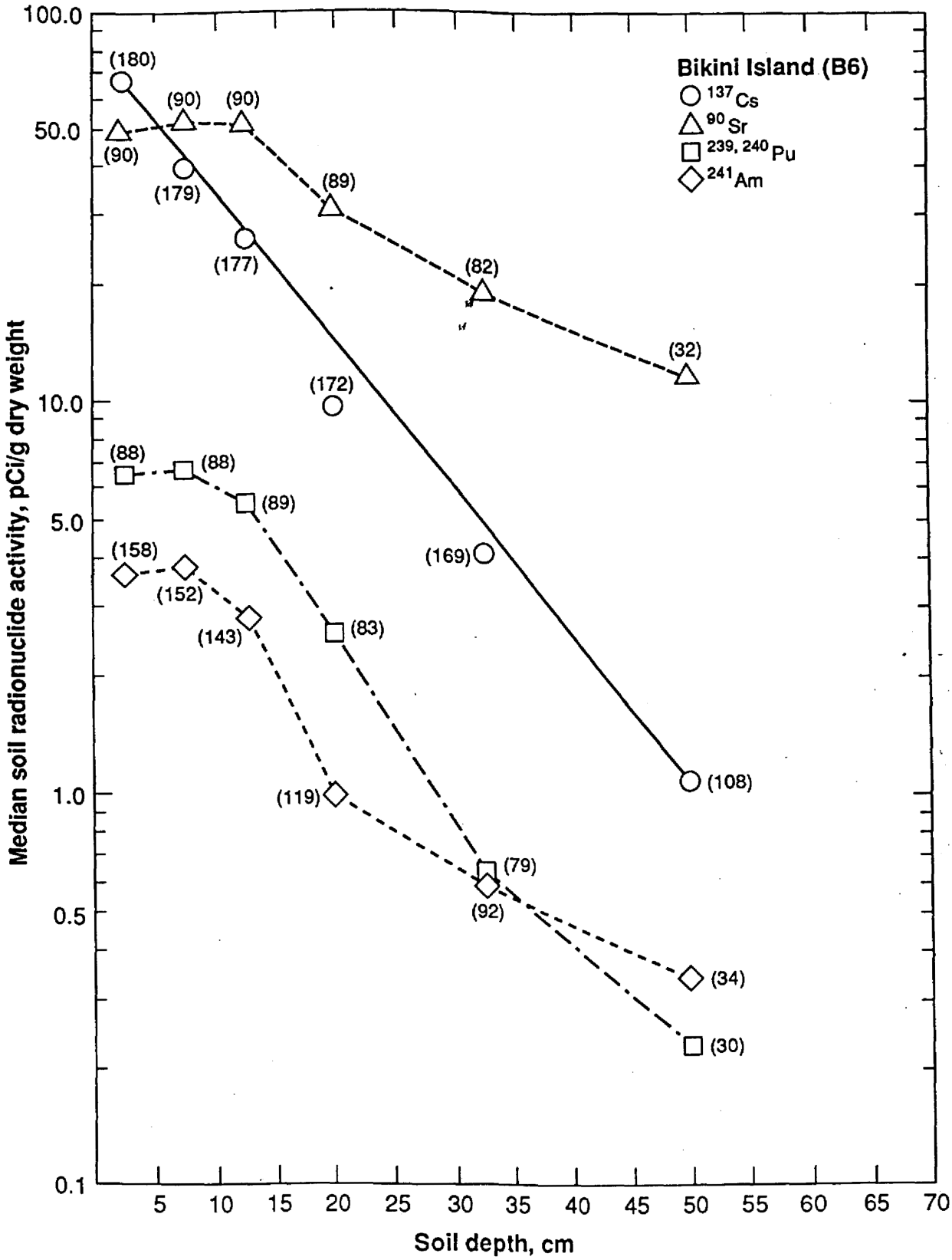

Figure 12. The median value of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am as a function of depth in the soil column at Bikini Island.

5000342

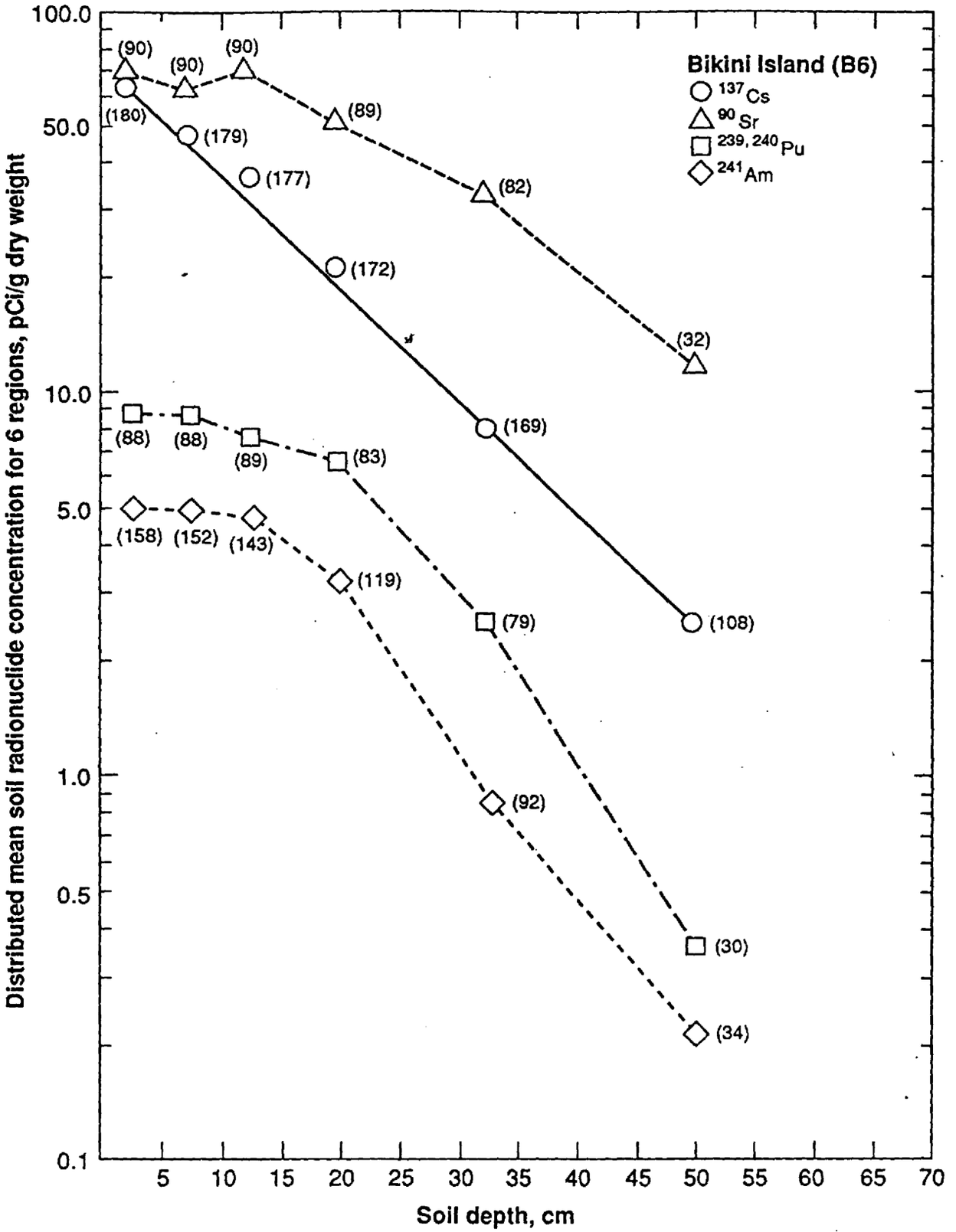

Figure 13. The distributed mean of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am as a function of depth in the soil column at Bikini Island.

5000343

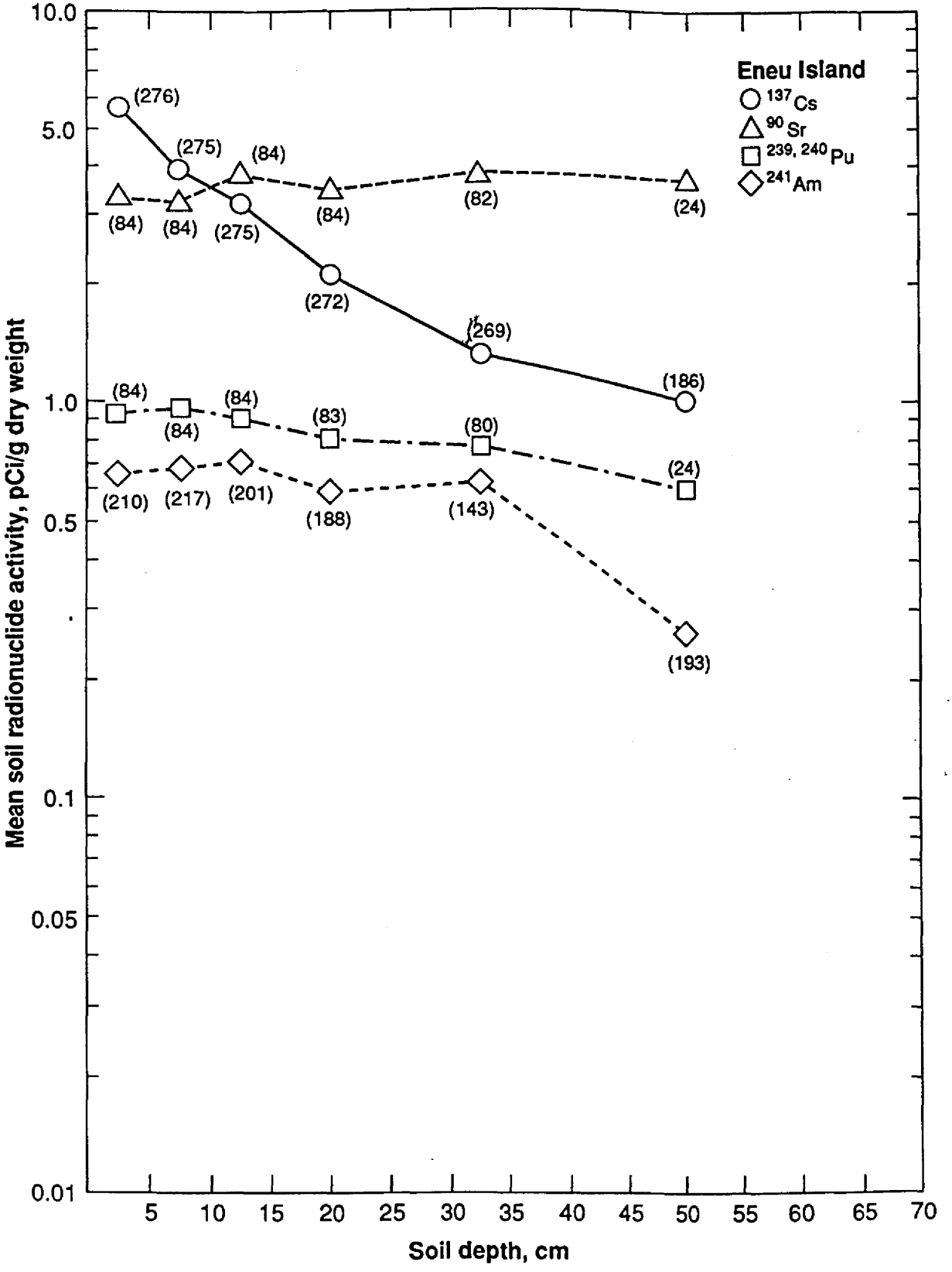

Figure 14. The mean value of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am as a function of depth in the soil column at Eneu Island.

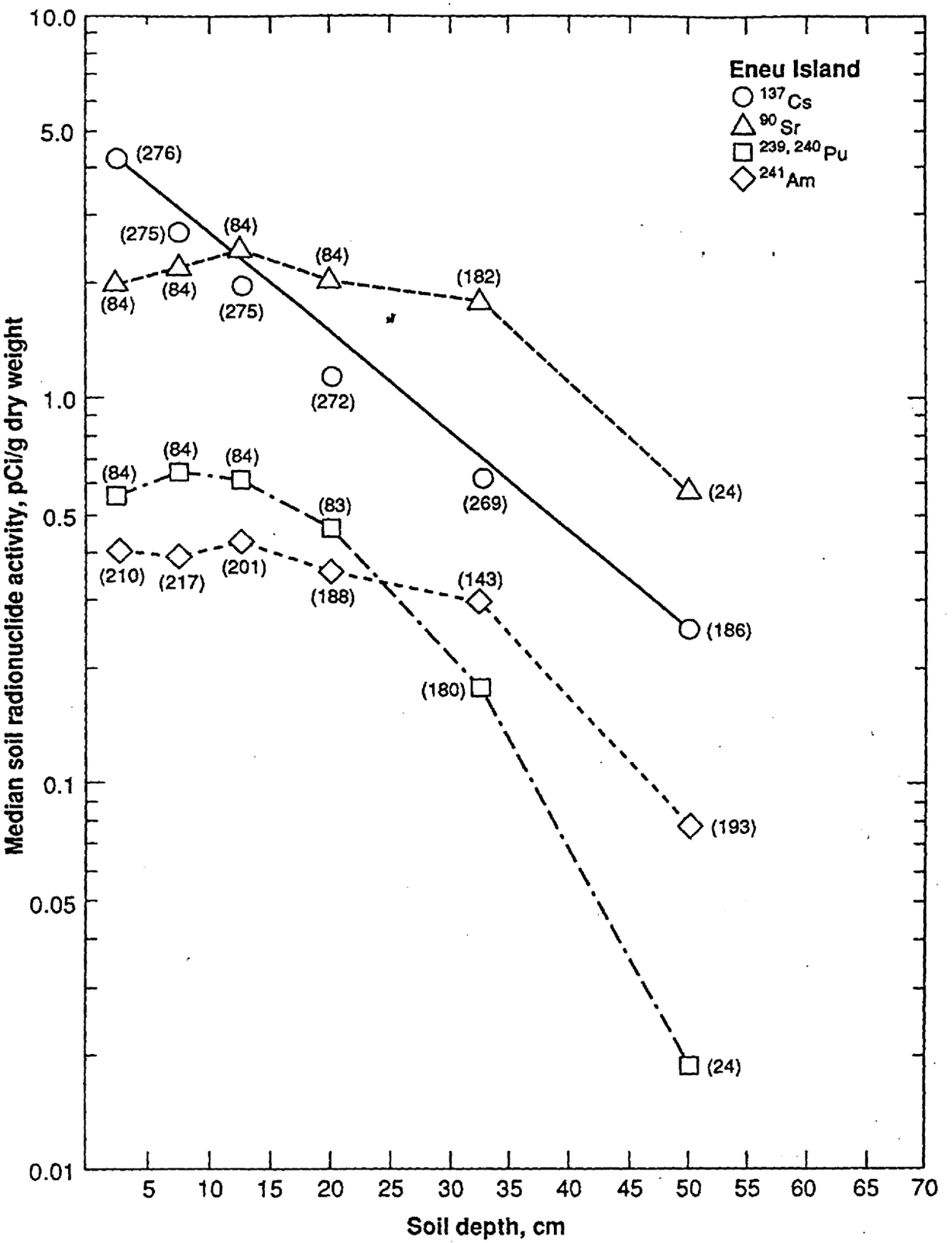

Figure 15. The median value of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am as a function of depth in the soil column at Eneu Island.

5000345

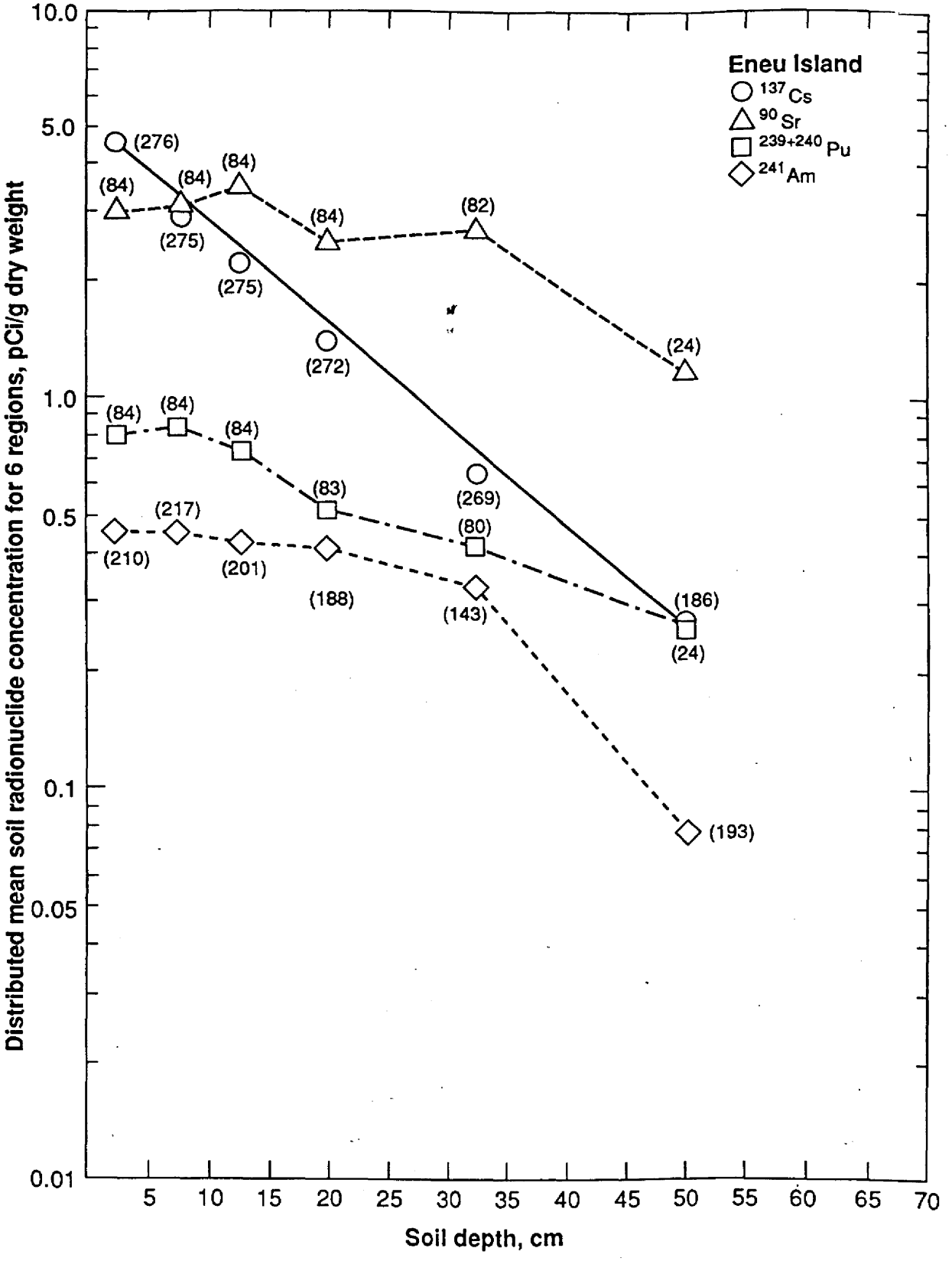

Figure 16. The distributed mean value of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am as a function of depth in the soil column at Eneu Island.

000346

500031

Table 31. Radionuclide concentrations in vegetation at Bikini Atoll decay corrected to January 1987.

Island	Type of vegetation	Mean (Median), pCi/g wet weight							
		N	^{137}Cs	N	^{90}Sr	N	$^{239+240}Pu$	N	^{241}Am
Bikini (B6)	Drinking coco meat	331	120 (110)	18	0.22 (0.18)	17	6.2×10^{-5} (3.4×10^{-5})	8	4.0×10^{-5} (3.4×10^{-5})
	Drinking coco fluid	304	44 (40)	--	-- --	--	-- --	--	-- --
	Copra meat	71	220 (210)	28	0.12 (0.091)	27	5.0×10^{-5} (2.1×10^{-5})	16	3.1×10^{-5} (1.8×10^{-5})
	Copra fluid	66	130 (120)	5	0.016 (0.017)	3	2.8×10^{-5} (1.6×10^{-5})	1	2.3×10^{-4} (2.3×10^{-4})
	Papaya meat	72	77 (37)	5	1.7 (1.6)	3	7.3×10^{-5} (1.7×10^{-5})	2	9.8×10^{-6} (9.8×10^{-6})
	Pandanus fruit	32	180 (140)	2	7.8 (7.8)	4	1.2×10^{-4} (9.1×10^{-5})	3	1.4×10^{-4} (1.5×10^{-5})
	Pandanus juice	9	130 (110)	3	0.47 (0.51)	5	7.5×10^{-5} (5.2×10^{-5})	3	7.2×10^{-5} (7.6×10^{-5})
	Breadfruit	28	16 (14)	9	2.5 (1.8)	11	4.8×10^{-5} (2.6×10^{-5})	5	3.7×10^{-5} (7.7×10^{-6})
	Banana	12	6.8 (7.0)	--	-- --	--	-- --	--	-- --
	Squash	33	41 (24)	--	-- --	--	-- --	--	-- --
Eneu (B12)	Drinking coco meat	381	10 (6.4)	61	0.020 (0.013)	41	3.2×10^{-5} (1.3×10^{-5})	42	1.8×10^{-5} (1.1×10^{-5})
	Drinking coco fluid	340	4.8 (2.8)	13	0.0036 (0.0024)	7	1.8×10^{-5} (1.4×10^{-5})	2	7.2×10^{-6} (7.2×10^{-6})
	Copra meat	180	28 (19)	55	0.034 (0.018)	43	4.6×10^{-5} (2.8×10^{-5})	28	4.6×10^{-5} (2.9×10^{-5})
	Copra fluid	173	15 (11)	33	0.0043 (0.0027)	20	1.7×10^{-5} (1.1×10^{-5})	19	2.7×10^{-5} (1.4×10^{-5})
	Papaya meat	39	13 (9.8)	7	0.13 (0.069)	4	9.4×10^{-6} (9.2×10^{-6})	7	5.3×10^{-5} (5.5×10^{-6})
	Pandanus fruit	22	11 (8.8)	--	-- --	--	-- --	--	-- --
	Pandanus juice	1	10 (10)	--	-- --	--	-- --	--	-- --
	Breadfruit	23	3.5 (2.5)	4	0.79 (0.25)	3	1.4×10^{-5} (1.4×10^{-5})	4	1.8×10^{-5} (2.2×10^{-5})
	Banana	4	0.71 (0.76)	--	-- --	--	-- --	--	-- --
	Squash	12	6.9 (5.3)	6	0.052 (0.042)	5	8.8×10^{-6} (7.6×10^{-6})		
	Watermelon	17	2.1 (1.8)	8	0.025 (0.022)	8	1.3×10^{-5} (1.5×10^{-5})	7	4.2×10^{-6} (3.4×10^{-6})
	Sweet Potato	4	5.0 (4.1)	1	0.13 (0.13)	1	1.5×10^{-4} (1.5×10^{-4})	1	1.2×10^{-4} (1.2×10^{-4})
	Tacca	3	3.7 (2.4)	--	-- --	--	-- --	--	-- --
Jelete (B19)	Copra meat	1	15	1	0.17	1	9.7×10^{-5}	1	2.1×10^{-4}
	Copra fluid	1	3.5	1	0.083	1	2.4×10^{-5}	1	5.1×10^{-5}
Aerokojlol (B13)	Copra meat	2	0.19	2	0.046	2	3.4×10^{-4}	1	1.6×10^{-5}
	Copra fluid	2	0.032	2	0.00086	2	4.3×10^{-5}	1	9.3×10^{-6}

NOTE: Dash indicates no data available.

Sampling of food plants is limited almost entirely to Bikini and Eneu Islands. Only two coconut samples from Aerokojlol and one from Jelete were collected in 1978. Coconut and other food crops were unavailable elsewhere. More data, including the maximum and minimum observed values and various statistics, are listed in Appendix E.

The ^{137}Cs concentrations are much higher in vegetation than are ^{90}Sr, $^{239+240}Pu$, or ^{241}Am. The concentration of ^{90}Sr in coconut, breadfruit, papaya, and banana is fairly low; the concentration of transuranic radionuclides in vegetation is very low. The concentration ratios (C.R., defined as the radionuclide concentration in vegetation in pCi/g wet weight divided by the same radionuclide concentration in soil in pCi/g dry weight) are listed in Table 32 for ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am in coconut and *Pandanus*. Almost all plants at the Atoll have a C.R. for ^{137}Cs greater than 1, and most often in the range of 2 to 5, while the C.R. for ^{90}Sr in the edible portion of terrestrial food crops is of the order of 0.01. The exact opposite is observed in most soil systems in Europe and the United States. The result is that estimated doses from ^{90}Sr at these coral islands are very low even though the concentration of ^{90}Sr in the soil is nearly the same as that of ^{137}Cs. The C.R. for $^{239+240}Pu$ and ^{241}Am is about 10^{-4} to 10^{-5}; as a result of this very low uptake, these radionuclides contribute in only a very minor way to the radiological dose via the food chain.

The concentration of ^{137}Cs and the other radionuclides in plants is also lognormally distributed, as shown in Figs. 17 to 30; these types of data are necessary for estimating the final distribution in the estimated doses at the atoll.

RADIONUCLIDES IN LAND ANIMALS AND FOWL

The radionuclide concentrations in samples from pigs that were collected at Bikini and Eneu Islands are given in Table 33. Some pigs were roaming free around the islands for various lengths of time prior to sacrifice and some were penned. Those that were penned were fed more table scraps and did not eat as much local food, e.g., crabs, coconuts, and other local vegetation, as the free-roaming pigs; as a result, the ^{137}Cs concentration observed in muscle tissue in the penned pigs is less than that observed in the free-roaming

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Table 32. Concentration ratios[a] in vegetation at Bikini Atoll decay corrected to January 1987.

Island	Type of vegetation	Mean (median), pCi/g wet weight							
		N	^{137}Cs	N	^{90}Sr	N	$^{239+240}Pu$	N	^{241}Am
Bikini (B6)	Drinking coco meat	170	5.1 (2.5)	18	6.1×10^{-3} (4.5×10^{-3})	17	2.8×10^{-5} (7.2×10^{-6})	8	5.3×10^{-5} (1.4×10^{-5})
	Drinking coco fluid	163	2.0 (0.97)	--	-- --	--	-- --	--	-- --
	Copra meat	71	11 (4.3)	28	4.6×10^{-3} (3.1×10^{-3})	26	1.9×10^{-5} (6.0×10^{-6})	15	3.1×10^{-5} (8.2×10^{-6})
	Copra fluid	66	6.2 (3.3)	5	6.1×10^{-4} (4.1×10^{-4})	3	6.9×10^{-6} (7.7×10^{-6})	1	4.1×10^{-5} (4.1×10^{-5})
	Pandanus fruit	21	18 (11)	2	3.4×10^{-1} (3.4×10^{-1})	3	3.6×10^{-5} (1.2×10^{-5})	2	1.1×10^{-4} (1.1×10^{-4})
	Pandanus juice	7	12 (11)	3	2.2×10^{-2} (2.2×10^{-2})	5	1.5×10^{-5} (6.1×10^{-6})	3	3.7×10^{-5} (3.2×10^{-5})
Eneu (B12)	Drinking coco meat	343	4.9 (3.0)	46	8.3×10^{-3} (6.2×10^{-3})	31	1.0×10^{-4} (2.4×10^{-5})	30	8.7×10^{-5} (3.6×10^{-5})
	Drinking coco fluid	305	2.1 (1.3)	11	1.7×10^{-3} (6.9×10^{-4})	7	2.5×10^{-5} (2.0×10^{-5})	2	1.7×10^{-5} (1.7×10^{-5})
	Copra meat	145	11 (7.7)	46	1.3×10^{-2} (5.1×10^{-3})	38	1.6×10^{-4} (3.5×10^{-5})	23	1.3×10^{-4} (5.5×10^{-5})
	Copra fluid	139	5.6 (4.3)	26	9.1×10^{-4} (7.3×10^{-4})	16	4.2×10^{-5} (1.4×10^{-5})	16	8.7×10^{-5} (7.9×10^{-5})
Jelete (B19)	Copra meat	1	0.45	1	6.4×10^{-3}	1	1.6×10^{-5}	1	4.0×10^{-4}
	Copra fluid	1	0.11	1	3.1×10^{-3}	1	3.9×10^{-6}	1	9.9×10^{-5}
Aerokojlol (B13)	Copra meat	2	1.9	2	8.5×10^{-2}	2	8.8×10^{-4}	1	9.6×10^{-5}
	Copra fluid	2	0.36	2	1.4×10^{-3}	2	1.1×10^{-4}	1	6.0×10^{-5}

NOTE: Dash indicates no data available.

[a] A concentration ratio is calculated from pCi/g fruit wet weight versus 0-40 cm pCi/g soil dry weight.

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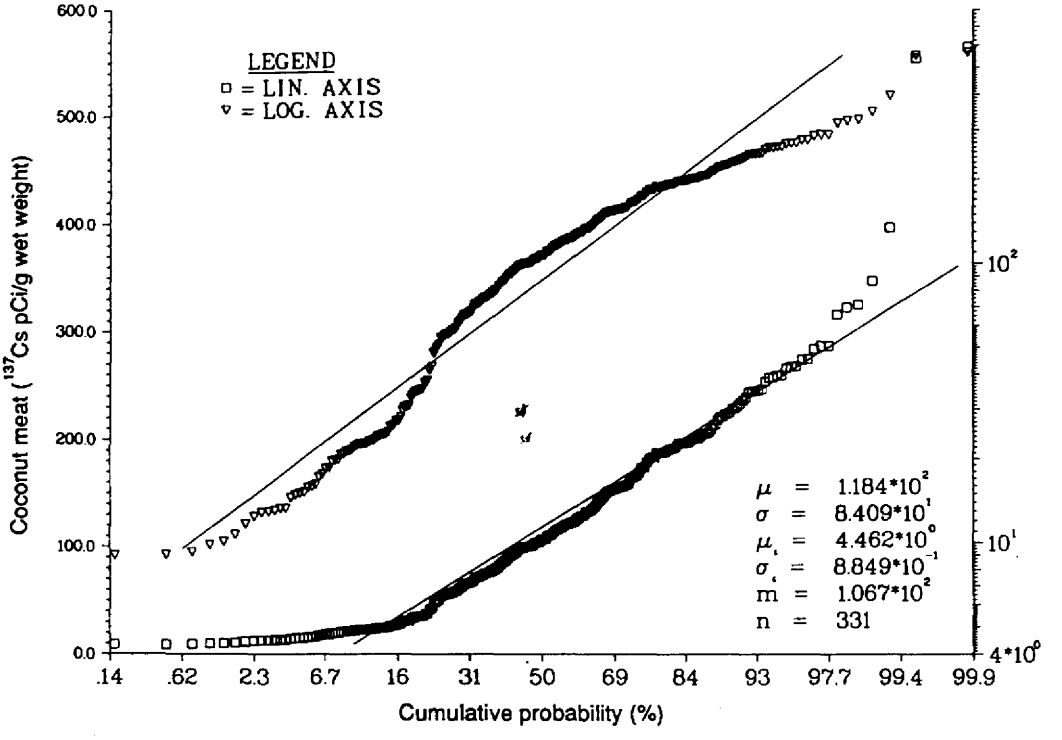

Figure.17. Probability plot of ^{137}Cs concentration in drinking-coconut meat on Bikini Island.

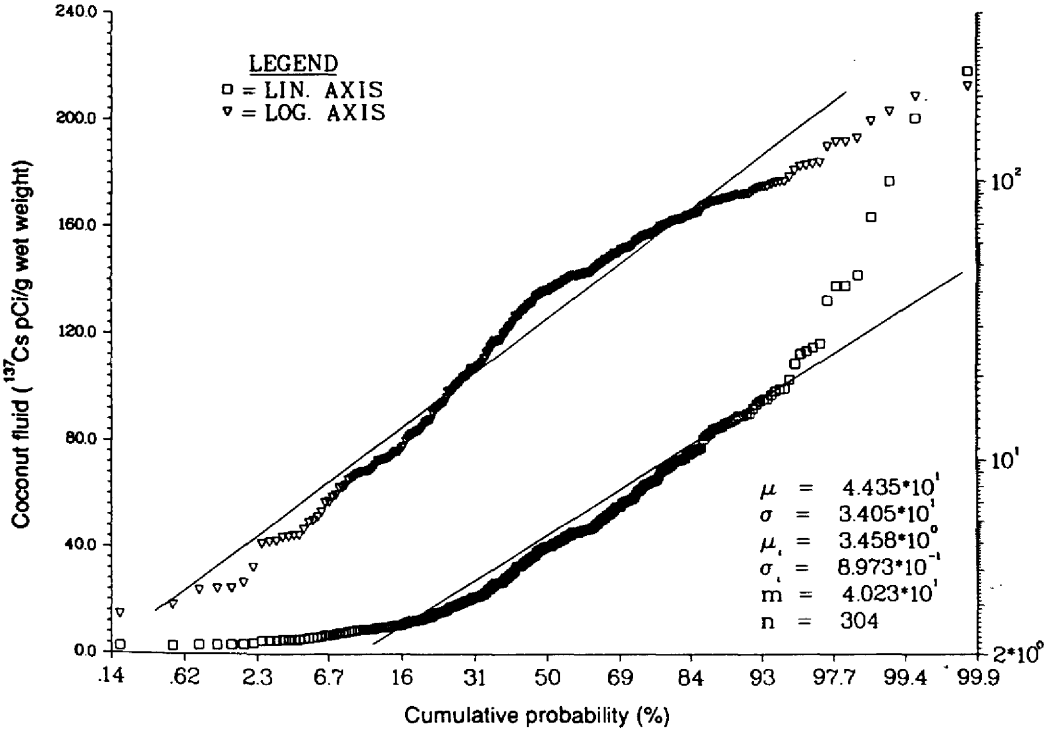

Figure 18. Probability plot of ^{137}Cs concentration in drinking-coconut fluid on Bikini Island.

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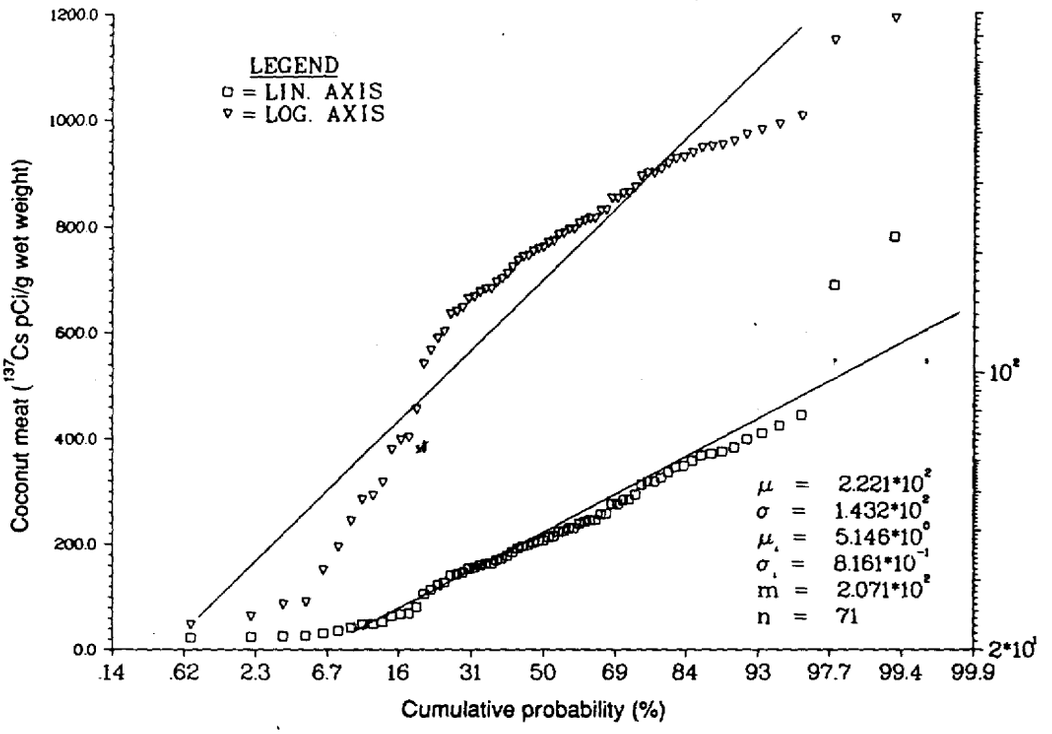

Figure 19. Probability plot of ^{137}Cs concentration in copra-coconut meat on Bikini Island.

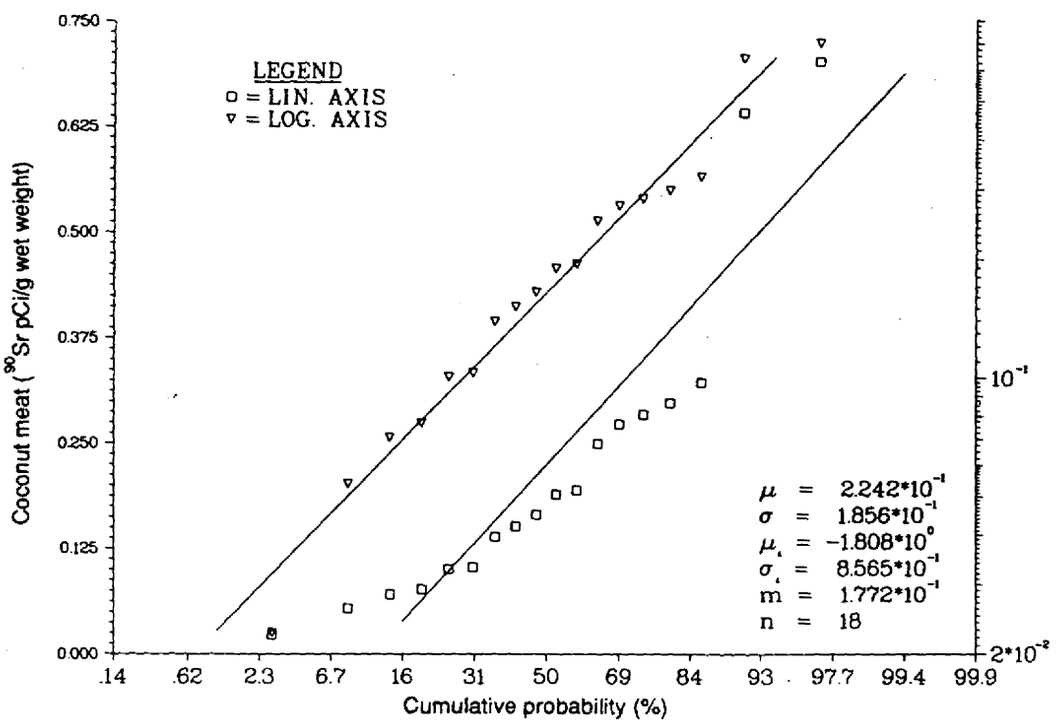

Figure 20. Probability plot of ^{90}Sr concentration in drinking-coconut meat on Bikini Island.

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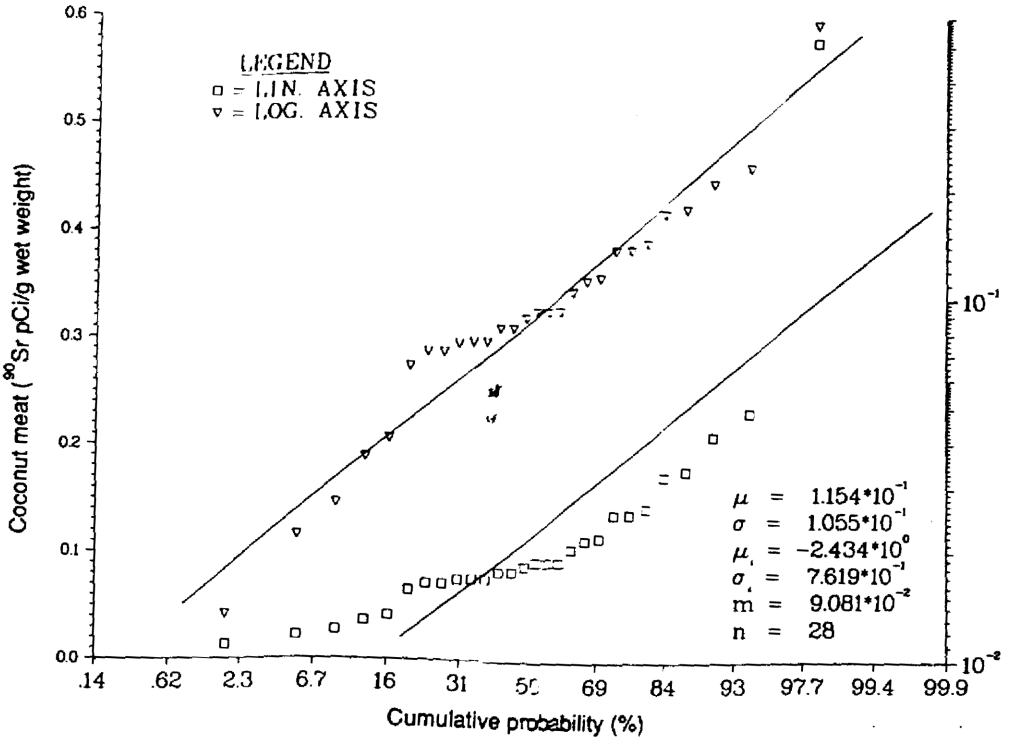

Figure 21. Probability plot of ^{90}Sr concentration in copra-coconut meat on Bikini Island.

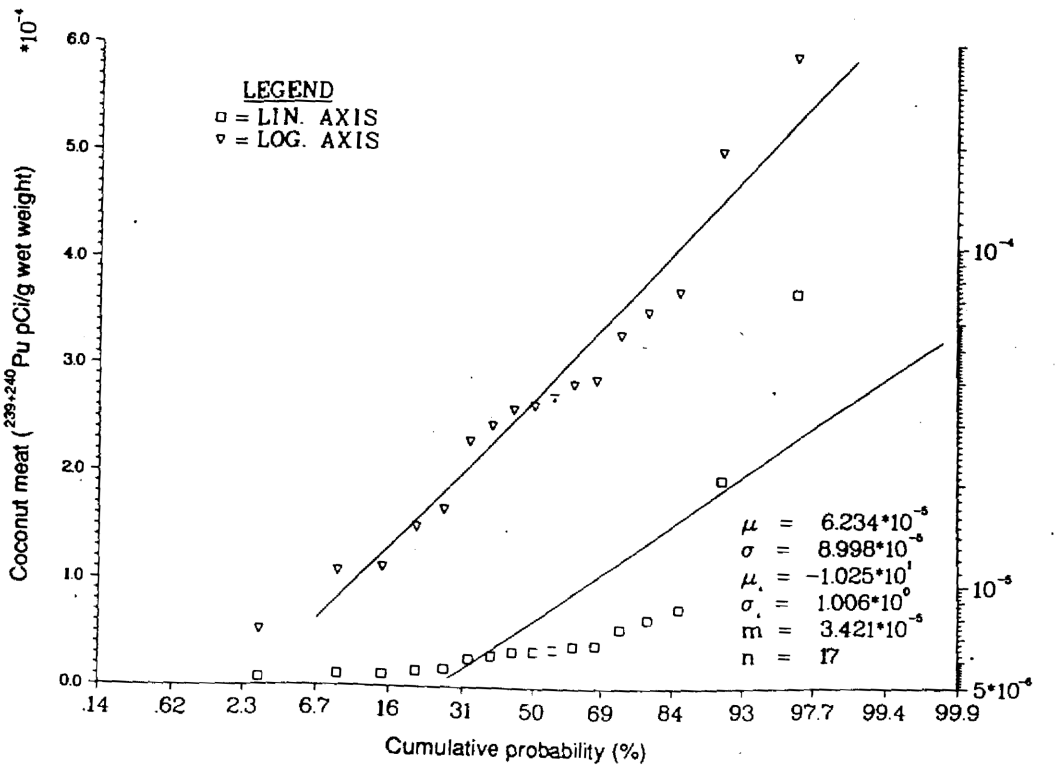

Figure 22. Probability plot of $^{239+240}$Pu concentration in drinking-coconut meat on Bikini Island.

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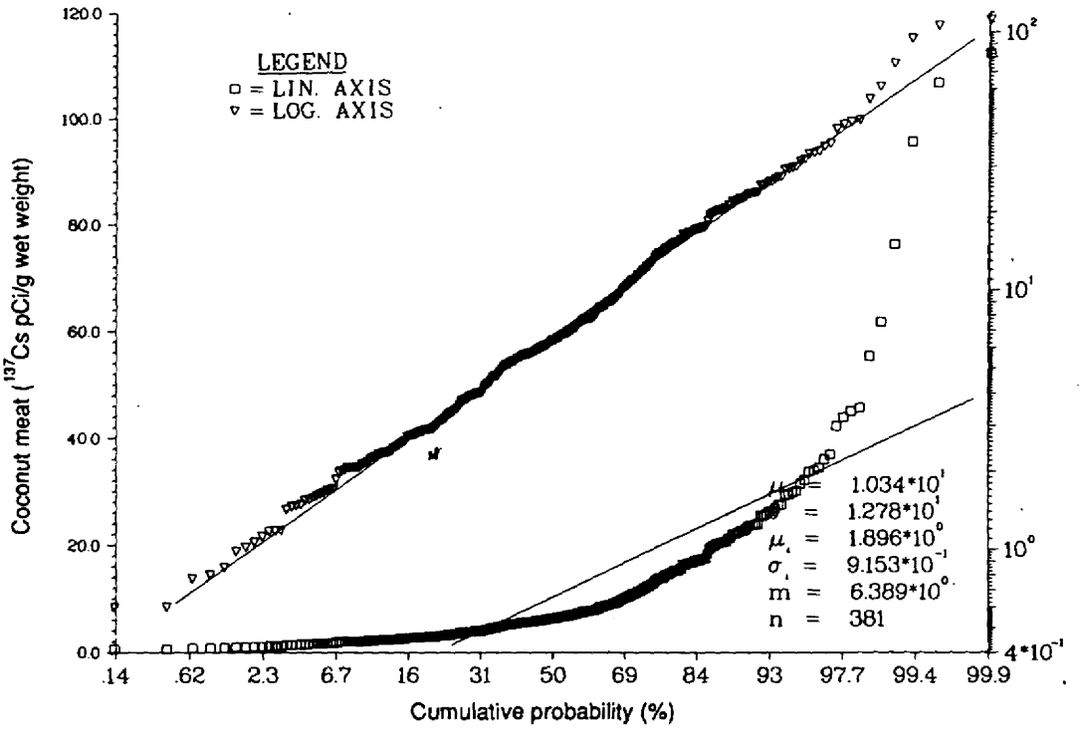

Figure 23. Probability plot of ^{137}Cs concentration in drinking-coconut meat on Eneu Island.

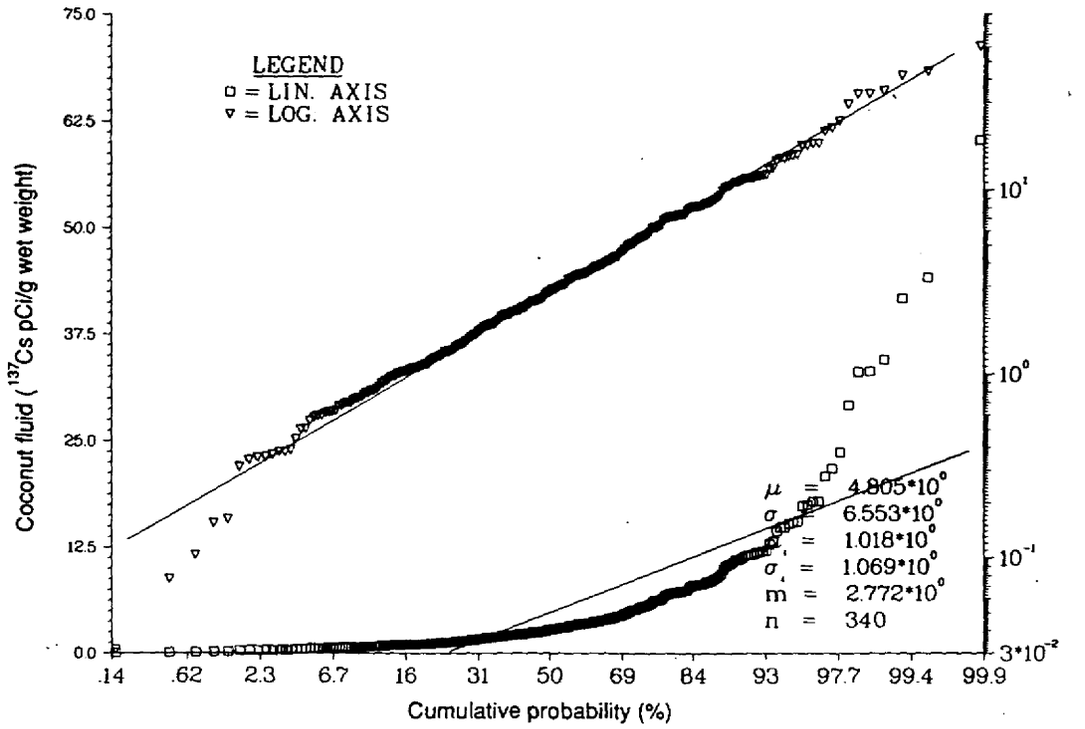

Figure 24. Probability plot of ^{137}Cs concentration in drinking-coconut fluid on Eneu Island.

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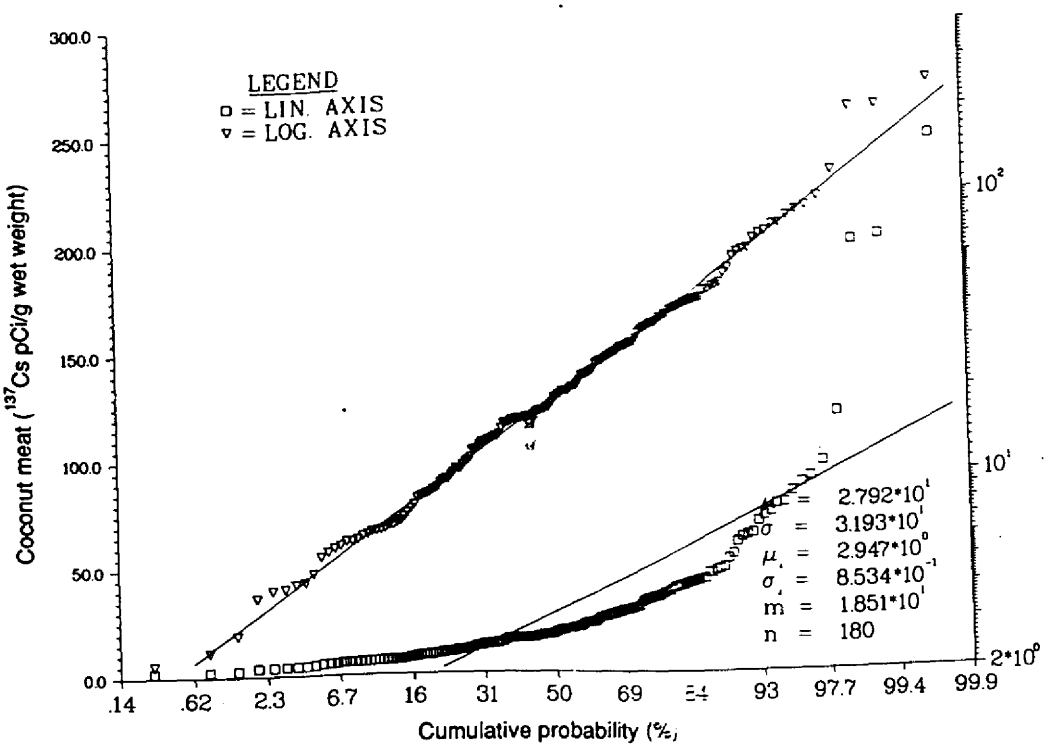

Figure 25. Probability plot of ^{137}Cs concentration in copra-coconut meat on Eneu Island.

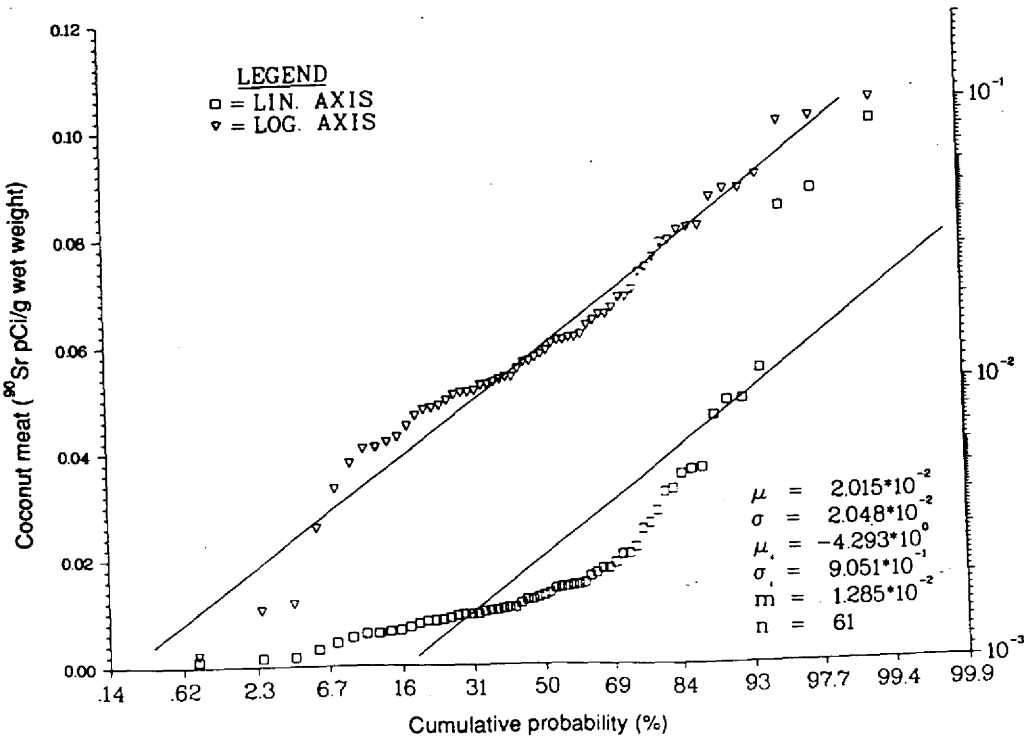

Figure 26. Probability plot of ^{90}Sr concentration in drinking-coconut meat on Eneu Island.

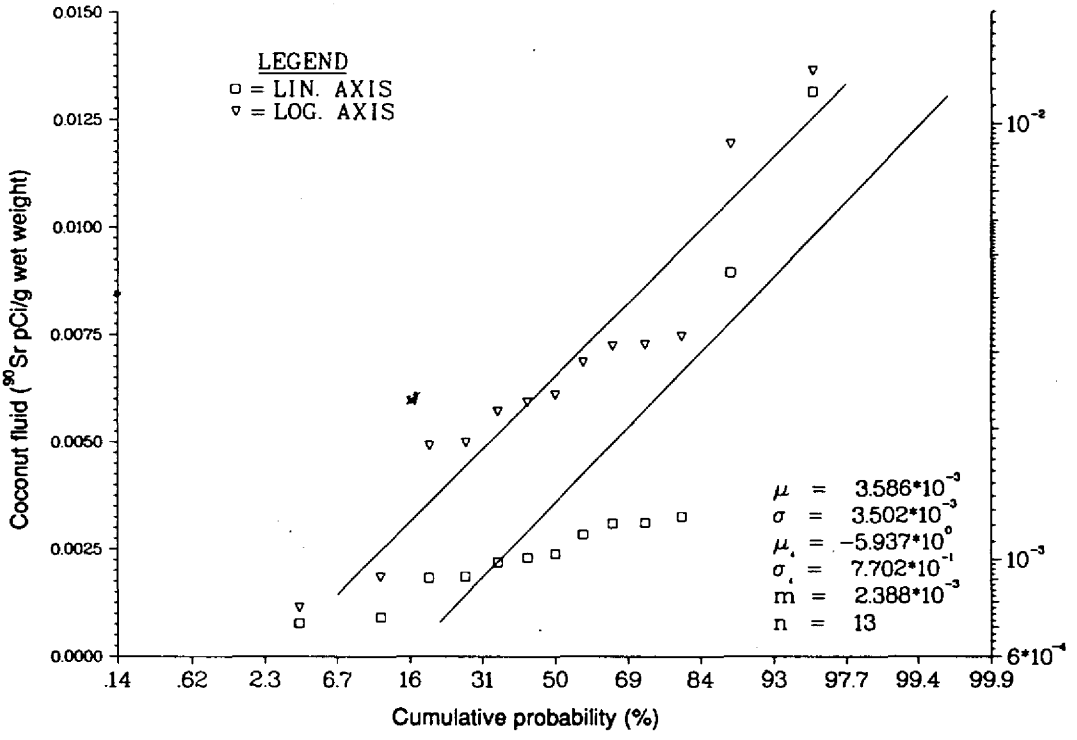

Figure 27. Probability plot of ^{90}Sr concentration in drinking-coconut fluid on Eneu Island.

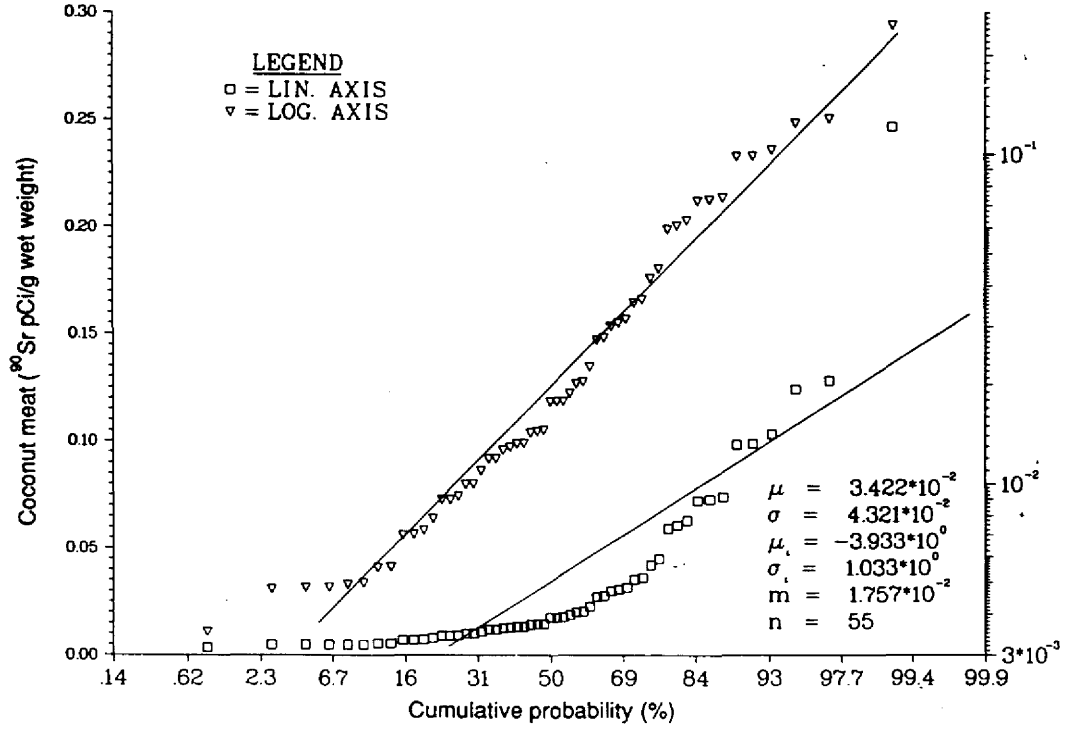

Figure 28. Probability plot of ^{90}Sr concentration in copra-coconut meat on Eneu Island.

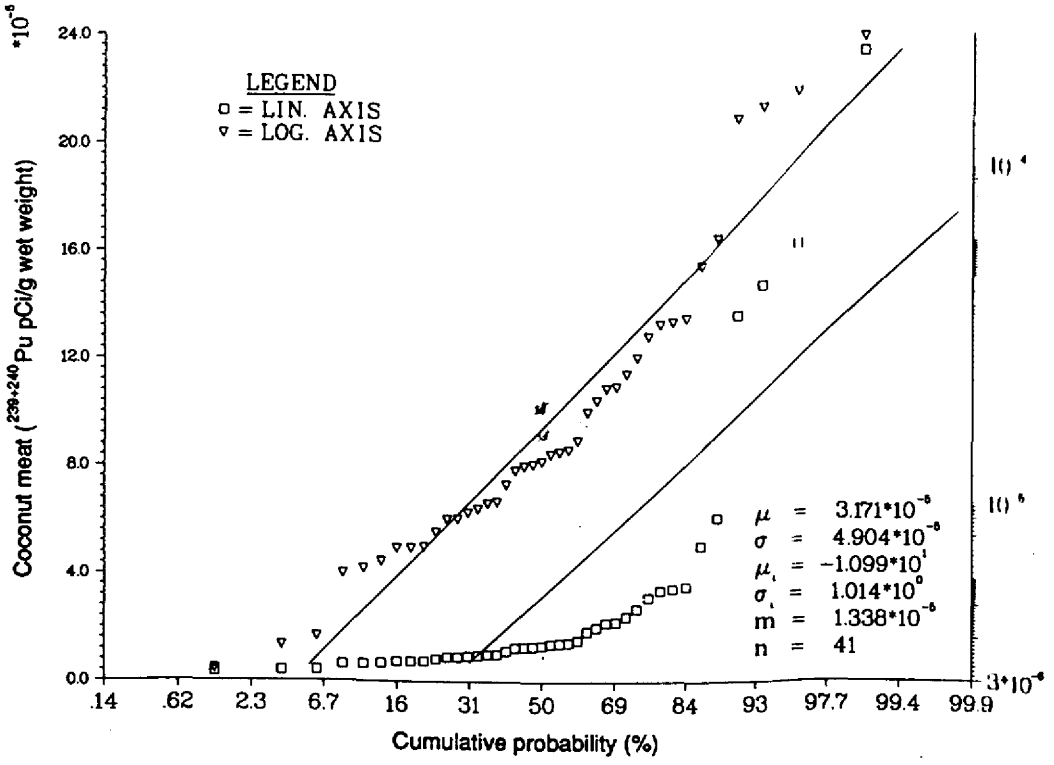

Figure 29. Probability plot of $^{239+240}Pu$ concentration in drinking-coconut meat on Eneu Island.

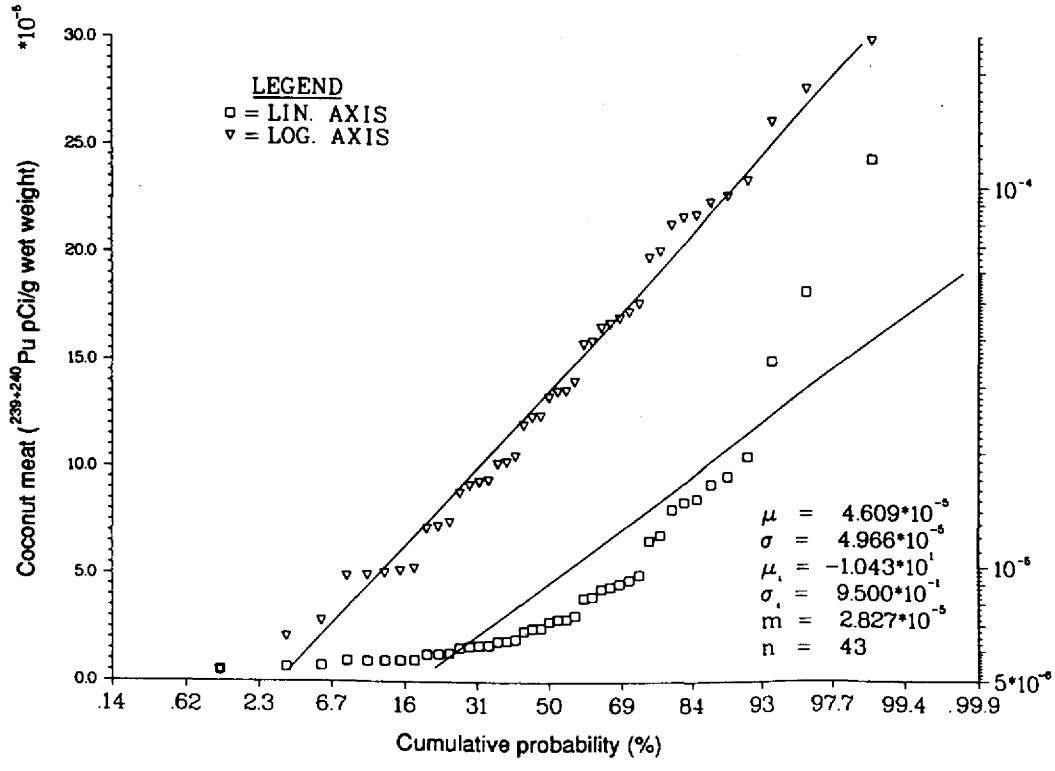

Figure 30. Probability plot of $^{239+240}Pu$ concentration in copra-coconut meat on Eneu Island.

Table 33. Radionuclide concentrations in land animals from Bikini Atoll de corrected to January 1987.

Year collected	Estimated time on island (y)	Age (y)	Gender	Organ	pCi/g wet weight ^{137}Cs	^{90}Sr	$^{239+240}Pu$	^{241}Am
				Bikini Island - Pig				
1985	8	8	M(u)[a]	Muscle	470	—	—	—
1985	8	8	M(u)	Heart	420	—	—	—
1985	8	8	M(u)	Liver	330	—	—	—
1985	8	8	M(u)	Kidney	450	—	—	—
1985	8	8	M(u)	Bone	180	—	—	—
1985	8	8	M(u)	Lungs	210	—	—	—
1980	b	b	F(u)	Muscle	260	—	—	—
1980	b	b	F(u)	Heart	95	—	—	—
1980	b	b	F(u)	Liver	110	—	—	—
1980	b	b	F(u)	Kidney	180	—	—	—
1980	b	b	F(u)	Bone	40	—	—	—
1980	b	b	F(u)	Lungs	52	—	—	—
1979	1	1	F(p)	Muscle	78	0.051	3.7×10^{-4}	2.5×10^{-4}
1979	1	1	F(p)	Heart	43	0.043	9.7×10^{-5}	$<1.2\times10^{-4}$
1979	1	1	F(p)	Liver	37	0.23	5.4×10^{-3}	2.2×10^{-3}
1979	1	1	F(p)	Kidney	65	0.11	7.4×10^{-4}	8.3×10^{-5}
1979	1	1	F(p)	Bone	26	27	$<2.0\times10^{-5}$	3.9×10^{-4}
1979	1	1	F(p)	Lungs	25	0.13	3.1×10^{-3}	1.8×10^{-3}
1977	b	b	M(p)	Muscle	110	0.030	7.4×10^{-5}	2.6×10^{-5}
1977	b	b	M(p)	Heart	83	0.033	9.3×10^{-5}	-3.5×10^{-5}
1977	b	b	M(p)	Liver	52	0.025	9.6×10^{-4}	8.1×10^{-4}
1977	b	b	M(p)	Kidney	130	0.26	1.7×10^{-4}	1.4×10^{-4}
1977	b	b	M(p)	Bone	28	29	7.1×10^{-4}	5.7×10^{-4}
1977	b	b	M(p)	Lungs	35	0.061	8.9×10^{-5}	1.8×10^{-4}
1977	b	b	F(u)	Muscle	320	0.084	1.8×10^{-4}	2.1×10^{-4}
1977	b	b	F(u)	Heart	180	0.086	2.9×10^{-4}	4.7×10^{-4}
1977	b	b	F(u)	Liver	110	0.058	3.3×10^{-3}	1.2×10^{-3}
1977	b	b	F(u)	Kidney	330	0.29	1.9×10^{-3}	7.5×10^{-4}
1977	b	b	F(u)	Bone	76	42	2.2×10^{-3}	6.9×10^{-4}
1977	b	b	F(u)	Lungs	120	0.18	6.0×10^{-4}	2.0×10^{-4}
				Bikini Island - Coconut Crab[c]				
1964-1974[d]	b	b	b	Muscle	100	6.1	4.3×10^{-3}	—
1964-1974[e]	b	b	b	Hepatopancreas	65	27	1.3×10^{-2}	—

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Table 33. (Continued)

Year collected	Estimated time on island (y)	Age (y)	Gender	Organ	pCi/g wet weight ^{137}Cs	^{90}Sr	$^{239+240}Pu$	^{241}Am
				Eneu Island - Pig				
1979	~2	b	F(u)	Muscle	69	—	—	—
1979	~2	b	F(u)	Heart	43	0.0022	6.3×10^{-5}	3.2×10^{-5}
1979	~2	b	F(u)	Liver	29	0.0025	1.6×10^{-4}	8.5×10^{-5}
1979	~2	b	F(u)	Kidney	38	0.0033	1.5×10^{-5}	-1.7×10^{-5}
1979	~2	b	F(u)	Bone	12	5.6	6.7×10^{-4}	—
1979	~2	b	F(u)	Lungs	26	0.0038	3.3×10^{-4}	1.8×10^{-4}
1979	~2	b	M(u)	Muscle	62	0.0039	2.0×10^{-4}	9.9×10^{-5}
1979	~2	b	M(u)	Heart	35	0.0036	$<1.0\times10^{-4}$	1.1×10^{-4}
1979	~2	b	M(u)	Liver	34	0.0017	7.6×10^{-4}	1.9×10^{-4}
1979	~2	b	M(u)	Kidney	52	0.0046	3.2×10^{-4}	$<3.6\times10^{-5}$
1979	~2	b	M(u)	Bone	16	4.1	2.2×10^{-3}	8.9×10^{-4}
1979	~2	b	M(u)	Lungs	22	0.0059	5.1×10^{-4}	3.1×10^{-4}
				Eneu Island - Coconut Crab[c]				
1967-1969[f]	b	b	b	Muscle	37	0.32	—	—
1967-1969[f]	b	b	b	Hepatopancreas	19	3.3	—	—

NOTE: Dash indicates no data available.

[a] u = unpenned, free roaming; p = penned.
[b] Not known.
[c] From Nelson (1977) and Held (1968, 1971).
[d] Pooled sample, 5 for ^{137}Cs, 3 for ^{90}Sr, and 1 for $^{239+240}Pu$.
[e] Pooled sample, 4 for ^{137}Cs, 2 for ^{90}Sr, and 1 for $^{239+240}Pu$.
[f] Pooled sample, 3 for ^{137}Cs and 1 for ^{90}Sr.

pigs. Strontium-90 and the concentrations of transuranic radionuclides are low in most soft tissues and are highest in bone, liver, and lungs.

The concentration of ^{137}Cs in soft tissues in pigs on Bikini Island is higher by about a factor of 7 to 12 than in pigs on Eneu Island and reflects the general difference in radionuclide concentrations in soil and vegetation on the two islands. The pig that had been on Bikini about 8 y and the two pigs that were on Eneu about 2 y provide the best basis for comparison of ^{137}Cs concentrations in soft tissue for the two islands. These pigs were on

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the islands long enough to reach a steady state with ^{137}Cs in the environment. The time that the other pigs were on an island and free-roamir is unknown; they may not have reached steady-state conditions and, thus, ma not have reached the maximum ^{137}Cs concentration possible.

There are not many coconut crabs available. Consequently, there will either be a relatively higher intake for a short time or a very low intake over an extended period of time if conservation of the species is practiced. In either case, coconut crab will not add significantly to the dose.

The ^{137}Cs concentration in one chicken sample collected prior to the Bikini people's relocation from Bikini Atoll in 1978 was 6.9 pCi/g wet weight. The chicken was allowed to wander at will and this value should reflect ^{137}Cs concentrations in chicken meat.

RADIONUCLIDES IN MARINE SPECIES

The radionuclide concentrations in fish, crustaceans, invertebrates, marine-eating birds, and bird eggs are listed in Table 34. More detailed information can be found in Noshkin et al. (1988). The ^{137}Cs concentrations are very low in reef and pelagic fish, crustaceans, and invertebrates. This reflects the solubility and rapid dilution of ^{137}Cs in the lagoon and ocean. Also, as a result of low concentration in marine species, the ^{137}Cs concentrations in the marine-feeding birds and their eggs, which are the birds and bird eggs eaten by the people, are very low.

The concentration of ^{90}Sr is also very low in the tissues of all marine species; the ^{90}Sr concentration is much higher in the bones, skin, and gut contents of fish. Many of the reef fish feed on coral and bottom sediments, which still contain ^{90}Sr. The ^{90}Sr is, thus, present in the gut and is concentrated in the bone and skin after ingestion. Fortunately, the bones from these fish are not consumed and the skin is rarely consumed by the Marshallese. Similarly, the bones from birds are not consumed.

The transuranic radionuclides (Pu and Am) are similar to ^{90}Sr in that they are very low in tissues of marine species and are concentrated in the bone, liver, and gut. In general, the marine pathway does not provide a major source of intake of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, or ^{241}Am.

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Table 34. Radionuclide concentrations in marine species and birds at Bikini Atoll.

	pCi/g wet weight			
	^{137}Cs	^{90}Sr	$^{239+240}Pu$	^{241}Am
Reef fish[a]	1.0×10^{-1}	1.6×10^{-3}	3.4×10^{-4}	1.7×10^{-4}
Pelagic fish[a]	1.6×10^{-1}	1.9×10^{-4}	5.3×10^{-5}	3.5×10^{-5}
Clams[b,c]	1.7×10^{-2}	1.2×10^{-2}	1.9×10^{-2}	1.2×10^{-2}
Shellfish[d,e]	4.9×10^{-2}	--	9.7×10^{-4}	--
Birds	9.1×10^{-2}[f]	9.8×10^{-3}[g]	--	--
Bird eggs[g]	2.5×10^{-2}	1.4×10^{-2}	--	--
Octopus	6.5×10^{-2}	--	--	--
Sea turtle	1.0×10^{-2}	--	--	--

NOTE: Specific activity is decay corrected to 1987; dash indicates no data available.

[a] Data from Noshkin et al. (1988).
[b] Includes both muscle and mantle.
[c] Includes data from Noshkin et al. (1988), Nelson (1977), Schell (1976), and Schell et al. (1978), as well as LLNL data.
[d] Includes lobsters and marine crabs.
[e] Includes ^{137}Cs data from Held (1968), Lynch (1975), as well as LLNL data; $^{239+240}Pu$ data from Schell et al. (1978).
[f] Includes data from Nelson (1977), Lynch (1975), and Held (1968, 1971), as well as LLNL data.
[g] Data from Nelson (1976).

RADIONUCLIDES IN CISTERN WATER AND GROUND WATER

The results of analyses of ground water and cistern water are given in Tables 35 and 36, respectively. The well locations are shown in Fig. 31. The radionuclide concentrations, especially ^{90}Sr and $^{239+240}Pu$, are higher when the well is first established and surface soil and litter fall into the trench and the ground water. After the slotted casing is put in place and the trench backfilled, the ^{90}Sr concentration drops significantly with time as the ground water equilibrates to normal conditions.

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Table 35. Filtered groundwater salinity and radionuclide concentration at Bikini Atoll.

Island	Well	Date	Salinity ppt	^{137}Cs pCi/L	^{90}Sr pCi/L	$^{239+240}Pu$ fCi/L
Bikini	HFH1	06-21-75	0.72	480	87	40
Bikini	HFH1	06-21-75	0.91	630	46	5.9
Bikini	HFH1	06-21-75	1.0	700	38	4.7
Bikini	HFH1	01-24-77	0.98	--	7.2	3.8
Bikini	HFH1	11-19-77	0.30	290	26	7.9
Bikini	HFH1	11-08-78	1.9	180	12	4.3
Bikini	HFH1	04-21-79	3.0	310	--	3.4
Bikini	HFH1	09-24-80	2.0	380	--	--
Bikini	HFH1	03-27-82	3.8	--	--	--
Bikini	HFH1	06-10-82	--	100	--	--
Bikini	HFH1	05-09-84	11	320	--	--
Bikini	HFH1	09-14-84	12	--	--	--
Bikini	HFH1	11-16-84	12	250	--	--
Bikini	HFH1	03-04-85	12	--	--	--
Bikini	HFH1	05-10-85	14	--	--	--
Bikini	HFH1	07-20-85	15	--	--	--
Bikini	HFH2	06-19-75	0.09	290	77	7.5
Bikini	HFH2	01-23-77	0.14	--	7.3	4.7
Bikini	HFH2	11-19-77	0.26	180	78	8.9
Bikini	HFH2	11-09-78	0.45	39	13	5.0
Bikini	HFH2	04-24-79	0.50	130	--	2.9
Bikini	HFH2	09-25-80	2.0	63	--	--
Bikini	HFH2	02-26-81	3.5	--	--	--
Bikini	HFH2	03-27-82	5.6	--	--	--
Bikini	HFH2	05-10-84	15	--	--	--
Bikini	HFH2	09-14-84	8.0	--	--	--
Bikini	HFH2	11-16-84	9.0	--	--	--
Bikini	HFH3	06-18-75	2.5	340	230	38
Bikini	HFH3	01-24-77	8.3	110	4.0	8.4
Bikini	HFH3	11-20-77	4.3	83	74	7.3
Bikini	HFH3	11-20-78	3.3	55	--	5.4
Bikini	HFH3	04-24-79	17	--	--	--
Bikini	HFH3	08-07-79	--	72	--	25
Bikini	HFH4	06-18-75	0.03	230	260	89
Bikini	HFH4	01-24-77	0.39	200	22	30
Bikini	HFH4	11-20-77	0.12	140	92	43
Bikini	HFH4	11-18-78	0.45	61	--	37
Bikini	HFH4	04-29-79	3.0	--	--	--
Bikini	HFH4	09-24-80	21	55	--	--
Bikini	HFH5	06-18-75	0.65	530	180	26
Bikini	HFH5	01-24-77	2.2	250	4.2	11

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Table 35. (Continued)

Island	Well	Date	Salinity ppt	^{137}Cs pCi/L	^{90}Sr pCi/L	$^{239+240}Pu$ fCi/L
Bikini	HFH5	11-20-77	2.7	220	4	22
Bikini	HFH5	05-12-78	--	--	--	7.2
Bikini	HFH5	11-18-78	1.9	160	--	12
Bikini	HFH5	04-24-79	5.5	110	--	18
Bikini	HFH5	08-03-79	--	120	--	6.0
Bikini	HFH5	09-24-80	6.0	150	--	--
Bikini	HFH5	02-26-81	7.0	--	--	--
Bikini	HFH6	01-26-77	0.63	--	33	13
Bikini	HFH6	11-20-77	0.32	120	55	14
Bikini	HFH6	08-10-79	--	78	--	5.1
Bikini	HFH6	09-25-80	2.5	80	--	--
Bikini	HFH7	06-20-75	0.50	250	1	9.8
Bikini	HFH7	01-24-77	0.20	130	4.2	13
Bikini	HFH7	11-20-77	0.26	150	6.4	19
Bikini	HFH7	11-09-78	0.40	110	--	19
Bikini	HFH7	04-21-79	2.2	91	--	15
Bikini	HFH7	09-25-80	0.0	100	--	--
Bikini	HFH7	03-27-82	1.2	--	--	--
Bikini	HFH7	02-28-84	1.5	--	--	--
Bikini	HFH7	05-10-84	1.8	--	--	--
Bikini	HFH7	09-08-84	1.0	--	--	--
Bikini	HFH7	11-16-84	4.0	--	--	--
Bikini	HFH7	03-04-85	4.0	--	--	--
Bikini	BK1	03-21-81	17	--	--	--
Bikini	BK1	08-18-84	27	--	--	--
Eneu	FWR1	06-24-75	1.0	35	68	3.5
Eneu	FWR1	06-24-75	1.1	30	45	3.3
Eneu	FWR1	01-27-77	1.6	10	9.9	18
Eneu	FWR1	11-17-77	1.2	37	8.2	1.1
Eneu	FWR1	11-06-78	1.2	22	--	0.73
Eneu	FWR1	04-21-79	4.0	17	--	0.8
Eneu	FWR1	09-23-80	1.5	14	--	--
Eneu	FWR1	05-14-84	5.0	14	--	--
Eneu	FWR1	09-13-84	3.5	--	--	--
Eneu	FWR1	11-23-84	4.0	1.9	--	--
Eneu	FWR1	11-14-85	7.0	12.9	2.7	--
Eneu	FWR2	06-24-75	3.3	69	64	24
Eneu	FWR2	01-27-77	5.9	11	3.9	2.3
Eneu	FWR2	11-17-77	7.3	20	1.3	2.3
Eneu	FWR2	04-21-79	13	24	--	1.6

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Table 35. (Continued)

Island	Well	Date	Salinity ppt	^{137}Cs pCi/L	^{90}Sr pCi/L	239+240p fCi/L
Eneu	FWR3	06-22-75	2.6	32	1.3	0.72
Eneu	FWR3	01-27-77	2.8	16	4.2	1.9
Eneu	FWR3	04-22-79	6.5	26	--	5.6
Eneu	FWR4	06-22-75	0.09	1.1	3.4	0.9
Eneu	FWR4	01-27-77	0.05	0.37	9.5	1.3
Eneu	FWR4	11-17-77	0.05	0.81	2.8	2.9
Eneu	FWR4	11-07-78	0.34	1.7	--	0.7
Eneu	FWR4	04-21-79	0.07	--	--	1.1
Eneu	FWR4	09-23-80	0	--	--	--
Eneu	FWR4	05-13-84	<0.5	1.7	--	--
Eneu	FWR4	09-13-84	0	0.24	--	--
Eneu	FWR4	11-23-84	<0.1	0.31	--	--
Eneu	FWR4	11-15-85	<0.8	0.51	2.5	--
Eneu	FWR4	02-17-86	<0.1	1.4	2.3	0.13
Eneu	FWR4	08-15-87	0.5	--	--	--
Eneu	FWR5	01-28-77	0.22	13	33	6.2
Eneu	FWR5	11-18-77	0.51	18	11	1.3
Eneu	FWR5	11-07-78	0.67	13	7.7	--
Eneu	FWR5	04-21-79	0.37	13	--	1.3
Eneu	FWR5	09-23-80	0.5	2.9	--	--
Eneu	FWR5	09-13-84	3.0	2.4	--	--
Eneu	FWR6	01-29-77	0.29	23	3.4	4.0
Eneu	FWR6	11-17-77	0.60	45	21	3.6
Eneu	FWR6	11-07-78	--	20	17	2.2
Eneu	FWR6	04-20-79	0.5	21	--	0.54
Eneu	FWR6	09-13-84	0.0	0.69	--	--
Eneu	FWR6	11-23-84	0.5	1.2	--	--
Eneu	FWR6	11-14-85	1.8	0.85	1.1	--
Eneu	FWR7	05-14-84	<0.3	10	--	--
Eneu	FWR7	11-28-84	<0.3	5.1	--	--
Eneu	FWR7	11-14-85	1.8	7.3	1.3	--
Eneu	E5-12	11-14-85	1.0	1.8	1.6	--
Eneu	E5-19	11-14-85	1.8	2.1	2.4	--
Eneu	E5-27	11-14-85	1.0	1.6	2.3	--
Eneu	E5-12	02-17-86	--	3.7	2.8	<0.1
Eneu	E5-19	02-17-86	--	2.3	2.6	<0.1
Eneu	E5-27	02-17-86	--	1.7	2.7	0.08
Eneu	E8-15	02-17-86	--	0.77	0.018	<0.1

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Table 35. (Continued)

Island	Well	Date	Salinity ppt	^{137}Cs pCi/L	^{90}Sr pCi/L	$^{239+240}Pu$ fCi/L
Enidrik	DDS1	11-07-78	3.9	--	--	26
Enidrik	DDS1	04-20-79	18	5.3	--	--
Nam	CTS1	11-12-78	14	140	--	250
Nam	CTS1	04-25-79	21	130	--	16
Nam	CTS1	02-28-81	24	140	--	29

NOTE: Dash indicates no data available.

In general, the radionuclide concentrations in the groundwater lens reflect the average radionuclide concentrations in the soil above it. Eneu Island has a tremendous freshwater lens, the quality and volume of which is exceptional (Peterson and Underwood, 1987). On Eneu Island, the ^{137}Cs, ^{90}Sr, and $^{239+240}Pu$ concentrations in the ground water are low and in all cases below the EPA guidance of 8 pCi/L for ^{90}Sr, 91 pCi/L for ^{137}Cs, and 15 pCi/L for transuranic radionuclides for drinking water (based on 2 L/d intake and a 4 mrem/y limit) (40 CFR 141.15). On the other hand, the ^{90}Sr concentration for Bikini Island generally exceeds the EPA guideline. However, in most cases, Bikini Island ground water is so saline that it is nonpotable. The salinities in the ground water on Bikini and Eneu Islands have increased since 1975; this observation will be dealt with in more detail in the Discussion section of this report.

The radionuclide concentrations are very low in the collected rainwater (cistern water), which is the major source of fresh water for the island residents. All the measured concentrations from 1975 to 1984 are well below current EPA guidelines for drinking water.

In 1978, when the people were relocated from Bikini Atoll, the radionuclide concentrations in cistern water increased as a result of vegetation that grew around the cisterns at heights well above the top of the cisterns. Consequently, considerable vegetation containing ^{137}Cs started falling in openings in the top of the cisterns and accumulating in the bottom.

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Table 36. Radionuclide concentration in unfiltered cistern water from Bikini Atoll.

Island	Cistern	Date	^{137}Cs pCi/L	^{90}Sr pCi/L	$^{239+240}Pu$ fCi/L	^{241}Am fCi/L
Bikini	House 24	6-21-75	1.9	2.8	14	--
	House 5	6-21-75	2.5	1.0	7.9	--
	School	6-21-75	1.7	1.4	29	--
	House 10	1-24-77	1.5	0.43	6.8	--
	House 10	1-24-77	--	0.47	50	--
	House 39	1-24-77	0.41	0.23	4.9	--
	School	1-24-77	1.2	0.37	6.3	--
	House 12	11-21-77	0.45	0.15	5.3	--
	House 39	11-21-77	0.30	0.22	2.6	--
	School	11-21-77	0.58	0.24	3.8	--
	House 5	11-08-78	0.82	0.20	2.6	--
	School	11-08-78	1.0	0.20	2.0	0.9
	House 24	11-08-78	2.5	0.36	2.5	1.1
	House 24	4-23-79	8.5	1.5	2.0	--
	House 5	4-23-79	2.7	0.50	2.7	--
	School	4-23-79	2.0	0.39	1.9	--
	House 10	9-25-80	14	--	4.4	1.4
	House 24	9-25-80	17	--	7	3.4
	House 5	9-25-80	1.6	--	2.8	0.7
	School	9-25-80	2.3	--	1.0	0.3
	House 24	11-23-84	4.2	--	--	--
	House 11	11-24-84	33	--	--	--
	House 14	11-24-84	93	--	--	--
	House 34	11-24-84	17	--	--	--
	House 38	11-24-84	0.057	--	--	--
Eneu	M. Hall N	1-27-77	Lost	0.23	2.5	--
	M. Hall S	1-27-77	Lost	0.49	0.9	--
	M. Hall S	11-18-77	0.21	0.15	16.5	--
	M. Hall S	11-08-78	0.27	0.16	1.7	--
	M. Hall S	9-13-84	0.04	--	--	--
	M. Hall N	11-25-84	0.36	--	--	--
	M. Hall S	4-23-79	0.45	0.16	1.1	--

NOTE: Dash indicates no data available.

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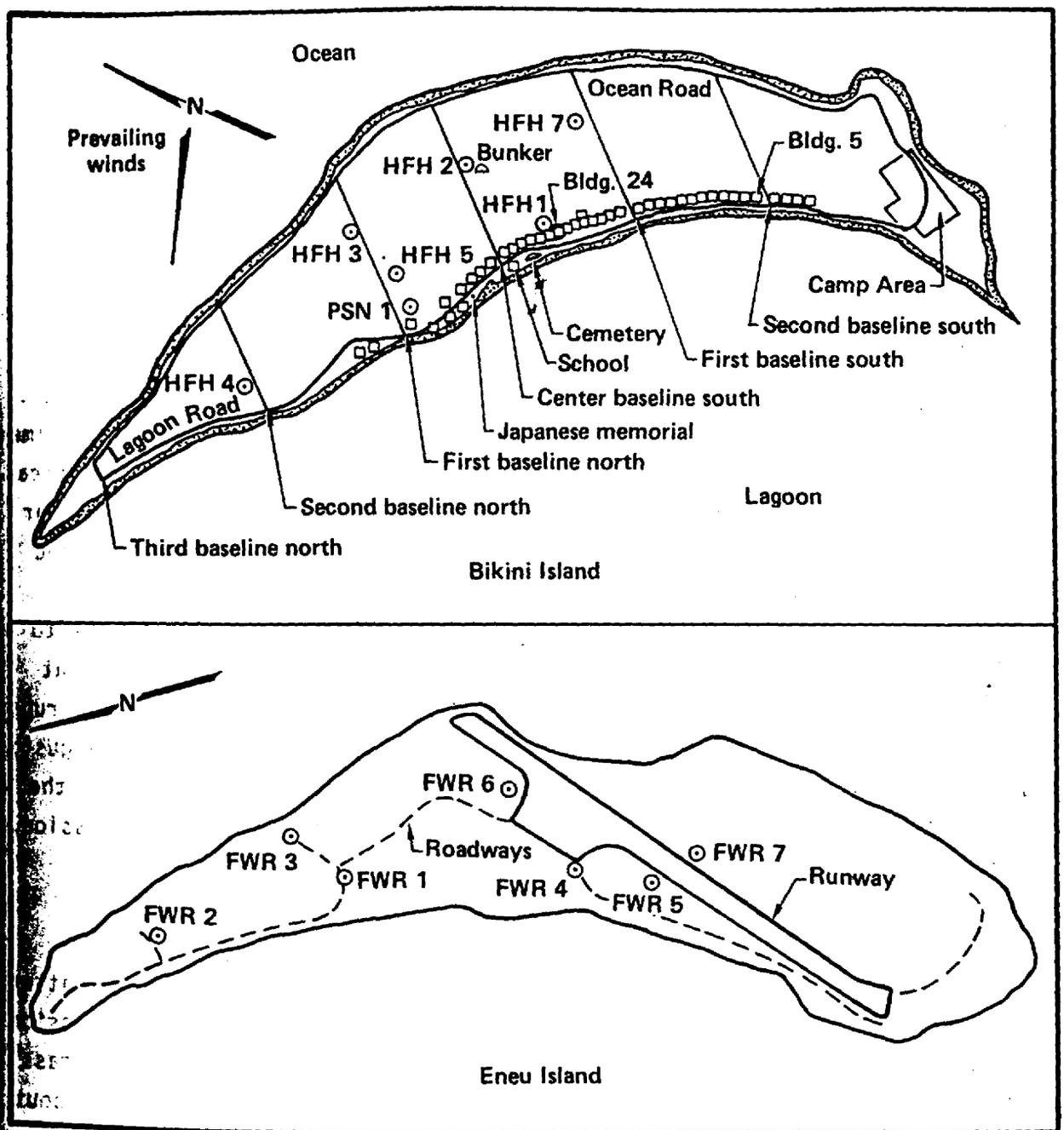

Figure 31. Well locations on Bikini and Eneu Islands.

of the cisterns, causing an increase in the radionuclide concentration in the cistern water. When the Bikini people return and live in the houses, the vegetation growth around the cisterns will be eliminated, and screens can be placed over the openings to prevent vegetation from going into the cisterns. It is also possible to design the cisterns into the walls of the house, as was done at Enewetak. In either case, the radionuclide concentrations in the cistern water would be lower as a result.

ANNUAL RAINFALL

The annual rainfall at Bikini Atoll since 1982 is listed in Table 37. These data have been collected continuously using tipping-bucket rain gages. The data are collected in 20-second intervals, integrated over 20-minute time periods, stored on magnetic tape, and transmitted to a National Weather Bureau satellite for subsequent transmission to LLNL. We have a continuous 5-year record of rainfall, with a 20-minute resolution, from one station on Eneu Island and a continuous 3-year record from two stations on Bikini Island.

The annual rainfall has varied from a low in 1984 of about 32 inches to a high in 1986 of about 77 inches. The monthly 5-year-average rainfall at Bikini Atoll is shown in Fig. 32. The dry season begins in December and runs usually through April. The rainfall increases usually in May through August; August and September are usually the peak months. The significance of the annual rainfall and the rainfall pattern will be considered in the discussion.

RESUSPENSION

We have made detailed measurements of resuspension of particulate matter at both Bikini and Enewetak Atolls; a thorough discussion of our resuspension studies is given in Shinn et al. (1980). Under normal conditions, the mass loading in the air is about 21 $\mu g/m^3$ of dust and organic particles and about 34 $\mu g/m^3$ of salt from the continual sea spray from wave interaction on the ocean reef. During the process of clearing vegetation and surface groundcover by bulldozers, the mass loading from surface resuspension was 140 $\mu g/m^3$. The cleared soil surface stabilized very rapidly over 3 to 4 days to a point where the mass loading was essentially back to normal (see Table 38).

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Table 37. Annual rainfall in inches at Bikini and Eneu Islands at Bikini Atoll

	1982	1983	1984		1985		1986		1987		1988	
	Eneu	Eneu	Eneu	Bikini	Eneu	Bikini	Eneu	Bikini	Eneu	Bikini	Eneu	Bikini
January	0.0	1.5	0.7	0.2	3.3	0.4	3.4[a]	3.4	0.6	0.5	2.2	1.5
February	0.6	--	1.1	0.8	0.1	1.5	1.0	0.1	1.3	0.5	0.6	0.8
March	2.6	--	1.9	1.5	2.5	1.3	1.7	1.1	0.5	0.5	1.1	1.1
April	3.9	--	0.7	0.5	1.6	2.7	2.1	1.8	0.6	4.5	1.6	0.5
May	11.4	--	0.1	0.2	8.8	6.9	4.4	6.4	3.6	0.6	2.2	0.9
June	0.8	--	3.9	4.5	3.3	4.5	8.7	6.6	1.9	1.5		
July	9.6	--	1.0	0.5	2.0	3.1	8.6	7.3	3.3	3.7		
August	10.0	--	5.9	6.8	5.3	6.7	11.6	15.5	2.6	6.2		
September	11.1	7.6	3.1	4.0	5.7	8.0	14.1	16.3	5.7	8.1		
October	12.0	0.4	7.8	4.7	5.2	6.5	8.5	9.2	7.0	6.4		
November	7.4	0.0	7.2	4.2	3.0	3.6	5.2	4.9	9.6	6.8		
December	2.4	1.6	3.2	3.6	1.9	2.7	3.9	4.8	3.4	2.7		
Sum	71.7		36.5	31.5	42.6	48.0	73.2	77.4	40.1	41.9		

NOTE: Dash indicates no data available.

[a] No transmission of data from the Eneu Station; Eneu Island rainfall assumed to be the same as Bikini Island.

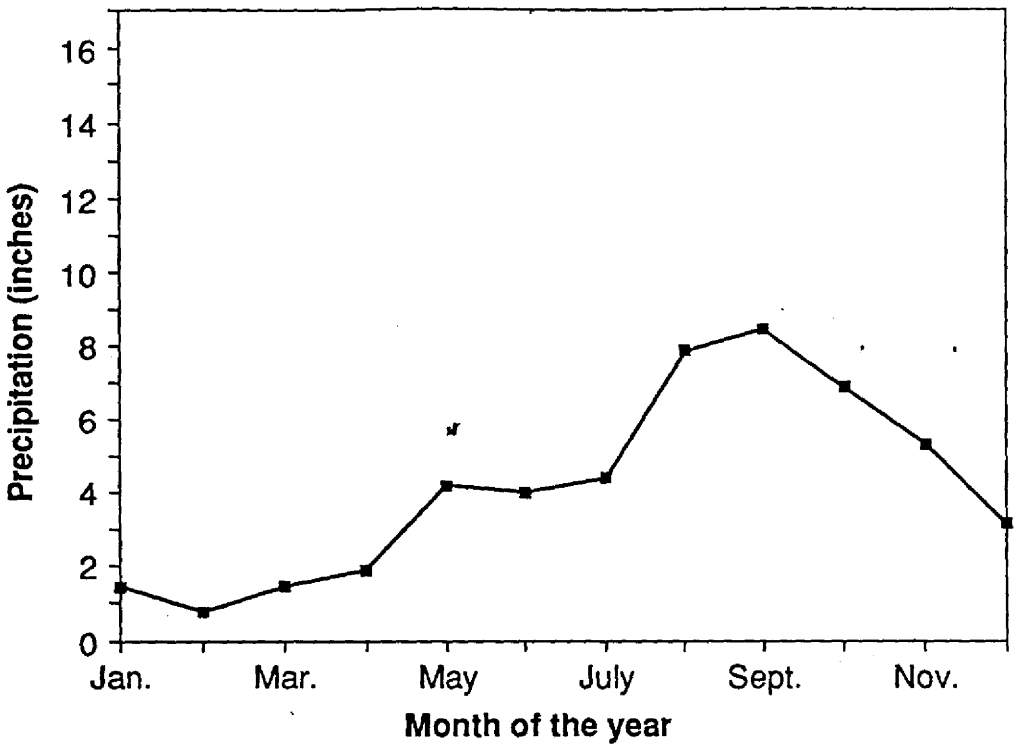

Figure 32. Average monthly rainfall at Bikini Atoll from 1982 through 1987.

Our measurements of resuspension in the coconut grove on Bikini Island were made in 1978. Since then, the coconut grove has matured and the coconut trees have increased in height; as a result, most of the wind is directed up and over the coconut canopy. In addition, the ground cover has increased, so that the mass loading at breathing height might currently be less than the measurements taken in 1978.

We also observed on Bikini Island that the Pu specific activity of material on the air filters exceeded the specific activity of Pu in the top 5 cm of surface soil, which is the source of the resuspended material. As a result, we developed the concept of the enhancement factor (EF) to account for the increased activity in the respirable-size resuspended material. In addition, people in the process of their daily activities often produce a dust concentration in their immediate environment that exceeds the dust mass loading measured in the open field. Personal dosimeters (air samplers) were worn by our field teams performing various tasks to determine the personal dosimeter enhancement (PDE).

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Table 38. Pulmonary deposition of plutonium for worst-case and best-case conditions on Bikini Atoll ($^{239+240}Pu$).

Condition	Inhalation rate (m^3/h)	Dust aerosol ($\mu g/m^3$)	Soil Pu activity (aCi/μg)	Enhancement factor (EF)	Personal enhancement (PDE)	Fractional pulmonary deposition of dust[a]	Pulmonary activity deposition (aCi/h)
High Respiration Rate							
Bare field, during tilling	1.04	136	15.3	3.10	0.92	0.17[b]	1050
Stabilized field, heavy work	1.04	21	15.3	0.83	2.64	0.13[c]	95
Normal Respiration Rate							
In and around house, light work	0.83	21	15.3	0.83	1.86	0.13	54
Coconut grove, light work	0.83	21	8.0	0.41	1.10	0.13	8.2
At roadside, one vehicle/h[d]	0.023	28	4.1	2.50	1.0	0.17	1.1 + BG

[a] From ICRP (1979).
[b] Pulmonary deposition for particles of 2.0 μm AMAD.
[c] Pulmonary deposition for particles of 2.5 μm AMAD.
[d] Pulmonary deposition resulting from exposure to one, ten-second, median, vehicular dust-pulse, *not* including background (BG).

Based on these resuspension studies, including mass loading, EF, and PDE, and a living pattern that places island residents in normal conditions 23 h per day and in high-activity conditions for 1 h per day for their entire life, the inhalation doses from resuspended Pu and Am are less than 1% of the estimated 30-y integral bone marrow dose and about 8 to 10% of the bone surface dose using the latest ICRP parameters for gut transfer and distribution of Pu and Am. The doses via inhalation from ^{137}Cs and ^{90}Sr are several orders of magnitude less (Robison et al., 1982b, 1987).

DISCUSSION

This report includes the information available on the radionuclide concentrations in vegetation, soil, water, and animals at Bikini Atoll. The data are decay corrected to year 1987 unless stated otherwise. The radionuclide concentration in marine species are presented in Noshkin et al. (1988). No attempt is made here to estimate potential radiological doses; the total estimated dose for Bikini and Eneu Islands from all exposure pathways can be found in Robison et al. (1982b), and external exposures have been reported in Tipton and Meibaum (1981) and Gudiksen et al. (1976).

For reference, the terrestrial food chain has been identified as the source of about 80% of the potential, total estimated dose. The external gamma-exposure pathway is the second largest contributor to the total dose; the marine-food-chain pathway, inhalation pathway, and cistern and ground water pathway contribute in a minor way to the total estimated dose.

Cesium-137, through the terrestrial food chain and external gamma exposure, accounts for more than 90% of the estimated 30-y integral effective dose; ^{90}Sr accounts for about 3 to 7% of the bone marrow and bone surface cells 30-y integral dose. The transuranic radionuclides contribute about 2% of the bone marrow 30-y integral dose and about 15 to 20% of the bone surface cell dose.

SOIL

Bikini Island, the major residence island at the Atoll, has the highest concentrations of ^{137}Cs in the soil and vegetation at the Atoll. All other

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islands have lesser concentrations of ^{137}Cs in the soil. The average ^{137}Cs concentration varies over a considerable range among the islands. The ^{137}Cs concentration in soil and vegetation on Eneu Island, the other major residence island, is about 10 to 13% that of Bikini Island. Nam, one of two other islands large enough to be potential residence islands, has a ^{137}Cs concentration in soil about 70% that of Bikini Island; the ^{137}Cs concentration in soil at Enidrik, the other large island, is about 15% that of Bikini Island.

The transuranic radionuclide concentrations, and their ratios to ^{137}Cs and ^{90}Sr, vary around the atoll reflecting the difference in the design of the devices employed for shots near the various islands. For the other two islands large enough to support residence, the transuranic radionuclide concentrations in the soil on Nam exceed those on Bikini Island, while those on Enidrik are somewhat less than those on Bikini Island.

The radionuclide concentration decreases exponentially with depth in the soil column, with concentrations significantly higher in the surface than at depth. There are, of course, exceptions in various regions of some of the islands. The rate of change with depth does vary depending on past events. For example, on Eneu Island the distribution of ^{90}Sr, $^{239+240}Pu$, and ^{241}Am is constant to a depth of 40 cm reflecting some past history where the top portion of the soil column apparently was mixed. The island was used as the major residence island for a few thousand personnel during the test program and also for personnel during the 1968 to 1971 cleanup project. Furthermore, only a few soil profiles were collected on most islands and, for the most part, the profiles are insufficient in number and not adequately distributed to determine the actual radionuclide distribution with depth. However, on islands where surface soils have been relatively undisturbed after contamination, the general distribution pattern for all radionuclides is exponential with depth in the soil column, with concentrations being much higher in the surface horizons (Robison et al., 1982a).

VEGETATION

There is a direct correlation at the Atoll between the concentration of a radionuclide in the soil and the concentration of that radionuclide in plants. Thus, although radionuclide data are not available from other islands because edible food crops were unavailable on most islands and scrub

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vegetation was not collected, the relative difference in radionuclide concentration in soil at an island will reflect the relative difference expected in the radionuclide concentrations in vegetation from that island.

Concentrations of radionuclides in vegetation may depend on the radionuclides' distribution with depth in the soil column. We are currently trying to evaluate this dependence. The low uptake of ^{90}Sr, the very low uptake of transuranic radionuclides by plants, and the general binding of these radionuclides, especially ^{90}Sr, by the soil matrix, makes them less mobile than ^{137}Cs. Thus, once Sr, Pu, and Am are mixed to a depth of 40 cm, as has happened at both Bikini and Eneu Islands to varying degrees, the redistribution to the surface and also down the soil column is a much slower process than is the case for ^{137}Cs. The ^{137}Cs is distributed in a more exponential manner on Eneu Island because of the biological availability of ^{137}Cs in coral soil and, thus, its uptake by plants. Because of its mobility in the Atoll ecosystem, ^{137}Cs is brought to the surface by the process of uptake into plants and subsequent litter fall and is subsequently redistributed down the soil column by rainfall and other environmental processes.

CONCENTRATION RATIO

Almost all plants at the Atoll take up ^{137}Cs from the soil. The Atoll soils are, in general, low in available K; thus, ^{137}Cs is readily accumulated in the plants as an analog for needed K. Most of the plants concentrate ^{137}Cs at a level proportional to the concentration of ^{137}Cs in the soil. This accumulation of ^{137}Cs has been represented in terms of a concentration ratio, C.R. This ratio is almost always greater than 1 for ^{137}Cs, as is shown in Table 32. Most of the edible foods have C.R.s greater than 2 for ^{137}Cs. However, the C.R. for ^{90}Sr is almost always less than 0.01, and for $^{239+240}Pu$ and ^{241}Am less than 0.0001, indicating a discrimination against these radionuclides in the edible portion of food crops. The source of ^{90}Sr, $^{239+240}Pu$, and ^{241}Am in food crops is definitely root absorption. All of the edible portion of the food crops that we evaluate at the Atoll are covered by at least one, if not several, layers of thick, protective skin or husks; when these layers are peeled away, there is very little chance that resuspended material is included in the sample. In addition, our resuspension studies at

the Atoll have shown that there is essentially no resuspended material at 10' to 50' in height, where most of these food samples are collected (Shinn et al., 1980). Thus, uptake via leaf absorption is highly unlikely.

The structure of the coral soil provides a very large sink in which the ^{90}Sr can be immobilized. Coral soil is composed primarily of $CaCO_3$ in which ^{90}Sr is able to replace Ca in the crystal structure. As a result, a large fraction of the ^{90}Sr is unavailable for dissolution in the soil solution or for absorption by plants. Moreover, plants in general tend to accumulate Ca in the leafy portion of the plants to a greater degree than they do in the edible fruit. The plants at the Atoll also tend to have higher ^{90}Sr concentrations in the leaf portion of the plants than in the fruits.

As a result of these unique features of coral soil, the relative availability of ^{137}Cs and ^{90}Sr is the reverse of the availability in aluminum silicate clay soils common in the U.S., Canada, and Europe and reported in most of the literature (Ng et al., 1982; Cline and Rickard, 1972). In silicate soils, especially when the organic content is low, the ^{137}Cs is found in the clay matrix and is relatively unavailable to plants (Barber, 1964; Kaddah, 1968; Kühn et al., 1984; Menzel, 1965; Fredriksson, 1963; Fredriksson et al., 1958, 1966; D'Souza et al., 1972, 1980; Tamura and Jacobs, 1960). In contrast, the ^{137}Cs is mobile and relatively available in coral soils. Correspondingly, ^{90}Sr is relatively available in silicate-type soils but is bound in the carbonate matrix and is relatively unavailable to plants in coral soils. This information has important ramifications, if radionuclide concentrations in soil are to be used to estimate the concentration of the radionuclide in edible foods for radiological dose assessment. If C.R.s based on silicate soils were used for such a purpose, the estimated ^{137}Cs concentration in plants at coral islands would be in serious error and would underestimate the potential effective dose to people residing on an island, and the concentration of ^{90}Sr would be greatly overestimated and its contribution to the bone marrow dose would be exaggerated.

The transfer of Pu and Am from the coral soil to plants is very low, similar to that observed in other soil systems. The C.R. for Pu and Am ranges between 10^{-4} and 10^{-5}.

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ANIMALS AND FOWL

The concentration of radionuclides in pigs and chickens at the Atoll is dependent on how long the animals were on a specific island and whether or not they were penned or unpenned. The penned pigs were fed more table scraps, much of which originated in imported foods, and thus have a lower radionuclide concentration in their bodies than pigs that were unpenned, free roaming, and consuming more native foods, such as coconut, crabs, morning glory vine, and other vegetation. Not surprisingly, the ^{137}Cs and ^{90}Sr concentration in pigs can vary considerably depending on how they are kept.

Although the pigs can have a significant concentration of ^{137}Cs in their soft tissue, locally raised pigs are consumed only on special occasions. Consequently, the average annual intake of locally raised pork is low and overall contributes in a small way to the estimated dose. As the ^{137}Cs concentration is reduced in the local vegetation, the ^{137}Cs concentration in pigs and chickens will also be expected to decline.

GROUND WATER AND RAINFALL

The major source of water for consumption and cooking purposes at the Atoll is rainwater collected from rooftops and stored in cisterns. This source of water is generally available a good portion of the year and has very low concentrations of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am (Noshkin et al., 1977, 1981). If a long drought occurs, then ground water may be used if it is potable.

The ground water on contaminated islands contains radionuclides in direct proportion to the concentration of the radionuclides in the soil. The higher the concentration of radionuclides in the soil, the higher will be their concentration in the ground water.

The concentrations of ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am in the ground water on Eneu Island are well below EPA recommended limits for drinking water, and the ground water is a suitable source of drinking water. In addition, because of the geologic structure of Eneu Island and the runoff from the runway and apron, there is a large supply of very high quality fresh water; the measured salinities are less than 100 ppm.

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On Bikini Island, however, the radionuclide concentrations for ^{137}Cs and ^{90}Sr in ground water do exceed EPA recommended guidelines for drinking water. Although the radionuclide concentrations exceed the EPA guidelines for drinking water, the ground water does not provide a source of usable water in any case because it is too saline to be potable.

We have taken groundwater samples at each of the next two largest islands, Nam and Enidrik, and, in both cases, the ground water is very saline and unpotable.

In our study of Bikini Island, we have observed that since 1975 there has been a decrease in the ^{137}Cs concentrations in the ground water and an increase in the salinity. We attribute this to the continued growth and development of the root system of the thousands of coconut trees planted on a 30'-grid across the island in 1970 and 1971. The island had been cleared before the start of the agriculture program and from 1971 through 1975 the trees were very small with rather small root systems. The trees grew to significant height from 1975 to 1987, with a corresponding increase in the root zone; now, the top 40 cm of soil has a high density of coconut roots. At the same time that the coconuts started reaching maturity, a dense undergrowth of native vegetation was reestablished under the coconut canopy, also with a corresponding increase in root mass.

As a result of the maturation of the coconut trees and native vegetation, more and more of the annual rainfall is required for evapotranspiration by the plants; consequently, less and less of the annual rainfall percolates downward through the soil column to reach the ground water. In fact, we estimate the annual water requirement of the current stand of vegetation on the island to be 40 to 50 inches, or essentially equal to the average annual rainfall.

The ^{137}Cs and ^{90}Sr reach the ground water by being dissolved in the soil water and carried into the lens when there is adequate rainfall to recharge the lens, i.e., to provide a flow of water down the entire length of the soil column into the groundwater lens. As a result of the increased water requirement of the growing vegetation and the resulting reduction of water flow to the lens, the amount of ^{137}Cs transported to the lens has been less and the ^{137}Cs concentration has been reduced.

At the same time, the lack of, or reduced, flow of fresh water from the annual rainfall inventory to the lens has created a situation, over the past several years, where the salinity of the lens has increased. Only on Eneu

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Island, where there is increased runoff and recharge from large runway and tarmac surface areas devoid of vegetation, does the lens water remain fresh. Thus, the amount of potable ground water is not only dependent on the geology of the island and the amount of annual rainfall, but also the density of vegetation on the island.

With the current stand of vegetation on Bikini Island, a very heavy rainfall, or lighter rainfall occurring with short time intervals between rainfall episodes, is required to produce a flow through to the lens. The total annual rainfall and the rate at which it is delivered is very important to the level of recharge of the lens in a given year. For example, the rainfall of 77 inches in 1986 was the highest in several years and the groundwater salinity decreased as a result; however, the salinities in the various wells were still, for the most part, high enough to render the water unpotable.

REMEDIAL MEASURES

Based on the current concentrations of ^{137}Cs in vegetation and soil on Bikini Island and our current diet model, it will take about 80 to 90 y for radiological decay of ^{137}Cs to reduce the ^{137}Cs concentrations to a level that the estimated radiological dose to residents from all exposure pathways would be below current Federal guidelines.

As a result, we have been evaluating several potential methods for reducing the amount of ^{137}Cs in the soil column and/or blocking the transfer of ^{137}Cs from soil to plants. In general terms, the methods can be classified as follows:

1. Excavation.
2. Chemical competition.
3. Matrix immobilization.
4. Repeated cropping of vegetation.

Some of these options have been evaluated and rejected. For example, repeated cropping of vegetation that contains ^{137}Cs, and its subsequent disposal, to reduce the ^{137}Cs content of the soil is not a reasonable solution. The limited fresh water supply at the Atoll eliminates any consideration of irrigation on an island-wide basis, thus limiting the choice

of vegetation to be cropped to natural island vegetation that can grow in one year during the rainy season. Considering one annual crop of vegetation, the observed C.R. of about 3 or 4, and the maximum density of vegetation growth of about 1.5 to 2 kg/m^2-y, repeated annual cropping would only reduce the time required to reach current Federal guidelines for ^{137}Cs in the soil column from 90 y to 75 y. This is not an efficient method for reducing the dose in view of the extraordinary effort and commitment required to debrush the island and dispose of the material on an annual basis for the next several decades.

Matrix immobilization has been evaluated using mica and a zeolite (clinoptilolite). These materials sequester or bind ^{137}Cs in their structural matrices. We have observed a reduced uptake of ^{137}Cs in plants grown with these materials added to the soil. However, the application and mixing of these materials in the soil with the massive surface roots from coconut, breadfruit, *Pandanus* trees, and scrub vegetation is not practical. In addition, these materials bind the ^{137}Cs and keep it in the soil system and interfere with the natural flow mechanism for ^{137}Cs out of the soil column into the ground water. The clays and zeolites would also be totally foreign soils to the natural carbonate matrix of the Atoll ecosystem.

The two most reasonable alternatives are excavation and chemical competition. Excavation of the top 40 cm of the soil column is an effective way of removing ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, and ^{241}Am from the island. The major drawback to excavation is the tremendous environmental insult that results. The 30,000 mature coconut trees would have to be knocked down, along with the existing breadfruit, *Pandanus*, papaya trees, and all natural scrub vegetation, and disposed of along with the soil. Also, the top 40 cm of soil contains almost all of the organic and humic material in the soil column. The organic material supplies the majority of the water-retention capacity of the soil and most of its nutrient capacity. As a result of excavation, the island surface would be void of, or very limited in, organic matter and water-retention capacity, and would resemble the carbonate sands of the beach. Consequently, if this method were chosen, a long-term commitment would be required to rebuild the soil and revegetate the island (BARC, 1988). The length of time to rebuild the soil organic matter, which has taken decades or more to develop, is uncertain. Plants can be grown on the sandy soil devoid of organic material, but a long-term commitment of supplying required nutrients and water would be required.

The other option evaluated is that of chemical competition. We have established a series of experiments showing that K (potassium) added to the K-deficient coral soil is very effective in preventing the uptake of ^{137}Cs into food crops, including coconuts (BARC, 1988; Robison et al., 1988). Through the addition of K, the ^{137}Cs concentration can be reduced by more than 90%, so estimated doses at Bikini Island from all exposure pathways, including the terrestrial food chain, would be below the current Federal radiation guidelines. In addition, the added K increases the quality, growth rate, and productivity of the vegetation.

The major advantage of the chemical-competition alternative is that it eliminates the tremendous environmental insult inherent in the excavation option. The mature coconut trees and all other vegetation can be left in place. In addition, all the surface soil with organic matter is left in place. A perceived disadvantage is that although the ^{137}Cs can be reduced in food crops by adding K so that the total estimated doses are below 170 mrem/y, the ^{137}Cs and the ^{90}Sr, $^{239+240}Pu$, and ^{241}Am, are still present in the soil. The ^{137}Cs and ^{90}Sr will disappear due to radiological decay and environmental loss in about 90 y. The $^{239+240}Pu$ and ^{241}Am will of course be present for very long periods of time. However, the estimated doses from these radionuclides are very low, and the radionuclides will become less available as they move deeper in the soil column.

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APPENDIX A:

MAPS OF ISLANDS OF BIKINI ATOLL

Section B1
Section B2
Section B3
Sect
PROFILE A
PROFILE C
PROFILE D
PROFILE E
PROFILE I
PROFILE G
B20
B-4
B-21
B-45
B-44
B-82
TS0201
B-54
TS0081
PIT 5
PIT 6
PD 1
PD 2
B-47
B-46
TS0121
TS0131
B-16
HFH-5
B-152
HFH-3
B-3
B-22
HFH-2
B-11
B-9
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507
508
WELL PT.1
HFH-4
HSE 39

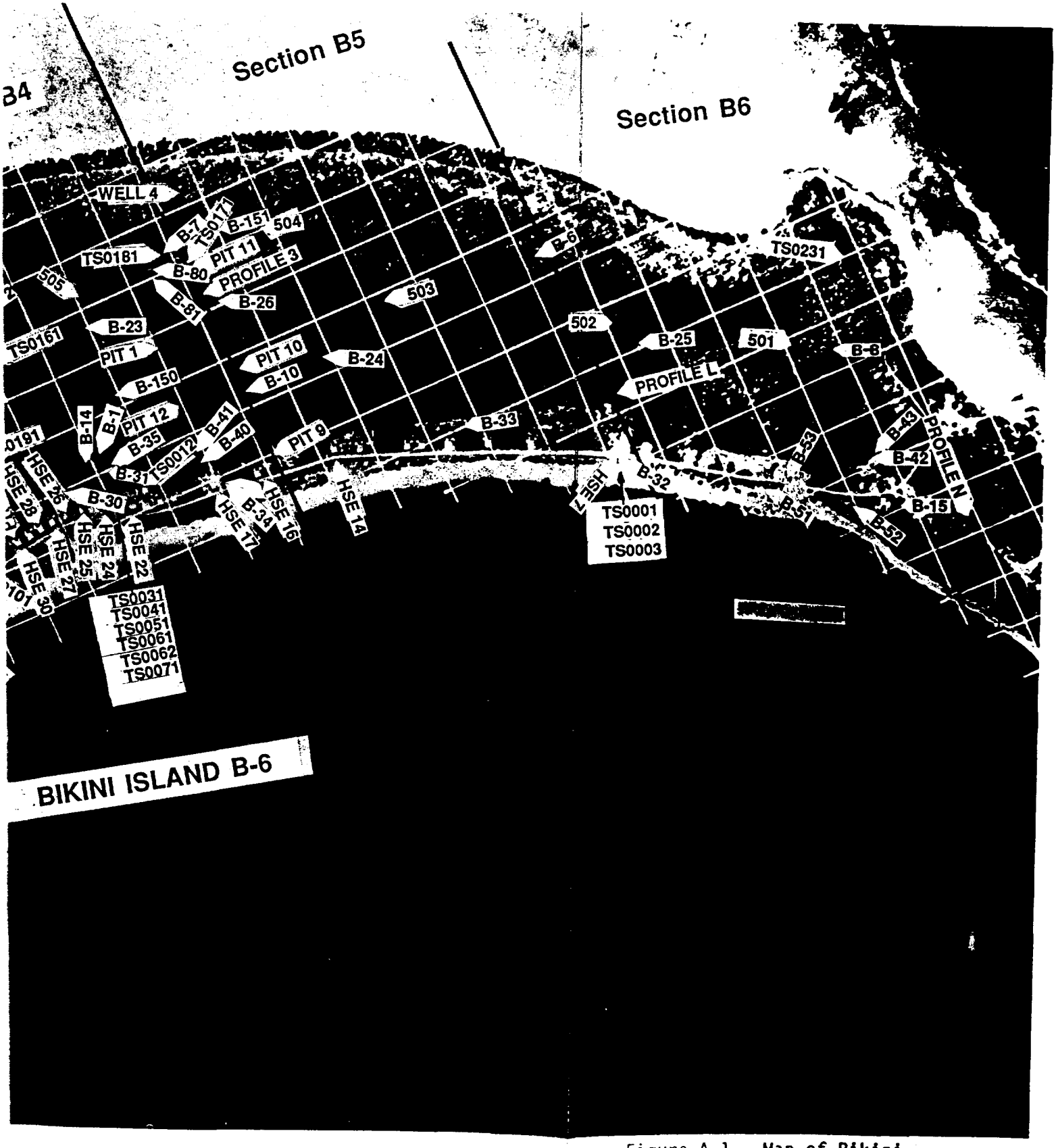

Figure A-1. Map of Bikini Island (B-6) showing sampling sites.


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TSO301
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Section E6
ENEU

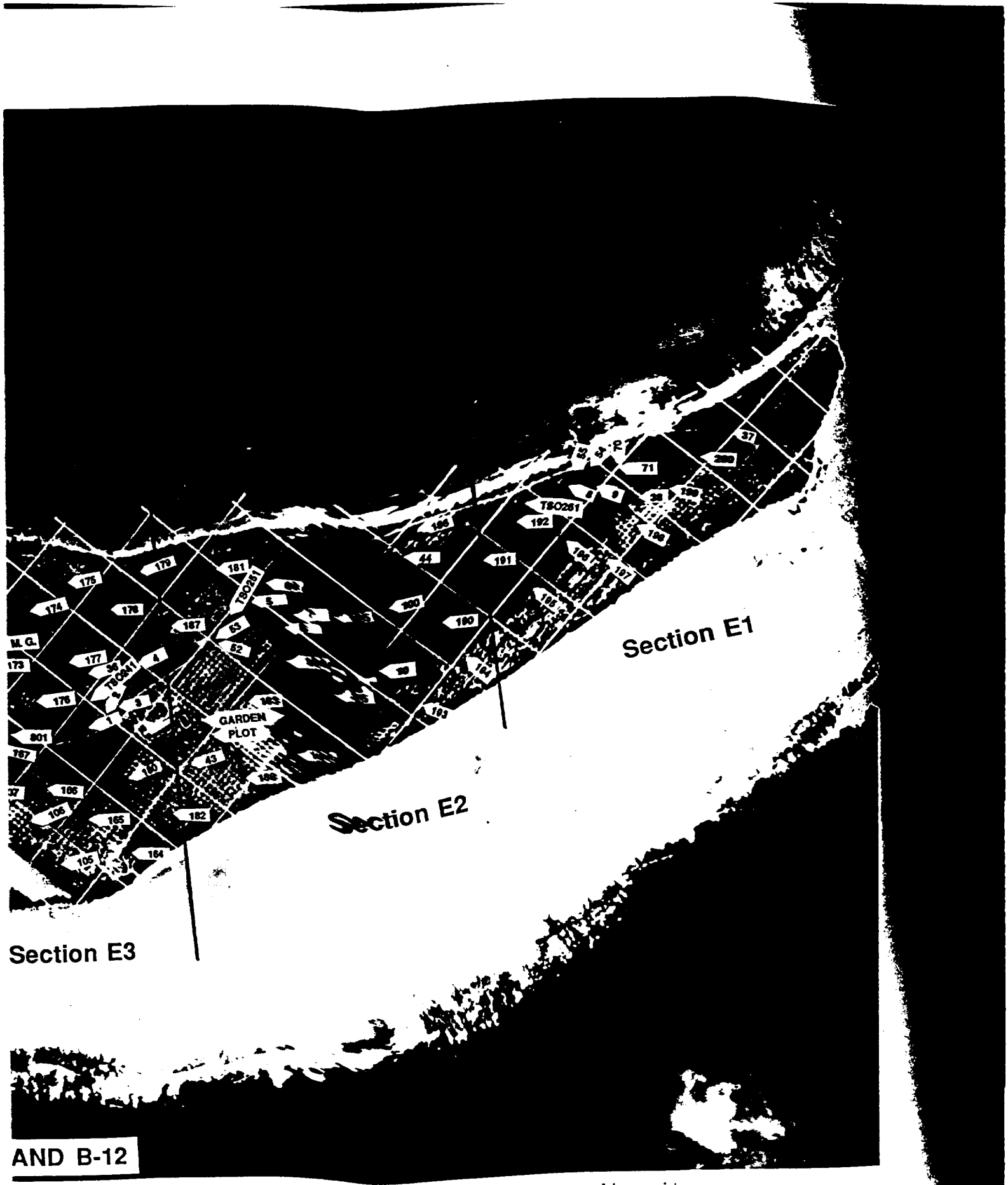

Figure A-2. Map of Ene[illegible] and (B-12) showing sampling sites.

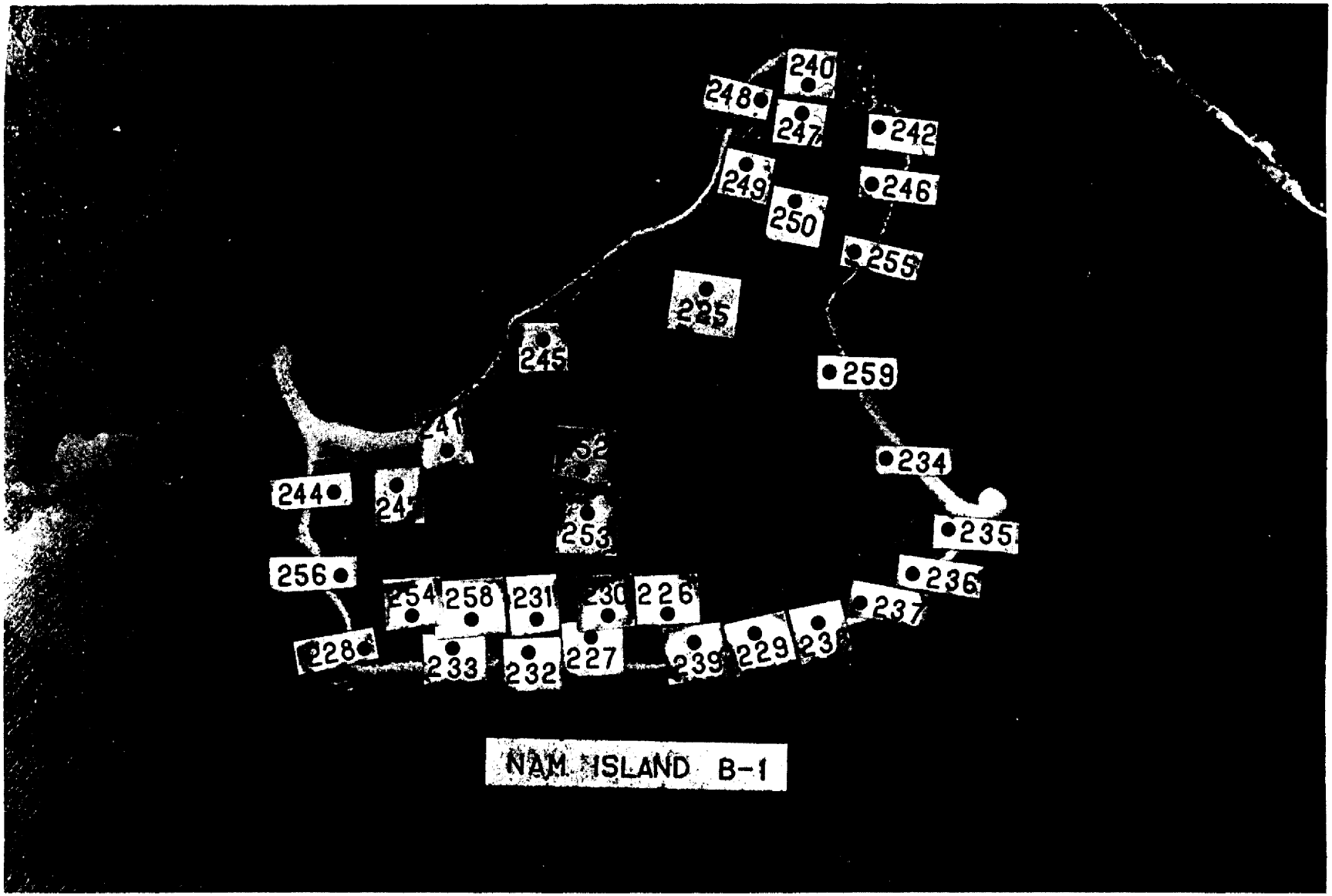

Figure A-3. Map of Nam Island (B-1) showing sampling sites.

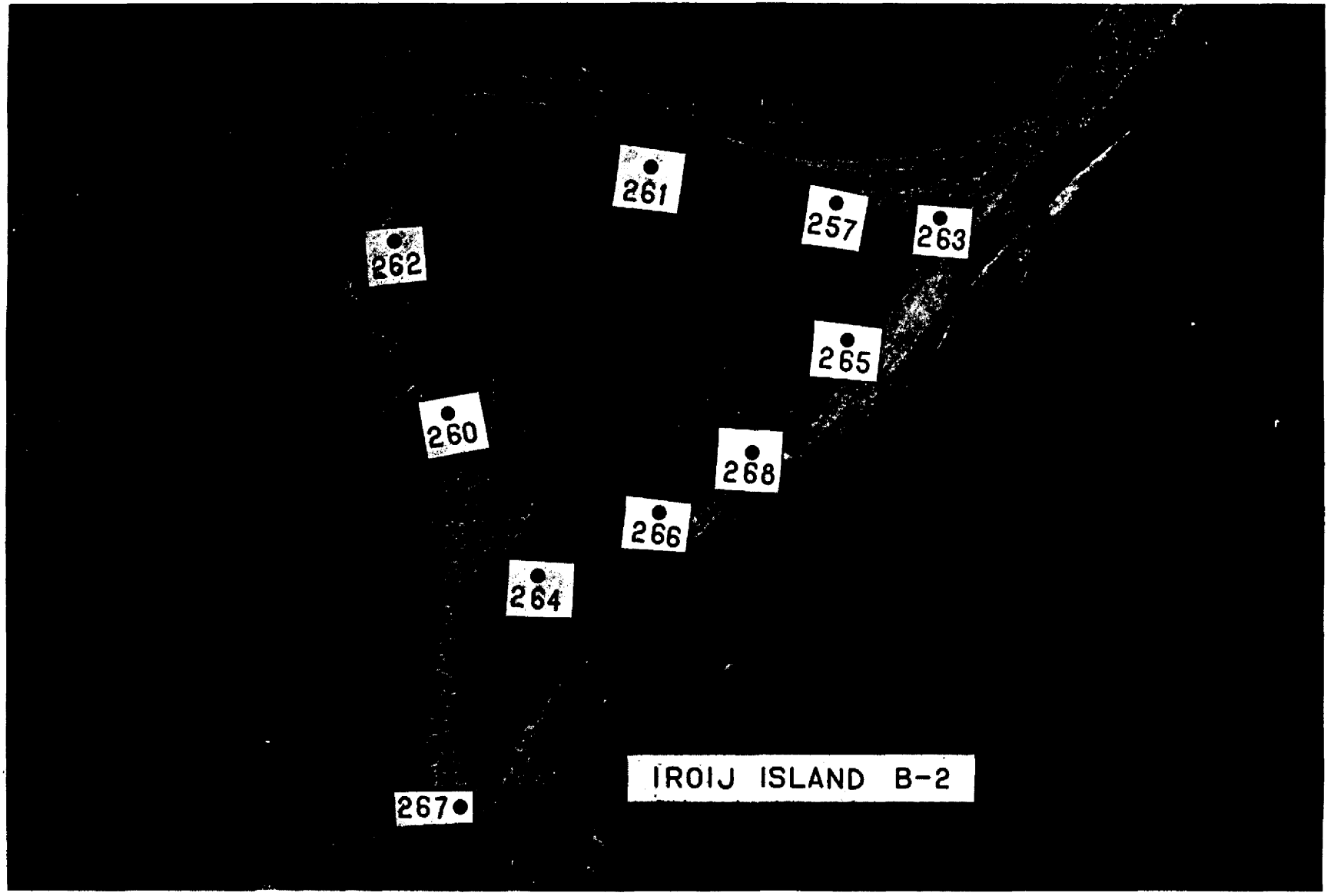

Figure A-4. Map of Irioj Island (B-2) showing sampling sites.

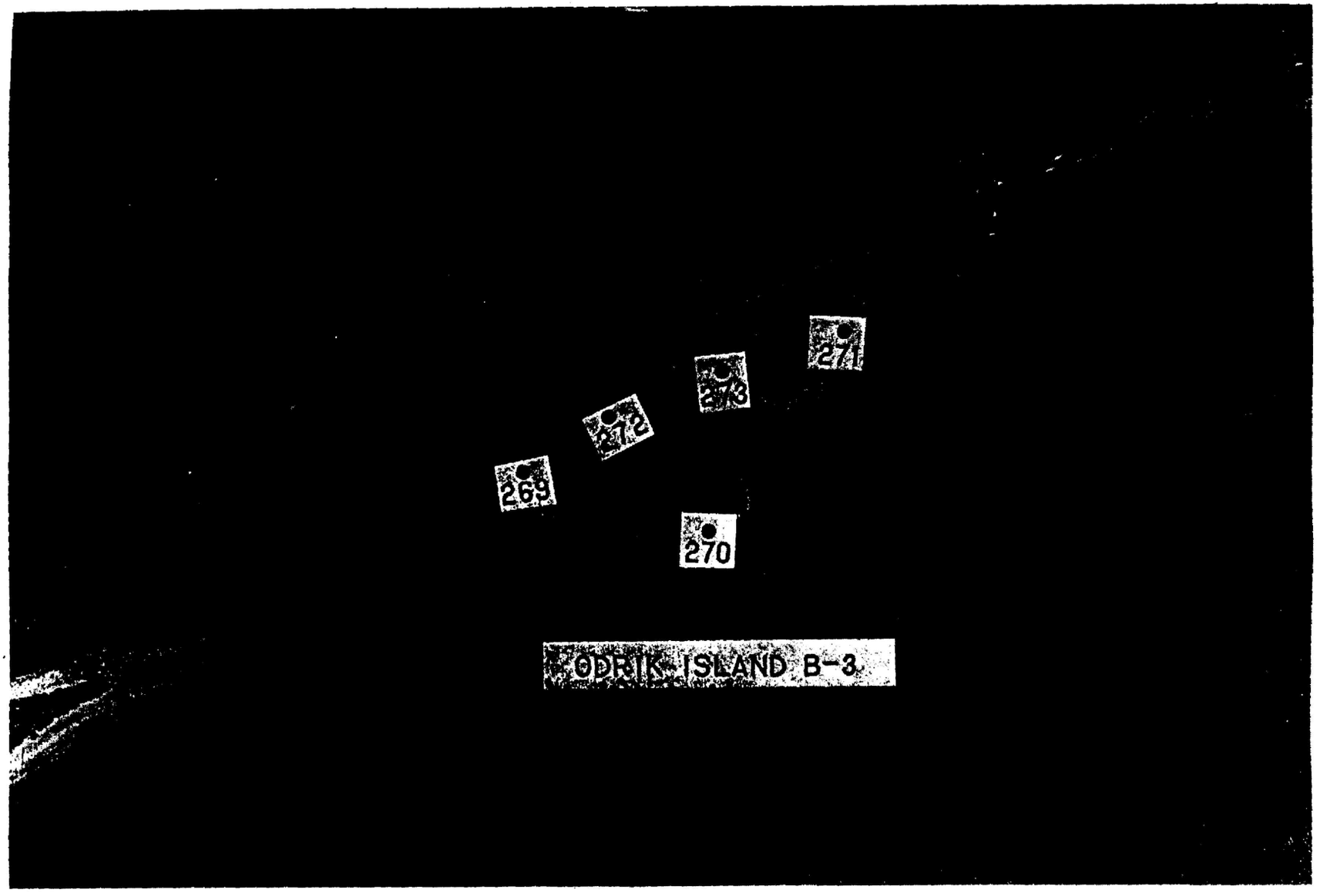

Figure A-5. Map of Odrik Island (B-3) showing sampling sites.

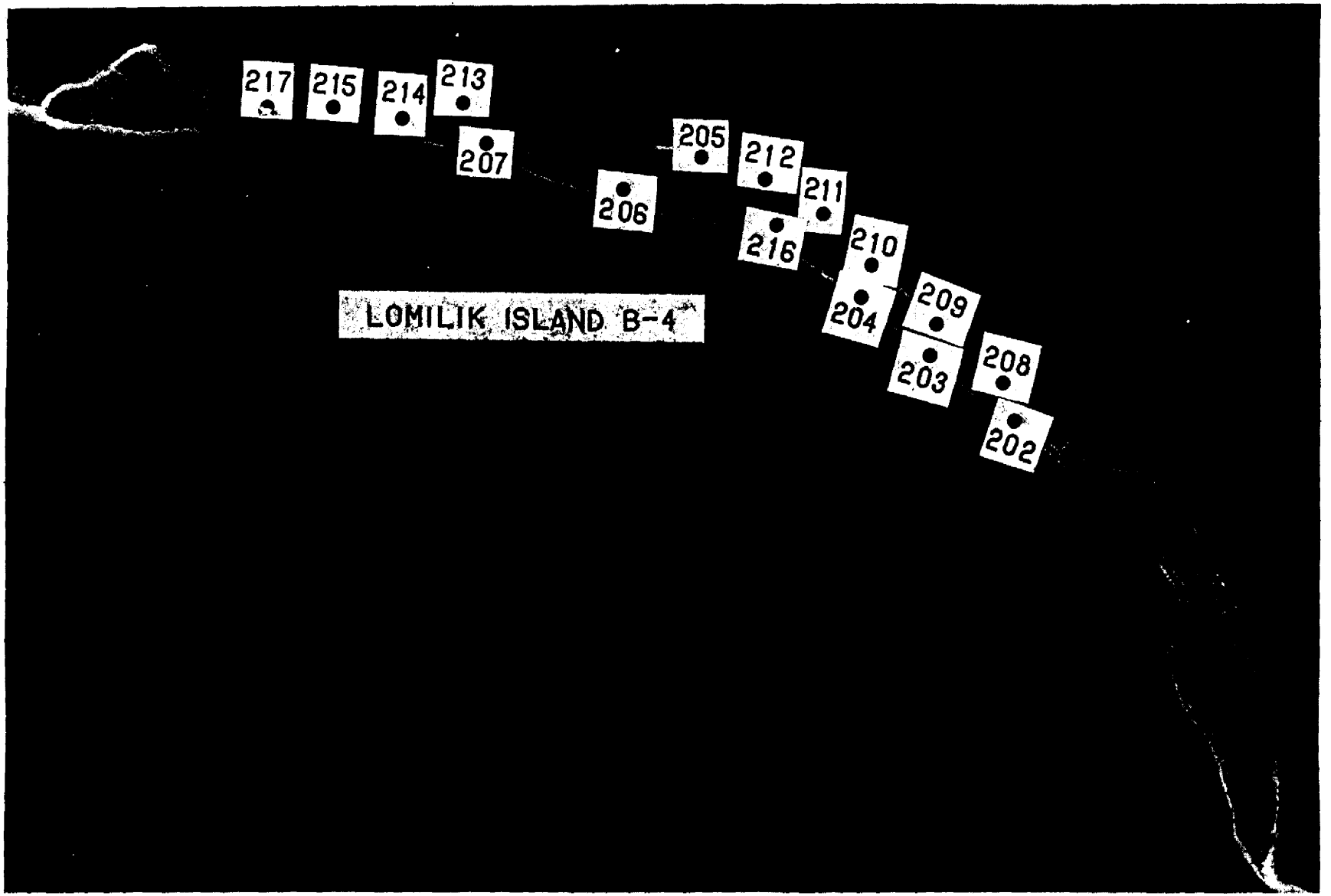

Figure A-6. Map of Lomilik Island (B-4) showing sampling sites.

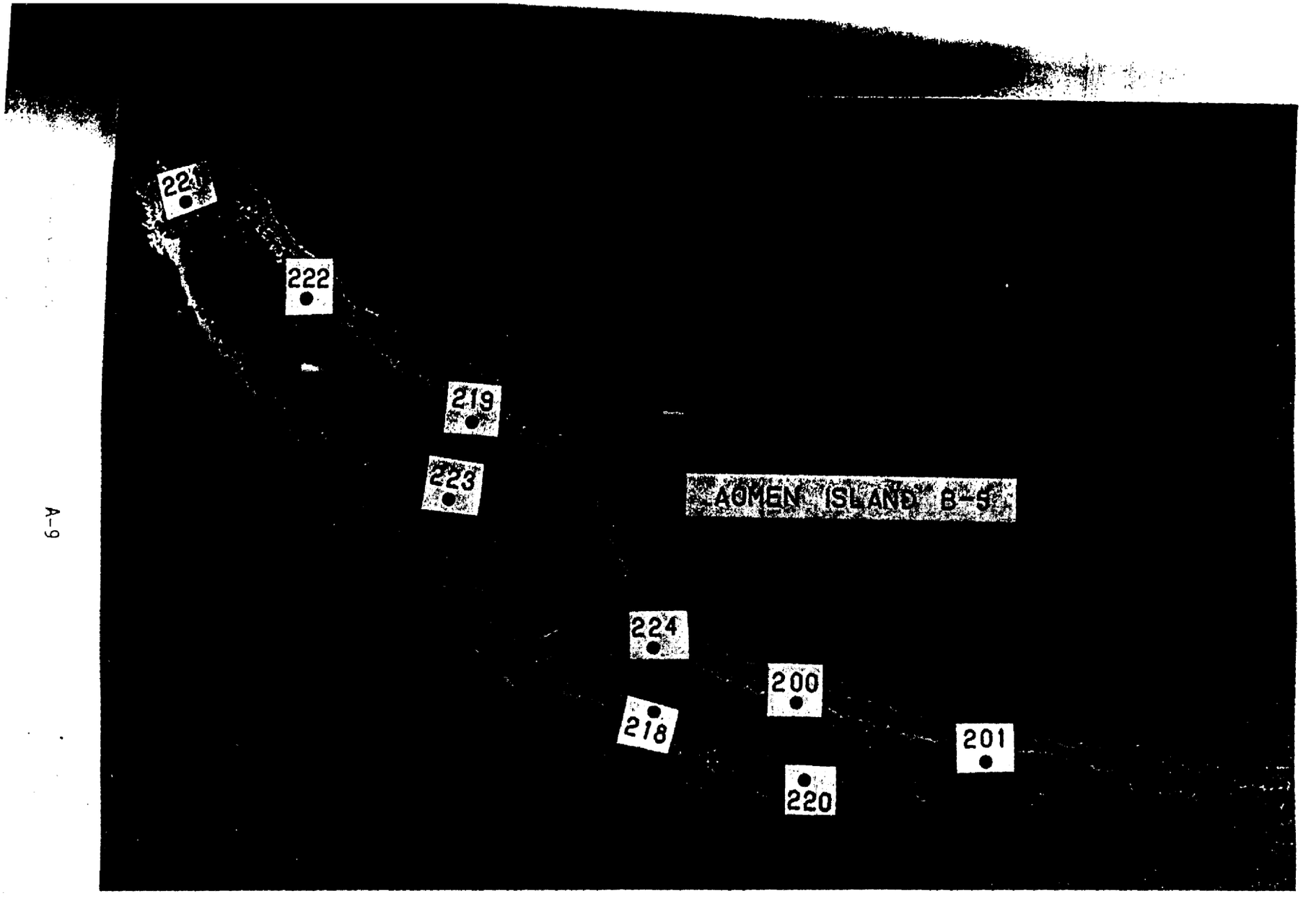

Figure A-7. Map of Aomen Island (B-5) showing sampling sites.

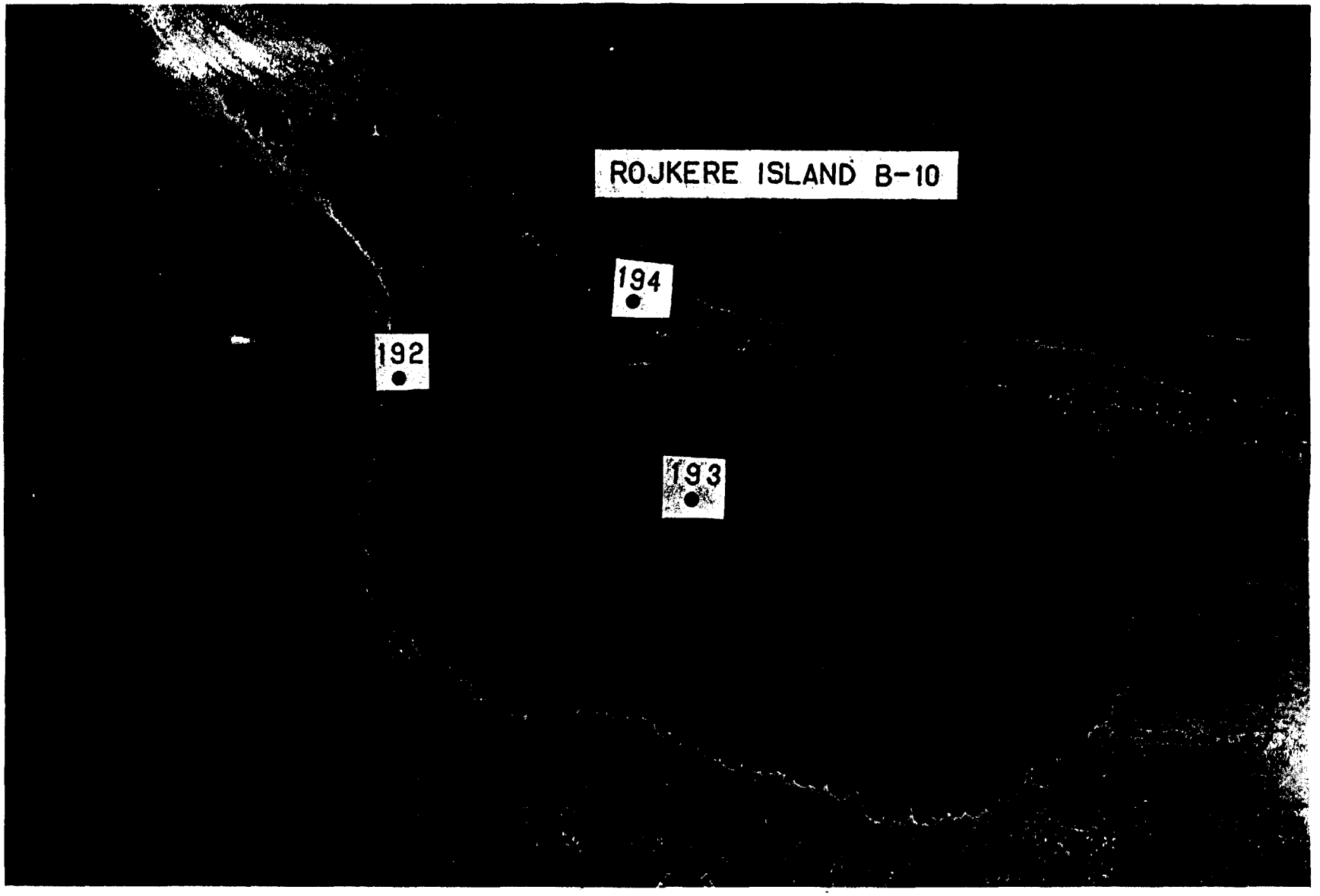

Figure A-8. Map of Rojkere Island (B-10) showing sampling sites.

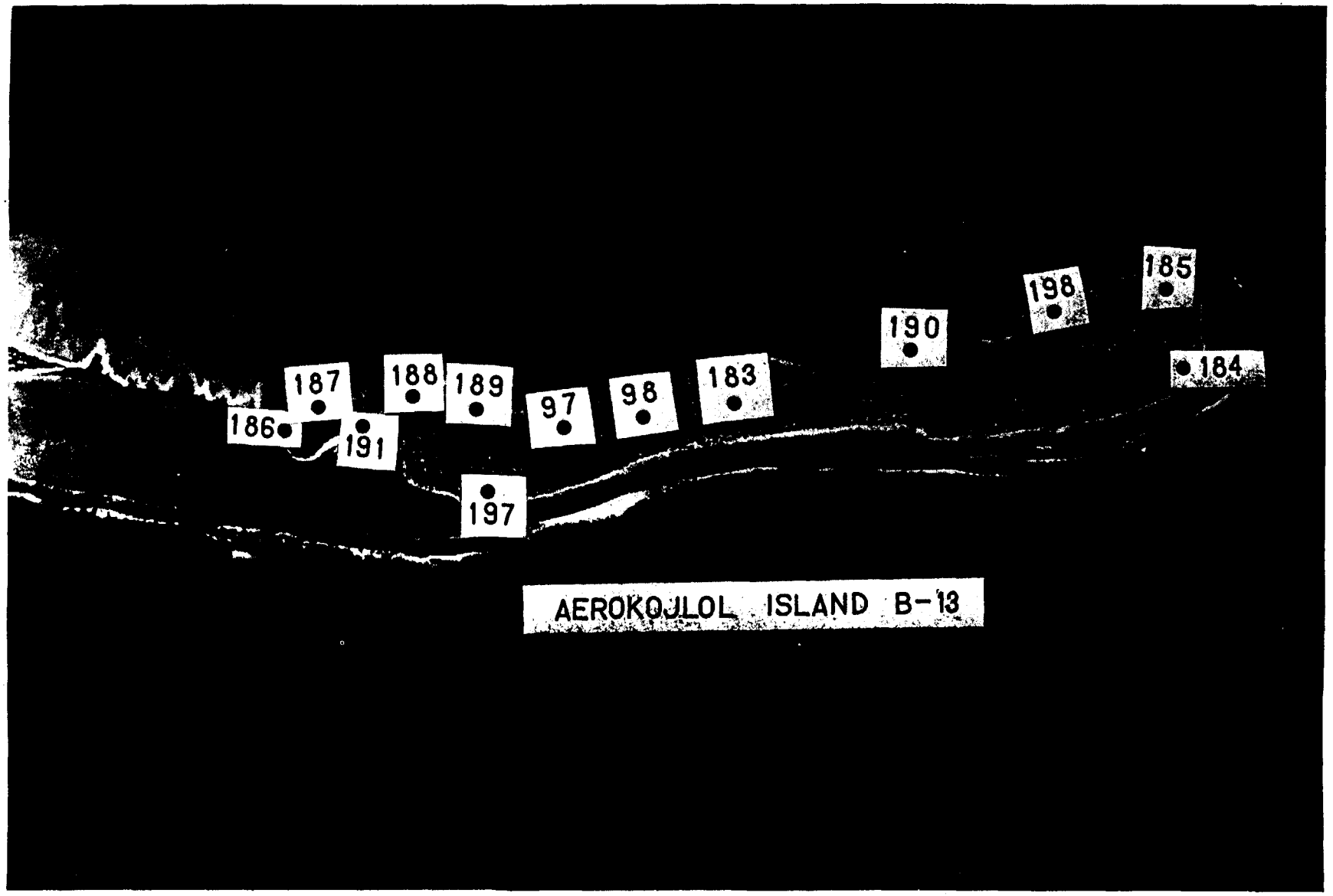

Figure A-9. Map of Aerokojlol Island (B-13) showing sampling sites.

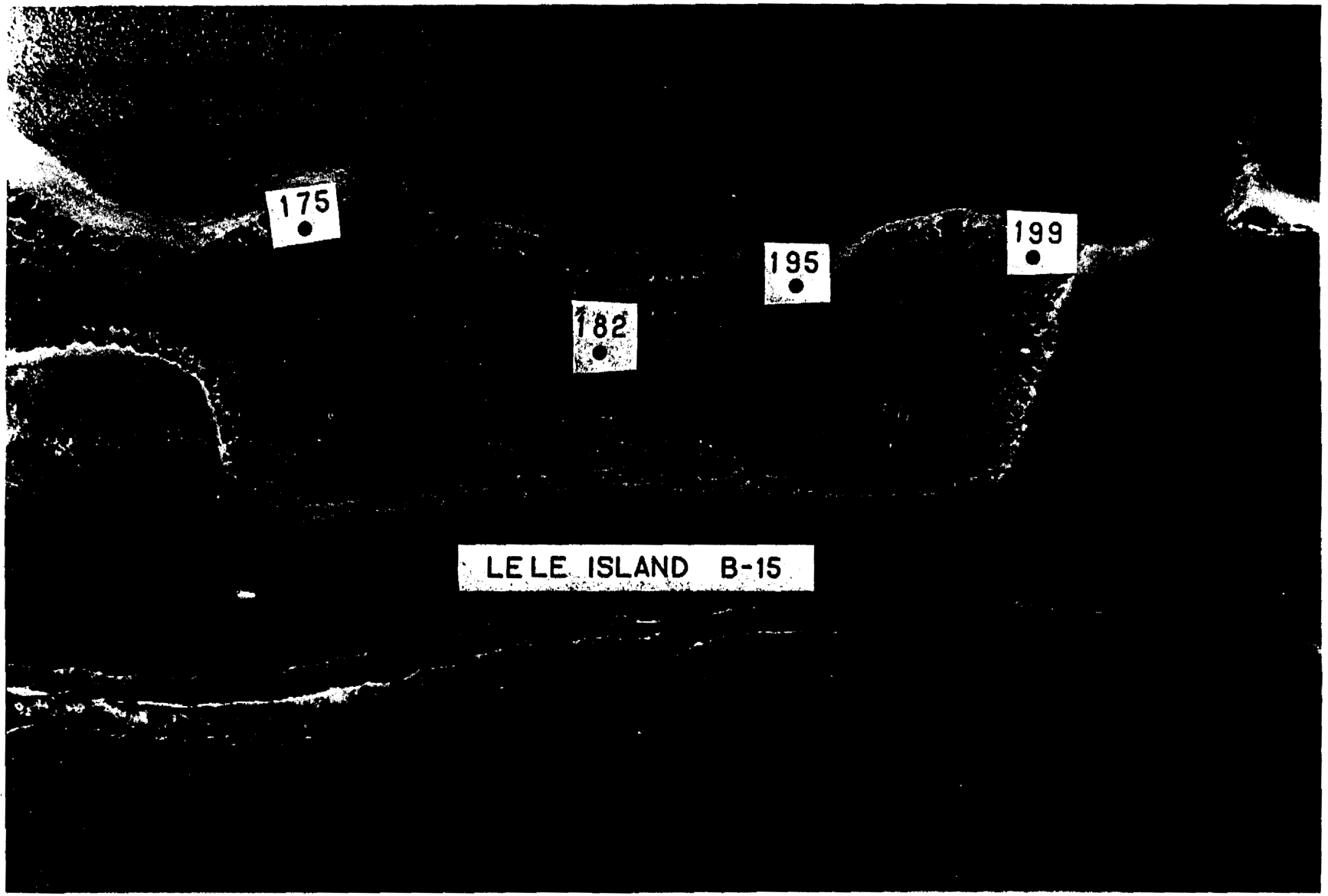

Figure A-10. Map of Lele Island (B-15) showing sampling sites.

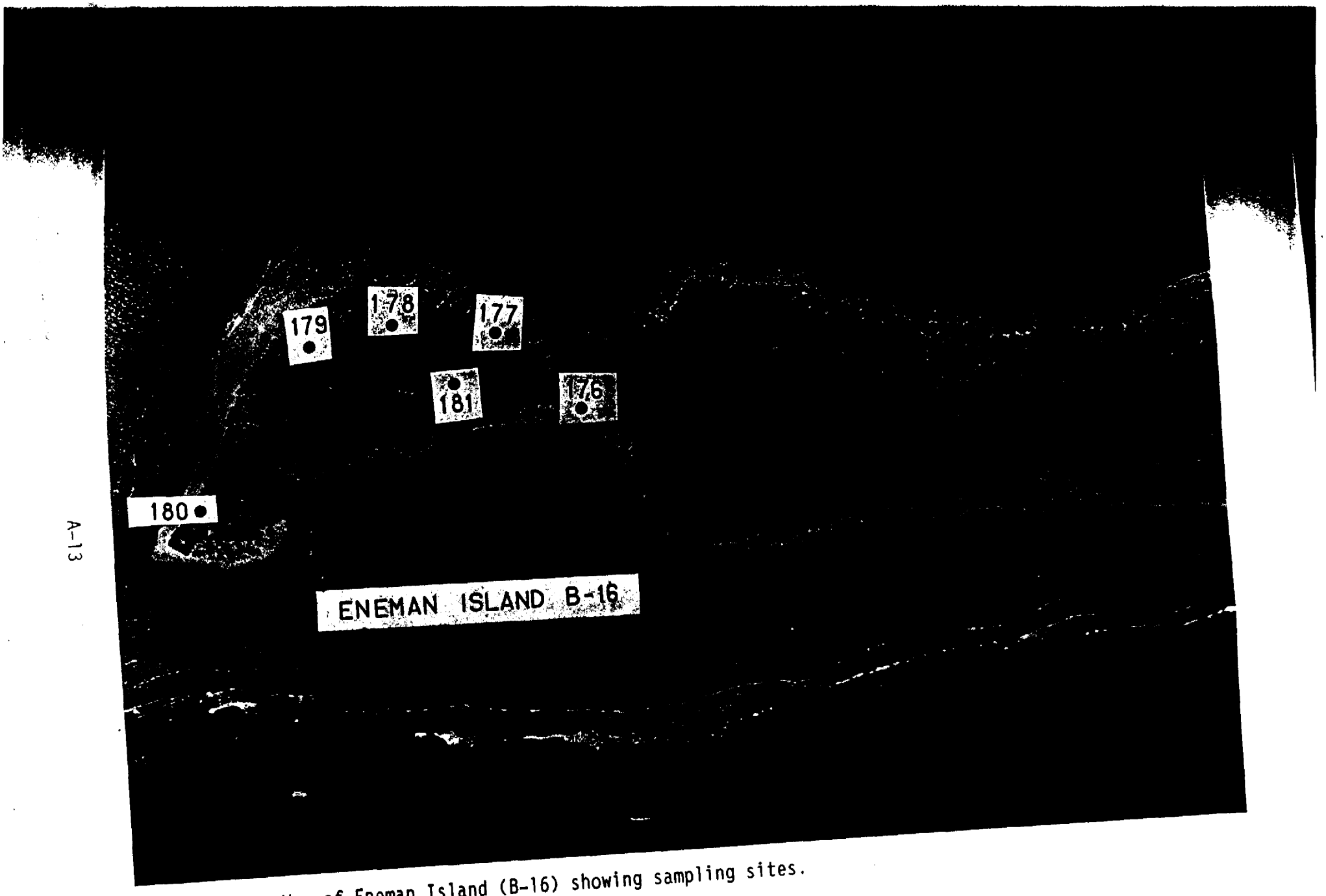

Figure A-11. Map of Eneman Island (B-16) showing sampling sites.

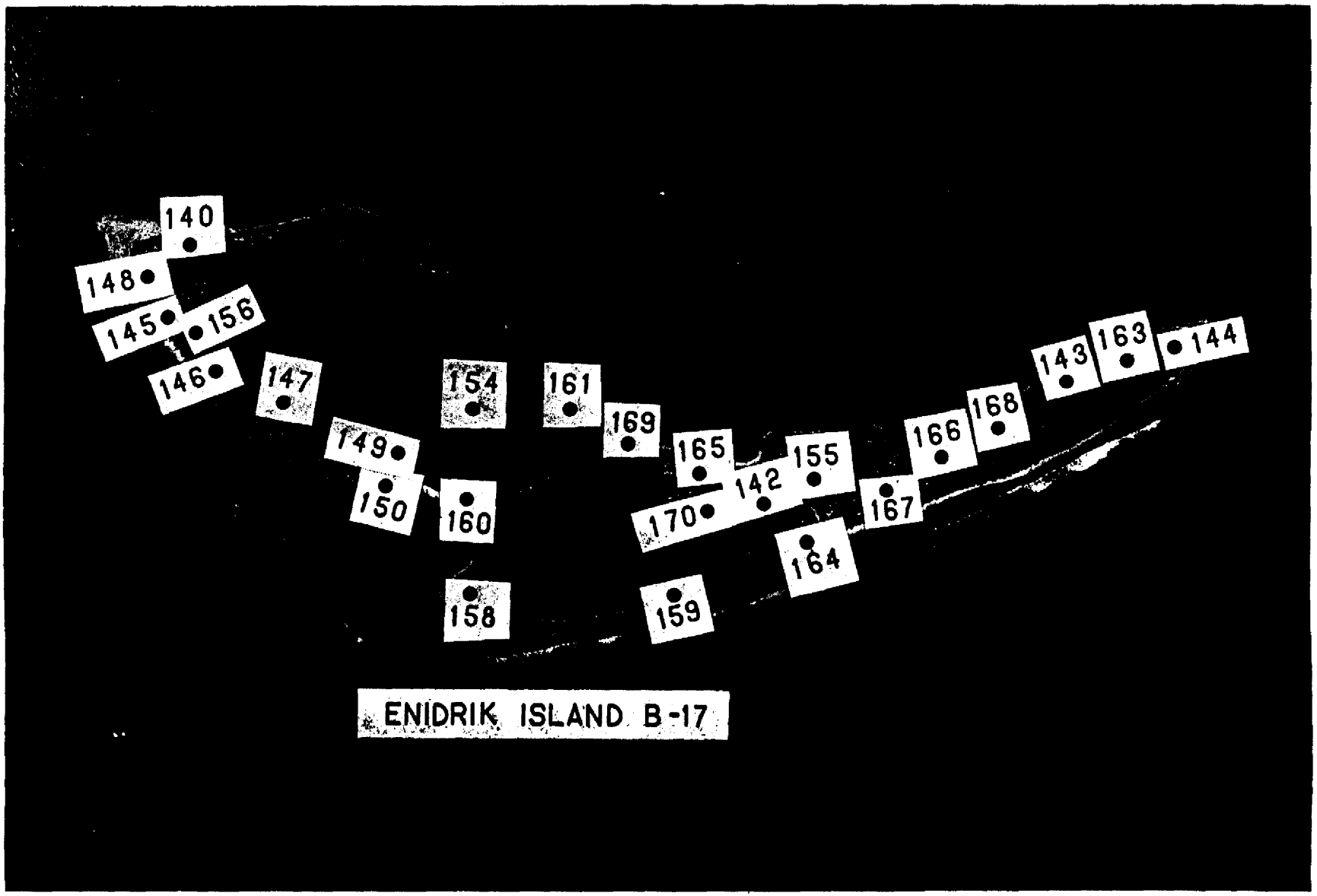

Figure A-12. Map of Enidrik Island (B-17) showing sampling sites.

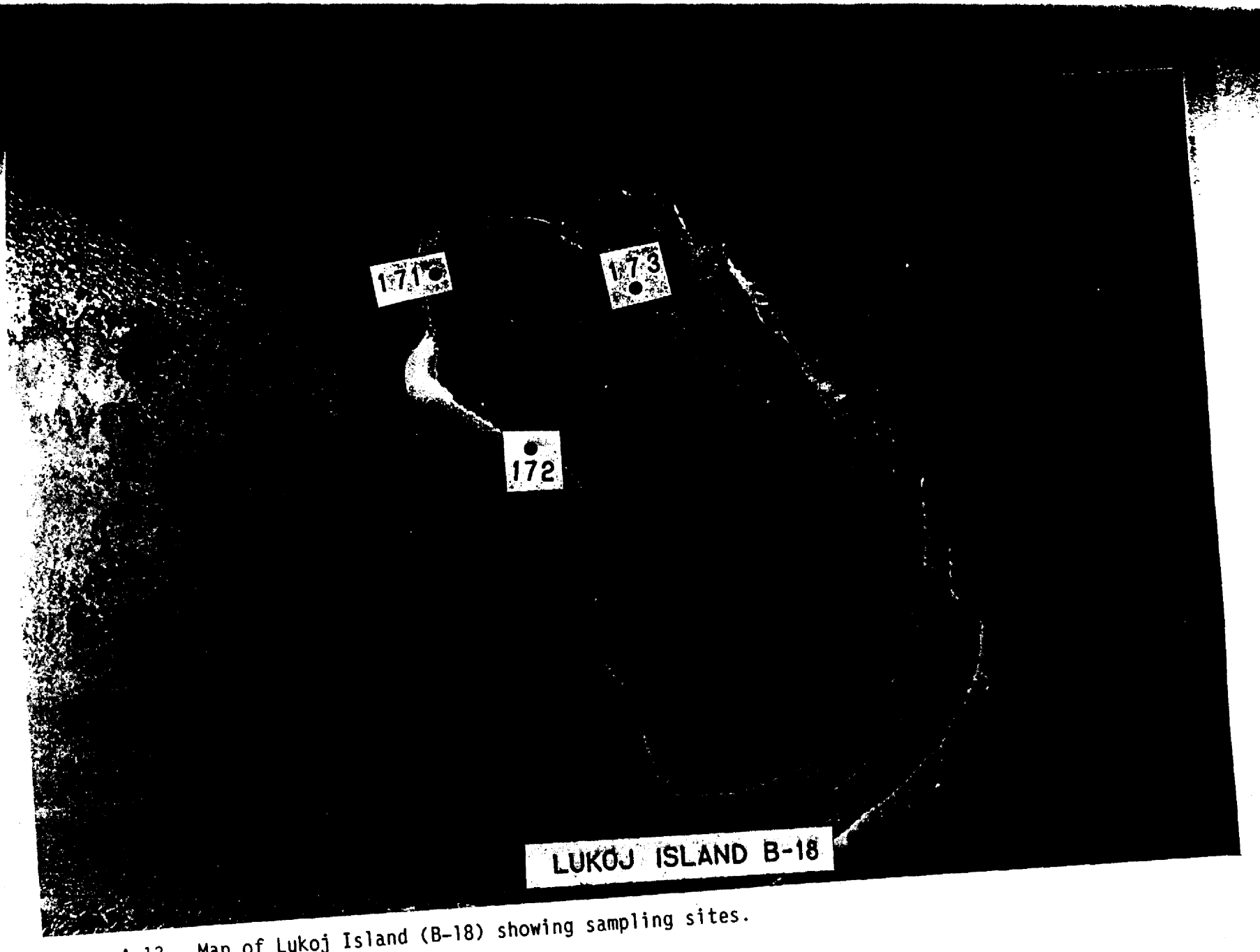

Figure A-13. Map of Lukoj Island (B-18) showing sampling sites.

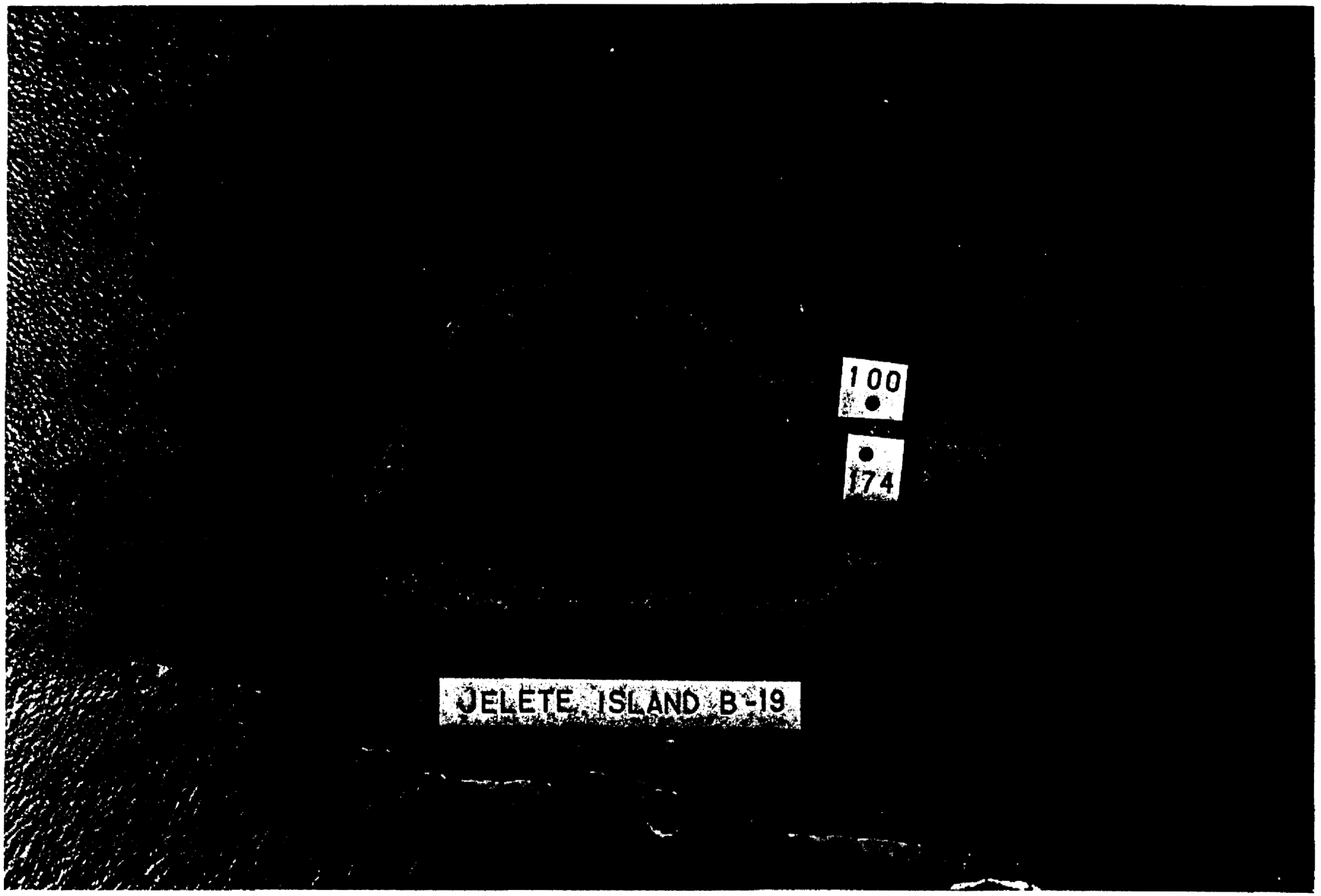

Figure A-14. Map of Jelete Island (B-19) showing sampling sites.

APPENDIX B:

COMPARISONS OF RESULTS FROM THE 1978 AERIAL SURVEY AND THE TERRESTRIAL SURVEY FOR ^{137}Cs IN SURFACE SOILS FROM BIKINI ATOLL

Table B-1. Comparison of results from the 1978 Aerial Survey and Terrestria Survey for ^{137}Cs specific activities in surface soils on Nam Island (B-1).

Field log number	B-1 location	EG&G contour label[a]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
4225-30	Site 240	K	30-40	64
4231-36	Site 242	J	20-30	33
4237-42	Site 255	K	30-40	3.8
4243-48	Site 246	J	20-30	78
4249-54	Site 247	K	30-40	66
4255-60	Site 248	F	3.3-6.0	3.1
4261-66	Site 249	K	30-40	31
4267-72	Site 250	M	60-80	71
4148-53	Site 259	J	20-30	29
4154-59	Site 234	H	8.0-14	9.9
4160-65	Site 235	D	1.1-2.0	1.5
4166-71	Site 236	D	1.1-2.0	0.73
4178-83	Site 238	E	2.0-3.3	1.8
4184-89	Site 229	E	2.0-3.3	5.0
4190-94	Site 239	E	2.0-3.3	1.5
4172-77	Site 237	E	2.0-3.3	2.9
4015-20	Site 226	G	6.0-8.0	10
4021-26	Site 230	G	6.0-8.0	5.0
4027-32	Site 227	F	3.3-6.0	1.6
4033-38	Site 231	H	8.0-14	12
4039-44	Site 232	E	2.0-3.3	4.0
4045-50	Site 258	G	6.0-8.0	5.2
4051-56	Site 233	E	2.0-3.3	0.41
4057-62	Site 228	F	3.3-6.0	1.5
4314-19	Site 244	D	1.1-2.0	0.67
4320-24	Site 243	H	8.0-14	33
4326-31	Site 241	H	8.0-14	11
4332-37	Site 245	L	40-60	150
4338-43	Site 252	K	30-40	31
4344-49	Site 253	J	20-30	16
4350-55	Site 254	H	8.0-14	4.5
4356-61	Site 256	E	2.0-3.3	0.31
4008-14	Site 225	M	60-80	52
Average				23

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-3.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-2. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Irol[illegible] Island (B-2).

Field log number	B-2 location	EG&G contour label[a]	^{137}Cs soil activity: 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity: 0-10 cm Terrestrial Survey (pCi/g)
3770-75	Site 265	C	0.5-1.1	0.64
3776-81	Site 266	D	1.1-2.0	1.0
3794-99	Site 268	B	0.2-0.5	0.24
3608-13	Site 261	D	1.1-2.0	1.2
3614-19	Site 262	G	6.0-8.0	15
3620-25	Site 260	G	6.0-8.0	17
3626-30	Site 263	B	0.2-0.5	0.20
3602-07	Site 257	C	0.5-1.1	0.23
3782-87	Site 264	D	1.1-2.0	1.2
3788-93	Site 267	C	0.5-1.1	0.68
Average				3.7

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-4.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-3. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Odrik Island (B-3).

Field log number	B-3 location	EG&G contour label[a]	^{137}Cs soil activity: 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity: 0-10 cm Terrestrial Survey (pCi/g)
3478-83	Site 269	B	0.2-0.5	0.56
3490-95	Site 270	B	0.2-0.5	0.39
3496-01	Site 273	C	0.5-1.1	1.0
3740-45	Site 271	D	1.1-2.0	1.4
3746-50	site 272	C	0.5-1.1	0.09
Average				0.68

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-5.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-4. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Lomilik Island (B-4).

Field log number	B-4 location	EG&G contour label[a]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
3442-47	Site 202	C	0.5-1.1	0.80
3448-53	Site 203	C	0.5-1.1	0.81
3454-59	Site 204	D	1.1-2.0	1.1
3460-65	Site 205	D	1.1-2.0	1.0
3466-71	Site 206	F	3.3-6.0	6.7
3472-77	Site 207	E	2.0-3.3	1.1
3580-85	Site 208	C	0.5-1.1	1.4
3586-89	Site 209	C	0.5-1.1	1.8
3592-97	Site 210	B	0.2-0.5	0.29
3598-03	Site 211	F	3.3-6.0	8.3
3704-09	Site 212	F	3.3-6.0	3.8
3710-15	Site 216	J	20-30	34
3716-21	Site 213	C	0.5-1.1	12
3722-27	Site 214	C	0.5-1.1	1.3
3728-33	Site 215	C	0.5-1.1	9.7
3734-39	Site 217	--	----	3.7
Average				5.5

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-6.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-5. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Aomen Island (B-5).

Field log number	B-5 location	EG&G contour label[a]	^{137}Cs soil activity: 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity: 0-10 cm Terrestrial Survey (pCi/g)
3422-27	Site 201	B	0.2-0.5	0.1
3429-34	Site 220	C	0.5-1.1	4.9
3436-41	Site 218	C	0.5-1.1	1.1
3544-49	Site 221	D	1.1-2.0	0.35
3550-55	Site 222	C	0.5-1.1	1.4
3556-60	Site 219	B	0.2-0.5	0.19
3562-66	Site 223	E	2.0-3.3	5.7
3568-73	Site 224	C	0.5-1.1	2.1
3574-78	Site 200	C	0.5-1.1	1.1
Average				1.9

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-7.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-6. Comparison of results from the 1978 Aerial Survey and the LLNL continuing terrestrial program on Bikini Island for ^{137}Cs specific activities in surface soils.

B-6 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity	
			0-10 cm Aerial Survey (pCi/g)[b]	0-10 cm Terrestrial Survey (pCi/g)
Section B1				
Tree b-20	8002	L	40-60	110
Profile a	7404	L	40-60	34
508	7506	L	40-60	94
Section B2				
Hfh-3	7506	L	40-60	6.3
Hfh-4	7506	L	40-60	23
Hse 39	7708	I	14-20	78
Profile c	7404	K	30-40	10
Profile e	7404	L	40-60	42
Profile i	7404	K	30-40	120
Tree b-16	7908	L	40-60	31
Tree b-21	8002	L	40-60	70
Tree b-3	7711	L	40-60	90
Tree b-3	7805	L	40-60	69
Tree b-3	8312	L	40-60	130
Tree b-4	7711	L	40-60	110
Tree b-4	8312	L	40-60	154
Tree b-44	8212	H	8.0-14	19
Tree b-45	8212	H	8.0-14	21
Tree b-46	8212	L	40-60	56
Tree b-47	8212	L	40-60	81
Tree b-152	8411	L	40-60	38
Ts0081	7506	K	30-40	46
Ts0201	7506	K	30-40	30
Well pt. 1	7006	L	40-60	220
507	7506	M	60-80	83
Section B3				
Grid a	7908	L&M	40-80	48
Grid b	7908	L&M	40-80	74
Grid c	7908	L&M	40-80	120
Grid d	7908	L&M	40-80	65
Grid e	7908	L&M	40-80	57
Grid f	7908	L&M	40-80	120
Grid g	7908	L&M	40-80	88
Grid h	7908	L&M	40-80	45
Grid i	7908	L&M	40-80	85
Grid j	7908	L&M	40-80	230
Grid k	7908	L&M	40-80	83

Table B-6. (Continued)

B-6 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
Grid l	7908	L&M	40-80	83
Grid m	7908	L&M	40-80	3.7
Grid n	7908	L&M	40-80	97
Grid o	7908	L&M	40-80	140
Grid p	7908	L&M	40-80	12
Grid q	7908	L&M	40-80	39
Grid r	7908	L&M	40-80	50
Grid s	7908	L&M	40-80	51
Grid t	7908	L&M	40-80	65
Grid u	7908	L&M	40-80	75
Grid v	7908	L&M	40-80	150
Grid w	7908	L&M	40-80	65
Grid x	7908	L&M	40-80	170
Grid y	7908	L&M	40-80	32
Average(grid)				82
100m. plot	8203	L&M	40-80	250
100m. plot	8203	L&M	40-80	9.2
100m. plot	8203	L&M	40-80	150
Hfh-2	7506	K	30-40	23
Hfh-5	7506	L&M	40-80	85
Hse 35	7711	K	30-40	41
Hse 35 lf	7811	K	30-40	87
Hse 35	8312	K	30-40	91
Pd tree 1	7805	K	30-40	280
Pd tree 2	7805	K	30-40	45
Pit 5	6706	K	30-40	240
Pit 6	6706	L	40-60	--[c]
Profile d	7404	L	40-60	59
Tree b-11	7908	L	40-60	200
Tree b-11	8302	L	40-60	140
Tree b-12	7908	K	30-40	82
Tree b-12	8302	K	30-40	190
Tree b-13	7908	K	30-40	26
Tree b-13	8302	K	30-40	39
Tree b-2	7908	K	30-40	17
Tree b-2	7908	K	30-40	29
Tree b-2	7711	K	30-40	16
Tree b-22	8002	M	60-80	9.1
Tree b-22	8302	M	60-80	40
Tree b-54	8405	I	14-20	110
Tree b-9	7805	K	30-40	44
Tree b-9	8302	K	30-40	29
Tree b-9	8305	K	30-40	7.9

Table B-6. (Continued)

B-6 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
TsOO91	7506	K	30-40	65
TsO101	7506	K	30-40	34
TsO111	7506	K	30-40	69
TsO121	7506	K	30-40	84
TsO131	7506	K	30-40	150
506	7506	J	20-30	100
Section B4				
Hse 16	7811	J	20-30	67
Hse 16-17	7708	J	20-30	62
Hse 16-17	7711	J	20-30	31
Hse 16-17	7711	J	20-30	31
Hse 17	7805	J	20-30	59
Hse 17	7811	J	20-30	190
Hse 17	8312	J	20-30	9.7
Hse 22	7711	H	8.0-14	9.0
Hse 24	7805	K	30-40	100
Hse 24	7805	K	30-40	93
Hse 24	7811	K	30-40	130
Hse 24	7805	K	30-40	170
Hse 24	7805	K	30-40	180
Hse 24	7811	K	30-40	47
Hse 24	8402	K	30-40	300
Hse 24-25	8402	K	30-40	140
Hse 25	7805	K	30-40	14
Hse 25	8402	K	30-40	25
Hse 25-26	7805	K	30-40	160
Hse 26	7805	K	30-40	140
Hse 27	7811	K	30-40	190
Hse 27	7811	K	30-40	2.7
Hse 28	7811	K	30-40	21
Hse 30	7811	J	20-30	33
Pit 1	6706	M	60-80	190
Pit 12	7404	M	60-80	86
Profile g	7404	J	20-30	34
Profile 1	7404	K	30-40	27
Profile 2	7404	J	20-30	17
Tree b-1	7711	L	40-60	130
Tree b-1	8305	L	40-60	160
Tree b-1	8312	L	40-60	100
Tree b-14	7908	L	40-60	27
Tree b-14	8302	L	40-60	10
Tree b-7	7711	M	60-80	20

Table B-6. (Continued)

B-6 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
Tree b-7	8312	M	60-80	59
Tree b-23	8002	M	60-80	79
Tree b-30	7908	K	30-40	64
Tree b-31	7908	K	30-40	32
Tree b-31	8302	K	30-40	39
Tree b-34	7811	J	20-30	15
Tree b-40	8212	K	30-40	69
Tree b-41	8212	K	30-40	19
Tree b-80	8312	M	60-80	73
Tree b-150	8411	M	60-80	31
Ts0012	7506	J	20-30	87
Ts0031	7506	K	30-40	25
Ts0041	7506	K	30-40	31
Ts0051	7506	K	30-40	100
Ts0061	7506	K	30-40	19
Ts0062	7506	K	30-40	33
Ts0071	7506	K	30-40	51
Ts0161	7506	L	40-60	34
Ts0181	7506	M	60-80	19
Ts0191	7506	K	30-40	38
505	7506	M	60-80	94
Section B5				
Hse 14 f	7805	J	20-30	44
Hse 7	8302	J	20-30	50
Hse 7 n	7811	J	20-30	15
Pit 10	7404	M	60-80	170
Pit 11	7404	M	60-80	71
Pit 9	7404	K	30-40	39
Profile 3	7404	M	60-80	190
Tree b-10	7811	M	60-80	77
Tree b-10	8305	M	60-80	73
Tree b-24	8008	M	60-80	76
Tree b-26	8012	M	60-80	74
Tree b-32	7908	H	8.0-14	11
Tree b-33	7908	K	30-40	190
Tree b-6	7711	L	40-60	61
Tree b-6	7811	L	40-60	63
Tree b-6	8312	L	40-60	42
Tree b-151	8411	M	60-80	96
Ts0001	7506	I	14-20	39
Ts0002	7506	I	14-20	31
Ts0003	7506	I	14-20	39

Table B-6. (Continued)

B-6 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
Ts0171	7506	M	60-80	45
Well pt. 4	7006	K	30-40	--
503	7506	M	60-80	61
504	7506	M	60-80	160
Section B6				
Tree b-8	7805	J	20-30	29
Hfh-8 b-8	7711	J	20-30	29
Tree b-8	8312	J	20-30	27
Profile 1	7404	L	40-60	110
Profile n	7404	J	20-30	31
Tree b-15	7908	J	20-30	19
Tree b-15	8302	J	20-30	29
Tree b-25	8002	M	60-80	160
Tree b-42	8212	J	20-30	--
Tree b-43	8212	J	20-30	47
Tree b-51	8405	H	8.0-14	1.7
Tree b-52	8405	J	20-30	3.7
Tree b-53	8405	J	20-30	0.45
Ts0231	7506	I	14-20	20
501	7506	J	20-30	140
502	7506	M	60-80	230
Island average				74

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-1.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7908 is August 1979.

[b] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

[c] Dash indicates no data available.

Table B-7. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Rojkere Island (B-10).

Field log number	B-10 location	EG&G contour label[a]	^{137}Cs soil activity	
			0-10 cm Aerial Survey (pCi/g)[a]	0-10 cm Terrestrial Survey (pCi/g)
3381-86	Site 192	F	3.3-6.0	0.09
3388-93	Site 194	F	3.3-6.0	0.03
3395-00	Site 193	I	14-20	18
Average				6.0

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-8.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-8. Comparison of results from the 1978 Aerial Survey and the LLNL continuing terrestrial program on Eneu Island for ^{137}Cs specific activities in surface soils.

B-12 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
Section E1				
Tree 37	7908	E	2.0-3.3	3.4
Tree 37	8411	E	2.0-3.3	4.3
Tree 38	7908	F	3.3-6.0	6.6
Tree 54	8212	D	1.1-2.0	4.3
Tree 55	8212	D	1.1-2.0	4.2
Tree 70	8312	E	2.0-3.3	4.3
Tree 8	7805	D	1.1-2.0	5.4
Tree 8	8312	D	1.1-2.0	5.3
Tree 9	7711	E	2.0-3.3	1.9
Tree 9	8302	E	2.0-3.3	4.8
Tree 9	8312	E	2.0-3.3	10
Tree 191	8502	G	6.0-8.0	26
Tree 192	8502	G	6.0-8.0	15
Tree 195	8505	G	6.0-8.0	7.3
Tree 196	8505	G	6.0-8.0	8.6
Tree 197	8505	F	3.3-6.0	4.3
Tree 198	8505	F	3.3-6.0	5.5
Tree 199	8505	F	3.3-6.0	4.1
Tree 200	8505	E	2.0-3.3	--[c]
Ts0261	7506	F	3.3-6.0	4.4
Section E2				
Banana 2g	8312	D&E	1.1-3.3	2.3
Banana 6g	8312	D&E	1.1-3.3	--
Banana 9n	8312	D&E	1.1-3.3	3.1
Breadf 1e	8312	D&E	1.1-3.3	2.4
Breadf 4v	7808	D&E	1.1-3.3	1.9
Breadf 7v	7808	D&E	1.1-3.3	0.51
Breadf 7v	8312	D&E	1.1-3.3	1.1
Breadf 8s	8312	D&E	1.1-3.3	1.2
Breadf 9u	8312	D&E	1.1-3.3	2.0
Coco 4v	8312	D&E	1.1-3.3	4.0
Coco 6t	8312	D&E	1.1-3.3	4.6
Pand 4e	8312	D&E	1.1-3.3	--
Pand 6b	8312	D&E	1.1-3.3	1.6
Pand 7h	8312	D&E	1.1-3.3	2.9
Papaya 1d	8312	D&E	1.1-3.3	1.5
Papaya 1h	8312	D&E	1.1-3.3	0.2
Papaya 2a	8312	D&E	1.1-3.3	1.3

ble B-8. (Continued)

12 ation	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
baya 2f	8312	D&E	1.1-3.3	2.9
baya 4a	7805	D&E	1.1-3.3	1.4
baya 4h	8312	D&E	1.1-3.3	1.9
baya 4n	7811	D&E	1.1-3.3	2.1
baya 4n	7904	D&E	1.1-3.3	2.8
baya 5q	7805	D&E	1.1-3.3	2.5
baya 5q	7811	D&E	1.1-3.3	2.0
baya 6a	8312	D&E	1.1-3.3	2.0
baya 6j	7811	D&E	1.1-3.3	2.6
baya 6j	7904	D&E	1.1-3.3	2.3
baya 6o	7904	D&E	1.1-3.3	5.3
baya 7r	8312	D&E	1.1-3.3	3.8
baya 8c	8312	D&E	1.1-3.3	1.6
baya 8l	8312	D&E	1.1-3.3	3.1
baya 8n	7805	D&E	1.1-3.3	3.2
baya 8v	7805	D&E	1.1-3.3	1.1
shi 1g	7711	D&E	1.1-3.3	2.5
shi 2d	7711	D&E	1.1-3.3	3.1
shi 3f	7711	D&E	1.1-3.3	3.1
shi 3j	7711	D&E	1.1-3.3	1.1
shi 4c	7711	D&E	1.1-3.3	3.6
shi 4m	7711	D&E	1.1-3.3	3.1
shi 5k	7711	D&E	1.1-3.3	1.2
shi 5p	7711	D&E	1.1-3.3	2.7
shi 6m	7711	D&E	1.1-3.3	3.5
shi 7a	7711	D&E	1.1-3.3	4.1
shi 7n	7711	D&E	1.1-3.3	5.6
shi 8d	7711	D&E	1.1-3.3	1.1
shi 9q	7711	D&E	1.1-3.3	0.79
6k	7904	D&E	1.1-3.3	1.2
on	7904	D&E	1.1-3.3	3.7
2c	77/11	D&E	1.1-3.3	1.6
2k	77/11	D&E	1.1-3.3	2.0
4b	77/11	D&E	1.1-3.3	2.3
4f	77/11	D&E	1.1-3.3	1.2
4l	77/11	D&E	1.1-3.3	4.0
4q	77/11	D&E	1.1-3.3	3.0
5e	77/11	D&E	1.1-3.3	3.3
5j	77/11	D&E	1.1-3.3	1.6
5n	77/11	D&E	1.1-3.3	3.5
6c	77/11	D&E	1.1-3.3	0.72

Table B-8. (Continued)

B-12 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
Watmel 6p	7711	D&E	1.1-3.3	2.7
Watmel 7b	7711	D&E	1.1-3.3	1.5
Watmel 7g	7711	D&E	1.1-3.3	3.7
Watmel 7k	7711	D&E	1.1-3.3	2.8
Watmel 8e	7711	D&E	1.1-3.3	0.64
Watmel 8r	7711	D&E	1.1-3.3	3.0
Watmel 9i	7711	D&E	1.1-3.3	8.3
Avg(garden plot)				2.5
Tree 10	7711	G	6.0-8.0	11
Tree 10	7908	G	6.0-8.0	8.6
Tree 10	8302	G	6.0-8.0	12
Tree 10	8305	G	6.0-8.0	7.0
Tree 25	7908	F	3.3-6.0	12
Tree 25ab	8012	F	3.3-6.0	14
Tree 25cd	8012	F	3.3-6.0	20
Tree 25	8305	F	3.3-6.0	12
Tree 43	8002	D	1.1-2.0	0.89
Tree 43	8302	D	1.1-2.0	1.3
Tree 44	8002	E	2.0-3.3	3.9
Tree 5	7711	F	3.3-6.0	5.9
Tree 5	8312	F	3.3-6.0	4.9
Tree 52	8212	F	3.3-6.0	4.4
Tree 53	8212	F	3.3-6.0	5.6
Tree 6	7711	F	3.3-6.0	3.9
Tree 6	8312	F	3.3-6.0	2.9
Tree 7	7805	F	3.3-6.0	3.8
Tree 7	8312	F	3.3-6.0	3.7
Tree 181	8502	E	2.0-3.3	4.5
Tree 183	8502	E	2.0-3.3	0.42
Tree 184	8502	F	3.3-6.0	8.9
Tree 185	8502	F	3.3-6.0	9.7
Tree 186	8502	F	3.3-6.0	2.5
Tree 187	8502	E	2.0-3.3	3.9
Tree 188	8502	D	1.1-2.0	2.3
Tree 189	8502	E	2.0-3.3	5.1
Tree 190	8502	G	6.0-8.0	4.0
Tree 193	8505	F	3.3-6.0	6.7
Tree 194	8505	G	6.0-8.0	6.7
Tr r3n0	8012	D&E	2.0-3.3	6.9
Tr r6st	8012	D&E	2.0-3.3	5.6
Ts0251	7506	F	3.3-6.0	7.6

Table B-8. (Continued)

B-12 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
Section E3				
Banana mg	7911	F	3.3-6.0	11
Tree jk-1	8012	F	3.3-6.0	12
Tree jk-2	8012	F	3.3-6.0	4.3
Tree 1	7711	F	3.3-6.0	4.1
Tree 1	7805	F	3.3-6.0	4.3
Tree 1	7908	F	3.3-6.0	1.9
Tree 1	8305	F	3.3-6.0	3.5
Tree 11	7711	E	2.0-3.3	5.3
Tree 11	8312	E	2.0-3.3	4.9
Tree 2	7711	F	3.3-6.0	4.0
Tree 2	8302	F	3.3-6.0	3.4
Tree 2	8305	F	3.3-6.0	1.8
Tree 2a	8502	F	3.3-6.0	2.5
Tree 2ad	8012	F	3.3-6.0	3.2
Tree 2bc	8012	F	3.3-6.0	2.8
Tree 3	7805	F	3.3-6.0	1.5
Tree 3	8302	F	3.3-6.0	1.6
Tree 3	8502	F	3.3-6.0	1.8
Tree 35	7904	F	3.3-6.0	5.3
Tree 35	8302	F	3.3-6.0	4.9
Tree 36	8012	F	3.3-6.0	3.4
Tree 4	8012	F	3.3-6.0	14
Tree 72	8312	F	3.3-6.0	11
Tree 105	8502	C	0.5-1.1	0.62
Tree 106	8502	D	1.1-2.0	--
Tree 107	8502	E	2.0-3.3	2.1
Tree 130	8502	C	0.5-1.1	2.6
Tree 164	8502	D	1.1-2.0	1.3
Tree 165	8502	E	2.0-3.3	2.1
Tree 166	8502	F	3.3-6.0	3.5
Tree 167	8502	F	3.3-6.0	5.8
Tree 168	8502	E	2.0-3.3	2.1
Tree 173	8502	F	3.3-6.0	3
Tree 174	8502	F	3.3-6.0	1.3
Tree 175	8502	E	2.0-3.3	3.6
Tree 176	8502	F	3.3-6.0	--
Tree 177	8502	F	3.3-6.0	1.8
Tree 178	8502	F	3.3-6.0	3.3
Tree 179	8502	E	2.0-3.3	1.5
Tree 180	8502	E	2.0-3.3	2.2

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Table B-8. (Continued)

B-12 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
Tree 182	8502	D	1.1-2.0	1.7
Ts0241	7506	F	3.3-6.0	3.4
801	7506	F	3.3-6.0	4.8
Section E4				
Papaya ev	8002	E	2.0-3.3	3.6
Papaya ev	8002	E	2.0-3.3	3.2
Papaya e.	7911	D	1.1-2.0	5.1
Papy n.w.	7911	E	2.0-3.3	8.3
Tree 12	7711	D	1.1-2.0	0.4
Tree 12	7805	D	1.1-2.0	0.56
Tree 12	7908	D	1.1-2.0	0.78
Tree 12	8008	D	1.1-2.0	0.54
Tree 12	8302	D	1.1-2.0	0.80
Tree 16	7711	F	3.3-6.0	11
Tree 16	8302	F	3.3-6.0	4.7
Tree 32	7904	F	3.3-6.0	1.9
Tree 32	8302	F	3.3-6.0	4.1
Tree 34	7904	F	3.3-6.0	22
Tree 34	8302	F	3.3-6.0	7.9
Tree 34 nw	8012	F	3.3-6.0	17
Tree 34	8312	F	3.3-6.0	13
Tree 34	8502	F	3.3-6.0	14
Tree 50	8212	E	2.0-3.3	3.4
Tree 51	8212	E	2.0-3.3	3.6
Tree 56	8212	F	3.3-6.0	4.1
Tree 34 e	8012	F	3.3-6.0	21
Tree 108	8502	D	1.1-2.0	1.8
Tree 125	8502	E	2.0-3.3	3.2
Tree 126	8502	E	2.0-3.3	3.8
Tree 127	8502	D	1.1-2.0	1.1
Tree 128	8502	D	1.1-2.0	1.4
Tree 129	8502	C	0.5-1.1	1.4
Tree 139	8502	E	2.0-3.3	3.5
Tree 147	8502	E	2.0-3.3	1.7
Tree 172	8502	C	0.5-1.1	1.0
Ts0271	7506	D	1.1-2.0	2.2
802	7506	D	1.1-2.0	1.0
Section E5				
Tree 13	7711	D	1.1-2.0	4.1
Tree 13	8312	D	1.1-2.0	2.5
Tree 17	7805	F	3.3-6.0	2.8

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Table B-8. (Continued)

B-12 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity	
			0-10 cm Aerial Survey (pCi/g)[b]	0-10 cm Terrestrial Survey (pCi/g)
ree 17	8008	F	3.3-6.0	1.9
ree 17	8305	F	3.3-6.0	5.4
ree 17b	8012	F	3.3-6.0	5.3
ee 18	7811	G	6.0-8.0	2.9
ee 23	7904	F	3.3-6.0	4.7
ee 31	7904	G	6.0-8.0	9.0
e 31	8302	G	6.0-8.0	5.5
e 41	8002	E	2.0-3.3	4.4
e 41	8302	E	2.0-3.3	1.2
e 42	8002	E	2.0-3.3	3.0
e 42	8012	E	2.0-3.3	4.2
e 42	8012	E	2.0-3.3	2.8
e 80	8312	G	6.0-8.0	13
e 109	8502	D	1.1-2.0	3.3
e 110	8502	D	1.1-2.0	1.0
111	8502	D	1.1-2.0	1.8
112	8502	D	1.1-2.0	1.1
113	8502	D	1.1-2.0	2.9
114	8502	D	1.1-2.0	2.2
119	8502	D	1.1-2.0	1.5
120	8502	D	1.1-2.0	0.44
121	8502	D	1.1-2.0	0.73
122	8502	D	1.1-2.0	0.96
123	8502	E	2.0-3.3	2.5
124	8502	E	2.0-3.3	2.3
136	8502	F	3.3-6.0	6.6
137	8502	G	6.0-8.0	8.4
138	8502	G	6.0-8.0	16
142	8502	F	3.3-6.0	2.9
144	8502	F	3.3-6.0	2.2
145	8502	F	3.3-6.0	15
146	8502	F	3.3-6.0	5.6
154	8502	F	3.3-6.0	5.9
155	8502	F	3.3-6.0	7.0
156	8502	F	3.3-6.0	14
163	8502	E	2.0-3.3	5.4
170	8502	D	1.1-2.0	3.7
171	8502	D	1.1-2.0	2.0
201	8505	F	3.3-6.0	5.2
202	8505	F	3.3-6.0	5.0
	7506	G	6.0-8.0	8.1

Table B-8. (Continued)

B-12 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)[b]	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
Section E6				
Tree 14	7711	E	2.0-3.3	4.3
Tree 14	7908	E	2.0-3.3	3.8
Tree 15	7711	D	1.1-2.0	8.3
Tree 15	8302	D	1.1-2.0	6.1
Tree 19	7904	E	2.0-3.3	3.5
Tree 19	8302	E	2.0-3.3	4.3
Tree 20	7904	G	6.0-8.0	12
Tree 20	8302	G	6.0-8.0	9.9
Tree 21	7904	D	1.1-2.0	14
Tree 21	8302	D	1.1-2.0	12
Tree 22	8012	F	3.3-6.0	8.2
Tree 22	8302	F	3.3-6.0	4.4
Tree 74	8312	G	6.0-8.0	7.9
Tree 76	8312	G	6.0-8.0	9.5
Tree 78	8312	G	6.0-8.0	9.9
Tree 115	8502	D	1.1-2.0	6.6
Tree 116	8502	D	1.1-2.0	4.4
Tree 117	8502	E	2.0-3.3	3.0
Tree 118	8502	D	1.1-2.0	3.0
Tree 131	8502	C	0.5-1.1	1.7
Tree 132	8502	E	2.0-3.3	6.0
Tree 133	8502	E	2.0-3.3	0.39
Tree 134	8502	E	2.0-3.3	10
Tree 135	8502	F	3.3-6.0	4.0
Tree 140	8502	E	2.0-3.3	12
Tree 141	8502	D	1.1-2.0	0.73
Tree 148	8502	E	2.0-3.3	1.4
Tree 149	8502	D	1.1-2.0	8.4
Tree 150	8502	E	2.0-3.3	0.33
Tree 151	8502	F	3.3-6.0	3.7
Tree 152	8502	G	6.0-8.0	5.2
Tree 153	8502	F	3.3-6.0	9.0
Tree 157	8502	C	0.5-1.1	0.92
Tree 158	8502	D	1.1-2.0	4.4
Tree 159	8502	E	2.0-3.3	2.8
Tree 160	8502	E	2.0-3.3	2.4
Tree 161	8502	E	2.0-3.3	2.1
Tree 162	8502	E	2.0-3.3	2.2

Table B-8. (Continued)

B-12 location	Date taken[a]	EG&G contour label[b]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
S. runway	8502	E	2.0-3.0	2.4
Ts0301	7506	F	3.3-6.0	3.0
Island average				4.8

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-2.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7908 is August 1979.
[b] Concentration-contour labels and ranges are from Tiptop and Meibaum (1981).
[c] Dash indicates no data available.

Table B-9. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Parokojlol Island (B-13).

Field log number	B-13 location	EG&G contour label[a]	^{137}Cs soil activity 0-10 cm Aerial Survey (pCi/g)	^{137}Cs soil activity 0-10 cm Terrestrial Survey (pCi/g)
3632-36	Site 97	B	0.2-0.5	0.23
3638-42	Site 98	B	0.2-0.5	0.2
3644-47	Site 183	B	0.2-0.5	0.27
3650-55	Site 184	B	0.2-0.5	0.093
3656-60	Site 185	A	<0.2	0.16
3662-67	Site 198	A	<0.2	0.039
3667-71	Site 186	A	<0.2	0.015
3673-78	Site 187	A	<0.2	0.024
3679-84	Site 188	B	0.2-0.5	0.039
3685-90	Site 189	A	<0.2	---
3691-96	Site 190	B	0.2-0.5	0.33
3697-01	Site 191	A	<0.2	0.094
3803-08	Site 197	A	<0.2	0.11
Average				0.13

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-9.

[a] Concentration-contour labels and ranges are from Tiptop and Meibaum (1981).

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Table B-10. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Lele Island (B-15).

Field log number	B-15 location	EG&G contour label[a]	^{137}Cs soil activity: 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity: 0-10 cm Terrestrial Survey (pCi/g)
3900-04	Site 199	A	<0.2	0.25
3906-11	Site 195	A	<0.2	0.069
3912-16	Site 182	B	0.2-0.5	0.097
3918-23	Site 175	B	0.2-0.5	0.68
Average				0.28

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-10.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-11. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Eneman Island (B-16).

Field log number	B-16 location	EG&G contour label[a]	^{137}Cs soil activity: 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity: 0-10 cm Terrestrial Survey (pCi/g)
3930-35	Site 176	B	0.2-0.5	0.53
3936-41	Site 177	D	1.1-2.0	2.9
3942-47	Site 178	E	2.0-3.3	2.5
3948-53	Site 179	F	3.3-6.0	3.0
3954-59	Site 180	E	2.0-3.3	3.7
3960-65	Site 181	D	1.1-2.0	1.6
Average				2.4

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-11.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-12. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Enidrik Island (B-17).

Field log number	B-17 location	EG&G contour label[a]	^{137}Cs soil activity: 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity: 0-10 cm Terrestrial Survey (pCi/g)
N.W. quad.				
3809-14	Site 150	D	1.1-2.0	0.12
3815-20	Site 149	F	3.1-5.0	0.11
3821-26	Site 147	G	6.1-8.0	3.0
3838-43	Site 146	E	2.1-3.3	1.8
3844-49	Site 156	D	1.1-2.0	0.15
3850-55	Site 145	C	0.5-1.1	0.14
3856-61	Site 148	C	0.5-1.1	0.12
3862-67	Site 140	G	6.1-8.0	
S. quad.				
4100-05	Site 161	D	1.1-2.0	1.1
4106-11	Site 169	D	1.1-2.0	1.5
4112-16	Site 165	C	0.5-1.1	0.61
4118-23	Site 170	D	1.1-2.0	0.73
4124-29	Site 160	D	1.1-2.0	0.38
4130-35	Site 158	D	1.1-2.0	2.0
4136-40	Site 159	C	0.5-1.1	11
4142-47	Site 164	C	0.5-1.1	0.11
E. quad.				
2777-82	Site 144	B	0.2-0.5	1.4
2783-88	Site 163	C	0.5-1.1	1.9
2789-94	Site 143	D	1.1-2.0	4.3
2795-00	Site 168	D	1.1-2.0	1.8
4201-06	Site 166	C	0.5-1.1	0.91
4207-12	Site 167	C	0.5-1.1	0.95
4213-17	Site 155	B	0.2-0.5	0.29
4219-24	Site 142	C	0.5-1.1	0.14
N.E. quad.				
4002-07	Site 154	H	8.1-14	18
3966-71	Site 151	No location given	-	1.7
3972-77	Site 141	No location given	-	0.52
3984-89	Site 152	No location given	-	4.4
3990-95	Site 157	No location given	-	2.0
3996-01	Site 153	No location given	-	1.4
4302-07	Site 162	No location given	-	8.1
4308-13	Site 99	J	22-30	33
Average				3.4

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-12.

[a] Concentration-contour labels and ranges are from Upton and Meibaum (1981).

Table B-13. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Lukoj Island (B-18).

Field log number	B-18 location	EG&G contour label[a]	^{137}Cs soil activity: 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity: 0-10 cm Terrestrial Survey (pCi/g)
3318-22	Site 171	I	14-20	20
3325-30	Site 172	K	30-40	35
3332-37	Site 173	J	20-30	18
Average				25

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-13.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

Table B-14. Comparison of results from the 1978 Aerial Survey and Terrestrial Survey for ^{137}Cs specific activities in surface soils on Jelete Island (B-19).

Field log number	B-19 location	EG&G contour label[a]	^{137}Cs soil activity: 0-10 cm Aerial Survey (pCi/g)[a]	^{137}Cs soil activity: 0-10 cm Terrestrial Survey (pCi/g)
3346-51	Site 100	I	14-20	19
3353-58	Site 174	K	30-40	59
Average				39

NOTE: Specific activity is decay corrected to 1987. Sampling sites are shown in Fig. A-14.

[a] Concentration-contour labels and ranges are from Tipton and Meibaum (1981).

5000423

APPENDIX C:

RADIONUCLIDE CONCENTRATION SUMMARIES FOR ^{137}Cs, $^{239+240}Pu$, AND ^{241}Am FOR SOILS TAKEN FROM BIKINI ATOLL

...lowing tables contain numbers with four significant digits. These ...generated by computer and are accurate to only two significant ... addition, the term "logs" has been used to describe natural

5000424

Table C-1. Cesium-137 radionuclide concentration summary for all profiles taken during the 1978 Terrestrial Survey on Nam Island (B-1).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	33	3.181E-01	1.731E+02	8.268E+00	3.054E+01	4.233E+01	2.306E+00	1.707E+
05-10	33	1.465E-01	1.298E+02	3.360E+00	1.452E+01	2.534E+01	1.457E+00	1.687E+
10-15	33	5.703E-02	1.039E+02	3.806E+00	1.685E+01	2.520E+01	1.501E+00	1.874E+
15-25	33	2.713E-02	9.017E+01	3.970E+00	1.322E+01	2.030E+01	1.328E+00	1.899E+
25-40	33	1.335E-02	1.561E+02	2.251E+00	1.158E+01	2.903E+01	8.110E-01	1.940E+
40-60	30	9.738E-02	1.357E+02	8.732E-01	9.398E+00	2.672E+01	2.020E-01	1.880E+
00-05	33	3.181E-01	1.731E+02	8.268E+00	3.054E+01	4.233E+01	2.306E+00	1.707E+
00-10	33	3.075E-01	1.515E+02	5.239E+00	2.253E+01	3.278E+01	2.010E+00	1.671E+
00-15	33	2.906E-01	1.356E+02	6.703E+00	2.064E+01	2.990E+01	1.902E+00	1.691E+
00-25	33	1.852E-01	1.174E+02	5.700E+00	1.767E+01	2.571E+01	1.778E+00	1.682E+
00-40	33	1.208E-01	1.319E+02	4.583E+00	1.539E+01	2.594E+01	1.581E+00	1.703E+
00-60	30	1.189E-01	1.332E+02	3.554E+00	1.376E+01	2.648E+01	1.357E+00	1.732E+

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-2. Cesium-137 radionuclide concentration summary for all profiles taken during the 1978 Terrestrial Survey on Iroij Island (B-2).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of lo
00-05	10	1.582E-01	2.881E+01	1.064E+00	6.145E+00	1.119E+01	2.687E-01	1.805E
05-10	10	1.512E-01	7.789E+00	6.219E-01	1.285E+00	2.306E+00	-4.754E-01	1.094E
10-15	10	1.043E-01	2.028E+00	4.348E-01	6.511E-01	6.180E-01	-8.210E-01	9.501E
15-25	10	1.679E-02	2.156E+00	8.251E-01	9.862E-01	8.427E-01	-6.735E-01	1.553E
25-40	10	3.074E-02	1.020E+00	5.035E-01	4.773E-01	3.333E-01	-1.101E+00	1.070E
40-60	8	2.376E-01	6.570E-01	3.870E-01	3.975E-01	1.365E-01	-9.733E-01	3.413E
00-05	10	1.582E-01	2.881E+01	1.064E+00	6.145E+00	1.119E+01	2.687E-01	1.805E
00-10	10	1.962E-01	1.680E+01	8.533E-01	3.715E+00	6.437E+00	5.313E-02	1.583E
00-15	10	1.804E-01	1.165E+01	7.865E-01	2.694E+00	4.474E+00	-1.174E-01	1.483E
00-25	10	1.150E-01	7.279E+00	9.426E-01	2.011E+00	2.800E+00	-1.591E-01	1.417E
00-40	10	8.339E-02	4.903E+00	8.398E-01	1.436E+00	1.824E+00	-3.696E-01	1.331E
00-60	8	2.003E-01	3.488E+00	7.356E-01	1.285E+00	1.319E+00	-1.924E-01	1.008E

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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ble C-3. Cesium-137 radionuclide concentration summary for all profiles ken during the 1978 Terrestrial Survey on Odrik Island (B-3).

	pCi/g dry wt						
N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
5	8.943E-02	1.650E+00	7.137E-01	7.555E-01	6.176E-01	-6.861E-01	1.150E+00
5	8.694E-02	1.051E+00	4.793E-01	6.073E-01	4.151E-01	-8.033E-01	1.012E+00
5	6.705E-02	1.110E+00	3.911E-01	4.680E-01	3.890E-01	-1.097E+00	1.020E+00
5	6.998E-02	1.496E+00	3.248E-01	5.095E-01	5.634E-01	-1.125E+00	1.086E+00
5	1.810E-01	8.761E-01	3.087E-01	3.801E-01	2.841E-01	-1.141E+00	6.169E-01
4	5.583E-02	1.158E+00	3.121E-01	4.596E-01	5.017E-01	-1.359E+00	1.340E+00
5	8.943E-02	1.650E+00	7.137E-01	7.555E-01	6.176E-01	-6.861E-01	1.150E+00
5	8.819E-02	1.351E+00	5.598E-01	6.814E-01	5.033E-01	-7.263E-01	1.069E+00
5	8.114E-02	1.055E+00	4.757E-01	6.103E-01	4.293E-01	-8.188E-01	1.049E+00
5	7.668E-02	1.228E+00	4.153E-01	5.700E-01	4.383E-01	-8.993E-01	1.047E+00
5	1.637E-01	8.898E-01	5.361E-01	4.988E-01	2.725E-01	-8.407E-01	6.411E-01
4	2.439E-01	7.637E-01	5.793E-01	5.416E-01	2.599E-01	-7.172E-01	5.502E-01

pecific activity is decay corrected to 1987.
ands for number of individual samples.

C-4. Cesium-137 radionuclide concentration summary for all profiles during the 1978 Terrestrial Survey on Lomilik Island (B-4).

	pCi/g dry wt						
N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
6	2.304E-01	3.961E+01	1.521E+00	6.896E+00	1.024E+01	9.509E-01	1.508E+00
6	3.417E-01	2.880E+01	1.812E+00	4.133E+00	7.001E+00	7.191E-01	1.098E+00
6	3.666E-01	1.176E+01	1.259E+00	2.659E+00	3.027E+00	5.556E-01	8.874E-01
6	4.490E-01	4.906E+00	1.280E+00	1.824E+00	1.258E+00	3.940E-01	6.625E-01
5	5.084E-01	5.326E+00	1.219E+00	1.341E+00	1.160E+00	9.495E-02	5.943E-01
5	3.830E-01	1.946E+00	9.108E-01	8.976E-01	4.228E-01	-2.159E-01	4.925E-01
6	2.304E-01	3.961E+01	1.521E+00	6.896E+00	1.024E+01	9.509E-01	1.508E+00
6	2.861E-01	3.421E+01	1.570E+00	5.514E+00	8.487E+00	9.154E-01	1.273E+00
6	3.129E-01	2.672E+01	1.821E+00	4.562E+00	6.587E+00	8.604E-01	1.142E+00
6	3.674E-01	1.686E+01	2.143E+00	3.467E+00	4.109E+00	7.730E-01	9.747E-01
5	4.442E-01	1.103E+01	1.517E+00	2.691E+00	2.760E+00	6.388E-01	8.226E-01
5	7.079E-01	7.684E+00	1.169E+00	2.093E+00	1.861E+00	4.941E-01	6.596E-01

Specific activity is decay corrected to 1987.
ands for number of individual samples.

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Table C-5. Cesium-137 radionuclide concentration summary for all profiles taken during the 1978 Terrestrial Survey on Aomen Island (B-5).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	9	9.050E-02	8.060E+00	1.367E+00	2.569E+00	2.867E+00	1.838E-01	1.509E+0
05-10	9	1.627E-01	4.822E+00	8.463E-01	1.308E+00	1.447E+00	-2.046E-01	1.042E+0
10-15	9	1.051E-01	4.980E+00	1.176E+00	1.593E+00	1.666E+00	-6.480E-02	1.183E+0
15-25	9	7.247E-02	4.081E+00	7.874E-01	1.196E+00	1.318E+00	-5.061E-01	1.384E+0
25-40	9	8.136E-02	9.026E+00	1.057E+00	2.401E+00	3.158E+00	-5.072E-02	1.608E+0
40-60	3	8.202E-02	1.902E+00	1.541E+00	1.175E+00	9.636E-01	-4.752E-01	1.757E+0
00-05	9	9.050E-02	8.060E+00	1.367E+00	2.569E+00	2.867E+00	1.838E-01	1.509E+0
00-10	9	1.266E-01	5.720E+00	1.298E+00	1.939E+00	2.021E+00	8.484E-02	1.250E+0
00-15	9	3.300E-01	5.473E+00	1.232E+00	1.823E+00	1.714E+00	2.084E-01	9.583E-0
00-25	9	3.166E-01	4.916E+00	1.262E+00	1.572E+00	1.407E+00	1.414E-01	8.376E-0
00-40	9	2.422E-01	3.991E+00	1.333E+00	1.883E+00	1.496E+00	2.844E-01	9.555E-0
00-60	3	9.163E-01	3.082E+00	3.025E+00	2.341E+00	1.234E+00	7.149E-01	6.949E-0

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-6. Cesium-137 radionuclide concentration summary for all profiles taken from 1968-1984 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	180	7.051E-02	4.627E+02	6.656E+01	8.639E+01	7.602E+01	4.049E+00	1.073E+00
05-10	179	8.274E-01	3.642E+02	4.007E+01	6.183E+01	5.973E+01	3.632E+00	1.113E+00
10-15	177	4.987E-01	2.520E+02	2.556E+01	4.281E+01	4.379E+01	3.179E+00	1.208E+00
15-25	172	1.074E-01	3.146E+02	9.928E+00	2.830E+01	4.443E+01	2.391E+00	1.485E+00
25-40	169	9.029E-02	2.135E+02	4.101E+00	1.758E+01	3.387E+01	1.410E+00	1.816E+00
40-60	108	5.628E-02	1.366E+02	1.127E+00	6.485E+00	1.673E+01	3.339E-01	1.753E+00
00-05	180	7.051E-02	4.627E+02	6.656E+01	8.639E+01	7.602E+01	4.049E+00	1.073E+00
00-10	178	4.489E-01	3.024E+02	5.900E+01	7.423E+01	6.128E+01	3.912E+00	1.021E+00
00-15	176	1.483E+00	2.610E+02	4.607E+01	6.296E+01	5.006E+01	3.779E+00	9.520E-01
00-25	170	1.374E+00	2.343E+02	3.490E+01	4.867E+01	4.131E+01	3.519E+00	9.326E-01
00-40	167	1.168E+00	1.854E+02	2.444E+01	3.668E+01	3.402E+01	3.212E+00	9.286E-01
00-60	107	8.196E-01	1.347E+02	1.662E+01	2.423E+01	2.387E+01	2.793E+00	9.251E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-7. Cesium-137 radionuclide concentration summary for all soil profiles taken from section B1 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	3	5.325E+01	1.243E+02	8.516E+01	8.758E+01	3.560E+01	4.414E+00	4.247E-01
05-10	3	1.490E+01	1.028E+02	9.649E+01	7.141E+01	4.904E+01	3.968E+00	1.098E+00
10-15	3	5.809E+00	1.067E+02	8.425E+01	6.560E+01	5.299E+01	3.621E+00	1.617E+00
15-25	3	2.309E+00	1.139E+02	7.511E+01	6.378E+01	5.667E+01	3.297E+00	2.141E+00
25-40	3	1.415E-01	5.807E+01	2.528E+01	2.783E+01	2.905E+01	1.779E+00	3.261E+00
40-60	2	3.512E+00	8.585E+00	6.048E+00	6.048E+00	3.587E+00	1.703E+00	6.320E-01
00-05	3	5.325E+01	1.243E+02	8.516E+01	8.758E+01	3.560E+01	4.414E+00	4.247E-01
00-10	3	3.407E+01	1.104E+02	9.400E+01	7.949E+01	4.018E+01	4.259E+00	6.374E-01
00-15	3	2.465E+01	1.017E+02	9.824E+01	7.486E+01	4.352E+01	4.138E+00	8.084E-01
00-25	3	1.572E+01	1.045E+02	9.106E+01	7.043E+01	4.786E+01	3.972E+00	1.056E+00
00-40	3	9.875E+00	8.710E+01	6.639E+01	5.446E+01	3.997E+01	3.651E+00	1.186E+00
00-60	2	4.543E+01	6.093E+01	5.318E+01	5.318E+01	1.096E+01	3.963E+00	2.075E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-8. Cesium-137 radionuclide concentration summary for all soil profiles taken from section B2 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	22	8.539E+00	4.063E+02	7.091E+01	8.552E+01	8.523E+01	4.079E+00	8.955E-01
05-10	22	2.607E+00	1.372E+02	4.817E+01	5.366E+01	3.739E+01	3.632E+00	1.024E+00
10-15	21	1.936E+00	1.372E+02	2.695E+01	3.984E+01	3.840E+01	3.162E+00	1.161E+00
15-25	21	6.331E-01	2.542E+02	9.325E+00	3.458E+01	5.808E+01	2.410E+00	1.660E+00
25-40	20	1.341E-01	9.507E+01	3.707E+00	1.519E+01	2.865E+01	1.181E+00	1.958E+00
40-60	10	2.530E-01	1.370E+01	9.596E-01	2.490E+00	4.111E+00	7.072E-02	1.292E+00
00-05	22	8.539E+00	4.063E+02	7.091E+01	8.552E+01	8.523E+01	4.079E+00	8.955E-01
00-10	22	6.303E+00	2.227E+02	6.278E+01	6.959E+01	5.329E+01	3.922E+00	8.947E-01
00-15	21	6.272E+00	1.570E+02	5.572E+01	5.776E+01	4.278E+01	3.739E+00	8.956E-01
00-25	20	4.782E+00	1.650E+02	3.462E+01	4.611E+01	4.075E+01	3.487E+00	8.754E-01
00-40	19	3.053E+00	1.381E+02	2.231E+01	3.508E+01	3.569E+01	3.143E+00	9.433E-01
00-60	10	7.307E+00	5.597E+01	1.265E+01	1.765E+01	1.450E+01	2.672E+00	6.047E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-9. Cesium-137 radionuclide concentration summary for all soil profiles taken from section B3 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	60	5.803E+00	4.627E+02	7.413E+01	1.006E+02	8.651E+01	4.266E+00	8.972E-01
05-10	59	1.676E+00	3.642E+02	4.209E+01	6.421E+01	6.576E+01	3.681E+00	1.074E+00
10-15	58	4.987E-01	1.381E+02	1.721E+01	3.518E+01	3.778E+01	2.910E+00	1.275E+00
15-25	55	1.074E-01	8.770E+01	5.996E+00	1.397E+01	2.016E+01	1.756E+00	1.403E+00
25-40	55	2.272E-01	7.860E+01	8.368E-01	8.538E+00	1.964E+01	5.483E-01	1.650E+00
40-60	44	5.628E-02	6.748E+01	4.080E-01	4.246E+00	1.149E+01	-2.780E-01	1.795E+00
00-05	60	5.803E+00	4.627E+02	7.413E+01	1.006E+02	8.651E+01	4.266E+00	8.972E-01
00-10	59	3.739E+00	2.796E+02	6.549E+01	8.300E+01	6.482E+01	4.081E+00	9.183E-01
00-15	58	2.822E+00	2.105E+02	5.326E+01	6.525E+01	4.801E+01	3.850E+00	9.168E-01
00-25	55	1.905E+00	1.301E+02	3.487E+01	4.388E+01	3.223E+01	3.466E+00	8.858E-01
00-40	55	1.334E+00	1.043E+02	2.281E+01	3.062E+01	2.408E+01	3.089E+00	8.902E-01
00-60	44	9.880E-01	9.205E+01	1.619E+01	2.225E+01	1.927E+01	2.732E+00	9.371E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-10. Cesium-137 radionuclide concentration summary for all soil profiles taken from section B4 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	56	2.923E+00	3.459E+02	4.939E+01	7.482E+01	6.695E+01	3.924E+00	9.544E-01
05-10	56	2.385E+00	2.590E+02	4.108E+01	6.900E+01	6.406E+01	3.758E+00	1.068E+00
10-15	56	1.267E+00	2.520E+02	4.454E+01	5.832E+01	5.445E+01	3.580E+00	1.120E+00
15-25	55	1.146E+00	3.146E+02	1.898E+01	4.444E+01	5.993E+01	2.996E+00	1.363E+00
25-40	54	9.029E-02	2.135E+02	8.340E+00	3.355E+01	4.960E+01	2.250E+00	1.822E+00
40-60	31	1.141E-01	1.366E+02	2.032E+00	1.244E+01	2.709E+01	8.466E-01	1.917E+00
00-05	56	2.923E+00	3.459E+02	4.939E+01	7.482E+01	6.695E+01	3.924E+00	9.544E-01
00-10	56	2.654E+00	3.024E+02	4.882E+01	7.191E+01	6.316E+01	3.878E+00	9.617E-01
00-15	56	2.192E+00	2.610E+02	4.457E+01	6.738E+01	5.776E+01	3.821E+00	9.598E-01
00-25	55	2.057E+00	2.343E+02	4.200E+01	5.840E+01	5.265E+01	3.675E+00	9.477E-01
00-40	54	5.381E+00	1.854E+02	3.064E+01	4.850E+01	4.509E+01	3.469E+00	9.400E-01
00-60	31	4.086E+00	1.347E+02	1.974E+01	3.110E+01	3.381E+01	3.002E+00	9.152E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

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Table C-11. Cesium-137 radionuclide concentration summary for all soil profiles taken from section B5 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	24	9.587E+00	2.607E+02	7.723E+01	9.101E+01	6.300E+01	4.226E+00	8.637E-01
05-10	23	3.798E+00	1.789E+02	3.794E+01	5.427E+01	4.865E+01	3.629E+00	9.154E-01
10-15	23	1.862E+00	1.207E+02	2.024E+01	3.536E+01	3.257E+01	3.166E+00	9.645E-01
15-25	22	8.937E-01	7.332E+01	1.487E+01	2.220E+01	2.073E+01	2.601E+00	1.155E+00
25-40	22	2.979E-01	3.327E+01	5.290E+00	9.211E+00	9.605E+00	1.596E+00	1.302E+00
40-60	12	8.452E-01	1.321E+01	3.428E+00	4.317E+00	3.965E+00	1.083E+00	9.271E-01
00-05	24	9.587E+00	2.607E+02	7.723E+01	9.101E+01	6.300E+01	4.226E+00	8.637E-01
00-10	23	7.094E+00	1.862E+02	6.063E+01	7.144E+01	5.346E+01	3.981E+00	8.390E-01
00-15	23	1.190E+01	1.534E+02	4.495E+01	5.941E+01	4.162E+01	3.878E+00	6.554E-01
00-25	22	1.196E+01	1.131E+02	3.507E+01	4.497E+01	2.853E+01	3.626E+00	6.136E-01
00-40	22	8.936E+00	7.231E+01	2.509E+01	3.156E+01	1.822E+01	3.289E+00	5.953E-01
00-60	12	6.295E+00	4.444E+01	1.870E+01	2.263E+01	1.214E+01	2.969E+00	5.989E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-12. Cesium-137 radionuclide concentration summary for all soil profiles taken from section B6 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	15	7.051E-02	2.254E+02	3.329E+01	6.662E+01	7.276E+01	3.250E+00	2.061E+00
05-10	16	8.274E-01	2.395E+02	2.278E+01	4.832E+01	6.489E+01	2.957E+00	1.618E+00
10-15	16	8.838E-01	8.932E+01	1.615E+01	2.656E+01	2.643E+01	2.715E+00	1.293E+00
15-25	16	3.244E-01	6.562E+01	8.586E+00	1.558E+01	1.845E+01	2.009E+00	1.412E+00
25-40	15	1.277E-01	1.457E+01	5.072E+00	6.650E+00	4.558E+00	1.499E+00	1.204E+00
40-60	9	1.222E-01	2.078E+01	1.845E+00	4.337E+00	6.542E+00	5.486E-01	1.533E+00
00-05	15	7.051E-02	2.254E+02	3.329E+01	6.662E+01	7.276E+01	3.250E+00	2.061E+00
00-10	15	4.489E-01	2.324E+02	2.884E+01	5.840E+01	6.896E+01	3.182E+00	1.718E+00
00-15	15	1.483E+00	1.655E+02	2.403E+01	4.796E+01	5.286E+01	3.178E+00	1.383E+00
00-25	15	1.374E+00	1.069E+02	1.853E+01	3.512E+01	3.623E+01	2.940E+00	1.309E+00
00-40	14	1.168E+00	6.818E+01	1.437E+01	2.133E+01	2.070E+01	2.578E+00	1.123E+00
00-60	8	8.196E-01	4.607E+01	7.145E+00	1.184E+01	1.451E+01	1.919E+00	1.176E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-13. Cesium-137 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Rojkere Island (B-10).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	3	3.551E-02	2.558E+01	5.997E-02	8.558E+00	1.474E+01	-9.700E-01	3.657E+
05-10	3	2.408E-02	1.042E+01	1.200E-01	3.520E+00	5.973E+00	-1.168E+00	3.145E+
10-15	3	5.062E-02	5.058E+00	4.234E-01	1.844E+00	2.789E+00	-7.407E-01	2.304E+
15-25	3	6.945E-02	2.365E+00	3.649E-01	9.331E-01	1.249E+00	-9.382E-01	1.765E+
25-40	3	7.887E-02	1.418E+00	3.845E-01	6.273E-01	7.020E-01	-1.049E+00	1.447E+
40-60	3	3.726E-02	5.796E-01	5.472E-01	3.880E-01	3.042E-01	-1.479E+00	1.568E+
00-05	3	3.551E-02	2.558E+01	5.997E-02	8.558E+00	1.474E+01	-9.700E-01	3.657E+
00-10	3	2.980E-02	1.800E+01	8.998E-02	6.039E+00	1.036E+01	-1.010E+00	3.423E+
00-15	3	3.674E-02	1.368E+01	2.011E-01	4.641E+00	7.832E+00	-7.639E-01	3.048E+
00-25	3	4.982E-02	9.156E+00	2.666E-01	3.158E+00	5.196E+00	-7.022E-01	2.662E+
00-40	3	6.071E-02	6.255E+00	3.108E-01	2.209E+00	3.506E+00	-7.122E-01	2.351E+
00-60	3	5.290E-02	4.363E+00	3.896E-01	1.602E+00	2.397E+00	-8.029E-01	2.210E+

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-14. Cesium-137 radionuclide concentration summary for all soil profiles taken from 1975-1985 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of lo
00-05	276	1.149E-01	3.621E+01	4.264E+00	5.578E+00	4.938E+00	1.373E+00	8.862E
05-10	275	1.636E-01	2.571E+01	2.732E+00	3.902E+00	3.714E+00	9.778E-01	9.008E
10-15	275	1.678E-02	3.206E+01	1.964E+00	3.207E+00	3.836E+00	6.423E-01	1.092E
15-25	272	4.331E-02	3.070E+01	1.146E+00	2.079E+00	2.979E+00	7.962E-02	1.210E
25-40	269	2.912E-02	3.092E+01	6.315E-01	1.327E+00	2.505E+00	-6.035E-01	1.406E
40-60	186	1.200E-02	1.814E+01	2.479E-01	9.594E-01	2.068E+00	-1.302E+00	1.568E
00-05	276	1.149E-01	3.621E+01	4.264E+00	5.578E+00	4.938E+00	1.373E+00	8.862E
00-10	273	2.056E-01	2.552E+01	3.575E+00	4.757E+00	4.117E+00	1.226E+00	8.535E
00-15	270	2.541E-01	2.348E+01	3.174E+00	4.273E+00	3.701E+00	1.117E+00	8.556E
00-25	266	1.732E-01	1.877E+01	2.501E+00	3.426E+00	3.074E+00	8.858E-01	8.655E
00-40	260	1.326E-01	2.333E+01	1.893E+00	2.670E+00	2.518E+00	6.361E-01	8.583E
00-60	177	1.188E-01	2.160E+01	1.538E+00	2.246E+00	2.320E+00	4.380E-01	8.754E

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-15. Cesium-137 radionuclide concentration summary for all soil profiles taken from section E1 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	20	9.143E-01	2.533E+01	6.173E+00	7.529E+00	5.199E+00	1.833E+00	6.530E-01
05-10	19	1.697E+00	2.571E+01	4.513E+00	6.088E+00	5.719E+00	1.535E+00	7.070E-01
10-15	20	1.179E+00	3.206E+01	4.087E+00	6.704E+00	7.297E+00	1.557E+00	7.855E-01
15-25	20	4.761E-01	2.148E+01	3.066E+00	4.345E+00	5.075E+00	9.573E-01	1.028E+00
25-40	19	2.936E-02	7.494E+00	7.529E-01	1.625E+00	1.852E+00	-2.092E-01	1.429E+00
40-60	13	3.029E-02	2.523E+00	3.026E-01	8.629E-01	8.934E-01	-9.150E-01	1.469E+00
00-05	20	9.143E-01	2.533E+01	6.173E+00	7.529E+00	5.199E+00	1.833E+00	6.530E-01
00-10	19	1.893E+00	2.552E+01	4.769E+00	6.820E+00	5.422E+00	1.734E+00	5.723E-01
00-15	19	3.518E+00	2.348E+01	5.383E+00	6.824E+00	5.065E+00	1.756E+00	5.305E-01
00-25	19	2.444E+00	1.873E+01	4.491E+00	5.858E+00	4.754E+00	1.557E+00	6.089E-01
00-40	19	1.761E+00	1.219E+01	3.157E+00	4.271E+00	2.998E+00	1.275E+00	5.735E-01
00-60	12	1.215E+00	8.483E+00	2.622E+00	3.573E+00	2.324E+00	1.098E+00	6.088E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-16. Cesium-137 radionuclide concentration summary for all soil profiles taken from section E2 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	97	2.475E-01	2.077E+01	3.188E+00	4.344E+00	3.672E+00	1.149E+00	8.341E-01
05-10	97	1.636E-01	1.971E+01	2.378E+00	3.293E+00	3.067E+00	8.693E-01	8.193E-01
10-15	95	1.678E-02	2.561E+01	1.829E+00	2.832E+00	3.496E+00	5.914E-01	1.025E+00
15-25	95	8.041E-02	9.408E+00	1.174E+00	1.694E+00	1.664E+00	1.013E-01	9.878E-01
25-40	93	3.392E-02	7.706E+00	7.424E-01	1.226E+00	1.372E+00	-4.386E-01	1.274E+00
40-60	47	2.517E-02	8.770E+00	2.948E-01	1.024E+00	1.774E+00	-1.166E+00	1.604E+00
00-05	97	2.475E-01	2.077E+01	3.188E+00	4.344E+00	3.672E+00	1.149E+00	8.341E-01
00-10	96	2.056E-01	2.024E+01	2.984E+00	3.838E+00	3.279E+00	1.046E+00	8.007E-01
00-15	93	3.364E-01	2.203E+01	2.786E+00	3.566E+00	3.244E+00	9.722E-01	7.788E-01
00-25	92	2.340E-01	1.442E+01	2.179E+00	2.845E+00	2.423E+00	7.638E-01	7.601E-01
00-40	89	1.590E-01	1.012E+01	1.734E+00	2.252E+00	1.811E+00	5.300E-01	7.742E-01
00-60	43	1.188E-01	6.826E+00	1.335E+00	2.056E+00	1.718E+00	3.849E-01	8.681E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-17. Cesium-137 radionuclide concentration summary for all soil profiles taken from section E3 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	42	6.990E-01	2.488E+01	4.283E+00	5.940E+00	5.061E+00	1.519E+00	7.187E-01
05-10	42	5.495E-01	1.336E+01	2.211E+00	3.604E+00	3.264E+00	9.490E-01	8.143E-01
10-15	43	1.538E-01	1.289E+01	1.764E+00	2.817E+00	2.692E+00	5.879E-01	1.027E+00
15-25	43	6.353E-02	1.068E+01	1.319E+00	1.800E+00	1.843E+00	1.487E-01	1.040E+00
25-40	43	2.977E-02	3.291E+00	6.227E-01	8.572E-01	8.296E-01	-8.181E-01	1.353E+00
40-60	33	3.335E-02	4.646E+00	1.493E-01	5.448E-01	9.808E-01	-1.653E+00	1.395E+00
00-05	42	6.990E-01	2.488E+01	4.283E+00	5.940E+00	5.061E+00	1.519E+00	7.187E-01
00-10	41	6.242E-01	1.873E+01	3.453E+00	4.836E+00	3.857E+00	1.314E+00	7.313E-01
00-15	41	5.505E-01	1.453E+01	3.249E+00	4.186E+00	3.133E+00	1.178E+00	7.381E-01
00-25	41	4.575E-01	1.104E+01	2.607E+00	3.236E+00	2.311E+00	9.252E-01	7.442E-01
00-40	41	3.099E-01	7.120E+00	2.080E+00	2.340E+00	1.517E+00	6.139E-01	7.493E-01
00-60	31	2.190E-01	4.788E+00	1.423E+00	1.759E+00	1.110E+00	3.398E-01	7.315E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-18. Cesium-137 radionuclide concentration summary for all soil profiles taken from section E4 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	33	4.127E-01	3.621E+01	4.154E+00	6.951E+00	8.346E+00	1.330E+00	1.158E+00
05-10	33	3.884E-01	1.516E+01	1.731E+00	3.539E+00	3.917E+00	7.379E-01	1.042E+00
10-15	33	2.539E-01	1.058E+01	1.171E+00	2.357E+00	2.688E+00	3.497E-01	1.010E+00
15-25	32	1.236E-01	8.694E+00	1.079E+00	1.898E+00	2.331E+00	-2.971E-02	1.221E+00
25-40	32	4.214E-02	2.654E+00	6.870E-01	8.990E-01	7.351E-01	-5.330E-01	1.063E+00
40-60	25	2.611E-02	3.280E+00	3.645E-01	5.645E-01	6.854E-01	-1.220E+00	1.265E+00
00-05	33	4.127E-01	3.621E+01	4.154E+00	6.951E+00	8.346E+00	1.330E+00	1.158E+00
00-10	33	4.005E-01	2.173E+01	3.440E+00	5.245E+00	5.899E+00	1.097E+00	1.098E+00
00-15	33	3.884E-01	1.756E+01	2.530E+00	4.282E+00	4.654E+00	9.258E-01	1.061E+00
00-25	32	3.495E-01	1.311E+01	1.930E+00	3.396E+00	3.553E+00	7.222E-01	1.031E+00
00-40	31	2.992E-01	9.136E+00	1.549E+00	2.504E+00	2.466E+00	4.726E-01	9.727E-01
00-60	25	2.582E-01	6.310E+00	1.420E+00	1.981E+00	1.738E+00	3.171E-01	8.922E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

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Table C-19. Cesium-137 radionuclide concentration summary for all soil profiles taken from section E5 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	44	4.249E-01	1.858E+01	4.164E+00	5.339E+00	3.858E+00	1.410E+00	7.859E-01
05-10	44	4.581E-01	1.704E+01	2.859E+00	4.055E+00	4.038E+00	9.875E-01	9.362E-01
10-15	44	1.499E-01	1.531E+01	1.693E+00	2.611E+00	3.219E+00	3.784E-01	1.134E+00
15-25	42	4.546E-02	7.613E+00	6.301E-01	1.325E+00	1.877E+00	-5.035E-01	1.301E+00
25-40	42	2.912E-02	8.485E+00	2.572E-01	8.453E-01	1.696E+00	-1.342E+00	1.476E+00
40-60	35	2.618E-02	7.919E+00	1.122E-01	7.582E-01	1.715E+00	-1.704E+00	1.567E+00
00-05	44	4.249E-01	1.858E+01	4.164E+00	5.339E+00	3.858E+00	1.410E+00	7.859E-01
00-10	44	4.415E-01	1.607E+01	3.503E+00	4.697E+00	3.834E+00	1.243E+00	8.179E-01
00-15	44	3.593E-01	1.512E+01	2.846E+00	4.002E+00	3.453E+00	1.062E+00	8.440E-01
00-25	42	2.337E-01	1.099E+01	2.257E+00	2.985E+00	2.593E+00	7.510E-01	8.804E-01
00-40	30	3.300E-01	9.031E+00	1.638E+00	2.255E+00	2.005E+00	5.090E-01	7.878E-01
00-60	33	2.297E-01	7.931E+00	1.132E+00	1.810E+00	1.862E+00	2.280E-01	8.380E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-20. Cesium-137 radionuclide concentration summary for all soil profiles taken from section E6 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	40	1.149E-01	1.445E+01	5.718E+00	6.346E+00	4.114E+00	1.526E+00	1.005E+00
05-10	40	2.967E-01	1.292E+01	3.623E+00	4.783E+00	3.547E+00	1.194E+00	9.927E-01
10-15	40	9.361E-02	1.678E+01	2.962E+00	4.126E+00	3.764E+00	8.959E-01	1.226E+00
15-25	40	4.331E-02	3.070E+01	1.315E+00	3.097E+00	5.096E+00	2.147E-01	1.542E+00
25-40	40	3.788E-02	3.092E+01	8.411E-01	2.771E+00	5.482E+00	-2.250E-01	1.654E+00
40-60	33	1.200E-02	1.814E+01	3.678E-01	L.833E+00	3.784E+00	-9.297E-01	1.848E+00
00-05	40	1.149E-01	1.445E+01	5.718E+00	6.346E+00	4.114E+00	1.526E+00	1.005E+00
00-10	40	3.334E-01	1.369E+01	4.383E+00	5.565E+00	3.657E+00	1.415E+00	9.093E-01
00-15	40	2.541E-01	1.350E+01	3.984E+00	5.085E+00	3.419E+00	1.307E+00	9.472E-01
00-25	40	1.732E-01	1.877E+01	3.485E+00	4.290E+00	3.581E+00	1.080E+00	1.003E+00
00-40	40	1.326E-01	2.333E+01	2.509E+00	3.720E+00	4.051E+00	8.451E-01	1.075E+00
00-60	33	1.625E-01	2.160E+01	1.923E+00	3.103E+00	3.879E+00	6.608E-01	1.006E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-21. Cesium-137 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Aerokojlol Island (B-13).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	12	1.227E-02	4.189E-01	1.470E-01	1.649E-01	1.348E-01	-2.289E+00	1.190E+0(
05-10	13	1.229E-02	2.404E-01	5.205E-02	9.928E-02	8.481E-02	-2.697E+00	9.572E-0
10-15	13	1.154E-02	1.623E-01	4.309E-02	6.643E-02	5.028E-02	-3.006E+00	8.394E-0
15-25	13	7.327E-03	2.040E-01	1.902E-02	4.159E-02	5.453E-02	-3.703E+00	9.891E-0
25-40	12	2.388E-03	1.271E-01	1.779E-02	3.779E-02	4.215E-02	-3.882E+00	1.210E+0(
40-60	4	1.473E-03	1.119E-02	8.279E-03	7.304E-03	4.517E-03	-5.170E+00	9.428E-0
00-05	12	1.227E-02	4.189E-01	1.470E-01	1.649E-01	1.348E-01	-2.289E+00	1.190E+0(
00-10	12	1.496E-02	3.296E-01	1.010E-01	1.341E-01	1.046E-01	-2.389E+00	1.007E+0(
00-15	12	2.876E-02	2.410E-01	8.115E-02	1.120E-01	7.969E-02	-2.452E+00	7.841E-0
00-25	12	2.097E-02	1.522E-01	5.658E-02	7.845E-02	5.082E-02	-2.759E+00	7.006E-0
00-40	11	1.980E-02	1.197E-01	3.977E-02	5.653E-02	3.622E-02	-3.0&4E+00	6.494E-0
00-60	4	1.521E-02	3.003E-02	2.190E-02	2.226E-02	6.252E-03	-3.835E+00	2.866E-0

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-22. Cesium-137 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Lele Island (B-15).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	4	8.421E-02	9.945E-01	2.384E-01	3.889E-01	4.288E-01	-1.469E+00	1.213E+00
05-10	4	5.363E-02	3.760E-01	1.120E-01	1.634E-01	1.444E-01	-2.071E+00	8.074E-01
10-15	4	2.256E-02	2.978E-01	9.488E-02	1.275E-01	1.194E-01	-2.437E+00	1.067E+00
15-25	3	9.373E-02	1.493E-01	1.482E-01	1.304E-01	3.177E-02	-2.059E+00	2.667E-01
25-40	3	8.520E-02	1.413E-01	1.042E-01	1.102E-01	2.851E-02	-2.227E+00	2.545E-01
40-60	2	6.979E-02	2.253E-01	1.475E-01	1.475E-01	1.100E-01	-2.076E+00	8.287E-01
00-05	4	8.421E-02	9.945E-01	2.384E-01	3.889E-01	4.288E-01	-1.469E+00	1.213E+00
00-10	4	6.892E-02	6.852E-01	1.752E-01	2.761E-01	2.846E-01	-1.690E+00	1.034E+00
00-15	4	5.347E-02	5.561E-01	1.484E-01	2.266E-01	2.274E-01	-1.858E+00	9.987E-01
00-25	3	9.872E-02	3.934E-01	1.762E-01	2.228E-01	1.528E-01	-1.662E+00	6.943E-01
00-40	3	1.008E-01	2.778E-01	1.631E-01	1.806E-01	8.981E-02	-1.796E+00	5.073E-01
00-60	1	2.085E-01	2.085E-01	2.085E-01	2.085E-01	0.000E+00	-1.568E+00	0.000E+00

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-23. Cesium-137 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Eneman Island (B-16).

Soil depth (cm)	N[a]	pCi/g dry wt						
		Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	6	[illegible]	[illegible]	2.703E+00	2.569E+00	1.024E+00	8.413E-01	5.584E-01
05-10	6	[illegible]	[illegible]	2.364E+00	2.166E+00	1.427E+00	4.678E-01	1.004E+00
10-15	6	[illegible]	[illegible]	1.833E+00	2.105E+00	1.743E+00	4.324E-01	9.329E-01
15-25	6	[illegible]	[illegible]	1.949E+00	1.774E+00	1.003E+00	3.362E-01	8.905E-01
25-40	6	[illegible]	[illegible]	1.604E+00	1.588E+00	8.631E-01	2.472E-01	8.465E-01
40-60	6	[illegible]	[illegible]	1.452E+00	1.360E+00	8.568E-01	6.562E-02	8.379E-01
00-05	6	[illegible]	[illegible]	2.703E+00	2.569E+00	1.024E+00	8.413E-01	5.584E-01
00-10	6	[illegible]	[illegible]	2.676E+00	2.368E+00	1.138E+00	7.019E-01	7.128E-01
00-15	6	[illegible]	[illegible]	2.489E+00	2.280E+00	1.280E+00	6.308E-01	7.720E-01
00-25	6	[illegible]	[illegible]	2.286E+00	2.077E+00	1.147E+00	5.281E-01	8.053E-01
00-40	6	[illegible]	[illegible]	2.033E+00	1.894E+00	1.021E+00	4.366E-01	8.116E-01
00-60	6	[illegible]	[illegible]	1.752E+00	1.716E+00	9.352E-01	3.415E-01	7.939E-01

NOTE: Specific [illegible] is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-24. Cesium-137 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Enidrik Island (B-17).

Soil depth (cm)	N[a]	pCi/g dry wt						
		Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	32	[illegible]	5.528E+01	1.313E+00	4.417E+00	1.049E+01	1.367E-01	1.655E+00
05-10	32	[illegible]	1.302E+01	8.510E-01	2.163E+00	3.377E+00	-1.608E-01	1.396E+00
10-15	32	[illegible]	1.575E+01	6.154E-01	1.464E+00	2.965E+00	-5.443E-01	1.270E+00
15-25	32	[illegible]	1.246E+01	2.913E-01	1.073E+00	2.514E+00	-1.090E+00	1.420E+00
40-60	27	[illegible]	4.342E+00	2.424E-01	7.280E-01	1.240E+00	-1.383E+00	1.484E+00
00-05	32	[illegible]	1.574E+00	1.700E-01	2.465E-01	2.528E-01	-1.797E+00	8.884E-01
00-10	31	[illegible]	5.528E+01	1.313E+00	4.417E+00	1.049E+01	1.367E-01	1.655E+00
00-15	31	[illegible]	3.225E+01	1.358E+00	3.370E+00	6.734E+00	4.740E-02	1.555E+00
00-25	31	[illegible]	2.279E+01	9.829E-01	2.741E+00	4.982E+00	-7.269E-02	1.487E+00
00-40	30	[illegible]	1.560E+01	7.773E-01	2.087E+00	3.756E+00	-2.662E-01	1.385E+00
00-60	25	[illegible]	1.522E+01	6.578E-01	1.621E+00	2.574E+00	-3.683E-01	1.296E+00
		[illegible]	1.356E+00	5.927E-01	1.074E+00	1.507E+00	-6.020E-01	1.175E+00

NOTE: Specific [illegible] is decay corrected to 1987.
[a] N stands for [illegible] individual samples.

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Table C-25. Cesium-137 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Lukoj Island (B-18).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	3	3.194E+01	3.460E+01	3.417E+01	3.357E+01	1.431E+00	3.513E+00	4.314E-
05-10	3	4.886E+00	3.652E+01	5.087E+00	1.550E+01	1.821E+01	2.270E+00	1.150E+
10-15	3	2.484E+00	1.614E+01	6.620E+00	8.414E+00	7.002E+00	1.860E+00	9.360E-
15-25	3	2.439E+00	1.161E+01	9.150E+00	7.732E+00	4.747E+00	1.852E+00	8.406E-
25-40	3	4.054E-01	2.940E+00	1.298E+00	1.548E+00	1.285E+00	1.455E-01	9.956E-
40-60	2	9.870E-02	1.467E+00	7.830E-01	7.830E-01	9.677E-01	-9.661E-01	1.909E+
00-05	3	3.194E+01	3.460E+01	3.417E+01	3.357E+01	1.431E+00	3.513E+00	4.314E-
00-10	3	1.841E+01	3.556E+01	1.963E+01	2.454E+01	9.571E+00	3.154E+00	3.630E-
00-15	3	1.391E+01	2.909E+01	1.448E+01	1.916E+01	8.602E+00	2.892E+00	4.147E-
00-25	3	9.664E+00	2.210E+01	1.201E+01	1.459E+01	6.606E+00	2.617E+00	4.288E-
00-40	3	6.192E+00	1.430E+01	8.608E+00	9.699E+00	4.161E+00	2.212E+00	4.215E-
00-60	2	4.161E+00	1.002E+01	7.091E+00	7.091E+00	4.143E+00	1.865E+00	6.215E

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-26. Cesium-137 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Jelete Island (B-19).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of lo
00-05	2	1.992E+01	8.271E+01	5.132E+01	5.132E+01	4.440E+01	3.704E+00	1.007E
05-10	2	1.750E+01	3.456E+01	2.603E+01	2.603E+01	1.206E+01	3.203E+00	4.810E
10-15	2	1.035E+01	1.408E+01	1.222E+01	1.222E+01	2.641E+00	2.491E+00	2.178E
15-25	2	5.841E+00	8.236E+00	7.039E+00	7.039E+00	1.694E+00	1.937E+00	2.430E
25-40	2	1.675E+00	6.589E+01	3.378E+01	3.378E+01	4.540E+01	2.352E+00	2.597E
40-60	2	1.126E+00	2.387E+01	1.250E+01	1.250E+01	1.608E+01	1.646E+00	2.159E
00-05	2	1.992E+01	8.271E+01	5.132E+01	5.132E+01	4.440E+01	3.704E+00	1.007
00-10	2	1.871E+01	5.864E+01	3.868E+01	3.868E+01	2.823E+01	3.500E+00	8.076
00-15	2	1.717E+01	4.254E+01	2.986E+01	2.986E+01	1.794E+01	3.297E+00	6.415
00-25	2	1.360E+01	2.786E+01	2.073E+01	2.073E+01	1.009E+01	2.969E+00	5.073
00-40	2	1.804E+01	3.321E+01	2.562E+01	2.562E+01	1.072E+01	3.198E+00	4.314
00-60	2	1.240E+01	3.009E+01	2.125E+01	2.125E+01	1.251E+01	2.961E+00	6.268

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-27. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Kwajalein Island (B-1).

Soil depth (cm)	N[a]	pCi/g dry wt					Mean of logs	SD of logs
		Minimum	Maximum	Median	Mean	SD		
00-05	33	3.931E+01	[illegible]	3.443E+01	7.383E+01	9.472E+01	3.680E+00	1.128E+00
05-10	33	1.574E+01	[illegible]	2.716E+01	5.365E+01	8.748E+01	3.306E+00	1.113E+00
10-15	33	1.228E+01	[illegible]	2.536E+01	4.882E+01	7.526E+01	3.249E+00	1.145E+00
15-25	33	9.819E-0[illegible]	[illegible]	2.172E+01	4.840E+01	9.542E+01	3.116E+00	1.205E+00
25-40	33	6.266E-0[illegible]	[illegible]	1.353E+01	6.744E+01	2.350E+02	2.928E+00	1.316E+00
40-60	30	4.216E-0[illegible]	[illegible]	1.522E+01	9.961E+01	4.356E+02	2.516E+00	1.588E+00
00-05	33	3.931E+01	[illegible]	3.443E+01	7.383E+01	9.472E+01	3.680E+00	1.128E+00
00-10	33	3.526E+01	[illegible]	2.905E+01	6.374E+01	8.421E+01	3.560E+00	1.086E+00
00-15	33	2.760E+01	[illegible]	2.799E+01	5.876E+01	6.999E+01	3.513E+00	1.081E+00
00-25	33	2.049E+01	[illegible]	2.364E+01	5.462E+01	6.995E+01	3.428E+00	1.093E+00
00-40	33	1.516E+01	[illegible]	2.546E+01	5.942E+01	1.249E+02	3.328E+00	1.148E+00
00-60	30	1.344E+01	[illegible]	2.576E+01	7.576E+01	2.301E+02	3.246E+00	1.244E+00

NOTE: Specific activity decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-28. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Iroij Island (B-2).

Soil depth (cm)	N[a]	pCi/g dry wt					Mean of logs	SD of logs
		Minimum	Maximum	Median	Mean	SD		
00-05	10	2.111E+[illegible]	[illegible]	6.088E+00	3.335E+01	5.292E+01	2.384E+00	1.547E+00
05-10	10	2.358E+[illegible]	[illegible]	4.002E+00	9.406E+00	1.238E+01	1.677E+00	9.966E-01
10-15	10	1.621E+[illegible]	[illegible]	4.945E+00	5.987E+00	3.623E+00	1.604E+00	6.700E-01
15-25	10	5.248E-[illegible]	[illegible]	5.506E+00	9.676E+00	1.256E+01	1.605E+00	1.282E+00
25-40	10	5.281E-[illegible]	[illegible]	4.541E+00	4.336E+00	2.035E+00	1.286E+00	7.657E-01
40-60	9	1.167E+[illegible]	[illegible]	3.485E+00	4.491E+00	3.833E+00	1.244E+00	7.535E-01
00-05	10	2.111E+[illegible]	[illegible]	6.088E+00	3.335E+01	5.292E+01	2.384E+00	1.547E+00
00-10	10	2.235E+[illegible]	[illegible]	5.125E+00	2.138E+01	2.950E+01	2.172E+00	1.367E+00
00-15	10	2.030E+[illegible]	[illegible]	5.098E+00	1.625E+01	2.064E+01	2.072E+00	1.225E+00
00-25	10	1.575E+[illegible]	[illegible]	6.727E+00	1.362E+01	1.339E+01	2.071E+00	1.168E+00
00-40	10	1.183E+[illegible]	[illegible]	6.742E+00	1.014E+01	8.701E+00	1.903E+00	1.037E+00
00-60	9	2.373E+[illegible]	[illegible]	8.271E+00	8.919E+00	5.888E+00	1.953E+00	7.710E-01

NOTE: Specific activity decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-29. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Odrik Island (B-3).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	5	1.450E+00	1.557E+01	7.188E+00	7.029E+00	5.652E+00	1.622E+00	9.717E-01
05-10	5	1.647E+00	1.796E+01	1.466E+01	1.080E+01	7.156E+00	2.066E+00	1.024E+00
10-15	5	1.873E+00	1.500E+01	7.629E+00	7.738E+00	5.199E+00	1.813E+00	8.247E-01
15-25	5	2.720E+00	1.619E+01	5.344E+00	8.088E+00	5.740E+00	1.877E+00	7.390E-01
25-40	5	2.225E+00	1.336E+01	4.547E+00	6.198E+00	4.466E+00	1.626E+00	7.001E-01
40-60	4	7.866E-01	1.004E+01	2.786E+00	4.099E+00	4.083E+00	1.023E+00	1.047E+00
00-05	5	1.450E+00	1.557E+01	7.188E+00	7.029E+00	5.652E+00	1.622E+00	9.717E-01
00-10	5	1.548E+00	1.512E+01	1.110E+01	8.913E+00	6.021E+00	1.882E+00	9.910E-01
00-15	5	1.657E+00	1.262E+01	1.225E+01	8.521E+00	5.394E+00	1.873E+00	9.292E-01
00-25	5	2.082E+00	1.392E+01	9.710E+00	8.348E+00	5.154E+00	1.899E+00	8.191E-01
00-40	5	5.257E+00	9.533E+00	7.774E+00	7.542E+00	1.762E+00	1.997E+00	2.449E-01
00-60	4	6.150E+00	7.146E+00	6.550E+00	6.599E+00	4.783E-01	1.885E+00	7.224E-02

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-30. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Lomilik Island (B-4).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	13	2.281E+00	1.175E+02	1.063E+01	2.413E+01	3.154E+01	2.662E+00	1.001E+00
05-10	13	5.007E+00	7.566E+01	1.112E+01	1.674E+01	1.917E+01	2.474E+00	7.648E-01
10-15	13	3.588E+00	7.814E+01	1.060E+01	1.595E+01	1.944E+01	2.413E+00	7.794E-01
15-25	13	4.866E+00	4.602E+01	1.060E+01	1.591E+01	1.393E+01	2.507E+00	6.986E-01
25-40	12	4.896E+00	2.682E+01	1.221E+01	1.207E+01	6.106E+00	2.379E+00	4.954E-01
40-60	12	1.082E+00	2.365E+01	9.489E+00	9.799E+00	6.235E+00	2.015E+00	8.770E-01
00-05	13	2.281E+00	1.175E+02	1.063E+01	2.413E+01	3.154E+01	2.662E+00	1.001E+00
00-10	13	3.644E+00	9.657E+01	1.082E+01	2.043E+01	2.525E+01	2.600E+00	8.522E-0
00-15	13	3.625E+00	9.043E+01	1.038E+01	1.894E+01	2.320E+01	2.554E+00	8.108E-0
00-25	13	4.645E+00	7.258E+01	1.094E+01	1.773E+01	1.809E+01	2.576E+00	7.334E-0
00-40	12	5.490E+00	5.200E+01	1.071E+01	1.518E+01	1.279E+01	2.511E+00	6.146E-0
00-60	12	5.573E+00	3.944E+01	1.064E+01	1.338E+01	9.474E+00	2.441E+00	5.275E-0

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-31. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Aomen Island (B-5).

Soil depth (cm)	N[a]	pCi/g dry wt						
		Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	3	5.426E-01	7.206E+00	6.216E+00	4.655E+00	3.596E+00	1.064E+00	1.452E+00
05-10	3	5.842E-01	1.845E+01	4.198E+00	7.744E+00	9.446E+00	1.271E+00	1.732E+00
10-15	3	2.281E+00	2.131E+01	8.497E+00	1.070E+01	9.702E+00	2.008E+00	1.123E+00
15-25	3	3.838E+00	7.240E+00	4.866E+00	5.315E+00	1.744E+00	1.636E+00	3.206E-01
25-40	3	3.783E+00	1.062E+01	5.196E+00	6.533E+00	3.610E+00	1.780E+00	5.287E-01
40-60	2	2.524E+00	1.279E+01	7.659E+00	7.659E+00	7.263E+00	1.737E+00	1.148E+00
00-05	3	5.426E-01	7.206E+00	6.216E+00	4.655E+00	3.596E+00	1.064E+00	1.452E+00
00-10	3	5.634E-01	1.233E+01	5.702E+00	6.200E+00	5.901E+00	1.226E+00	1.606E+00
00-15	3	1.136E+00	1.105E+01	1.090E+01	7.699E+00	5.684E+00	1.640E+00	1.310E+00
00-25	3	2.217E+00	9.529E+00	8.489E+00	6.745E+00	3.956E+00	1.730E+00	8.106E-01
00-40	3	5.368E+00	7.904E+00	6.724E+00	6.655E+00	1.269E+00	1.885E+00	1.943E-01
00-60	2	6.110E+00	7.844E+00	6.977E+00	6.977E+00	1.226E+00	1.935E+00	1.766E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-32. Strontium-90 radionuclide concentration summary for all soil profiles taken from 1975-1983 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt						
		Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	90	1.795E+00	5.450E+02	4.894E+01	7.934E+01	7.870E+01	3.765E+00	1.143E+00
05-10	90	2.067E+00	3.410E+02	5.164E+01	7.857E+01	7.751E+01	3.800E+00	1.189E+00
10-15	90	9.468E-01	4.139E+02	5.115E+01	7.494E+01	7.792E+01	3.714E+00	1.256E+00
15-25	89	3.856E-01	3.182E+02	3.056E+01	5.456E+01	5.960E+01	3.305E+00	1.437E+00
25-40	82	9.348E-02	3.358E+02	1.939E+01	4.594E+01	6.318E+01	2.825E+00	1.678E+00
40-60	32	1.032E-01	2.661E+02	1.174E+01	3.330E+01	6.033E+01	2.210E+00	1.987E+00
00-05	90	1.795E+00	5.450E+02	4.894E+01	7.934E+01	7.870E+01	3.765E+00	1.143E+00
00-10	90	1.931E+00	4.104E+02	5.530E+01	7.895E+01	7.399E+01	3.820E+00	1.126E+00
00-15	90	1.603E+00	2.764E+02	5.577E+01	7.561E+01	6.732E+01	3.846E+00	1.107E+00
00-25	89	1.234E+00	2.380E+02	5.416E+01	5.730E+01	5.401E+01	3.794E+00	1.060E+00
00-40	82	2.674E+00	2.048E+02	4.655E+01	5.326E+01	4.810E+01	3.674E+00	1.019E+00
00-60	32	2.966E+00	1.946E+02	4.179E+01	5.149E+01	4.873E+01	3.657E+00	9.963E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-33. Strontium-90 radionuclide concentration summary for all soil profiles taken from section B1 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of lo
00-05	2	1.039E+02	1.510E+02	1.275E+02	1.275E+02	3.332E+01	4.831E+00	2.645E
05-10	2	1.368E+02	1.765E+02	1.566E+02	1.566E+02	2.803E+01	5.046E+00	1.799E
10-15	2	1.910E+02	2.261E+02	2.086E+02	2.086E+02	2.480E+01	5.337E+00	1.192E
15-25	2	1.163E+01	3.182E+02	1.649E+02	1.649E+02	2.167E+02	4.108E+00	2.340E
25-40	2	4.574E+01	1.495E+02	9.763E+01	9.763E+01	7.338E+01	4.415E+00	8.376E
40-60	1	7.415E+01	7.415E+01	7.415E+01	7.415E+01	0.000E+00	4.306E+00	0.000E
00-05	2	1.039E+02	1.510E+02	1.275E+02	1.275E+02	3.332E+01	4.831E+00	2.645E
00-10	2	1.204E+02	1.637E+02	1.421E+02	1.421E+02	3.068E+01	4.944E+00	2.177E
00-15	2	1.439E+02	1.845E+02	1.642E+02	1.642E+02	2.872E+01	5.094E+00	1.758E
00-25	2	9.100E+01	2.380E+02	1.645E+02	1.645E+02	1.039E+02	4.992E+00	6.798E
00-40	2	7.403E+01	2.048E+02	1.394E+02	1.394E+02	9.248E+01	4.813E+00	7.196E
00-60	1	1.613E+02	1.613E+02	1.613E+02	1.613E+02	0.000E+00	5.083E+00	0.000E

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-34. Strontium-90 radionuclide concentration summary for all soil profiles taken from section B2 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of lo
00-05	12	1.317E+01	5.450E+02	4.735E+01	1.089E+02	1.496E+02	4.124E+00	1.035E
05-10	12	4.602E+00	2.757E+02	5.414E+01	7.988E+01	7.738E+01	3.882E+00	1.172E
10-15	12	1.146E+00	2.659E+02	2.783E+01	7.165E+01	9.397E+01	3.327E+00	1.592E
15-25	12	4.968E-01	2.349E+02	2.787E+01	6.075E+01	8.391E+01	2.945E+00	1.977E
25-40	10	3.783E-01	1.495E+02	1.684E+01	3.004E+01	4.415E+01	2.437E+00	1.775E
40-60	3	4.904E-01	9.482E+00	9.459E+00	6.477E+00	5.185E+00	1.261E+00	1.709E
00-05	12	1.317E+01	5.450E+02	4.735E+01	1.089E+02	1.496E+02	4.124E+00	1.035E
00-10	12	1.107E+01	4.104E+02	5.223E+01	9.441E+01	1.117E+02	4.067E+00	9.977E
00-15	12	1.008E+01	2.764E+02	5.458E+01	8.682E+01	7.974E+01	4.031E+00	1.029E
00-25	12	9.268E+00	1.930E+02	4.666E+01	7.639E+01	6.596E+01	3.947E+00	9.636E
00-40	10	5.935E+00	1.767E+02	3.690E+01	6.276E+01	5.612E+01	3.715E+00	1.045
00-60	3	1.795E+01	1.209E+02	2.790E+01	5.560E+01	5.681E+01	3.671E+00	9.987

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-35. Strontium-90 radionuclide concentration [illegible] all soil profiles taken from section B3 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	[illegible]	SD of logs
00-05	17	2.600E+00	2.596E+02	4.854E+01	6.779E+01	7.195E+[illegible]	[illegible]	1.391E+00
05-10	17	3.688E+00	2.719E+02	6.033E+01	8.327E+01	8.434E+[illegible]	[illegible]	1.383E+00
10-15	17	2.955E+00	2.416E+02	6.219E+01	8.187E+01	7.745E+[illegible]	[illegible]	1.322E+00
15-25	17	6.544E-01	1.333E+02	2.987E+01	4.465E+01	4.284E+[illegible]	[illegible]	1.512E+00
25-40	15	9.348E-02	1.978E+02	1.731E+01	4.579E+01	5.956E+[illegible]	[illegible]	1.999E+00
40-60	4	1.892E+00	7.810E+01	5.064E+01	4.532E+01	3.381E+[illegible]	[illegible]	1.733E+00
00-05	17	2.600E+00	2.596E+02	4.854E+01	6.779E+01	7.195E+[illegible]	[illegible]	1.391E+00
00-10	17	3.144E+00	2.307E+02	5.514E+01	7.553E+01	7.292E+[illegible]	[illegible]	1.385E+00
00-15	17	3.760E+00	2.338E+02	6.100E+01	7.764E+01	7.225E+[illegible]	[illegible]	1.322E+00
00-25	17	2.741E+00	1.844E+02	6.192E+01	6.444E+01	5.356E+[illegible]	[illegible]	1.308E+00
00-40	15	2.674E+00	1.325E+02	4.918E+01	5.778E+01	4.597E+[illegible]	[illegible]	1.280E+00
00-60	4	5.811E+01	1.132E+02	8.507E+01	8.536E+01	3.032E+[illegible]	[illegible]	3.671E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for [illegible] map sections.
[a] N stands for number of individual samples.

Table C-36. Strontium-90 radionuclide concentration [illegible] all soil profiles taken from section B4 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	[illegible]	SD of logs
00-05	37	1.795E+00	2.374E+02	3.757E+01	5.994E+01	5.759E+[illegible]	[illegible]	1.184E+00
05-10	37	2.067E+00	2.468E+02	4.195E+01	6.567E+01	6.679E+[illegible]	[illegible]	1.189E+00
10-15	37	9.468E-01	2.778E+02	5.407E+01	6.763E+01	6.123E+[illegible]	[illegible]	1.258E+00
15-25	37	3.856E-01	1.428E+02	3.056E+01	4.950E+01	4.441E+[illegible]	[illegible]	1.398E+00
25-40	36	4.186E-01	3.358E+02	2.225E+01	5.709E+01	7.991E+[illegible]	[illegible]	1.809E+00
40-60	17	1.032E-01	2.661E+02	1.255E+01	4.296E+01	7.894E+[illegible]	[illegible]	2.392E+00
00-05	37	1.795E+00	2.374E+02	3.757E+01	5.994E+01	5.759E+[illegible]	[illegible]	1.184E+00
00-10	37	1.931E+00	2.405E+02	4.221E+01	6.280E+01	6.121E+[illegible]	[illegible]	1.164E+00
00-15	37	1.603E+00	2.530E+02	4.536E+01	6.441E+01	5.990E+[illegible]	[illegible]	1.161E+00
00-25	37	1.234E+00	1.801E+02	5.289E+01	5.845E+01	4.479E+[illegible]	[illegible]	1.095E+00
00-40	36	4.379E+00	1.588E+02	4.569E+01	5.804E+01	4.851E+[illegible]	[illegible]	1.048E+00
00-60	17	2.966E+00	1.946E+02	3.503E+01	5.190E+01	5.259E+[illegible]	[illegible]	1.151E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for [illegible] map sections.
[a] N stands for number of individual samples.

Table C-37. Strontium-90 radionuclide concentration summary for all soil profiles taken from section B5 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of l
00-05	15	1.032E+01	1.676E+02	5.213E+01	6.356E+01	4.375E+01	3.907E+00	7.684
05-10	15	2.026E+01	1.991E+02	4.728E+01	8.065E+01	6.516E+01	4.101E+00	7.745
10-15	15	1.342E+01	4.139E+02*	5.097E+01	7.665E+01	9.846E+01	3.936E+00	8.372
15-25	14	6.051E+00	1.847E+02	3.248E+01	6.434E+01	5.648E+01	3.792E+00	9.344
25-40	13	2.705E+00	6.605E+01	1.865E+01	2.775E+01	2.064E+01	2.987E+00	9.482
40-60	5	9.304E+00	1.862E+01	1.205E+01	1.279E+01	3.484E+00	2.522E+00	2.526
00-05	15	1.032E+01	1.676E+02	5.213E+01	6.356E+01	4.375E+01	3.907E+00	7.684
00-10	15	1.849E+01	1.771E+02	5.974E+01	7.211E+01	5.258E+01	4.035E+00	7.251
00-15	15	1.978E+01	2.313E+02	5.630E+01	7.362E+01	5.851E+01	4.051E+00	7.139
00-25	14	2.135E+01	1.913E+02	5.663E+01	7.025E+01	4.725E+01	4.061E+00	6.406
00-40	13	1.778E+01	1.220E+02	4.443E+01	5.396E+01	3.136E+01	3.833E+00	5.849
00-60	5	1.898E+01	8.535E+01	4.742E+01	4.832E+01	2.723E+01	3.733E+00	6.223

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-38. Strontium-90 radionuclide concentration summary for all soil profiles taken from section B6 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of l
00-05	7	1.921E+01	2.179E+02	1.045E+02	1.021E+02	8.127E+01	4.230E+00	1.047
05-10	7	8.182E+00	3.410E+02	2.195E+01	1.063E+02	1.354E+02	3.715E+00	1.578
10-15	7	7.429E+00	2.233E+02	2.436E+01	6.049E+01	7.725E+01	3.446E+00	1.243
15-25	7	5.261E+00	1.553E+02	1.799E+01	4.496E+01	5.315E+01	3.234E+00	1.171
25-40	6	1.642E+00	6.690E+01	2.226E+01	2.818E+01	2.673E+01	2.698E+00	1.446
40-60	2	1.313E+00	1.116E+01	6.237E+00	6.237E+00	6.963E+00	1.342E+00	1.513
00-05	7	1.921E+01	2.179E+02	1.045E+02	1.021E+02	8.127E+01	4.230E+00	1.047
00-10	7	1.546E+01	2.795E+02	7.570E+01	1.042E+02	1.044E+02	4.109E+00	1.186
00-15	7	1.279E+01	2.171E+02	5.363E+01	8.963E+01	9.000E+01	3.971E+00	1.159
00-25	7	1.154E+01	1.924E+02	5.023E+01	7.176E+01	6.797E+01	3.824E+00	1.072
00-40	6	9.238E+00	1.453E+02	3.162E+01	4.927E+01	5.051E+01	3.498E+00	9.784
00-60	2	2.178E+01	2.454E+01	2.316E+01	2.316E+01	1.954E+00	3.141E+00	8.447

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

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Table C-33. Strontium-90 radionuclide concentration summary for all soil profiles [illegible] during the 1978 Terrestrial Survey on Rojkere Island (B-10).

Soil depth (cm)	N	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	[illegible]	5.310E-01	3.041E+01	1.251E+00	1.073E+01	1.704E+01	1.002E+00	2.133E+00
05-10	[illegible]	4.952E-01	1.792E+01	1.327E+00	6.579E+00	9.826E+00	8.220E-01	1.854E+00
10-15	[illegible]	5.372E-01	1.074E+01	4.562E+00	5.312E+00	5.091E+00	1.147E+00	1.448E+00
15-25	[illegible]	2.125E+00	7.510E+00	4.977E+00	4.871E+00	2.694E+00	1.458E+00	6.439E-01
25-40	[illegible]	3.015E-01	5.452E+00	3.457E+00	3.270E+00	2.281E+00	9.443E-01	9.357E-01
40-60	[illegible]	3.015E-01	7.232E+00	4.309E+00	4.148E+00	3.168E+00	1.112E+00	1.084E+00
00-05	[illegible]	5.310E-01	3.041E+01	1.251E+00	1.073E+01	1.704E+01	1.002E+00	2.133E+00
00-10	[illegible]	5.131E-01	2.416E+01	1.289E+00	8.654E+00	1.343E+01	9.239E-01	2.011E+00
00-15	[illegible]	5.545E-01	1.969E+01	2.380E+00	7.540E+00	1.056E+01	1.086E+00	1.795E+00
00-25	[illegible]	[illegible].183E+00	1.380E+01	4.432E+00	6.472E+00	6.552E+00	1.427E+00	1.230E+00
00-40	[illegible]	[illegible].077E+00	9.923E+00	4.815E+00	5.272E+00	4.440E+00	1.314E+00	1.132E+00
00-60	[illegible]	[illegible].019E+00	8.052E+00	5.621E+00	4.897E+00	3.572E+00	1.277E+00	1.105E+00

NOTE: [illegible] activity is decay corrected to 1987.
a N [illegible] number of individual samples.

Table C-34. Strontium-90 radionuclide concentration summary for all soil profiles [illegible] from 1975-1985 on Eneu Island (B-12).

Soil depth (cm)	N	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	[illegible]	3.890E-02	1.850E+01	1.978E+00	3.292E+00	3.471E+00	7.373E-01	9.973E-01
05-10	[illegible]	[illegible].914E-01	2.171E+01	2.198E+00	3.242E+00	3.424E+00	7.625E-01	9.339E-01
10-15	[illegible]	[illegible].252E-01	1.994E+01	2.453E+00	3.751E+00	4.186E+00	8.490E-01	1.000E+00
15-25	[illegible]	3.602E-02	3.325E+01	2.055E+00	3.530E+00	4.951E+00	6.876E-01	1.071E+00
25-40	[illegible]	2.777E-02	4.181E+01	1.762E+00	3.815E+00	6.053E+00	5.546E-01	1.309E+00
40-60	[illegible]	2.024E-03	4.533E+01	5.793E-01	3.640E+00	9.351E+00	-3.826E-01	2.075E+00
00-05	[illegible]	3.890E-02	1.850E+01	1.978E+00	3.292E+00	3.471E+00	7.373E-01	9.973E-01
00-10	[illegible]	[illegible].452E-01	2.010E+01	2.202E+00	3.267E+00	3.403E+00	7.714E-01	9.311E-01
00-15	[illegible]	[illegible].385E-01	1.594E+01	2.313E+00	3.428E+00	3.468E+00	8.292E-01	9.180E-01
00-25	[illegible]	2.173E-01	2.179E+01	2.451E+00	3.469E+00	3.791E+00	8.387E-01	8.910E-01
00-40	[illegible]	[illegible].462E-01	2.930E+01	2.102E+00	3.625E+00	4.406E+00	8.382E-01	9.357E-01
00-60	[illegible]	[illegible].034E-01	3.464E+01	2.107E+00	4.495E+00	7.482E+00	7.235E-01	1.267E+00

NOTE: [illegible] activity is decay corrected to 1987.
a N [illegible] number of individual samples.

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Table C-41. Strontium-90 radionuclide concentration summary for all soil profiles taken from section E1 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	9	1.428E+00	1.201E+01	3.763E+00	4.559E+00	3.009E+00	1.368E+00	5.625E-01
05-10	9	2.480E+00	1.307E+01	4.307E+00	4.917E+00	3.187E+00	1.468E+00	4.861E-01
10-15	9	2.445E+00	1.793E+01	5.076E+00	5.721E+00	4.760E+00	1.549E+00	6.007E-01
15-25	9	2.134E+00	1.926E+01	4.013E+00	6.133E+00	5.520E+00	1.540E+00	7.408E-01
25-40	9	7.656E-01	7.637E+00	4.933E+00	4.547E+00	2.600E+00	1.302E+00	7.736E-01
40-60	6	2.588E-01	5.062E+00	6.487E-01	1.732E+00	1.999E+00	-4.465E-02	1.189E+00
00-05	9	1.428E+00	1.201E+01	3.763E+00	4.559E+00	3.009E+00	1.368E+00	5.625E-01
00-10	9	2.657E+00	1.254E+01	4.216E+00	4.738E+00	3.044E+00	1.436E+00	4.708E-01
00-15	9	2.655E+00	1.434E+01	4.035E+00	5.066E+00	3.562E+00	1.489E+00	4.858E-01
00-25	9	2.477E+00	1.631E+01	3.928E+00	5.492E+00	4.276E+00	1.527E+00	5.727E-01
00-40	9	1.835E+00	1.298E+01	4.289E+00	5.138E+00	3.263E+00	1.492E+00	5.531E-01
00-60	6	1.362E+00	1.034E+01	3.333E+00	4.210E+00	3.227E+00	1.227E+00	6.957E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-42. Strontium-90 radionuclide concentration summary for all soil profiles taken from section E2 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	34	4.743E-01	6.678E+00	1.431E+00	2.070E+00	1.764E+00	4.718E-01	6.824E-01
05-10	34	5.322E-01	6.040E+00	1.966E+00	2.014E+00	1.345E+00	5.058E-01	6.354E-01
10-15	34	2.918E-01	1.308E+01	1.663E+00	2.435E+00	2.325E+00	5.828E-01	7.851E-01
15-25	34	2.709E-01	7.540E+00	1.833E+00	2.485E+00	2.070E+00	5.862E-01	8.367E-01
25-40	33	1.635E-01	1.128E+01	1.469E+00	2.901E+00	2.924E+00	5.682E-01	1.055E+00
40-60	3	2.091E-01	7.195E-01	4.424E-01	4.570E-01	2.555E-01	-9.033E-01	6.226E-01
00-05	34	4.743E-01	6.678E+00	1.431E+00	2.070E+00	1.764E+00	4.718E-01	6.824E-01
00-10	34	5.033E-01	6.205E+00	1.660E+00	2.042E+00	1.467E+00	5.081E-01	6.342E-01
00-15	34	5.255E-01	7.877E+00	1.641E+00	2.173E+00	1.608E+00	5.702E-01	6.330E-01
00-25	34	4.928E-01	7.693E+00	1.831E+00	2.298E+00	1.557E+00	6.222E-01	6.690E-01
00-40	33	4.476E-01	7.638E+00	1.729E+00	2.522E+00	1.882E+00	6.542E-01	7.598E-01
00-60	3	6.191E-01	1.509E+00	1.087E+00	1.072E+00	4.451E-01	5.137E-03	4.506E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-43. Strontium-90 radionuclide concentration summary for all soil profiles taken from section E3 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	12	3.045E-01	5.211E+00	2.485E+00	2.586E+00	1.374E+00	7.560E-01	7.614E-01
05-10	12	2.915E-01	5.596E+00	2.551E+00	2.731E+00	1.744E+00	7.357E-01	8.800E-01
10-15	12	2.982E-01	6.357E+00	2.968E+00	2.969E+00	1.753E+00	8.422E-01	8.557E-01
15-25	12	9.602E-02	6.980E+00	1.851E+00	2.580E+00	2.248E+00	4.874E-01	1.177E+00
25-40	12	2.777E-02	8.302E+00	1.719E+00	2.423E+00	2.398E+00	2.425E-01	1.510E+00
40-60	3	1.782E-02	3.810E-01	3.057E-01	2.348E-01	1.917E-01	-2.059E+00	1.708E+00
00-05	12	3.045E-01	5.211E+00	2.485E+00	2.586E+00	1.374E+00	7.560E-01	7.614E-01
00-10	12	2.980E-01	5.035E+00	2.525E+00	2.659E+00	1.480E+00	7.615E-01	8.002E-01
00-15	12	2.981E-01	5.426E+00	2.625E+00	2.762E+00	1.516E+00	8.064E-01	7.920E-01
00-25	12	2.173E-01	6.048E+00	2.827E+00	2.689E+00	1.536E+00	7.582E-01	8.558E-01
00-40	12	1.462E-01	5.224E+00	2.224E+00	2.590E+00	1.514E+00	6.815E-01	9.586E-01
00-60	3	1.034E-01	1.608E+00	7.273E-01	8.128E-01	7.558E-01	-7.042E-01	1.412E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-44. Strontium-90 radionuclide concentration summary for all soil profiles taken from section E4 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	8	9.890E-02	1.844E+00	8.229E-01	9.021E-01	6.384E-01	-4.456E-01	1.018E+00
05-10	8	1.914E-01	1.909E+00	6.961E-01	8.252E-01	5.994E-01	-4.596E-01	8.222E-01
10-15	8	1.252E-01	1.634E+00	9.022E-01	8.458E-01	4.744E-01	-3.838E-01	8.153E-01
15-25	8	1.948E-01	2.790E+00	5.966E-01	8.845E-01	8.437E-01	-4.512E-01	8.477E-01
25-40	7	8.552E-02	2.622E+00	7.423E-01	1.117E+00	1.056E+00	-4.422E-01	1.293E+00
40-60	3	2.024E-03	5.435E-01	2.997E-01	2.817E-01	2.712E-01	-2.672E+00	3.072E+00
00-05	8	9.890E-02	1.844E+00	8.229E-01	9.021E-01	6.384E-01	-4.456E-01	1.018E+00
00-10	8	1.452E-01	1.601E+00	8.286E-01	8.637E-01	5.800E-01	-4.329E-01	8.974E-01
00-15	8	1.385E-01	1.455E+00	9.550E-01	8.577E-01	4.750E-01	-3.786E-01	8.299E-01
00-25	8	5.461E-01	1.949E+00	7.158E-01	8.684E-01	4.675E-01	-2.342E-01	4.287E-01
00-40	7	4.308E-01	1.516E+00	7.743E-01	9.500E-01	4.172E-01	-1.412E-01	4.685E-01
00-60	3	2.879E-01	9.531E-01	5.778E-01	6.062E-01	3.335E-01	-6.139E-01	6.012E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

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Table C-45. Strontium-90 radionuclide concentration summary for all soil profiles taken from section E5 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of l
00-05	11	1.653E-01	1.850E+01	2.066E+00	4.480E+00	5.788E+00	8.157E-01	1.298
05-10	11	5.022E-01	2.171E+01	2.018E+00	4.683E+00	6.451E+00	9.507E-01	1.062
10-15	11	5.158E-01	1.819E+01	2.277E+00	3.929E+00	5.096E+00	8.784E-01	9.690
15-25	11	4.783E-01	2.224E+01	1.705E+00	3.526E+00	6.294E+00	5.675E-01	1.048
25-40	11	2.455E-01	2.423E+01	9.329E-01	3.152E+00	7.024E+00	1.156E-01	1.239
40-60	5	1.586E+00	1.326E+01	1.968E+00	4.392E+00	5.016E+00	1.096E+00	8.885
00-05	11	1.653E-01	1.850E+01	2.066E+00	4.480E+00	5.788E+00	8.157E-01	1.298
00-10	11	6.448E-01	2.010E+01	2.042E+00	4.581E+00	6.101E+00	9.382E-01	1.058
00-15	11	7.371E-01	1.594E+01	1.948E+00	4.364E+00	5.400E+00	9.643E-01	9.714
00-25	11	9.214E-01	1.749E+01	1.748E+00	4.028E+00	5.344E+00	8.665E-01	9.567
00-40	11	7.388E-01	2.001E+01	1.764E+00	3.700E+00	5.722E+00	7.181E-01	9.729
00-60	5	1.733E+00	1.776E+01	2.149E+00	5.844E+00	6.837E+00	1.325E+00	9.785

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-46. Strontium-90 radionuclide concentration summary for all soil profiles taken from section E6 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of l
00-05	10	2.080E+00	1.348E+01	8.082E+00	7.758E+00	3.861E+00	1.910E+00	5.950
05-10	10	2.130E+00	1.195E+01	6.738E+00	6.872E+00	3.315E+00	1.803E+00	5.529
10-15	10	2.865E+00	1.994E+01	8.136E+00	9.517E+00	5.756E+00	2.086E+00	6.207
15-25	10	6.461E-01	3.325E+01	5.001E+00	7.999E+00	9.590E+00	1.549E+00	1.112
25-40	10	3.178E-01	4.181E+01	6.795E+00	1.046E+01	1.302E+01	1.392E+00	1.687
40-60	4	8.827E-02	4.533E+01	3.333E+00	1.302E+01	2.172E+01	6.272E-01	2.748
00-05	10	2.080E+00	1.348E+01	8.082E+00	7.758E+00	3.861E+00	1.910E+00	5.950
00-10	10	2.105E+00	1.271E+01	7.436E+00	7.315E+00	3.545E+00	1.860E+00	5.705
00-15	10	2.358E+00	1.415E+01	7.759E+00	8.049E+00	3.860E+00	1.961E+00	5.570
00-25	10	2.226E+00	2.179E+01	6.659E+00	8.029E+00	5.744E+00	1.880E+00	6.679
00-40	10	1.932E+00	2.930E+01	6.797E+00	8.939E+00	8.259E+00	1.863E+00	8.484
00-60	4	2.300E+00	3.464E+01	4.488E+00	1.148E+01	1.550E+01	1.830E+00	1.200

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-47. Strontium-90 radionuclide concentration summary for all soil samples taken during the 1978 Terrestrial Survey on Aerokojlol Island (B-13).

		pCi/g dry wt						
	N*	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
		1.327E-01	1.360E+00	5.077E-01	5.973E-01	3.777E-01	-6.878E-01	6.112E-01
		1.731E-01	2.723E+00	4.472E-01	6.919E-01	6.895E-01	-6.766E-01	7.604E-01
		1.139E-01	3.099E+00	3.094E-01	6.859E-01	8.041E-01	-8.080E-01	9.079E-01
		3.174E-02	6.987E-01	2.309E-01	2.993E-01	2.159E-01	-1.495E+00	8.434E-01
	2	2.711E-02	1.186E+00	1.924E-01	3.150E-01	3.319E-01	-1.640E+00	1.069E+00
	7	2.133E-02	7.091E-01	1.528E-01	2.213E-01	2.236E-01	-1.903E+00	1.029E+00
		1.327E-01	1.360E+00	5.077E-01	5.973E-01	3.777E-01	-6.878E-01	6.112E-01
		2.253E-01	2.041E+00	5.094E-01	6.446E-01	5.121E-01	-6.608E-01	6.606E-01
		2.969E-01	2.394E+00	4.041E-01	6.584E-01	5.959E-01	-6.746E-01	6.921E-01
		2.156E-01	1.686E+00	3.624E-01	5.148E-01	4.029E-01	-8.623E-01	6.103E-01
	2	1.351E-01	1.186E+00	2.916E-01	4.520E-01	3.137E-01	-9.871E-01	6.298E-01
	7	1.592E-01	3.815E-01	2.188E-01	2.315E-01	7.220E-02	-1.498E+00	2.743E-01

NOTE: Specific activity is decay corrected to 1987.
* N stands for number of individual samples.

Table C-48. Strontium-90 radionuclide concentration summary for all soil samples taken during the 1978 Terrestrial Survey on Lele Island (B-15).

		pCi/g dry wt						
	N*	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
	4	5.118E-01	6.872E+00	6.739E-01	2.183E+00	3.128E+00	1.141E-01	1.219E+00
	4	5.118E-01	2.973E+00	6.568E-01	1.200E+00	1.190E+00	-1.173E-01	8.313E-01
	4	2.662E-01	1.419E+00	7.060E-01	7.742E-01	5.056E-01	-4.396E-01	7.276E-01
	4	1.088E-01	9.847E-01	6.996E-01	6.232E-01	4.113E-01	-7.642E-01	1.024E+00
	4	1.391E-01	8.093E-01	6.763E-01	5.752E-01	2.985E-01	-7.422E-01	8.256E-01
	2	1.933E-01	5.285E-01	3.609E-01	3.609E-01	2.370E-01	-1.141E+00	7.111E-01
	4	5.118E-01	6.872E+00	6.739E-01	2.183E+00	3.128E+00	1.141E-01	1.219E+00
	4	5.118E-01	4.923E+00	6.653E-01	1.691E+00	2.157E+00	2.062E-02	1.064E+00
	4	4.605E-01	3.755E+00	6.636E-01	1.386E+00	1.587E+00	-8.227E-02	9.700E-01
	4	3.198E-01	2.622E+00	6.902E-01	1.081E+00	1.055E+00	-2.502E-01	9.107E-01
	4	2.520E-01	1.942E+00	6.850E-01	8.911E-01	7.356E-01	-3.744E-01	8.445E-01
	2	2.324E-01	1.471E+00	8.518E-01	8.518E-01	8.759E-01	-5.365E-01	1.305E+00

NOTE: Specific activity is decay corrected to 1987.
* N stands for number of individual samples.

Table C-49. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Eneman Island (B-16).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	6	5.786E-01	3.942E+01	9.453E+00	1.367E+01	1.416E+01	1.983E+00	1.470E+
05-10	6	6.286E-01	2.277E+01	9.905E+00	1.123E+01	9.544E+00	1.840E+00	1.432E+
10-15	6	5.926E-01	2.890E+01	9.884E+00	1.311E+01	1.223E+01	1.917E+00	1.518E+
15-25	6	7.035E-01	3.287E+01	8.742E+00	1.211E+01	1.180E+01	1.936E+00	1.352E+
25-40	6	5.842E-01	3.625E+01	1.042E+01	1.254E+01	1.287E+01	1.908E+00	1.448E+
40-60	6	6.676E-01	1.713E+01	7.910E+00	8.335E+00	6.336E+00	1.695E+00	1.211E+
00-05	6	5.786E-01	3.942E+01	9.453E+00	1.367E+01	1.416E+01	1.983E+00	1.470E+
00-10	6	6.036E-01	3.078E+01	9.679E+00	1.245E+01	1.148E+01	1.927E+00	1.442E+
00-15	6	5.999E-01	2.958E+01	9.747E+00	1.267E+01	1.160E+01	1.928E+00	1.466E+
00-25	6	6.414E-01	3.089E+01	9.345E+00	1.245E+01	1.158E+01	1.937E+00	1.416E+
00-40	6	6.199E-01	3.290E+01	9.748E+00	1.248E+01	1.192E+01	1.931E+00	1.427E+
00-60	6	6.358E-01	2.764E+01	9.135E+00	1.110E+01	1.000E+01	1.863E+00	1.365E+

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-50. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Enidrik Island (B-17).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	32	2.506E-01	6.661E+01	3.687E+00	9.046E+00	1.445E+01	1.367E+00	1.290E
05-10	32	6.316E-01	6.490E+01	3.076E+00	6.407E+00	1.146E+01	1.209E+00	1.062E
10-15	32	6.531E-01	9.946E+01	2.464E+00	8.431E+00	1.950E+01	1.144E+00	1.192E
15-25	32	1.209E-01	4.113E+01	2.211E+00	4.709E+00	7.657E+00	8.611E-01	1.155E
25-40	31	8.661E-02	4.728E+01	1.936E+00	5.025E+00	9.147E+00	8.039E-01	1.239E
40-60	27	2.444E-01	5.222E+00	1.507E+00	1.965E+00	1.453E+00	3.649E-01	8.689E
00-05	32	2.506E-01	6.661E+01	3.687E+00	9.046E+00	1.445E+01	1.367E+00	1.290E
00-10	31	7.156E-01	6.576E+01	3.501E+00	7.780E+00	1.264E+01	1.333E+00	1.149E
00-15	31	7.453E-01	6.302E+01	3.272E+00	8.017E+00	1.263E+01	1.365E+00	1.144E
00-25	31	6.163E-01	5.426E+01	2.879E+00	6.706E+00	1.026E+01	1.263E+00	1.090E
00-40	30	4.270E-01	4.245E+01	2.757E+00	6.209E+00	8.566E+00	1.221E+00	1.086E
00-60	25	4.639E-01	1.664E+01	2.139E+00	4.228E+00	4.018E+00	1.063E+00	8.843E

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-51. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Lukoj Island (B-18).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	3	3.671E+01	1.227E+02	5.489E+01	7.143E+01	4.530E+01	4.139E+00	6.143E-01
05-10	3	2.050E+01	3.059E+01	2.081E+01	2.397E+01	5.742E+00	3.159E+00	2.270E-01
10-15	3	1.550E+01	1.675E+01	1.550E+01	1.591E+01	7.225E-01	2.766E+00	4.484E-02
15-25	3	1.235E+01	1.554E+01	1.527E+01	1.439E+01	1.771E+00	2.661E+00	1.280E-01
25-40	3	5.144E+00	1.363E+01	1.332E+01	1.070E+01	4.812E+00	2.280E+00	5.560E-01
40-60	2	6.536E+00	1.433E+01	1.043E+01	1.043E+01	5.508E+00	2.270E+00	5.549E-01
00-05	3	3.671E+01	1.227E+02	5.489E+01	7.143E+01	4.530E+01	4.139E+00	6.143E-01
00-10	3	2.861E+01	7.664E+01	3.785E+01	4.770E+01	2.548E+01	3.775E+00	5.078E-01
00-15	3	2.465E+01	5.626E+01	3.040E+01	3.710E+01	1.683E+01	3.550E+00	4.288E-01
00-25	3	2.101E+01	3.869E+01	2.435E+01	2.802E+01	9.395E+00	3.298E+00	3.187E-01
00-40	3	1.824E+01	2.611E+01	2.021E+01	2.152E+01	4.096E+00	3.057E+00	1.848E-01
00-60	2	1.694E+01	1.959E+01	1.826E+01	1.826E+01	1.875E+00	2.902E+00	1.028E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-52. Strontium-90 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Jelete Island (B-19).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	2	5.860E+01	1.623E+02	1.104E+02	1.104E+02	7.331E+01	4.580E+00	7.203E-01
05-10	2	4.921E+01	5.251E+01	5.086E+01	5.086E+01	2.335E+00	3.929E+00	4.592E-02
10-15	2	2.420E+01	2.434E+01	2.427E+01	2.427E+01	9.897E-02	3.189E+00	4.078E-03
15-25	2	1.694E+01	2.320E+01	2.007E+01	2.007E+01	4.425E+00	2.987E+00	2.222E-01
25-40	2	4.952E+00	1.144E+01	8.194E+00	8.194E+00	4.585E+00	2.018E+00	5.919E-01
40-60	2	4.506E+00	9.378E+00	6.942E+00	6.942E+00	3.445E+00	1.872E+00	5.182E-01
00-05	2	5.860E+01	1.623E+02	1.104E+02	1.104E+02	7.331E+01	4.580E+00	7.203E-01
00-10	2	5.390E+01	1.074E+02	8.065E+01	8.065E+01	3.782E+01	4.332E+00	4.874E-01
00-15	2	4.400E+01	7.971E+01	6.186E+01	6.186E+01	2.525E+01	4.081E+00	4.201E-01
00-25	2	3.568E+01	5.460E+01	4.514E+01	4.514E+01	1.338E+01	3.787E+00	3.008E-01
00-40	2	2.659E+01	3.598E+01	3.129E+01	3.129E+01	6.643E+00	3.432E+00	2.139E-01
00-60	2	2.085E+01	2.549E+01	2.317E+01	2.317E+01	3.280E+00	3.138E+00	1.420E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-53. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Nam Island (B-1).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	28	4.532E+00	3.833E+02	2.501E+01	6.019E+01	7.641E+01	3.584E+00	9.958E-(
05-10	26	1.426E+00	1.456E+02	2.079E+01	3.722E+01	3.769E+01	3.153E+00	1.044E+(
10-15	29	4.500E-01	7.360E+03	1.643E+01	2.777E+02	1.362E+03	2.954E+00	1.592E+(
15-25	29	1.078E-01	8.779E+02	6.275E+00	4.403E+01	1.612E+02	2.028E+00	1.722E+(
25-40	26	8.995E-03	9.473E+02	2.317E+00	4.585E+01	1.846E+02	9.376E-01	2.463E+(
40-60	26	1.080E-02	2.415E+03	1.931E+00	9.834E+01	4.726E+02	4.137E-01	2.649E+(
00-05	28	4.532E+00	3.833E+02	2.501E+01	6.019E+01	7.641E+01	3.584E+00	9.958E-(
00-10	26	2.979E+00	2.037E+02	2.451E+01	4.995E+01	4.948E+01	3.474E+00	9.858E-(
00-15	26	2.136E+00	2.546E+03	2.703E+01	1.357E+02	4.929E+02	3.463E+00	1.288E+(
00-25	26	1.325E+00	1.879E+03	2.369E+01	1.006E+02	3.636E+02	3.182E+00	1.302E+(
00-40	23	8.313E-01	1.530E+03	1.545E+01	8.665E+01	3.152E+02	2.803E+00	1.430E+(
00-60	21	6.627E-01	1.825E+03	1.057E+01	1.015E+02	3.951E+02	2.500E+00	1.568E+(

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-54. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Iroij Island (B-2).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	10	2.537E+00	2.529E+01	4.153E+00	9.952E+00	9.671E+00	1.874E+00	9.491E-(
05-10	10	1.167E+00	1.583E+01	4.176E+00	5.523E+00	4.581E+00	1.438E+00	7.715E-(
10-15	10	7.000E-01	1.184E+01	2.676E+00	3.848E+00	3.239E+00	1.080E+00	7.716E-(
15-25	10	5.599E-01	1.236E+01	2.539E+00	4.549E+00	4.340E+00	1.060E+00	1.049E+(
25-40	10	3.578E-01	1.269E+01	2.403E+00	3.314E+00	3.696E+00	6.906E-01	1.105E+(
40-60	9	4.054E-02	8.581E+00	1.041E+00	2.146E+00	2.818E+00	-2.292E-01	1.745E+(
00-05	10	2.537E+00	2.529E+01	4.153E+00	9.952E+00	9.671E+00	1.874E+00	9.491E-(
00-10	10	2.563E+00	1.874E+01	3.853E+00	7.738E+00	6.782E+00	1.719E+00	8.273E-(
00-15	10	2.170E+00	1.644E+01	3.918E+00	6.441E+00	5.092E+00	1.601E+00	7.471E-(
00-25	10	1.526E+00	1.451E+01	5.436E+00	5.684E+00	3.802E+00	1.543E+00	6.707E-(
00-40	10	1.088E+00	1.383E+01	4.396E+00	4.796E+00	3.543E+00	1.359E+00	6.847E-
00-60	9	7.389E-01	1.075E+01	3.158E+00	4.052E+00	3.039E+00	1.157E+00	7.670E-

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Plutonium-239+240 radionuclide concentration summary for all soil ken during the 1978 Terrestrial Survey on Odrik Island (B-3).

pCi/g dry wt						
Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
2.793E+00	1.298E+01	4.806E+00	6.082E+00	4.013E+00	1.662E+00	5.722E-01
3.577E+00	1.264E+01	5.590E+00	6.700E+00	3.614E+00	1.799E+00	4.932E-01
1.368E+00	1.045E+01	5.644E+00	5.472E+00	3.376E+00	1.503E+00	7.634E-01
3.941E-01	5.797E+00	4.545E+00	3.763E+00	2.054E+00	1.023E+00	1.107E+00
2.500E-01	8.595E+00	3.275E+00	3.642E+00	3.227E+00	7.764E-01	1.363E+00
1.096E-01	4.000E+00	1.609E+00	1.906E+00	1.962E+00	-1.163E-01	1.870E+00
2.793E+00	1.298E+01	4.806E+00	6.082E+00	4.013E+00	1.662E+00	5.722E-01
3.185E+00	1.281E+01	4.797E+00	6.391E+00	3.787E+00	1.737E+00	5.228E-01
3.339E+00	1.202E+01	5.080E+00	6.085E+00	3.557E+00	1.688E+00	5.233E-01
2.261E+00	9.533E+00	4.886E+00	5.156E+00	2.784E+00	1.524E+00	5.425E-01
1.507E+00	7.679E+00	4.128E+00	4.588E+00	2.431E+00	1.383E+00	6.351E-01
1.041E+00	3.567E+00	3.288E+00	2.632E+00	1.385E+00	8.342E-01	6.887E-01

c activity is decay corrected to 1987.
or number of individual samples.

Plutonium-239+240 radionuclide concentration summary for all soil ken during the 1978 Terrestrial Survey on Lomilik Island (B-4).

pCi/g dry wt						
Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
1.081E+00	6.757E+01	6.666E+00	1.599E+01	1.836E+01	2.200E+00	1.125E+00
2.973E+00	3.027E+01	5.932E+00	1.098E+01	9.512E+00	2.100E+00	7.590E-01
2.342E+00	1.838E+01	4.595E+00	5.597E+00	3.896E+00	1.571E+00	5.349E-01
3.663E-01	2.297E+01	5.045E+00	6.195E+00	5.681E+00	1.416E+00	1.056E+00
9.032E-02	8.626E+00	5.428E+00	4.445E+00	3.136E+00	8.596E-01	1.562E+00
3.784E-02	1.171E+01	4.876E+00	4.487E+00	3.568E+00	7.727E-01	1.751E+00
1.081E+00	6.757E+01	6.666E+00	1.599E+01	1.836E+01	2.200E+00	1.125E+00
2.837E+00	4.892E+01	5.822E+00	1.348E+01	1.371E+01	2.196E+00	8.900E-01
2.778E+00	3.356E+01	5.691E+00	1.098E+01	9.806E+00	2.078E+00	7.929E-01
3.243E+00	2.198E+01	6.009E+00	9.066E+00	6.134E+00	2.007E+00	6.420E-01
2.173E+00	1.607E+01	6.136E+00	7.091E+00	3.786E+00	1.825E+00	5.518E-01
1.461E+00	1.121E+01	6.486E+00	6.146E+00	2.484E+00	1.705E+00	5.531E-01

c activity is decay corrected to 1987.
for number of individual samples.

Table C-57. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Aomen Island (B-5).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	8	6.757E-01	9.806E+00	4.948E+00	4.440E+00	3.120E+00	1.156E+00	9.947E-01
05-10	9	9.860E-02	9.847E+00	4.087E+00	4.084E+00	2.744E+00	9.755E-01	1.353E+00
10-15	8	3.702E-02	7.036E+00	4.347E+00	3.766E+00	2.457E+00	7.385E-01	1.733E+00
15-25	9	3.754E-02	5.644E+00	2.445E+00	2.656E+00	2.084E+00	2.640E-01	1.745E+00
25-40	8	7.833E-02	6.703E+00	2.897E+00	3.208E+00	1.985E+00	7.437E-01	1.389E+00
40-60	4	1.031E+00	7.117E+00	2.103E+00	3.088E+00	2.747E+00	8.631E-01	8.148E-01
00-05	8	6.757E-01	9.806E+00	4.948E+00	4.440E+00	3.120E+00	1.156E+00	9.947E-01
00-10	8	4.556E-01	7.745E+00	4.392E+00	4.168E+00	2.593E+00	1.114E+00	1.011E+00
00-15	7	3.161E-01	6.850E+00	4.176E+00	3.616E+00	2.263E+00	9.421E-01	1.099E+00
00-25	7	2.047E-01	5.426E+00	3.159E+00	3.208E+00	1.871E+00	8.277E-01	1.148E+00
00-40	6	1.620E+00	5.530E+00	3.220E+00	3.463E+00	1.422E+00	1.166E+00	4.404E-01
00-60	4	1.895E+00	4.184E+00	2.861E+00	2.950E+00	1.122E+00	1.025E+00	3.908E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-58. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from 1975-1983 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	88	3.480E-01	6.230E+01	6.592E+00	1.013E+01	1.158E+01	1.752E+00	1.139E+00
05-10	88	2.725E-02	6.553E+01	6.746E+00	1.055E+01	1.220E+01	1.707E+00	1.313E+00
10-15	89	5.518E-02	8.027E+01	5.644E+00	8.899E+00	1.176E+01	1.402E+00	1.433E+00
15-25	83	1.612E-02	3.089E+01	2.590E+00	5.763E+00	6.931E+00	7.542E-01	1.714E+00
25-40	79	1.616E-03	5.716E+01	6.441E-01	4.510E+00	8.978E+00	-3.912E-01	2.308E+00
40-60	30	3.368E-03	2.772E+01	2.336E-01	2.126E+00	5.455E+00	-1.398E+00	2.296E+00
00-05	88	3.480E-01	6.230E+01	6.592E+00	1.013E+01	1.158E+01	1.752E+00	1.139E+00
00-10	88	3.204E-01	5.101E+01	6.800E+00	1.034E+01	1.096E+01	1.812E+00	1.095E+00
00-15	88	2.523E-01	5.074E+01	6.752E+00	9.877E+00	9.850E+00	1.789E+00	1.088E+00
00-25	82	2.089E-01	3.696E+01	6.751E+00	8.496E+00	7.262E+00	1.711E+00	1.051E+00
00-40	77	3.450E-01	2.944E+01	4.989E+00	7.006E+00	6.206E+00	1.520E+00	1.015E+00
00-60	30	3.804E-01	2.887E+01	3.507E+00	6.190E+00	6.284E+00	1.361E+00	1.028E+00

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-59. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section B1 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	2	2.085E+01	2.565E+01	2.325E+01	2.325E+01	3.394E+00	3.141E+00	1.465E-01
05-10	2	1.974E+01	2.494E+01	2.234E+01	2.234E+01	3.677E+00	3.100E+00	1.653E-01
10-15	2	2.042E+01	2.556E+01	2.299E+01	2.299E+01	3.635E+00	3.129E+00	1.588E-01
15-25	2	2.611E+01	3.089E+01	2.850E+01	2.850E+01	3.380E+00	3.346E+00	1.189E-01
25-40	2	1.058E+01	1.440E+01	1.249E+01	1.249E+01	2.701E+00	2.513E+00	2.180E-01
40-60	1	4.775E-01	4.775E-01	4.775E-01	4.775E-01		-7.392E-01	
00-05	2	2.085E+01	2.565E+01	2.325E+01	2.325E+01	3.394E+00	3.141E+00	1.465E-01
00-10	2	2.269E+01	2.290E+01	2.280E+01	2.280E+01	1.414E-01	3.127E+00	6.204E-03
00-15	2	2.194E+01	2.378E+01	2.286E+01	2.286E+01	1.306E+00	3.129E+00	5.715E-02
00-25	2	2.471E+01	2.552E+01	2.512E+01	2.512E+01	5.685E-01	3.223E+00	2.264E-02
00-40	2	1.941E+01	2.135E+01	2.038E+01	2.038E+01	1.368E+00	3.013E+00	6.718E-02
00-60	1	1.439E+01	1.439E+01	1.439E+01	1.439E+01		2.667E+00	

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-60. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section B2 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	12	1.448E+00	6.230E+01	7.034E+00	1.343E+01	1.659E+01	2.126E+00	9.761E-01
05-10	12	2.725E-02	1.727E+01	8.701E+00	8.356E+00	5.503E+00	1.467E+00	1.856E+00
10-15	12	5.518E-02	2.377E+01	2.866E+00	7.633E+00	9.365E+00	9.508E-01	1.856E+00
15-25	10	1.612E-02	2.157E+01	1.020E+00	5.644E+00	8.168E+00	2.820E-01	2.179E+00
25-40	9	1.191E-02	8.167E+00	1.880E-01	1.339E+00	2.729E+00	-1.495E+00	1.995E+00
40-60	3	4.054E-03	1.757E-02	9.009E-03	1.021E-02	6.838E-03	-4.753E+00	7.342E-01
00-05	12	1.448E+00	6.230E+01	7.034E+00	1.343E+01	1.659E+01	2.126E+00	9.761E-01
00-10	12	1.020E+00	3.805E+01	8.352E+00	1.089E+01	9.936E+00	2.013E+00	9.774E-01
00-15	12	9.607E-01	2.657E+01	8.963E+00	9.805E+00	7.712E+00	1.898E+00	1.035E+00
00-25	10	9.003E-01	2.022E+01	6.249E+00	8.372E+00	6.740E+00	1.741E+00	1.024E+00
00-40	9	5.672E-01	1.570E+01	4.178E+00	6.209E+00	4.988E+00	1.464E+00	1.009E+00
00-60	3	2.458E+00	1.047E+01	2.787E+00	5.240E+00	4.536E+00	1.424E+00	8.031E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-61. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section B3 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	17	3.796E-01	3.608E+01	4.532E+00	7.454E+00	8.675E+00	1.434E+00	1.190E+00
05-10	17	7.158E-01	6.553E+01	7.343E+00	1.243E+01	1.677E+01	1.823E+00	1.275E+00
10-15	17	5.297E-01	3.501E+01	8.018E+00	1.021E+01	1.035E+01	1.638E+00	1.395E+00
15-25	16	2.616E-02	1.213E+01	2.540E+00	3.773E+00	4.144E+00	2.407E-01	1.975E+00
25-40	15	7.500E-03	2.833E+01	3.197E-01	4.739E+00	8.365E+00	-6.737E-01	2.550E+00
40-60	4	2.599E-01	5.311E+00	1.076E+00	1.931E+00	2.289E+00	1.126E-01	1.238E+00
00-05	17	3.796E-01	3.608E+01	4.532E+00	7.454E+00	8.675E+00	1.434E+00	1.190E+00
00-10	17	5.477E-01	3.962E+01	5.701E+00	9.942E+00	1.185E+01	1.674E+00	1.228E+00
00-15	17	7.449E-01	3.764E+01	6.473E+00	1.003E+01	1.088E+01	1.717E+00	1.216E+00
00-25	16	4.755E-01	2.673E+01	6.460E+00	7.846E+00	7.311E+00	1.537E+00	1.216E+00
00-40	14	3.450E-01	1.679E+01	4.751E+00	6.571E+00	5.539E+00	1.377E+00	1.222E+00
00-60	4	5.292E+00	1.002E+01	7.761E+00	7.709E+00	2.598E+00	1.998E+00	3.478E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-62. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section B4 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	36	3.480E-01	5.495E+01	4.272E+00	8.430E+00	1.169E+01	1.435E+00	1.228E+00
05-10	36	2.772E-01	5.604E+01	4.941E+00	9.710E+00	1.188E+01	1.600E+00	1.250E+00
10-15	36	1.161E-01	8.027E+01	5.667E+00	9.745E+00	1.519E+01	1.465E+00	1.406E+00
15-25	35	1.437E-01	1.973E+01	3.160E+00	5.880E+00	6.087E+00	9.827E-01	1.481E+00
25-40	35	1.616E-03	5.716E+01	1.381E+00	6.140E+00	1.173E+01	-8.840E-02	2.499E+00
40-60	16	3.368E-03	2.772E+01	2.506E-01	3.383E+00	7.229E+00	-1.008E+00	2.511E+00
00-05	36	3.480E-01	5.495E+01	4.272E+00	8.430E+00	1.169E+01	1.435E+00	1.228E+00
00-10	36	3.204E-01	5.101E+01	4.921E+00	9.070E+00	1.149E+01	1.576E+00	1.174E+00
00-15	36	2.523E-01	5.074E+01	5.011E+00	9.295E+00	1.101E+01	1.617E+00	1.188E+00
00-25	35	2.089E-01	3.696E+01	6.176E+00	8.055E+00	7.656E+00	1.605E+00	1.119E+00
00-40	34	5.689E-01	2.944E+01	4.844E+00	7.294E+00	7.255E+00	1.495E+00	1.067E+00
00-60	16	3.804E-01	2.887E+01	2.946E+00	6.420E+00	7.959E+00	1.171E+00	1.252E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-63. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section B5 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	15	2.960E+00	3.539E+01	8.784E+00	1.274E+01	9.702E+00	2.298E+00	7.230E-01
05-10	15	1.073E+00	4.245E+01	6.592E+00	1.017E+01	1.110E+01	1.872E+00	9.716E-01
10-15	15	2.678E-01	1.384E+01	4.315E+00	5.700E+00	4.933E+00	1.214E+00	1.214E+00
15-25	13	2.829E-01	2.151E+01	3.850E+00	6.811E+00	6.841E+00	1.170E+00	1.505E+00
25-40	12	9.009E-02	6.257E+00	8.526E-01	1.878E+00	2.015E+00	-1.055E-01	1.438E+00
40-60	4	4.414E-02	6.500E-01	2.050E-01	2.760E-01	2.883E-01	-1.876E+00	1.346E+00
00-05	15	2.960E+00	3.539E+01	8.784E+00	1.274E+01	9.702E+00	2.298E+00	7.230E-01
00-10	15	3.255E+00	3.496E+01	6.957E+00	1.145E+01	9.853E+00	2.164E+00	7.254E-01
00-15	15	3.170E+00	2.792E+01	7.063E+00	9.535E+00	7.134E+00	2.039E+00	6.574E-01
00-25	13	2.978E+00	1.829E+01	8.812E+00	8.971E+00	4.723E+00	2.055E+00	5.689E-01
00-40	12	2.131E+00	1.155E+01	5.557E+00	6.225E+00	3.068E+00	1.707E+00	5.316E-01
00-60	4	2.961E+00	6.689E+00	3.493E+00	4.159E+00	1.722E+00	1.370E+00	3.681E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-64. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section B6 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	6	3.596E+00	2.760E+01	4.688E+00	1.038E+01	1.013E+01	1.977E+00	8.955E-01
05-10	6	4.588E-01	3.565E+01	4.460E+00	1.164E+01	1.419E+01	1.624E+00	1.577E+00
10-15	7	2.909E-01	2.363E+01	3.779E+00	6.364E+00	7.962E+00	1.182E+00	1.383E+00
15-25	7	8.458E-02	3.128E+00	1.487E+00	1.452E+00	1.025E+00	-5.201E-02	1.249E+00
25-40	6	4.278E-02	9.851E+00	1.557E-01	1.791E+00	3.951E+00	-1.335E+00	1.955E+00
40-60	2	1.396E-01	1.667E-01	1.531E-01	1.531E-01	1.916E-02	-1.880E+00	1.255E-01
00-05	6	3.596E+00	2.760E+01	4.688E+00	1.038E+01	1.013E+01	1.977E+00	8.955E-01
00-10	6	2.027E+00	3.163E+01	4.179E+00	1.101E+01	1.214E+01	1.893E+00	1.080E+00
00-15	6	1.449E+00	2.896E+01	4.202E+00	9.605E+00	1.080E+01	1.740E+00	1.115E+00
00-25	6	1.938E+00	1.794E+01	3.255E+00	6.435E+00	6.409E+00	1.492E+00	9.063E-01
00-40	6	1.290E+00	1.125E+01	3.967E+00	4.694E+00	3.951E+00	1.210E+00	9.251E-01
00-60	2	1.324E+00	4.068E+00	2.696E+00	2.696E+00	1.941E+00	8.418E-01	7.940E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-65. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Rojkere Island (B-10).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	3	3.559E-01	1.081E+01	1.041E+00	4.069E+00	5.848E+00	4.625E-01	1.746E+00
05-10	3	4.685E-01	6.360E+00	6.892E-01	2.506E+00	3.340E+00	2.399E-01	1.408E+00
10-15	3	1.266E+00	3.090E+00	2.041E+00	2.132E+00	9.154E-01	6.925E-01	4.465E-01
15-25	3	4.505E-01	2.919E+00	1.050E+00	1.473E+00	1.288E+00	1.075E-01	9.357E-01
25-40	3	1.081E-01	2.748E+00	7.162E-01	1.191E+00	1.382E+00	-5.159E-01	1.625E+00
40-60	3	5.180E-02	4.099E+00	6.847E-01	1.612E+00	2.177E+00	-6.428E-01	2.197E+00
00-05	3	3.559E-01	1.081E+01	1.041E+00	4.069E+00	5.848E+00	4.625E-01	1.746E+00
00-10	3	4.122E-01	8.585E+00	8.651E-01	3.287E+00	4.593E+00	3.730E-01	1.583E+00
00-15	3	6.968E-01	6.753E+00	1.257E+00	2.902E+00	3.347E+00	5.925E-01	1.179E+00
00-25	3	8.381E-01	4.232E+00	1.922E+00	2.331E+00	1.734E+00	6.398E-01	8.098E-01
00-40	3	7.924E-01	2.686E+00	2.232E+00	1.903E+00	9.884E-01	5.193E-01	6.578E-01
00-60	3	7.565E-01	2.854E+00	1.808E+00	1.806E+00	1.049E+00	4.539E-01	6.746E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-66. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from 1975-1985 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	84	8.700E-03	4.279E+00	5.650E-01	9.304E-01	9.767E-01	-5.919E-01	1.118E+00
05-10	84	4.030E-02	6.360E+00	6.509E-01	9.576E-01	1.026E+00	-4.889E-01	9.799E-01
10-15	84	8.511E-03	5.315E+00	6.178E-01	9.079E-01	9.595E-01	-5.852E-01	1.104E+00
15-25	83	1.474E-03	7.374E+00	4.685E-01	7.994E-01	1.114E+00	-1.141E+00	1.633E+00
25-40	80	1.821E-04	9.144E+00	1.836E-01	7.657E-01	1.464E+00	-2.067E+00	2.392E+00
40-60	24	2.238E-04	8.018E+00	1.915E-02	5.963E-01	1.685E+00	-3.841E+00	3.007E+00
00-05	84	8.700E-03	4.279E+00	5.650E-01	9.304E-01	9.767E-01	-5.919E-01	1.118E+00
00-10	84	4.758E-02	5.319E+00	5.878E-01	9.440E-01	9.444E-01	-4.794E-01	9.513E-01
00-15	84	4.410E-02	3.705E+00	7.011E-01	9.320E-01	8.336E-01	-4.383E-01	9.022E-01
00-25	83	6.103E-02	4.866E+00	6.369E-01	8.797E-01	8.128E-01	-4.922E-01	8.851E-01
00-40	79	3.821E-02	6.470E+00	5.529E-01	8.482E-01	9.494E-01	-6.024E-01	9.540E-01
00-60	24	2.558E-02	6.986E+00	3.909E-01	8.214E-01	1.441E+00	-9.201E-01	1.201E+00

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-67. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section E1 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	9	2.027E-01	4.054E+00	8.920E-01	1.384E+00	1.133E+00	4.594E-02	8.301E-01
05-10	9	6.910E-01	2.952E+00	9.595E-01	1.229E+00	6.963E-01	1.063E-01	4.359E-01
10-15	9	3.649E-01	1.919E+00	7.530E-01	8.376E-01	4.887E-01	-3.126E-01	5.437E-01
15-25	9	1.847E-02	1.707E+00	6.725E-01	6.380E-01	5.463E-01	-1.072E+00	1.486E+00
25-40	9	1.937E-03	2.752E+00	9.459E-02	4.014E-01	8.866E-01	-2.423E+00	1.952E+00
40-60	6	9.009E-04	4.243E-02	5.207E-03	1.363E-02	1.704E-02	-5.151E+00	1.538E+00
00-05	9	2.027E-01	4.054E+00	8.920E-01	1.384E+00	1.133E+00	4.594E-02	8.301E-01
00-10	9	7.164E-01	3.503E+00	9.166E-01	1.307E+00	8.844E-01	1.282E-01	5.120E-01
00-15	9	7.027E-01	2.532E+00	9.851E-01	1.150E+00	5.600E-01	6.292E-02	3.877E-01
00-25	9	4.290E-01	1.788E+00	8.000E-01	9.454E-01	4.362E-01	-1.465E-01	4.489E-01
00-40	9	2.689E-01	1.475E+00	6.029E-01	7.414E-01	3.992E-01	-4.279E-01	5.437E-01
00-60	6	1.797E-01	8.415E-01	3.557E-01	4.305E-01	2.428E-01	-9.709E-01	5.533E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-68. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section E2 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	34	8.700E-03	2.550E+00	3.835E-01	5.501E-01	5.244E-01	-9.509E-01	9.575E-01
05-10	34	1.170E-01	2.180E+00	5.005E-01	5.575E-01	4.003E-01	-8.101E-01	6.988E-01
10-15	34	8.511E-03	4.401E+00	4.630E-01	7.206E-01	7.877E-01	-7.902E-01	1.121E+00
15-25	34	4.964E-03	3.380E+00	5.020E-01	7.758E-01	8.253E-01	-8.718E-01	1.353E+00
25-40	33	7.207E-04	2.940E+00	3.280E-01	5.978E-01	7.844E-01	-1.701E+00	2.016E+00
40-60	3	2.703E-04	2.618E-02	1.802E-03	9.417E-03	1.454E-02	-6.059E+00	2.298E+00
00-05	34	8.700E-03	2.550E+00	3.835E-01	5.501E-01	5.244E-01	-9.509E-01	9.575E-01
00-10	34	1.245E-01	2.155E+00	4.833E-01	5.538E-01	4.269E-01	-8.050E-01	6.456E-01
00-15	34	1.274E-01	2.904E+00	5.316E-01	6.094E-01	5.162E-01	-7.362E-01	6.855E-01
00-25	34	1.534E-01	2.499E+00	4.921E-01	6.760E-01	5.466E-01	-6.768E-01	7.651E-01
00-40	33	2.122E-01	1.613E+00	4.294E-01	6.478E-01	4.859E-01	-7.475E-01	8.417E-01
00-60	3	7.492E-02	5.681E-01	2.245E-01	2.892E-01	2.529E-01	-1.550E+00	1.014E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-69. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section E3 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	12	7.901E-02	4.038E+00	5.650E-01	1.083E+00	1.185E+00	-3.868E-01	1.034E+00
05-10	12	7.063E-02	3.423E+00	6.276E-01	1.040E+00	1.098E+00	-4.520E-01	1.084E+00
10-15	12	1.157E-01	3.892E+00	9.527E-01	1.262E+00	1.136E+00	-2.315E-01	1.124E+00
15-25	12	1.991E-02	3.598E+00	4.897E-01	7.643E-01	1.009E+00	-1.186E+00	1.653E+00
25-40	10	1.821E-04	1.310E+00	3.775E-01	5.004E-01	4.985E-01	-2.220E+00	2.895E+00
40-60	3	3.011E-04	6.757E-02	1.937E-02	2.908E-02	3.467E-02	-4.916E+00	2.834E+00
00-05	12	7.901E-02	4.038E+00	5.650E-01	1.083E+00	1.185E+00	-3.868E-01	1.034E+00
00-10	12	7.482E-02	3.155E+00	6.016E-01	1.061E+00	9.700E-01	-3.675E-01	1.046E+00
00-15	12	8.845E-02	3.401E+00	8.147E-01	1.128E+00	9.261E-01	-2.328E-01	9.771E-01
00-25	12	6.103E-02	2.585E+00	8.037E-01	9.826E-01	7.231E-01	-3.249E-01	9.564E-01
00-40	10	3.821E-02	1.627E+00	7.775E-01	8.129E-01	5.004E-01	-5.375E-01	1.096E+00
00-60	3	2.558E-02	8.990E-01	2.169E-01	3.805E-01	4.591E-01	-1.767E+00	1.792E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-70. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section E4 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	8	5.130E-02	7.697E-01	2.269E-01	3.531E-01	3.091E-01	-1.493E+00	1.102E+00
05-10	8	4.030E-02	8.122E-01	3.153E-01	3.838E-01	2.906E-01	-1.365E+00	1.118E+00
10-15	8	3.713E-02	8.870E-01	2.995E-01	3.954E-01	3.295E-01	-1.383E+00	1.151E+00
15-25	7	1.474E-03	6.216E-01	3.360E-01	3.089E-01	2.625E-01	-2.259E+00	2.333E+00
25-40	7	7.009E-04	1.698E+00	1.847E-01	3.614E-01	6.022E-01	-2.591E+00	2.552E+00
40-60	3	2.238E-04	1.577E-01	1.486E-02	5.759E-02	8.700E-02	-4.820E+00	3.321E+00
00-05	8	5.130E-02	7.697E-01	2.269E-01	3.531E-01	3.091E-01	-1.493E+00	1.102E+00
00-10	8	4.758E-02	7.910E-01	3.164E-01	3.685E-01	2.795E-01	-1.385E+00	1.074E+00
00-15	8	4.410E-02	8.230E-01	3.461E-01	3.774E-01	2.899E-01	-1.351E+00	1.042E+00
00-25	7	7.782E-02	6.369E-01	1.858E-01	3.119E-01	2.336E-01	-1.454E+00	8.525E-0
00-40	6	6.513E-02	9.605E-01	2.875E-01	3.689E-01	3.226E-01	-1.331E+00	9.361E-0
00-60	3	4.350E-02	3.641E-01	2.309E-01	2.128E-01	1.611E-01	-1.870E+00	1.119E+0

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-71. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section E5 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	11	4.797E-02	4.279E+00	6.070E-01	1.073E+00	1.283E+00	-5.948E-01	1.306E+00
05-10	11	1.086E-01	6.360E+00	5.462E-01	1.273E+00	1.822E+00	-3.957E-01	1.125E+00
10-15	11	4.665E-02	2.712E+00	4.550E-01	6.732E-01	7.309E-01	-8.214E-01	1.024E+00
15-25	11	1.413E-02	3.213E+00	8.020E-02	4.882E-01	9.385E-01	-1.920E+00	1.586E+00
25-40	11	2.252E-03	4.038E+00	2.260E-02	4.644E-01	1.199E+00	-3.499E+00	2.567E+00
40-60	5	4.505E-03	2.387E+00	8.802E-01	9.093E-01	9.404E-01	-1.241E+00	2.494E+00
00-05	11	4.797E-02	4.279E+00	6.070E-01	1.073E+00	1.283E+00	-5.948E-01	1.306E+00
00-10	11	1.318E-01	5.319E+00	5.615E-01	1.173E+00	1.539E+00	-4.159E-01	1.074E+00
00-15	11	2.093E-01	3.705E+00	4.626E-01	1.007E+00	1.112E+00	-4.080E-01	8.899E-01
00-25	11	2.270E-01	2.789E+00	4.255E-01	7.993E-01	8.766E-01	-6.204E-01	8.562E-01
00-40	11	1.588E-01	3.257E+00	3.714E-01	6.737E-01	9.253E-01	-8.869E-01	9.041E-01
00-60	5	3.161E-01	2.967E+00	5.512E-01	1.058E+00	1.092E+00	-2.781E-01	8.569E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-72. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken from section E6 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	10	6.486E-01	3.131E+00	2.240E+00	1.936E+00	8.938E-01	5.328E-01	5.745E-01
05-10	10	8.604E-01	3.464E+00	2.133E+00	2.087E+00	9.718E-01	6.218E-01	5.227E-01
10-15	10	3.784E-01	5.315E+00	1.523E+00	1.852E+00	1.467E+00	3.398E-01	8.058E-01
15-25	10	2.166E-02	7.374E+00	1.063E+00	1.753E+00	2.221E+00	-4.289E-01	1.817E+00
25-40	10	1.396E-02	9.144E+00	1.543E+00	2.528E+00	3.135E+00	-8.578E-01	2.715E+00
40-60	4	2.252E-03	8.018E+00	6.875E-01	2.349E+00	3.832E+00	1.919E+00	3.768E+00
00-05	10	6.486E-01	3.131E+00	2.240E+00	1.936E+00	8.938E-01	5.328E-01	5.745E-01
00-10	10	7.545E-01	3.106E+00	2.200E+00	2.011E+00	8.184E-01	6.014E-01	4.983E-01
00-15	10	7.898E-01	3.194E+00	2.038E+00	1.958E+00	8.507E-01	5.730E-01	4.889E-01
00-25	10	6.216E-01	4.866E+00	1.340E+00	1.876E+00	1.299E+00	4.379E-01	6.403E-01
00-40	10	3.980E-01	6.470E+00	1.762E+00	2.120E+00	1.850E+00	4.044E-01	9.050E-01
00-60	4	3.777E-01	6.986E+00	9.143E-01	2.298E+00	3.144E+00	1.741E-01	1.270E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-73. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Aerokojlol Island (B-13).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	13	2.856E-01	6.914E+00	8.874E-01	1.354E+00	1.716E+00	-5.417E-02	7.615E-01
05-10	13	2.028E-01	1.486E+00	8.108E-01	8.511E-01	3.814E-01	-2.781E-01	5.452E-01
10-15	13	7.333E-02	2.453E+00	8.153E-01	8.778E-01	6.094E-01	-4.125E-01	8.978E-01
15-25	13	9.631E-03	1.214E+00	3.640E-01	4.678E-01	4.386E-01	-1.582E+00	1.641E+00
25-40	12	3.345E-03	1.216E+00	2.741E-01	4.062E-01	4.057E-01	-1.944E+00	2.016E+00
40-60	7	5.923E-03	1.171E+00	2.846E-01	3.572E-01	4.212E-01	-2.049E+00	1.924E+00
00-05	13	2.856E-01	6.914E+00	8.874E-01	1.354E+00	1.716E+00	-5.417E-02	7.615E-01
00-10	13	2.442E-01	3.725E+00	8.960E-01	1.103E+00	8.643E-01	-1.030E-01	6.388E-01
00-15	13	1.872E-01	2.755E+00	8.736E-01	1.028E+00	6.589E-01	-1.560E-01	6.592E-01
00-25	13	1.162E-01	1.887E+00	6.151E-01	8.037E-01	4.922E-01	-4.233E-01	7.287E-01
00-40	12	1.845E-01	1.457E+00	5.503E-01	6.905E-01	4.114E-01	-5.443E-01	6.337E-01
00-60	7	1.250E-01	1.186E+00	4.993E-01	5.108E-01	3.415E-01	-8.726E-01	7.175E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-74. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey from Lele Island (B-15).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	4	4.689E-01	2.723E+00	8.558E-01	1.226E+00	1.031E+00	-3.471E-02	7.726E-01
05-10	4	5.405E-01	1.261E+00	7.903E-01	8.455E-01	3.132E-01	-2.181E-01	3.643E-01
10-15	4	3.838E-01	7.207E-01	5.570E-01	5.546E-01	1.418E-01	-6.153E-01	2.664E-01
15-25	4	1.239E-01	9.081E-01	3.109E-01	4.134E-01	3.437E-01	-1.137E+00	8.253E-01
25-40	4	2.883E-02	6.054E-01	2.297E-01	2.734E-01	2.802E-01	-1.967E+00	1.492E+00
40-60	2	3.604E-02	1.194E-01	7.772E-02	7.772E-02	5.894E-02	-2.724E+00	8.470E-01
00-05	4	4.689E-01	2.723E+00	8.558E-01	1.226E+00	1.031E+00	-3.471E-02	7.726E-01
00-10	4	5.765E-01	1.992E+00	7.871E-01	1.036E+00	6.659E-01	-1.020E-01	5.840E-01
00-15	4	5.183E-01	1.568E+00	7.074E-01	8.753E-01	4.864E-01	-2.366E-01	5.093E-01
00-25	4	4.551E-01	1.045E+00	6.309E-01	6.906E-01	2.564E-01	-4.188E-01	3.544E-01
00-40	4	3.638E-01	6.737E-01	5.495E-01	5.341E-01	1.576E-01	-6.617E-01	3.075E-01
00-60	2	2.546E-01	4.889E-01	3.718E-01	3.718E-01	1.657E-01	-1.042E+00	4.614E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-75. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey from Eneman Island (B-16).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	5	2.297E-01	7.613E+00	3.264E+00	3.323E+00	2.943E+00	6.523E-01	1.398E+00
05-10	5	3.212E-01	6.761E+00	2.047E+00	3.248E+00	3.130E+00	5.909E-01	1.355E+00
10-15	5	2.662E-01	5.878E+00	2.060E+00	2.768E+00	2.473E+00	5.079E-01	1.288E+00
15-25	5	2.523E-01	6.486E+00	1.995E+00	2.903E+00	2.646E+00	5.459E-01	1.308E+00
25-40	5	2.491E-01	5.856E+00	2.030E+00	2.826E+00	2.453E+00	5.468E-01	1.286E+00
40-60	5	3.468E-01	5.135E+00	1.840E+00	2.547E+00	1.926E+00	5.938E-01	1.052E+00
00-05	5	2.297E-01	7.613E+00	3.264E+00	3.323E+00	2.943E+00	6.523E-01	1.398E+00
00-10	5	2.755E-01	7.187E+00	2.655E+00	3.286E+00	2.975E+00	6.377E-01	1.359E+00
00-15	5	2.724E-01	6.751E+00	2.457E+00	3.113E+00	2.806E+00	5.971E-01	1.337E+00
00-25	5	2.643E-01	5.971E+00	2.272E+00	3.029E+00	2.684E+00	5.822E-01	1.324E+00
00-40	5	2.586E-01	5.786E+00	2.181E+00	2.953E+00	2.589E+00	5.708E-01	1.309E+00
00-60	5	2.880E-01	5.569E+00	2.068E+00	2.817E+00	2.354E+00	5.894E-01	1.215E+00

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-76. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Enidrik Island (B-17).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	31	3.146E-01	1.434E+02	2.118E+00	1.067E+01	2.594E+01	1.175E+00	1.426E+00
05-10	31	4.427E-01	2.329E+01	1.384E+00	4.219E+00	5.652E+00	7.069E-01	1.184E+00
10-15	31	5.851E-02	1.935E+01	1.057E+00	2.510E+00	4.007E+00	1.513E-01	1.241E+00
15-25	31	5.423E-02	6.257E+00	7.914E-01	1.388E+00	1.710E+00	-4.794E-01	1.412E+00
25-40	29	2.306E-02	9.315E+00	4.955E-01	1.330E+00	2.294E+00	-1.022E+00	1.840E+00
40-60	26	7.554E-03	1.546E+00	1.754E-01	4.515E-01	5.216E-01	-1.842E+00	1.741E+00
00-05	31	3.146E-01	1.434E+02	2.118E+00	1.067E+01	2.594E+01	1.175E+00	1.426E+00
00-10	30	5.091E-01	7.590E+01	1.616E+00	7.190E+00	1.439E+01	9.717E-01	1.305E+00
00-15	30	4.396E-01	5.141E+01	1.404E+00	5.443E+00	9.831E+00	8.295E-01	1.223E+00
00-25	30	3.340E-01	3.300E+01	1.232E+00	3.807E+00	6.254E+00	5.927E-01	1.165E+00
00-40	28	2.175E-01	2.069E+01	1.175E+00	2.989E+00	4.105E+00	4.119E-01	1.199E+00
00-60	23	1.476E-01	1.381E+01	1.103E+00	2.133E+00	2.904E+00	1.260E-01	1.159E+00

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-77. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Lujok Island (B-18).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	3	4.414E+00	4.297E+01	1.369E+01	2.036E+01	2.012E+01	2.621E+00	1.138E+(
05-10	3	1.974E+00	3.829E+00	3.333E+00	3.045E+00	9.604E-01	1.076E+00	3.494E-(
10-15	3	8.559E-01	3.288E+00	1.667E+00	1.937E+00	1.238E+00	5.152E-01	6.730E-(
15-25	3	2.207E-01	3.468E+00	3.018E-01	1.330E+00	1.852E+00	-4.885E-01	1.508E+(
25-40	3	2.072E-02	1.216E+00	8.018E-02	4.390E-01	6.736E-01	-2.068E+00	2.074E+(
40-60	2	8.108E-03	2.896E-02	1.853E-02	1.853E-02	1.474E-02	-4.178E+00	9.002E-(
00-05	3	4.414E+00	4.297E+01	1.369E+01	2.036E+01	2.012E+01	2.621E+00	1.138E+(
00-10	3	4.121E+00	2.315E+01	7.832E+00	1.170E+01	1.009E+01	2.205E+00	8.723E-(
00-15	3	3.303E+00	1.653E+01	5.507E+00	8.447E+00	7.087E+00	1.902E+00	8.228E-(
00-25	3	2.070E+00	1.131E+01	3.425E+00	5.600E+00	4.987E+00	1.461E+00	8.719E-(
00-40	3	1.302E+00	7.522E+00	2.171E+00	3.665E+00	3.369E+00	1.019E+00	9.021E-(
00-60	2	8.705E-01	1.457E+00	1.164E+00	1.164E+00	4.145E-01	1.187E-01	3.640E-(

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-78. Plutonium-239+240 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Jelete Island (B-19).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	2	6.171E+00	1.910E+01	1.264E+01	1.264E+01	9.142E+00	2.385E+00	7.989E-
05-10	2	6.486E+00	1.788E+01	1.218E+01	1.218E+01	8.057E+00	2.377E+00	7.170E-
10-15	2	1.577E+00	4.775E+00	3.176E+00	3.176E+00	2.261E+00	1.009E+00	7.834E-
15-25	2	6.261E-01	1.982E+00	1.304E+00	1.304E+00	9.588E-01	1.079E-01	8.148E-
25-40	2	1.847E-01	1.261E+00	7.228E-01	7.228E-01	7.611E-01	-7.286E-01	1.358E+
40-60	2	1.216E-01	2.820E-01	2.018E-01	2.018E-01	1.134E-01	-1.686E+00	5.948E-
00-05	2	6.171E+00	1.910E+01	1.264E+01	1.264E+01	9.142E+00	2.385E+00	7.989E-
00-10	2	6.328E+00	1.849E+01	1.241E+01	1.241E+01	8.599E+00	2.381E+00	7.581E-
00-15	2	4.745E+00	1.392E+01	9.331E+00	9.331E+00	6.487E+00	2.095E+00	7.610E-
00-25	2	3.097E+00	9.144E+00	6.121E+00	6.121E+00	4.276E+00	1.672E+00	7.655E-
00-40	2	2.005E+00	6.188E+00	4.096E+00	4.096E+00	2.958E+00	1.259E+00	7.968E-
00-60	2	1.377E+00	4.219E+00	2.798E+00	2.798E+00	2.010E+00	8.799E-01	7.917E-

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-79. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Nam Island (B-1).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	22	2.709E+00	6.435E+01	1.215E+01	1.894E+01	1.763E+01	2.582E+00	8.735E-01
05-10	22	9.039E-01	1.595E+02	1.180E+01	2.178E+01	3.313E+01	2.508E+00	1.079E+00
10-15	24	2.715E-01	4.339E+02	9.728E+00	3.039E+01	8.659E+01	2.308E+00	1.341E+00
15-25	26	5.104E-02	5.588E+02	3.329E+00	2.908E+01	1.084E+02	1.384E+00	1.925E+00
25-40	27	4.471E-03	3.410E+02	1.058E+00	1.825E+01	6.517E+01	3.924E-01	2.409E+00
40-60	23	1.326E-02	6.219E+02	8.009E-01	2.894E+01	1.293E+02	-2.541E-01	2.459E+00
00-05	22	2.709E+00	6.435E+01	1.215E+01	1.894E+01	1.763E+01	2.582E+00	8.735E-01
00-10	21	1.806E+00	1.119E+02	1.316E+01	2.068E+01	2.465E+01	2.585E+00	9.547E-01
00-15	21	1.295E+00	2.193E+02	1.248E+01	2.476E+01	4.608E+01	2.566E+00	1.042E+00
00-25	21	7.973E-01	3.551E+02	8.080E+00	2.880E+01	7.537E+01	2.420E+00	1.131E+00
00-40	21	5.000E-01	3.498E+02	6.385E+00	2.596E+01	7.469E+01	2.125E+00	1.231E+00
00-60	17	3.974E-01	4.405E+02	5.807E+00	3.339E+01	1.051E+02	1.952E+00	1.440E+00

NOTE: ,Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-80. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Iroij Island (B-2).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	8	1.367E+00	1.340E+01	1.874E+00	4.937E+00	4.856E+00	1.179E+00	9.527E-01
05-10	4	1.089E+00	4.811E+00	2.378E+00	2.664E+00	1.598E+00	8.380E-01	6.266E-01
10-15	4	1.562E-01	1.385E+00	7.998E-01	7.852E-01	5.219E-01	-5.067E-01	9.571E-01
15-25	4	2.223E-01	3.101E+00	4.316E-01	1.047E+00	1.373E+00	-5.150E-01	1.143E+00
25-40	4	1.350E-01	2.390E+00	1.106E+00	1.184E+00	1.097E+00	-3.714E-01	1.354E+00
40-60	6	4.393E-02	1.294E+00	4.081E-01	4.717E-01	4.624E-01	-1.288E+00	1.267E+00
00-05	8	1.367E+00	1.340E+01	1.874E+00	4.937E+00	4.856E+00	1.179E+00	9.527E-01
00-10	4	1.367E+00	7.900E+00	3.349E+00	3.991E+00	3.009E+00	1.148E+00	8.104E-01
00-15	3	1.733E+00	5.592E+00	3.402E+00	3.576E+00	1.935E+00	1.165E+00	5.881E-01
00-25	3	2.229E+00	3.513E+00	2.280E+00	2.674E+00	7.268E-01	9.607E-01	2.563E-01
00-40	3	1.537E+00	2.246E+00	2.110E+00	1.965E+00	3.763E-01	6.620E-01	2.034E-01
00-60	3	1.039E+00	1.593E+00	1.528E+00	1.387E+00	3.027E-01	3.095E-01	2.355E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-81. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Odrik Island (B-3).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	4	2.640E+00	6.072E+00	2.939E+00	3.647E+00	1.626E+00	1.232E+00	3.859E-0
05-10	4	2.426E+00	5.919E+00	3.535E+00	3.853E+00	1.493E+00	1.296E+00	3.732E-0
10-15	4	5.824E-01	4.132E+00	2.708E+00	2.533E+00	1.537E+00	7.061E-01	8.753E-0
15-25	4	1.608E-01	5.428E+00	2.824E+00	2.809E+00	2.161E+00	4.830E-01	1.573E+0
25-40	4	9.662E-02	4.456E+00	1.052E+00	1.664E+00	1.925E+00	-1.981E-01	1.596E+0
40-60	3	3.947E-02	1.066E+00	1.748E-01	4.268E-01	5.5'7E-01	-1.637E+00	1.651E+0
00-05	4	2.640E+00	6.072E+00	2.939E+00	3.647E+00	1.626E+00	1.232E+00	3.859E-0
00-10	4	2.746E+00	5.995E+00	3.130E+00	3.750E+00	1.510E+00	1.271E+00	3.535E-0
00-15	4	2.025E+00	5.092E+00	3.131E+00	3.345E+00	1.319E+00	1.150E+00	3.917E-0
00-25	4	1.279E+00	5.227E+00	3.008E+00	3.131E+00	1.643E+00	1.022E+00	5.884E-0
00-40	4	8.357E-01	3.769E+00	2.859E+00	2.581E+00	1.437E+00	7.866E-01	7.125E-0
00-60	3	5.703E-01	2.558E+00	1.868E+00	1.599E+00	9.954E-01	2.963E-01	7.731E-0

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-82. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Lomilik Island (B-4).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
0-05	16	1.250E+00	1.256E+01	2.953E+00	4.344E+00	3.210E+00	1.258E+00	6.454E-0
05-10	16	8.956E-01	7.387E+00	2.494E+00	3.114E+00	1.994E+00	9.592E-01	6.073E-0
10-15	16	4.460E-01	7.365E+00	1.804E+00	2.191E+00	1.786E+00	5.082E-01	7.777E-0
15-25	16	9.225E-02	8.662E+00	1.983E+00	2.197E+00	2.104E+00	2.496E-01	1.276E+0
25-40	15	4.509E-02	3.890E+00	1.755E+00	1.687E+00	1.329E+00	-1.371E-01	1.503E+0
40-60	15	1.351E-02	5.320E+00	7.518E-01	1.530E+00	1.638E+00	-5.669E-01	1.808E+0
00-05	16	1.250E+00	1.256E+01	2.953E+00	4.344E+00	3.210E+00	1.258E+00	6.454E-0
00-10	16	1.383E+00	9.471E+00	2.625E+00	3.729E+00	2.458E+00	1.145E+00	5.811E-0
00-15	16	1.495E+00	7.545E+00	2.577E+00	3.216E+00	1.801E+00	1.044E+00	4.960E-0
00-25	16	1.177E+00	6.152E+00	2.385E+00	2.809E+00	1.462E+00	9.259E-01	4.625E-0
00-40	15	8.276E-01	4.310E+00	2.201E+00	2.255E+00	9.029E-01	7.294E-01	4.437E-0
00-60	15	5.880E-01	3.$62E+00	1.902E+00	2.013E+00	9.085E-01	5.753E-01	5.597E-0

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-83. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Aomen Island (B-5).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	9	2.751E-01	6.698E+00	2.850E+00	2.818E+00	2.225E+00	6.045E-01	1.140E+00
05-10	9	6.577E-02	3.837E+00	1.959E+00	1.736E+00	1.137E+00	1.321E-01	1.270E+00
10-15	9	2.442E-02	3.843E+00	1.902E+00	1.621E+00	1.256E+00	-9.802E-02	1.552E+00
15-25	9	4.509E-02	3.358E+00	9.432E-01	1.275E+00	1.172E+00	-4.830E-01	1.595E+00
25-40	9	2.912E-02	3.924E+00	1.773E+00	1.786E+00	1.171E+00	1.172E-01	1.461E+00
40-60	5	4.073E-02	3.578E+00	6.586E-01	1.137E+00	1.406E+00	-6.393E-01	1.634E+00
00-05	9	2.751E-01	6.698E+00	2.850E+00	2.818E+00	2.225E+00	6.045E-01	1.140E+00
00-10	9	2.166E-01	4.704E+00	2.050E+00	2.277E+00	1.573E+00	4.514E-01	1.095E+00
00-15	9	1.525E-01	3.966E+00	2.064E+00	2.058E+00	1.271E+00	3.898E-01	1.066E+00
00-25	9	1.096E-01	2.875E+00	1.884E+00	1.745E+00	1.015E+00	2.462E-01	1.056E+00
00-40	9	7.416E-01	2.611E+00	1.909E+00	1.760E+00	6.865E-01	4.867E-01	4.390E-01
00-60	5	7.139E-01	2.014E+00	9.309E-01	1.283E+00	6.437E-01	1.489E-01	4.980E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-84. Americium-241 radionuclide concentration summary for all soil profiles taken from 1975-1984 section on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	158	9.910E-02	6.572E+01	3.717E+00	7.051E+00	9.332E+00	1.331E+00	1.186E+00
05-10	152	2.224E-01	6.081E+01	3.931E+00	6.556E+00	7.577E+00	1.300E+00	1.157E+00
10-15	143	3.023E-02	6.250E+01	2.983E+00	5.598E+00	7.973E+00	9.492E-01	1.361E+00
15-25	119	6.689E-03	2.520E+01	9.955E-01	3.721E+00	5.415E+00	2.267E-01	1.629E+00
25-40	92	5.509E-03	2.512E+01	5.822E-01	2.730E+00	4.737E+00	-5.737E-01	2.072E+00
40-60	34	8.000E-04	1.635E+01	3.406E-01	1.257E+00	3.163E+00	-1.852E+00	2.406E+00
00-05	158	9.910E-02	6.572E+01	3.717E+00	7.051E+00	9.332E+00	1.331E+00	1.186E+00
00-10	152	3.300E-01	3.770E+01	4.459E+00	6.906E+00	7.069E+00	1.417E+00	1.096E+00
00-15	141	3.440E-01	4.069E+01	4.496E+00	6.453E+00	6.169E+00	1.389E+00	1.067E+00
00-25	114	2.963E-01	3.363E+01	4.181E+00	5.420E+00	5.150E+00	1.228E+00	1.055E+00
00-40	85	1.916E-01	3.044E+01	3.207E+00	4.503E+00	4.652E+00	9.941E-01	1.110E+00
00-60	34	1.809E-01	2.056E+01	1.938E+00	3.381E+00	3.969E+00	6.764E-01	1.097E+00

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-85. Americium-241 radionuclide concentration summary for all soil profiles taken from section B1 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	2	8.730E+00	1.315E+01	1.094E+01	1.094E+01	3.125E+00	2.372E+00	2.897E-01
05-10	2	1.046E+01	1.473E+01	1.259E+01	1.259E+01	3.019E+00	2.519E+00	2.421E-01
10-15	2	1.148E+01	1.519E+01	1.333E+01	1.333E+01	2.623E+00	2.581E+00	1.980E-01
15-25	2	1.243E+01	1.795E+01	1.519E+01	1.519E+01	3.903E+00	2.704E+00	2.598E-01
25-40	1	3.045E+00	3.045E+00	3.045E+00	3.045E+00	0.000E+00	1.114E+00	0.000E+00
40-60	1	3.590E-01	3.590E-01	3.590E-01	3.590E-01	0.000E+00	-1.024E+00	0.000E+00
00-05	2	8.730E+00	1.315E+01	1.094E+01	1.094E+01	3.125E+00	2.372E+00	2.897E-01
00-10	2	9.595E+00	1.394E+01	1.177E+01	1.177E+01	3.072E+00	2.448E+00	2.641E-01
00-15	2	1.022E+01	1.436E+01	1.229E+01	1.229E+01	2.923E+00	2.494E+00	2.401E-01
00-25	2	1.331E+01	1.359E+01	1.345E+01	1.345E+01	1.923E-01	2.599E+00	1.430E-02
00-40	1	9.633E+00	9.633E+00	9.633E+00	9.633E+00	0.000E+00	2.265E+00	0.000E+00
00-60	1	6.542E+00	6.542E+00	6.542E+00	6.542E+00	0.000E+00	1.878E+00	0.000E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-86. Americium-241 radionuclide concentration summary for all soil profiles taken from section B2 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	18	4.229E-01	4.190E+01	4.290E+00	7.553E+00	9.235E+00	1.581E+00	9.731E-01
05-10	17	2.224E-01	6.081E+01	5.162E+00	9.009E+00	1.383E+01	1.503E+00	1.363E+00
10-15	17	3.023E-02	1.624E+01	3.511E+00	5.278E+00	5.142E+00	7.599E-01	1.814E+00
15-25	16	6.689E-03	1.883E+01	6.054E-01	4.815E+00	7.278E+00	-4.486E-02	2.185E+00
25-40	11	5.509E-03	8.070E+00	1.389E-01	2.111E+00	3.058E+00	-1.392E+00	2.605E+00
40-60	3	2.252E-03	3.423E-02	4.505E-03	1.366E-02	1.785E-02	-4.958E+00	1.414E+00
00-05	18	4.229E-01	4.190E+01	4.290E+00	7.553E+00	9.235E+00	1.581E+00	9.731E-01
00-10	17	3.415E-01	3.516E+01	5.565E+00	8.417E+00	9.019E+00	1.661E+00	1.086E+00
00-15	16	3.440E-01	1.802E+01	5.516E+00	6.197E+00	4.523E+00	1.461E+00	1.043E+00
00-25	14	5.074E-01	1.348E+01	4.348E+00	6.035E+00	4.762E+00	1.395E+00	1.044E+00
00-40	9	3.192E-01	1.145E+01	3.321E+00	4.922E+00	4.243E+00	1.093E+00	1.212E+00
00-60	3	1.304E+00	5.598E+00	2.216E+00	3.039E+00	2.263E+00	9.277E-01	7.376E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-87. Americium-241 radionuclide concentration summary for all soil profiles taken from section B3 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	56	2.860E-01	6.120E+01	4.099E+00	7.372E+00	9.556E+00	1.391E+00	1.167E+00
05-10	53	3.741E-01	2.841E+01	3.632E+00	5.829E+00	6.055E+00	1.203E+00	1.144E+00
10-15	46	2.747E-01	2.764E+01	1.691E+00	4.459E+00	5.822E+00	7.445E-01	1.255E+00
15-25	31	1.593E-02	1.245E+01	9.626E-01	2.091E+00	2.860E+00	-1.163E-01	1.475E+00
25-40	17	7.180E-03	1.554E+01	7.126E-01	2.707E+00	4.323E+00	-2.594E-01	1.923E+00
40-60	8	5.000E-01	9.288E+00	6.417E-01	1.948E+00	3.057E+00	1.191E-02	1.048E+00
00-05	56	2.860E-01	6.120E+01	4.099E+00	7.372E+00	9.556E+00	1.391E+00	1.167E+00
00-10	53	3.300E-01	3.770E+01	4.687E+00	6.753E+00	6.834E+00	1.405E+00	1.097E+00
00-15	46	4.666E-01	2.554E+01	4.584E+00	6.188E+00	5.553E+00	1.374E+00	1.043E+00
00-25	30	3.022E-01	1.425E+01	4.181E+00	4.383E+00	3.373E+00	1.075E+00	1.046E+00
00-40	17	1.916E-01	1.120E+01	2.411E+00	3.716E+00	3.435E+00	7.394E-01	1.244E+00
00-60	8	4.216E-01	7.704E+00	1.683E+00	3.199E+00	3.042E+00	6.721E-01	1.112E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for locations of map sections.
[a] N stands for number of individual samples.

Table C-88. Americium-241 radionuclide concentration summary for all soil profiles taken from section B4 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	50	1.847E-01	2.747E+01	2.786E+00	5.109E+00	5.829E+00	1.029E+00	1.177E+00
05-10	50	3.091E-01	3.210E+01	3.151E+00	6.559E+00	6.952E+00	1.253E+00	1.225E+00
10-15	50	1.143E-01	6.250E+01	3.740E+00	7.280E+00	1.139E+00	1.154E+00	1.372E+00
15-25	47	6.126E-02	2.520E+01	1.261E+00	4.636E+00	6.216E+00	5.016E-01	1.620E+00
25-40	41	9.500E-03	2.512E+01	7.752E-01	3.719E+00	5.979E+00	-2.932E-01	2.215E+00
40-60	15	8.000E-04	1.635E+01	1.351E-01	1.718E+00	4.171E+00	-1.971E+00	2.801E+00
00-05	50	1.847E-01	2.747E+01	2.786E+00	5.109E+00	5.829E+00	1.029E+00	1.177E+00
00-10	50	3.651E-01	2.978E+01	4.114E+00	5.834E+00	6.101E+00	1.196E+00	1.155E+00
00-15	50	4.188E-01	4.069E+01	3.893E+00	6.316E+00	7.296E+00	1.243E+00	1.178E+00
00-25	46	2.963E-01	3.363E+01	3.938E+00	5.861E+00	6.375E+00	1.209E+00	1.154E+00
00-40	40	2.038E-01	3.044E+01	4.258E+00	5.311E+00	5.821E+00	1.099E+00	1.188E+00
00-60	15	1.809E-01	2.056E+01	1.434E+00	3.806E+00	5.432E+00	5.361E-01	1.350E+00

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-89. Americium-241 radionuclide concentration summary for all soil profiles taken from section B5 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	19	1.870E+00	6.572E+01	6.806E+00	1.193E+01	1.558E+01	1.987E+00	9.449E-01
05-10	19	1.164E+00	2.175E+01	3.548E+00	5.705E+00	5.483E+00	1.374E+00	8.604E-01
10-15	17	3.455E-01	1.260E+01	4.194E+00	4.505E+00	3.551E+00	1.054E+00	1.133E+00
15-25	14	1.655E-01	9.432E+00	1.609E+00	2.942E+00	3.124E+00	4.113E-01	1.315E+00
25-40	14	2.613E-02	1.910E+00	3.317E-01	5.482E-01	5.980E-01	-1.193E+00	1.222E+00
40-60	4	1.712E-02	3.223E-01	7.010E-02	1.199E-01	1.433E-01	-2.812E+00	1.431E+00
00-05	19	1.870E+00	6.572E+01	6.806E+00	1.193E+01	1.558E+01	1.987E+00	9.449E-01
00-10	19	2.085E+00	3.463E+01	4.299E+00	8.819E+00	8.502E+00	1.825E+00	8.298E-01
00-15	17	1.983E+00	2.484E+01	4.681E+00	7.671E+00	6.382E+00	1.754E+00	7.585E-01
00-25	14	1.962E+00	1.704E+01	4.714E+00	6.085E+00	4.546E+00	1.588E+00	6.607E-01
00-40	11	1.709E+00	6.576E+00	3.109E+00	3.187E+00	1.474E+00	1.077E+00	4.115E-01
00-60	4	1.549E+00	3.426E+00	1.938E+00	2.213E+00	8.526E-01	7.441E-01	3.555E-01

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

Table C-90. Americium-241 radionuclide concentration summary for all soil profiles taken from section B6 on Bikini Island (B-6).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	13	9.910E-02	1.780E+01	2.369E+00	4.713E+00	5.773E+00	7.690E-01	1.455E+0
05-10	11	5.600E-01	2.053E+01	3.360E+00	6.624E+00	7.540E+00	1.314E+00	1.139E+0
10-15	11	1.400E-01	1.253E+01	2.650E+00	3.495E+00	3.511E+00	7.084E-01	1.264E+0
15-25	9	1.940E-01	6.748E+00	7.300E-01	1.276E+00	2.070E+00	-3.818E-01	1.038E+0
25-40	8	4.563E-02	1.050E+01	2.304E-01	2.339E+00	3.828E+00	-6.812E-01	1.972E+0
40-60	3	6.757E-02	3.609E-01	7.207E-02	1.668E-01	1.681E-01	-2.115E+00	9.492E-0
00-05	13	9.910E-02	1.780E+01	2.369E+00	4.713E+00	5.773E+00	7.690E-01	1.455E+0
00-10	11	5.545E-01	1.910E+01	2.738E+00	5.985E+00	6.765E+00	1.213E+00	1.135E+0
00-15	10	6.063E-01	1.560E+01	3.555E+00	5.519E+00	5.348E+00	1.234E+00	1.086E+0
00-25	8	6.172E-01	5.992E+00	2.196E+00	2.529E+00	1.951E+00	6.462E-01	8.331E-0
00-40	7	4.296E-01	7.010E+00	1.534E+00	2.593E+00	2.335E+00	5.764E-01	9.730E-(
00-60	3	6.223E-01	4.794E+00	2.338E+00	2.585E+00	2.097E+00	6.474E-01	1.036E+(

NOTE: Specific activity is decay corrected to 1987; see Fig. A-1 for location of map sections.
[a] N stands for number of individual samples.

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Table C-91. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Rojkere Island (B-10).

Depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
[illegible]	3	2.256E-01	6.932E+00	5.452E-01	2.568E+00	3.783E+00	-5.167E-02	1.777E+00
[illegible]	3	2.427E-01	3.742E+00	6.514E-01	1.545E+00	1.913E+00	-1.750E-01	1.385E+00
[illegible]	3	3.735E-01	1.975E+00	1.355E+00	1.236E+00	8.049E-01	4.277E-03	8.658E-01
[illegible]	3	[illegible].995E-01	1.927E+00	5.486E-01	8.917E-01	9.134E-01	-5.188E-01	1.136E+00
[illegible]	3	5.775E-02	1.590E+00	3.767E-01	6.748E-01	8.085E-01	-1.121E+00	1.662E+00
[illegible]	3	[illegible].723E-02	2.492E+00	4.775E-01	9.956E-01	1.316E+00	-1.296E+00	2.533E+00
[illegible]	3	2.256E-01	6.932E+00	5.452E-01	2.568E+00	3.783E+00	-5.167E-02	1.777E+00
[illegible]	3	2.347E-01	5.337E+00	5.983E-01	2.057E+00	2.847E+00	-9.622E-02	1.603E+00
[illegible]	3	2.226E-01	4.216E+00	8.505E-01	1.783E+00	2.126E+00	4.450E-03	1.359E+00
[illegible]	3	3.890E-01	2.610E+00	1.281E+00	1.427E+00	1.117E+00	8.759E-02	9.617E-01
[illegible]	3	3.844E-01	1.653E+00	1.397E+00	1.145E+00	6.707E-01	-3.981E-02	7.980E-01
[illegible]	3	4.154E-01	1.762E+00	1.108E+00	1.095E+00	6.734E-01	-6.997E-02	7.377E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-92. Americium-241 radionuclide concentration summary for all soil profiles taken from 1975-1985 section on Eneu Island (B-12).

Depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
[illegible]-05	210	2.820E-02	5.419E+00	4.120E-01	6.468E-01	7.130E-01	-8.557E-01	9.091E-01
[illegible]-10	217	2.703E-02	5.649E+00	3.900E-01	6.843E-01	8.591E-01	-8.677E-01	9.621E-01
[illegible]-15	201	2.827E-02	5.221E+00	4.272E-01	6.946E-01	7.988E-01	-8.409E-01	9.842E-01
[illegible]-25	188	9.230E-04	6.604E+00	3.616E-01	5.945E-01	8.067E-01	-1.152E+00	1.300E+00
[illegible]-40	143	1.750E-04	8.099E+00	3.038E-01	6.153E-01	9.905E-01	-1.650E+00	2.042E+00
[illegible]-60	193	8.482E-05	5.635E+00	7.878E-02	2.643E-01	6.190E-01	-2.484E+00	1.594E+00
[illegible]-05	210	2.820E-02	5.419E+00	4.120E-01	6.468E-01	7.130E-01	-8.557E-01	9.091E-01
[illegible]-10	190	3.080E-02	5.534E+00	4.317E-01	7.048E-01	7.979E-01	-7.693E-01	8.954E-01
[illegible]-15	162	4.807E-02	5.430E+00	4.466E-01	7.443E-01	7.845E-01	-6.962E-01	8.879E-01
[illegible]-25	137	3.919E-02	5.344E+00	4.500E-01	7.093E-01	7.446E-01	-7.298E-01	8.811E-01
[illegible]-40	105	2.456E-02	5.568E+00	4.302E-01	6.601E-01	7.559E-01	-8.513E-01	9.547E-01
[illegible]-60	64	1.640E-02	5.590E+00	4.292E-01	6.360E-01	8.129E-01	-9.559E-01	1.043E+00

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-93. Americium-241 radionuclide concentration summary for all soil profiles taken from section E1 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	17	2.032E-01	2.730E+00	6.588E-01	8.465E-01	6.185E-01	-3.553E-01	6.116E-01
05-10	16	2.984E-01	2.662E+00	7.394E-01	9.300E-01	6.926E-01	-2.694E-01	6.177E-01
10-15	19	5.405E-02	3.804E+00	5.432E-01	9.689E-01	1.107E+00	-5.284E-01	1.035E+0(
15-25	17	1.892E-02	3.751E+00	4.761E-01	7.258E-01	8.659E-01	-8.517E-01	1.195E+0(
25-40	9	7.207E-03	1.205E+00	8.640E-02	3.051E-01	4.281E-01	-2.299E+00	1.743E+0(
40-60	12	9.009E-03	4.905E-01	7.856E-02	1.277E-01	1.360E-01	-2.544E+00	1.086E+0(
00-05	17	2.032E-01	2.730E+00	6.588E-01	8.465E-01	6.185E-01	-3.553E-01	6.116E-0
00-10	15	3.637E-01	2.615E+00	6.833E-01	8.936E-01	6.720E-01	-3.034E-01	5.962E-0
00-15	14	3.707E-01	2.977E+00	5.273E-01	8.619E-01	7.784E-01	-3.822E-01	6.268E-0
00-25	12	4.441E-01	3.287E+00	4.756E-01	8.216E-01	8.699E-01	-5.050E-01	7.269E-0
00-40	8	1.600E-01	2.135E+00	3.566E-01	5.812E-01	6.488E-01	-8.845E-01	7.930E-0
00-60	7	1.781E-01	1.432E+00	2.865E-01	4.544E-01	4.437E-01	-1.056E+00	7.096E-0

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-94. Americium-241 radionuclide concentration summary for all soil profiles taken from section E2 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	75	4.955E-02	3.734E+00	3.145E-01	5.223E-01	6.656E-01	-1.089E+00	8.792E-(
05-10	72	2.703E-02	4.991E+00	3.305E-01	6.261E-01	9.837E-01	-1.046E+00	9.902E-(
10-15	71	5.856E-02	2.762E+00	4.050E-01	5.896E-01	5.780E-01	-9.011E-01	8.631E-(
15-25	69	2.610E-03	2.289E+00	3.160E-01	4.866E-01	4.666E-01	-1.178E+00	1.113E+(
25-40	55	2.252E-04	4.036E+00	3.050E-01	5.594E-01	7.384E-01	-1.458E+00	1.768E+(
40-60	45	4.054E-04	2.537E+00	8.324E-02	2.556E-01	4.736E-01	-2.657E+00	1.896E+(
00-05	75	4.955E-02	3.734E+00	3.145E-01	5.223E-01	6.656E-01	-1.089E+00	8.792E-
00-10	67	6.680E-02	4.229E+00	3.465E-01	5.930E-01	8.335E-01	-9.867E-01	8.642E-
00-15	59	6.810E-02	3.383E+00	4.000E-01	6.207E-01	7.428E-01	-8.857E-01	8.407E-
00-25	52	7.566E-02	2.103E+00	4.210E-01	5.661E-01	4.842E-01	-8.875E-01	8.159E-
00-40	42	6.721E-02	2.099E+00	4.515E-01	5.052E-01	3.858E-01	-9.746E-01	8.283E-
00-60	12	5.609E-02	2.245E+00	4.292E-01	5.509E-01	6.069E-01	-1.051E+00	1.013E+

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-95. Americium-241 radionuclide concentration summary for all soil profiles taken from section E3 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt. Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	31	4.887E-02	1.747E+00	3.321E-01	[illegible]	4.522E-01	-9.592E-01	7.698E-01
05-10	37	5.248E-02	2.517E+00	3.080E-01	[illegible]	5.269E-01	-1.057E+00	8.223E-01
10-15	30	3.063E-02	3.502E+00	4.523E-01	[illegible]	7.771E-01	-7.778E-01	1.064E+00
15-25	32	1.283E-02	2.570E+00	3.180E-01	[illegible]	5.166E-01	-1.228E+00	1.106E+00
25-40	23	1.750E-04	9.279E-01	3.070E-01	[illegible]	2.733E-01	-1.822E+00	1.964E+00
40-60	36	8.482E-05	5.622E-01	7.738E-02	[illegible]	1.011E-01	-2.740E+00	1.380E+00
00-05	31	4.887E-02	1.747E+00	3.321E-01	[illegible]	4.522E-01	-9.592E-01	7.698E-01
00-10	29	5.068E-02	2.132E+00	3.309E-01	[illegible]	4.975E-01	-9.477E-01	8.075E-01
00-15	22	5.676E-02	2.277E+00	4.095E-01	[illegible]	6.073E-01	-7.630E-01	9.034E-01
00-25	17	3.919E-02	1.430E+00	4.305E-01	[illegible]	4.635E-01	-8.098E-01	9.280E-01
00-40	11	2.456E-02	9.497E-01	3.628E-01	[illegible]	2.859E-01	-1.242E+00	9.936E-01
00-60	8	1.640E-02	6.887E-01	2.506E-01	[illegible]	2.305E-01	-1.566E+00	1.169E+00

NOTE: Specific activity is decay corrected to 1977; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-96. Americium-241 radionuclide concentration summary for all soil profiles taken from section E4 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt. Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	22	2.820E-02	1.120E+00	2.273E-01	[illegible]	2.538E-01	-1.504E+00	7.710E-01
05-10	23	3.340E-02	1.684E+00	2.162E-01	[illegible]	4.410E-01	-1.339E+00	9.113E-01
10-15	22	6.239E-02	1.663E+00	2.552E-01	[illegible]	3.550E-01	-1.342E+00	7.836E-01
15-25	23	9.230E-04	2.201E+00	3.751E-01	[illegible]	5.207E-01	-1.327E+00	1.701E+00
25-40	17	4.550E-04	1.915E+00	3.600E-01	[illegible]	5.554E-01	-1.457E+00	1.988E+00
40-60	25	3.033E-04	1.051E+00	7.131E-02	[illegible]	3.492E-01	-2.615E+00	1.890E+00
00-05	22	2.820E-02	1.120E+00	2.273E-01	[illegible]	2.538E-01	-1.504E+00	7.710E-01
00-10	18	3.080E-02	1.266E+00	2.488E-01	[illegible]	3.571E-01	-1.333E+00	8.793E-01
00-15	16	4.807E-02	1.398E+00	2.441E-01	[illegible]	3.750E-01	-1.339E+00	8.485E-01
00-25	14	6.763E-02	1.719E+00	2.655E-01	[illegible]	4.730E-01	-1.214E+00	9.332E-01
00-40	11	4.244E-02	1.793E+00	4.197E-01	[illegible]	4.986E-01	-1.023E+00	1.056E+00
00-60	8	2.839E-02	1.212E+00	3.637E-01	[illegible]	4.253E-01	-1.239E+00	1.257E+00

NOTE: Specific activity is decay corrected to [illegible]; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-97. Americium-241 radionuclide concentration summary for all soil profiles taken from section E5 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	30	4.595E-02	3.127E+00	5.317E-01	8.478E-01	7.756E-01	-5.774E-01	9.822E-01
05-10	34	8.221E-02	3.768E+00	5.113E-01	8.103E-01	9.503E-01	-7.386E-01	1.025E+00
10-15	27	2.827E-02	3.514E+00	2.446E-01	6.116E-01	7.646E-01	-1.084E+00	1.123E+00
15-25	21	7.060E-03	2.047E+00	3.082E-01	4.522E-01	5.694E-01	-1.615E+00	1.522E+00
25-40	15	1.594E-03	2.090E+00	4.099E-02	3.958E-01	6.712E-01	-3.269E+00	2.775E+00
40-60	39	2.477E-03	3.886E+00	8.149E-02	2.625E-01	6.551E-01	-2.379E+00	1.290E+00
00-05	30	4.595E-02	3.127E+00	5.317E-01	8.478E-01	7.756E-01	-5.774E-01	9.822E-0
00-10	29	7.702E-02	3.353E+00	5.389E-01	8.867E-01	8.783E-01	-5.536E-01	9.721E-0
00-15	23	6.772E-02	3.407E+00	5.800E-01	8.607E-01	8.526E-01	-6.085E-01	1.010E+0
00-25	19	1.521E-01	2.761E+00	3.277E-01	7.054E-01	7.209E-01	-7.722E-01	9.210E-0
00-40	13	9.600E-02	1.886E+00	2.163E-01	5.983E-01	6.884E-01	-1.103E+00	1.095E+0
00-60	12	8.290E-02	1.609E+00	2.737E-01	5.414E-01	5.594E-01	-1.114E+00	1.048E+0

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

Table C-98. Americium-241 radionuclide concentration summary for all soil profiles taken from section E6 on Eneu Island (B-12).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	35	1.557E-01	5.419E+00	7.117E-01	9.839E-01	9.714E-01	-3.385E-01	7.987E-
05-10	35	1.023E-01	5.649E+00	7.027E-01	9.506E-01	9.720E-01	-3.898E-01	8.447E-
10-15	32	6.802E-02	5.221E+00	7.463E-01	1.019E+00	1.115E+00	-4.017E-01	9.552E-
15-25	26	1.199E-02	6.604E+00	7.047E-01	1.122E+00	1.610E+00	-6.581E-01	1.384E+
25-40	24	7.267E-03	8.099E+00	8.653E-01	1.302E+00	1.872E+00	-8.071E-01	1.857E+
40-60	36	9.099E-03	5.635E+00	7.036E-02	5.043E-01	1.077E+00	-2.015E+00	1.591E-
00-05	35	1.557E-01	5.419E+00	7.117E-01	9.839E-01	9.714E-01	-3.385E-01	7.987E-
00-10	32	1.290E-01	5.534E+00	7.108E-01	1.022E+00	9.698E-01	-2.494E-01	7.259E-
00-15	28	3.480E-01	5.430E+00	9.310E-01	1.116E+00	9.778E-01	-1.066E-01	6.185E-
00-25	23	3.293E-01	5.344E+00	8.531E-01	1.204E+00	1.196E+00	-1.016E-01	7.089E-
00-40	20	2.109E-01	5.568E+00	7.914E-01	1.264E+00	1.299E+00	-1.061E-01	8.035E
00-60	17	1.822E-01	5.590E+00	7.240E-01	1.063E+00	1.293E+00	3.154E-01	8.082E

NOTE: Specific activity is decay corrected to 1987; see Fig. A-2 for location of map sections.
[a] N stands for number of individual samples.

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Table C-99. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Aerokojlol Island (B-13).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	13	3.220E-03	7.036E-01	2.965E-01	3.21[illegible]	2.[illegible]1E-01	-1.552E+00	1.375E+00
05-10	13	7.658E-02	5.815E-01	3.295E-01	3.37[illegible]	[illegible]50E-01	-1.215E+00	5.859E-01
10-15	13	2.955E-02	8.437E-01	2.588E-01	2.[illegible]	2.[illegible]30E-01	-1.579E+00	9.791E-01
15-25	13	5.068E-03	4.791E-01	1.065E-01	1.[illegible]	[illegible]531E-01	-2.616E+00	1.629E+00
25-40	12	1.523E-03	6.829E-01	1.447E-01	1.[illegible]	2.[illegible]1E-01	-2.800E+00	2.074E+00
40-60	7	7.923E-04	4.637E-01	9.279E-02	1.[illegible]	[illegible]79E-01	-3.274E+00	2.360E+00
0-05	13	3.220E-03	7.036E-01	2.965E-01	3.21[illegible]	2.[illegible]1E-01	-1.552E+00	1.375E+00
00-10	13	9.554E-02	6.426E-01	3.013E-01	3.[illegible]	[illegible]574E-01	-1.247E+00	5.720E-01
00-15	13	7.354E-02	7.096E-01	3.253E-01	3.1[illegible]	[illegible]574E-01	-1.305E+00	6.241E-01
00-25	13	5.187E-02	5.338E-01	2.343E-01	2.57[illegible]	[illegible]401E-01	-1.536E+00	6.887E-01
00-40	12	3.955E-02	5.223E-01	2.420E-01	2.4[illegible]	[illegible]338E-01	-1.600E+00	6.948E-01
00-60	7	2.663E-02	2.634E-01	1.887E-01	1.[illegible]	8.[illegible]02E-02	-1.966E+00	7.926E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-100. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Lele Island (B-15).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	4	1.051E-01	3.890E-01	1.835E-01	2.[illegible]	[illegible].219E-01	-1.648E+00	5.396E-01
05-10	4	8.986E-02	3.952E-01	1.165E-01	1.7[illegible]	[illegible].454E-01	-1.918E+00	6.862E-01
10-15	4	4.426E-02	2.050E-01	1.319E-01	1.[illegible]	8.537E-02	-2.262E+00	7.802E-01
15-25	4	2.027E-02	2.774E-01	5.077E-02	9.[illegible]	[illegible].211E-01	-2.858E+00	1.199E+00
25-40	4	6.081E-03	1.890E-01	2.703E-02	6.[illegible]	8.630E-02	-3.642E+00	1.575E+00
40-60	2	8.446E-03	1.216E-02	1.030E-02	1.[illegible]	2.626E-03	-4.592E+00	2.577E-01
00-05	4	1.051E-01	3.890E-01	1.835E-01	2.[illegible]	[illegible].219E-01	-1.648E+00	5.396E-01
00-10	4	1.002E-01	3.921E-01	1.487E-01	1.[illegible]	[illegible].319E-01	-1.763E+00	5.824E-01
00-15	4	8.855E-02	3.276E-01	1.407E-01	1.[illegible]	[illegible].081E-01	-1.878E+00	5.783E-01
00-25	4	7.387E-02	2.140E-01	1.452E-01	1.[illegible]	[illegible].514E-02	-2.051E+00	5.707E-01
00-40	4	4.845E-02	2.046E-01	1.009E-01	1.[illegible]	[illegible].040E-02	-2.327E+00	6.459E-01
00-60	2	3.512E-02	9.246E-02	6.379E-02	6.[illegible]	3.055E-02	-2.865E+00	6.846E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-101. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Eneman Island (B-16).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	6	7.509E-02	6.155E+00	5.319E-01	1.472E+00	2.343E+00	-6.166E-01	1.585E+0
05-10	6	5.347E-02	2.786E+00	5.379E-01	8.127E-01	1.031E+00	-9.948E-01	1.489E+0
10-15	6	6.441E-02	1.935E+00	4.419E-01	6.130E-01	6.960E-01	-1.077E+00	1.261E+0
15-25	6	4.977E-02	7.970E-01	4.378E-01	4.297E-01	3.291E-01	-1.245E+00	1.117E+0
25-40	6	5.995E-02	9.126E-01	3.765E-01	4.204E-01	3.277E-01	-1.220E+00	1.018E+0
40-60	6	5.171E-02	5.375E-01	3.604E-01	3.133E-01	1.764E-01	-1.391E+00	8.684E-0
00-05	6	7.509E-02	6.155E+00	5.319E-01	1.472E+00	2.343E+00	-6.166E-01	1.585E+0
00-10	6	6.428E-02	4.470E+00	5.383E-01	1.142E+00	1.680E+00	-7.768E-01	1.547E+0
00-15	6	6.432E-02	3.625E+00	5.188E-01	9.660E-01	1.349E+00	-8.581E-01	1.473E+0
00-25	6	5.850E-02	2.462E+00	5.148E-01	7.515E-01	8.989E-01	-9.635E-01	1.373E+0
00-40	6	5.904E-02	1.739E+00	5.015E-01	6.273E-01	6.317E-01	-1.018E+00	1.265E+0
00-60	6	5.660E-02	1.275E+00	4.298E-01	5.227E-01	4.525E-01	-1.072E+00	1.125E+0

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-102. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Enidrik Island (B-17).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of log
00-05	32	6.144E-02	1.358E+01	3.969E-01	1.216E+00	2.454E+00	-6.651E-01	1.200E+
05-10	32	2.910E-02	3.294E+00	2.445E-01	5.049E-01	7.001E-01	-1.342E+00	1.155E+
10-15	32	5.766E-03	2.965E+00	1.913E-01	3.810E-01	5.855E-01	-1.789E+00	1.379E+
15-25	32	1.034E-02	2.174E+00	1.525E-01	2.778E-01	4.280E-01	-2.171E+00	1.429E+
25-40	32	2.049E-03	6.964E-01	6.592E-02	1.604E-01	1.888E-01	-2.737E+00	1.608E+
40-60	28	1.014E-03	9.339E-01	5.282E-02	1.206E-01	1.837E-01	-3.097E+00	1.711E+
00-05	32	6.144E-02	1.358E+01	3.969E-01	1.216E+00	2.454E+00	-6.651E-01	1.200E+
00-10	31	4.527E-02	7.037E+00	2.896E-01	8.113E-01	1.354E+00	-9.110E-01	1.101E+
00-15	31	3.210E-02	4.746E+00	2.476E-01	6.401E-01	9.216E-01	-1.050E+00	1.070E+
00-25	31	2.394E-02	3.183E+00	2.335E-01	4.931E-01	6.229E-01	-1.257E+00	1.066E+
00-40	31	1.573E-02	1.999E+00	2.409E-01	3.658E-01	3.951E-01	-1.498E+00	1.067E+
00-60	27	1.094E-02	1.347E+00	2.246E-01	2.793E-01	2.897E-01	-1.778E+00	1.102E+

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

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Table C-103. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Lukoj Island (B-18).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	3	6.671E-01	1.006E+01	2.010E+00	4.246E+00	5.080E+00	8.673E-01	1.365E+00
05-10	3	3.329E-01	8.833E-01	6.239E-01	6.134E-01	2.754E-01	-5.653E-01	4.946E-01
10-15	3	8.617E-02	3.786E-01	3.458E-01	2.702E-01	1.602E-01	-1.495E+00	8.296E-01
15-25	3	2.635E-02	5.333E-01	7.626E-02	2.120E-01	2.794E-01	-2.280E+00	1.525E+00
25-40	3	4.221E-02	5.225E-02	4.730E-02	4.725E-02	5.020E-03	-3.056E+00	1.068E-01
40-60	2	4.392E-03	2.703E-02	1.571E-02	1.571E-02	1.601E-02	-4.519E+00	1.285E+00
00-05	3	6.671E-01	1.006E+01	2.010E+00	4.246E+00	5.080E+00	8.673E-01	1.365E+00
00-10	3	7.752E-01	5.342E+00	1.171E+00	2.430E+00	2.530E+00	5.264E-01	1.016E+00
00-15	3	6.430E-01	3.677E+00	8.097E-01	1.710E+00	1.705E+00	2.164E-01	9.472E-01
00-25	3	4.163E-01	2.419E+00	4.964E-01	1.111E+00	1.134E+00	-2.311E-01	9.692E-01
00-40	3	2.760E-01	1.532E+00	3.280E-01	7.119E-01	7.104E-01	-6.586E-01	9.435E-01
00-60	2	1.930E-01	2.201E-01	2.066E-01	2.066E-01	1.915E-02	-1.579E+00	9.284E-02

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

Table C-104. Americium-241 radionuclide concentration summary for all soil profiles taken during the 1978 Terrestrial Survey on Jelete Island (B-19).

Soil depth (cm)	N[a]	pCi/g dry wt Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
00-05	2	1.704E+00	5.442E+00	3.573E+00	3.573E+00	2.643E+00	1.114E+00	8.211E-01
05-10	2	9.694E-01	1.443E+00	1.206E+00	1.206E+00	3.349E-01	1.678E-01	2.813E-01
10-15	2	2.380E-01	9.950E-01	6.165E-01	6.165E-01	5.353E-01	-7.202E-01	1.011E+00
15-25	2	7.141E-02	9.689E-02	8.415E-02	8.415E-02	1.802E-02	-2.487E+00	2.158E-01
25-40	2	1.419E-02	8.468E-02	4.943E-02	4.943E-02	4.984E-02	-3.362E+00	1.263E+00
40-60	2	8.108E-03	6.554E-02	3.682E-02	3.682E-02	4.061E-02	-3.770E+00	1.478E+00
00-05	2	1.704E+00	5.442E+00	3.573E+00	3.573E+00	2.643E+00	1.114E+00	8.211E-01
00-10	2	1.337E+00	3.443E+00	2.390E+00	2.390E+00	1.489E+00	7.632E-01	6.689E-01
00-15	2	1.223E+00	2.374E+00	1.799E+00	1.799E+00	8.143E-01	5.329E-01	4.692E-01
00-25	2	7.724E-01	1.453E+00	1.113E+00	1.113E+00	4.813E-01	5.777E-02	4.469E-01
00-40	2	5.145E-01	9.135E-01	7.140E-01	7.140E-01	2.822E-01	-3.775E-01	4.059E-01
00-60	2	3.649E-01	6.117E-01	4.883E-01	4.883E-01	1.746E-01	-7.498E-01	3.654E-01

NOTE: Specific activity is decay corrected to 1987.
[a] N stands for number of individual samples.

APPENDIX D:

RADIONUCLIDE CONCENTRATIONS OF INDIVIDUAL SOIL PROFILES FOR ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, AND ^{241}Am FROM BIKINI ATOLL

The following tables contain numbers with four significant digits. These numbers were generated by computer and are accurate to only two significant digits.

Table D-1. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Nam Island (B-1) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 225	7811	8.747E+01	4.038E+01	4.648E+01	3.266E+01	4.189E+01	4.821E+01
Site 226	7811	2.184E+01	2.284E+00	3.625E+00	1.593E+00	1.281E+00	1.477E+00
Site 227	7811	2.960E+00	9.201E-01	4.430E-01	3.460E-01	2.175E-01	2.083E-01
Site 228	7811	2.327E+00	1.360E+00	1.450E+00	8.884E+00	8.401E+00	NST[b]
Site 229	7811	9.437E+00	2.676E+00	2.961E+00	4.134E+00	2.241E+00	8.991E-01
Site 230	7811	9.985E+00	2.184E+00	2.480E+00	1.559E+00	1.398E+00	1.210E+00
Site 231	7811	2.588E+01	4.058E+00	3.335E+00	2.740E+00	4.017E+00	2.948E+00
Site 232	7811	5.968E+00	3.773E+00	4.331E+00	2.675E+01	2.719E+00	1.273E+00
Site 233	7811	8.072E-01	1.769E-01	6.887E-02	3.276E-02	1.612E-02	1.390E-01
Site 234	7811	1.439E+01	9.568E+00	6.901E+00	1.779E+00	8.590E-01	5.779E-01
Site 235	7811	2.413E+00	1.103E+00	9.491E-01	8.730E-01	1.336E+00	4.851E-01
Site 236	7811	1.377E+00	3.947E-01	3.361E-01	2.149E-01	1.996E-01	1.895E-01
Site 237	7811	5.808E+00	1.275E+00	1.949E+00	1.472E+00	9.177E-01	2.481E-01
Site 238	7811	2.978E+00	1.459E+00	1.396E+00	8.762E-01	2.803E-01	2.180E-01
Site 239	7811	2.436E+00	1.270E+00	1.630E+00	9.245E-01	8.374E-01	NST
Site 240	7811	1.164E+02	3.791E+01	3.689E+01	3.995E+01	1.591E+01	6.278E-01
Site 241	7811	2.252E+01	4.141E+00	3.917E+00	2.932E+00	3.365E+00	3.515E+00
Site 242	7811	5.169E+01	2.769E+01	1.711E+01	1.761E+01	3.588E+01	1.629E+01
Site 243	7811	5.397E+01	2.602E+01	4.861E+01	2.970E+01	1.343E+01	NST
Site 244	7811	6.829E-01	9.371E-01	3.306E-01	2.857E-01	2.068E-01	2.296E-01
Site 245	7811	2.091E+02	1.568E+02	1.255E+02	1.089E+02	1.885E+02	1.639E+02
Site 246	7811	1.450E+02	4.315E+01	6.839E+01	3.740E+01	1.944E+00	4.325E-01
Site 247	7811	1.311E+02	2.844E+01	6.489E+01	3.648E+01	1.052E+01	4.634E+00
Site 248	7811	3.804E+00	3.733E+00	4.597E+00	4.794E+00	3.857E+00	1.751E+00
Site 249	7811	4.954E+01	2.615E+01	6.115E+01	1.973E+01	1.484E+00	5.117E-01
Site 250	7811	9.838E+01	7.294E+01	7.931E+01	8.461E+01	7.854E+01	6.645E+01
Site 252	7811	3.120E+01	4.338E+01	4.461E+01	2.234E+01	1.028E+01	5.213E+00
Site 253	7811	2.844E+01	1.055E+01	7.788E+00	7.827E+00	9.276E+00	8.450E+00
Site 254	7811	6.969E+00	3.881E+00	4.835E+00	4.539E+00	6.506E+00	4.289E+00
Site 255	7811	4.468E+00	4.747E+00	6.234E+00	5.924E+00	4.124E+00	5.100E-01
Site 256	7811	3.842E-01	3.586E-01	5.135E-01	6.734E-01	5.472E-01	5.658E-01
Site 258	7811	7.660E+00	4.995E+00	1.163E+01	7.912E+00	6.155E-01	1.176E-01
Site 259	7811	5.985E+01	9.898E+00	6.965E+00	1.057E+01	1.001E+01	4.913E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-3.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-2. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Iroij Island (B-2) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 257	7811	2.391E-01	3.070E-01	1.260E-01	1.604E-01	2.407E-01	2.970E-01
Site 260	7811	3.116E+01	9.407E+00	1.649E+00	8.688E-01	6.584E-01	4.305E-01
Site 261	7811	1.687E+00	1.148E+00	3.910E-01	2.255E+00	9.014E-01	5.043E-01
Site 262	7811	3.479E+01	1.352E+00	2.449E+00	2.543E+00	1.232E+00	7.935E-01
Site 263	7811	1.910E-01	2.830E-01	1.797E-01	2.028E-02	3.712E-02	NST[b]
Site 264	7811	2.123E+00	7.918E-01	5.761E-01	1.714E+00	5.577E-01	4.090E-01
Site 265	7811	8.035E-01	7.487E-01	6.642E-01	1.124E+00	1.057E+00	5.482E-01
Site 266	7811	1.937E+00	5.495E-01	4.741E-01	3.058E-01	2.304E-01	<1.78E-02
Site 267	7811	8.821E-01	7.534E-01	1.103E+00	2.604E+00	6.659E-01	2.869E-01
Site 268	7811	3.981E-01	1.826E-01	2.508E-01	3.154E-01	1.842E-01	5.712E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-4.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-3. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Odrik Island (B-3) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 269	7811	8.619E-01	4.903E-01	3.712E-01	3.923E-01	2.523E-01	6.743E-02
Site 270	7811	3.624E-01	5.788E-01	4.723E-01	4.420E-01	1.058E+00	1.399E+00
Site 271	7811	1.993E+00	1.269E+00	5.604E-01	3.507E-01	2.186E-01	1.673E-01
Site 272	7811	1.080E-01	1.050E-01	8.098E-02	8.451E-02	3.728E-01	NST[b]
Site 273	7811	1.237E+00	1.224E+00	1.341E+00	1.807E+00	3.936E-01	5.865E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-5.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-4. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Lomilik Island (B-4) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 202	7811	7.838E-01	1.145E+00	1.109E+00	1.285E+00	1.472E+00	1.258E+00
Site 203	7811	1.086E+00	8.770E-01	1.039E+00	9.829E-01	1.707E+00	1.313E+00
Site 204	7811	1.672E+00	9.213E-01	1.370E+00	1.479E+00	1.592E+00	1.100E+00
Site 205	7811	1.284E+00	1.204E+00	1.436E+00	9.401E-01	1.860E+00	1.389E+00
Site 206	7811	1.389E+01	2.422E+00	1.407E+00	1.049E+00	1.415E+00	8.768E-01
Site 207	7811	1.244E+00	1.387E+00	1.368E+00	1.613E+00	1.322E+00	1.060E+00
Site 208	7811	1.393E+00	1.888E+00	2.876E+00	1.396E+00	1.623E+00	1.480E+00
Site 209	7811	2.002E+00	2.301E+00	1.666E+00	5.925E+00	NST[b]	NST
Site 210	7811	2.783E-01	4.127E-01	4.427E-01	5.423E-01	6.910E-01	1.492E+00
Site 211	7811	1.153E+01	8.622E+00	7.374E+00	4.114E+00	1.641E+00	7.270E-01
Site 212	7811	5.446E+00	3.632E+00	1.604E+00	1.065E+00	6.140E-01	4.779E-01
Site 213	7811	1.828E+01	1.099E+01	7.968E+00	3.157E+00	6.680E-01	4.752E-01
Site 214	7811	4.626E-01	2.731E+00	3.841E+00	3.017E+00	6.257E-01	4.626E-01
Site 215	7811	1.907E+01	4.465E+00	2.337E+00	4.328E+00	6.432E+00	2.350E+00
Site 216	7811	4.784E+01	3.478E+01	1.420E+01	2.484E+00	1.585E+00	1.203E+00
Site 217	7811	6.983E+00	2.075E+00	1.337E+00	1.872E+00	1.051E+00	5.950E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-6.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-5. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Aomen Island (B-5) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 200	7811	1.651E+00	1.022E+00	1.789E+00	1.580E+00	1.560E+00	NST[b]
Site 201	7811	1.093E-01	1.965E-01	8.898E-01	1.661E+00	1.090E+01	1.861E+00
Site 218	7811	1.646E+00	1.489E+00	1.494E+00	2.870E+00	9.207E-01	NST
Site 219	7811	4.820E-01	4.649E-01	1.420E+00	5.338E-01	1.277E+00	NST
Site 220	7811	9.734E+00	2.110E+00	4.604E-01	1.417E-01	9.826E-02	9.905E-02
Site 221	7811	2.822E-01	5.734E-01	5.644E-01	2.459E-01	1.427E-01	6.671E-02
Site 222	7811	3.044E+00	4.175E-01	1.269E-01	8.752E-02	5.428E-01	2.903E-02
Site 223	7811	7.991E+00	5.824E+00	6.014E+00	4.928E+00	2.957E+00	NST
Site 224	7811	2.987E+00	2.119E+00	4.554E+00	9.509E-01	7.694E+00	2.297E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-7.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-6. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Bikini Island (B-6) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section B1							
Tree b-20	8003	1.456E+02	1.130E+02	9.867E+01	8.796E+01	2.961E+01	4.113E+00
Profile a[d]	7404	7.150E+01	2.000E+01	7.800E+00	3.100E+00	1.900E-01	8.000E-02
508	7506	1.113E+02	1.344E+02	1.395E+02	1.489E+02	7.590E+01	1.122E+01
Section B2							
Hfh-3	7506	1.162E+01	5.315E+00	8.117E+00	6.653E+01	8.400E-01	3.307E-01
Hfh-4	7506	4.275E+01	1.656E+01	5.072E+00	2.542E+00	2.241E-01	NST[b]
Hse 39	7708	1.340E+02	5.868E+01	1.797E+01	4.580E+00	6.740E-01	NST
Profile c[d]	7404	2.430E+01	3.500E+00	2.600E+00	8.500E-01	2.300E-01	9.000E-02
Profile e[d]	7404	5.800E+01	5.500E+01	6.100E+01	1.000E+00	1.800E-01	NDA[c]
Profile i[d]	7404	1.940E+02	1.410E+02	7.900E+01	6.600E+01	3.900E+00	2.000E-01
Tree b-16	7908	3.658E+01	3.700E+01	5.808E+00	1.440E+00	2.218E+01	1.332E+00
Tree b-21	8002	9.152E+01	7.298E+01	3.162E+01	9.430E+00	4.811E+00	1.936E+00
Tree b-3	7711	1.068E+02	1.149E+02	1.696E+02	3.142E+02	1.154E+02	NST
Tree b-3	7805	9.970E+01	6.910E+01	6.240E+01	1.054E+02	1.490E+01	NST
Tree b-3	8312	1.483E+02	1.304E+02	<9.91E-03	4.977E+00	6.577E-01	<9.91E-03
Tree b-4	7711	1.523E+02	1.111E+02	1.169E+02	1.233E+02	1.175E+02	NST
Tree b-4	8312	1.836E+02	1.473E+02	1.257E+02	6.378E+01	4.455E+01	8.559E-01
Tree b-44	8212	2.214E+01	1.895E+01	1.145E+01	9.495E+00	4.946E+00	2.499E+00
Tree b-45	8212	2.688E+01	1.850E+01	3.123E+01	1.941E+01	6.707E+00	3.498E-01
Tree b-46	8212	7.014E+01	5.399E+01	3.618E+01	1.293E+01	1.055E+01	3.272E-01
Tree b-47	8212	1.001E+02	7.787E+01	5.446E+01	3.395E+01	6.239E+00	4.432E+00
Tree b152	8411	4.394E+01	3.636E+01	2.097E+01	9.748E+00	1.460E+00	1.440E+01
Ts0081	7506	3.821E+01	8.149E+01	1.036E+02	2.183E+01	4.330E+00	NST
Ts0201	7506	5.027E+01	2.882E+01	1.514E+01	1.002E+01	4.120E+00	5.964E-01
Well pt.1[e]	7006	5.960E+02	5.750E+01	3.750E+01	NST	NST	NST
507	7506	1.337E+02	8.410E+01	2.149E+01	3.829E+00	NST	NST
Section B3							
Grid a	7908	6.478E+01	4.996E+01	1.141E+01	1.148E+00	3.770E-01	1.162E-01
Grid b	7908	1.148E+02	6.187E+01	4.908E+01	8.098E+00	9.610E-01	3.376E-01
Grid c	7908	1.568E+02	1.263E+02	2.480E+01	2.949E+00	1.309E+01	8.234E+00
Grid d	7908	8.412E+01	7.068E+01	2.410E+01	1.403E+01	3.213E+00	2.218E+00
Grid e	7908	8.579E+01	4.945E+01	2.573E+01	5.071E+00	6.480E-01	2.270E-01
Grid f	7908	1.094E+02	1.651E+02	7.893E+01	6.429E+00	7.800E-01	4.559E-01
Grid g	7908	1.222E+02	8.708E+01	9.729E+01	5.060E+01	8.894E+00	5.414E-01
Grid h	7908	9.020E+01	1.575E+01	7.634E+00	2.760E+00	3.780E-01	3.178E-01
Grid i	7908	1.663E+02	3.459E+01	1.458E+01	8.528E+00	7.860E-01	2.291E-01
Grid j	7908	2.860E+02	2.675E+02	4.548E+01	9.778E+00	7.010E-01	3.248E-01
Grid k	7908	1.458E+02	5.005E+01	4.577E+00	1.718E+00	7.610E-01	4.932E-01
Grid l	7908	1.519E+02	4.566E+01	3.832E+01	4.053E+00	6.670E-01	5.779E-01
Grid m	7908	6.888E+00	1.989E+00	1.171E+00	6.290E-01	4.540E-01	3.512E-01
Grid n	7908	1.616E+02	6.862E+01	6.827E+00	1.792E+00	4.810E-01	1.928E-01
Grid o	7908	2.035E+02	1.235E+02	1.577E+02	4.493E+01	6.653E+00	4.581E+00

Table D-6. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Grid p	7908	1.526E+01	1.425E+01	5.920E-01	1.262E+00	9.060E-01	3.023E-01
Grid q	7908	6.910E+01	2.457E+01	1.003E+01	2.373E+00	5.330E-01	3.264E-01
Grid r	7908	8.569E+01	3.280E+01	1.259E+01	2.636E+00	4.480E-01	1.215E-01
Grid s	7908	1.048E+02	1.675E+01	3.301E+00	1.153E+00	6.630E-01	6.680E-02
Grid t	7908	7.031E+01	8.388E+01	2.456E+01	7.363E+00	4.200E-01	1.056E-01
Grid u	7908	1.293E+02	4.798E+01	5.733E+01	4.941E+00	3.230E-01	1.542E-01
Grid v	7908	1.341E+02	2.193E+02	1.639E+02	5.189E+01	7.630E-01	3.446E-01
Grid w	7908	1.088E+02	4.667E+01	9.887E+00	2.203E+00	2.760E-01	1.155E-01
Grid x	7908	1.850E+02	2.249E+02	6.982E+01	6.942E+00	3.183E+00	2.513E-01
Grid y	7908	5.436E+01	2.057E+01	1.239E+01	2.457E+00	7.800E-01	9.550E-02
100m.plot	8203	1.497E+02	4.073E+02	6.466E+00	NST	NST	NST
100m.plot	8203	1.717E+01	3.442E+00	1.882E+00	NST	NST	NST
100m.plot	8203	2.586E+02	7.027E+01	8.062E+00	NST	NST	NST
Hfh-2	7506	2.991E+01	2.989E+01	1.937E+01	3.800E+00	3.270E+00	NST
Hfh-5	7506	8.162E+01	1.401E+02	1.284E+02	4.761E+00	4.530E-01	NST
Hse 35	7711	5.401E+01	4.821E+01	4.837E+01	2.346E+01	3.070E+00	NST
Hse 35 1	7811	1.122E+02	9.881E+01	6.042E+01	2.535E+01	9.341E+01	8.302E+00
hse 35	8312	1.338E+02	6.212E+01	5.464E+01	3.919E+01	5.901E+01	1.245E+01
Pd tree 1	7805	4.310E+02	2.522E+02	8.830E+01	1.174E+01	9.500E-01	NST
Pd tree 2	7805	4.829E+01	6.261E+01	5.428E+01	3.662E+01	6.580E+00	NST
Pit 5[f]	6706	7.275E+02	2.650E+01	NST	NST	NST	NST
Pit 6[f]	6706	4.400E+01	NST	NST	NST	NST	NST
Profile d[d]	7404	1.145E+02	4.500E+01	2.000E+01	5.900E+00	5.900E-01	2.100E-01
Tree b-11	7908	3.133E+02	1.509E+02	7.974E+01	3.463E+01	3.848E+00	8.207E+00
Tree b-11	8302	2.218E+02	7.707E+01	4.245E+01	2.355E+01	8.293E+00	4.712E+00
Tree b-12	7908	8.397E+01	1.112E+02	8.351E+01	1.041E+02	6.320E+01	6.185E+00
Tree b-12	8302	2.575E+02	1.517E+02	8.653E+01	7.995E+01	8.604E+01	7.387E+01
Tree b-13	7908	4.582E+01	1.581E+01	1.018E+01	9.143E+00	4.498E+00	3.890E+00
Tree b-13	8302	6.523E+01	1.949E+01	1.094E+01	3.768E+00	5.100E+00	2.736E+00
Tree b-13	8305	3.833E+01	1.199E+01	8.122E+00	7.036E+00	1.163E+00	4.359E-01
Tree b-2	7908	2.780E+01	1.174E+01	4.216E+00	1.634E+00	1.465E+01	9.829E+00
Tree b-2	7908	4.287E+01	2.674E+01	1.124E+01	8.016E+00	9.442E+00	4.380E+00
Tree b-2	7711	2.830E+01	1.163E+01	1.252E+01	8.460E+00	4.070E+00	NST
Tree b-22	8002	1.230E+01	8.916E+00	8.723E+00	2.558E+00	3.680E-01	1.491E-01
Tree b-22	8302	7.230E+01	1.607E+01	4.761E+00	8.369E-01	3.338E-01	1.878E-01
Tree b-54	8405	1.270E+02	9.653E+01	3.112E+01	6.378E+00	9.315E-01	6.950E-01
Tree b-9	7805	6.937E+01	3.903E+01	2.151E+01	1.155E+01	1.470E+00	NST
Tree b-9	8302	3.608E+01	2.741E+01	1.840E+01	6.901E+00	2.985E+00	7.995E-01
Tree b-9	8305	1.017E+01	6.977E+00	8.050E+00	5.009E+00	3.186E+00	1.752E+00
Ts0091	7506	7.604E+01	9.464E+01	8.869E+01	2.818E+01	4.850E+00	1.309E+00
Ts0101	7506	5.640E+01	3.317E+01	1.438E+01	<1.404E-01	5.270E-01	NST
Ts0111	7506	7.946E+01	9.968E+01	1.271E+02	7.086E+01	2.830E+00	NST
Ts0121	7506	1.102E+02	1.091E+02	1.777E+02	1.197E+01	2.431E+01	6.977E+00
Ts0131	7506	3.404E+02	6.374E+01	1.269E+01	1.263E+00	2.970E-01	NST
506	7506	1.295E+02	1.328E+02	1.694E+02	9.811E+01	9.995E+01	4.945E+01

Table D-5. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section B4							
Hse 16	7811	8.391E+01	7.502E+01	5.319E+01	1.926E+01	4.910E+00	2.454E+00
Hse 16-17	7708	6.268E+01	9.783E+01	1.138E+02	1.036E+02	7.870E+01	NST
Hse 16-17	7711	3.140E+01	4.488E+01	6.995E+01	7.558E+01	9.707E+01	NST
Hse 16-17	7711	3.731E+01	3.823E+01	7.595E+01	9.162E+01	7.369E+01	NST
Hse 17	7805	9.608E+01	4.896E+01	3.227E+01	1.828E+01	3.160E+00	NST
Hse 17	7811	2.589E+02	2.058E+02	1.112E+02	4.382E+01	7.810E+00	3.151E-01
Hse 17	8312	1.151E+01	9.338E+00	8.545E+00	7.833E+00	1.447E+01	4.149E+01
Hse 22	7711	1.079E+01	1.149E+01	1.352E+01	2.770E+01	1.071E+02	NST
Hse 24	7811	1.757E+02	1.282E+02	1.066E+02	1.082E+02	1.502E+02	1.650E+02
Hse 24	7805	1.836E+02	2.437E+02	2.350E+02	3.844E+02	8.149E+01	NST
Hse 24	7805	2.530E+02	1.856E+02	1.695E+02	1.843E+02	1.727E+02	NST
Hse 24	7811	5.106E+01	6.138E+01	4.488E+01	1.168E+01	1.970E+00	3.597E+00
Hse 24	7805	1.178E+02	1.270E+02	1.550E+02	2.180E+02	1.470E+02	NST
Hse 24	7805	9.460E+01	1.334E+02	1.266E+02	7.230E+01	7.320E+01	NST
Hse 24	8402	1.667E+02	1.248E+02	8.586E+01	4.545E+01	8.216E+01	1.611E+01
Hse 24-25	8402	4.806E+01	9.955E+01	1.214E+02	1.056E+02	8.266E+00	4.216E-01
Hse 25 n	7805	2.160E+01	1.380E+01	1.020E+01	1.221E+01	8.550E+00	NST
Hse 25	8402	1.360E+01	1.082E+01	2.170E+01	3.112E+01	4.518E-01	2.338E-01
Hse 25-26	7805	1.682E+02	2.284E+02	9.793E+01	2.873E+01	7.780E+00	NST
Hse 26	7805	1.870E+02	1.460E+02	6.770E+01	3.540E+01	2.160E+01	NST
Hse 27	7811	2.394E+02	2.290E+02	2.168E+02	9.271E+01	6.068E+01	8.117E+00
Hse 27	7811	3.530E+00	2.880E+00	1.530E+00	2.240E+00	1.319E+01	4.266E+00
Hse 28	7811	2.289E+01	2.833E+01	2.860E+01	4.226E+01	3.738E+01	8.896E+00
Hse 30	7811	4.385E+01	3.508E+01	1.584E+01	7.230E+00	2.830E+00	1.059E+00
Hse 1a	6706	3.300E+02	2.650E+02	2.350E+02	1.333E+01	NST	NST
Hse 2d	7404	9.800E+01	1.330E+02	1.200E+02	1.340E+02	1.600E+01	1.600E-01
Hse 1g[d]	7404	5.350E+01	3.700E+01	2.500E+01	4.800E+00	2.000E+00	6.000E-01
Hse 1d[d]	7404	3.200E+01	4.000E+01	4.000E+01	3.800E+01	1.300E+01	1.200E-01
Hse 2d[d]	7404	2.300E+01	2.300E+01	2.000E+01	8.800E+00	6.000E+00	2.900E+00
Hse 2a	7711	1.712E+02	1.435E+02	1.218E+02	9.986E+01	3.484E+01	NST
Hse 3	8305	1.075E+02	2.347E+02	5.104E+01	1.855E+01	4.824E+00	1.386E+00
Hse 4	8312	1.412E+02	8.140E+01	3.100E+01	1.113E+01	5.797E+00	1.216E+00
Hse 5	7908	4.860E+01	1.517E+01	6.402E+00	9.908E+00	4.059E+00	2.983E+00
Hse 6	8302	1.679E+01	5.509E+00	1.111E+01	6.153E+00	2.218E+00	3.250E-01
Hse 23	8002	8.132E+01	1.042E+02	9.170E+01	2.510E+00	2.137E+00	4.640E-01
Hse 30	7908	6.843E+01	8.436E+01	8.943E+01	1.618E+01	6.402E+00	1.168E+00
Hse 31	7908	4.451E+01	3.211E+01	3.292E+01	1.807E+01	5.968E+00	1.473E-01
Hse 32	8302	5.293E+01	3.323E+01	2.915E+01	2.078E+01	6.230E-01	1.249E-01
Hse 33	7811	1.354E+01	2.229E+01	1.390E+01	9.460E+00	4.790E+00	5.185E+00
Hse 10	8212	1.050E+02	4.626E+01	5.117E+01	4.851E+01	4.161E+01	3.011E+01
Hse 11	8212	2.389E+01	1.855E+01	2.221E+01	1.688E+01	3.010E+00	8.032E-01
Hse 7	7711	4.105E+01	8.423E+00	4.559E+01	4.559E+01	1.361E+01	NST
Hse 8	8312	9.194E+01	3.401E+01	2.131E+01	1.428E+01	1.477E+00	3.212E+00
Hse 9	8312	7.203E+01	8.383E+01	7.396E+01	2.659E+01	2.846E+00	4.860E-01
Hse 150	8411	4.919E+01	1.682E+01	9.221E+00	2.127E+00	3.287E-01	1.845E-01
Hse 1	7506	1.243E+02	1.021E+02	9.572E+01	4.946E+00	9.955E+01	NST

Table D-6. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Ts0031	7506	2.193E+01	4.224E+01	2.295E+01	1.498E+00	1.180E-01	NST
Ts0041	7506	1.734E+01	6.401E+01	7.009E+01	1.295E+01	7.160E+00	NST
Ts0051	7506	1.229E+02	1.410E+02	1.437E+02	1.748E+02	1.865E+02	NST
Ts0061	7506	3.674E+01	1.171E+01	6.360E+00	8.252E+01	2.791E+02	7.966E+01
Ts0062	7506	5.833E+01	2.744E+01	3.134E+00	7.694E+01	7.578E+01	NST
Ts0071	7506	6.622E+01	6.734E+01	6.018E+01	NDA	NDA	NST
Ts0161	7506	5.658E+01	3.322E+01	3.213E+01	2.689E+01	2.192E+01	1.559E+01
Ts0181	7506	2.838E+01	2.225E+01	3.165E+01	5.205E+00	1.330E+00	1.261E+01
Ts0191	7506	6.207E+01	3.766E+01	3.782E+01	8.203E+00	1.412E+01	3.378E+01
505	7506	1.653E+02	7.968E+01	6.955E+01	1.689E+00	4.266E-01	8.275E-01
Section B5							
Hse 14 f	7805	6.000E+01	4.710E+01	2.423E+01	1.406E+01	2.505E+01	NST
Hse 7	8302	9.428E+01	1.462E+01	1.078E+01	8.509E+00	9.032E-01	9.252E-01
Hse 7 n	7811	1.821E+01	1.743E+01	2.382E+01	2.135E+01	1.102E+01	3.023E+00
Pit 10[d]	7404	2.485E+02	2.100E+02	1.330E+02	5.600E+00	6.000E-01	3.200E-01
Pit 11[d]	7404	1.395E+01	5.100E+00	1.620E+02	8.750E+01	1.940E+01	2.100E+01
Pit 9[d]	7404	7.650E+01	2.900E+01	2.500E+00	1.200E+00	4.000E-01	9.000E-02
Profile 3[d]	7404	3.500E+02	1.500E+02	9.700E+01	8.100E+01	5.900E+00	2.400E+00
Tree b-10	7811	1.236E+02	6.150E+01	6.186E+01	4.174E+01	4.018E+01	1.266E+01
Tree b-10	8305	1.171E+02	4.130E+01	1.201E+01	1.799E+00	4.260E+00	1.362E+00
Tree b-24	8008	1.241E+02	5.311E+01	2.445E+01	8.504E+01	3.385E+01	8.054E+00
Tree b-26	8012	1.385E+02	3.318E+01	1.712E+01	9.380E+00	3.740E+00	4.290E+00
Tree b-32	7908	1.138E+01	1.432E+01	1.668E+01	1.431E+01	4.620E+00	1.203E+00
Tree b-33	7908	2.274E+02	2.124E+02	1.065E+02	3.710E+01	2.614E+00	1.168E+00
Tree b-6	8312	5.356E+01	3.599E+01	1.919E+01	9.865E+00	8.874E+00	1.419E+01
Tree b-6	7711	8.919E+01	6.068E+01	2.502E+01	1.309E+01	1.455E+01	NST
Tree b-6	7811	9.787E+01	5.537E+01	3.596E+01	3.359E+01	7.470E+00	3.925E+00
Tree b151	8411	1.068E+02	9.577E+01	6.887E+01	2.601E+01	7.662E+00	3.769E+00
Ts0001	7506	5.414E+01	4.883E+01	4.676E+01	4.018E+01	1.538E+01	NST
Ts0002	7506	4.923E+01	3.216E+01	1.780E+01	2.724E+01	3.598E+00	NST
Ts0003	7506	5.568E+01	4.644E+01	5.802E+01	3.406E+01	3.318E+01	NST
Ts0171	7506	9.595E+01	2.153E+01	1.719E+01	4.095E+00	1.260E+00	NST
Well pt.4[g]	7006	2.148E+02	NST	NST	NST	NST	NST
503	7506	8.617E+01	7.378E+01	9.719E+00	NST	NST	NST
504	7506	2.224E+02	1.882E+02	2.687E+01	8.955E+00	5.532E+00	5.198E+00
Section B6							
Profile 1[d]	7404	1.600E+02	1.430E+02	9.900E+01	5.900E+01	9.500E+00	1.500E+00
Profile n[d]	7404	4.400E+01	3.900E+01	2.200E+01	9.700E+00	1.580E+01	3.500E+01
Tree b-15	7908	3.194E+01	1.213E+01	1.429E+01	8.532E+00	5.737E+00	7.225E-01
Tree b-15	8302	3.777E+01	2.514E+01	1.260E+01	3.165E+00	4.806E+00	8.401E-01
Tree b-25	8002	2.180E+02	1.503E+02	1.048E+02	7.699E+01	4.293E+00	2.165E+00
Tree b-42	8212	<3.03E-01	2.260E+01	2.067E+01	1.243E+01	1.601E+01	2.284E+01
Tree b-43	8212	6.563E+01	3.670E+01	2.695E+01	1.151E+01	1.134E+01	4.366E+00
Tree b-51	8405	2.171E+00	1.451E+00	1.182E+00	1.287E+00	5.365E+00	3.488E+00
Tree b-52	8405	5.725E+00	2.316E+00	9.860E-01	2.309E-01	1.364E-01	1.414E-01

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Table D-6. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree b-53	8405	2.191E+01	9.878E+00	1.346E+01	1.064E+01	2.306E+00	7.401E+00
Tree b-8	7711	4.114E+01	3.015E+01	1.779E+01	2.278E+01	4.150E+00	NST
Tree b-8	7805	5.270E+01	1.780E+01	1.945E+01	4.445E+01	8.670E+00	NST
Tree b-8	8312	3.372E+01	2.427E+01	6.203E+00	4.856E+00	1.509E+01	7.541E-01
Ts0231	7506	3.506E+01	1.651E+01	4.106E+01	4.408E+00	1.670E+00	NST
501	7506	2.260E+02	1.365E+02	*8.473E+01	3.219E+01	1.305E+01	NST
502	7506	2.946E+02	3.130E+02	* 4.146E+01	2.365E+00	NST	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-1.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

[c] Sample was taken but no data is available.

[d] See Nelson (1977).

[e] See Lynch et al. (1975).

[f] See Held (1968).

[g] See Held (1971).

Table D-7. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Rojkere Island (B-10) for pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 192	7811	7.243E-02	1.449E-01	5.113E-01	4.407E-01	4.644E-01	6.608E-01
Site 193	7811	3.089E+01	1.258E+01	6.108E+00	2.856E+00	1.713E+00	7.000E-01
Site 194	7811	4.289E-02	2.908E-02	6.113E-02	8.387E-02	9.525E-02	4.500E-02

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-8.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

Table D-8. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Eneu Island (B-12) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section E1							
Tree 37	7908	5.423E+00	2.717E+00	4.387E+00	1.880E+00	4.712E+00	2.995E+00
Tree 37	8411	5.581E+00	3.503E+00	4.107E+00	1.242E+00	2.510E+00	2.044E+00
Tree 38	7908	9.266E+00	6.279E+00	4.155E+00	3.963E+00	7.847E-01	2.209E-01
Tree 54	8212	7.423E+00	2.063E+00	3.523E+01	2.361E+01	7.234E-01	3.326E-01
Tree 55	8212	7.252E+00	1.865E+00	3.357E+00	1.606E+00	5.739E-01	<9.82E-03
Tree 70	8312	4.383E+00	4.847E+00	4.779E+00	5.113E-01	3.153E-02	<3.65E-02
Tree 8	7805	7.010E+00	6.220E+00	6.500E+00	7.700E+00	2.870E+00	NST[b]
Tree 8	8312	6.523E+00	4.761E+00	2.103E+00	1.076E+00	4.162E-01	1.904E-01
Tree 9	7711	1.130E+00	3.550E+00	9.830E+00	6.620E+00	1.230E+00	NST
Tree 9	8302	3.210E+00	7.230E+00	1.038E+01	3.280E+00	3.500E-01	5.990E-02
Tree 9	8312	1.073E+01	1.059E+01	1.266E+00	8.234E-01	4.572E-02	<1.21E-02
Tree 191	8502	2.647E+01	2.687E+01	2.028E+01	1.212E+01	1.368E+00	1.110E+00
Tree 192	8502	1.677E+01	1.562E+01	1.232E+01	9.977E+00	7.869E-01	1.370E-01
Tree 195	8505	8.572E+00	6.536E+00	3.580E+00	1.233E+00	1.494E+00	2.185E+00
Tree 196	8505	1.045E+01	7.383E+00	4.790E+00	3.291E+00	7.789E+00	2.023E-01
Tree 197	8505	4.961E+00	4.025E+00	2.104E+00	8.044E-01	3.328E+00	1.631E+00
Tree 198	8505	6.194E+00	5.307E+00	6.412E+00	7.255E+00	3.472E+00	4.730E-01
Tree 199	8505	6.519E+00	2.027E+00	3.105E+00	1.242E+00	2.978E-01	3.148E-02
Tree 200	8505	7.374E+00	NDA[c]	4.436E+00	3.259E+00	NDA	9.775E-01
Ts0261	7506	7.890E+00	3.720E+00	3.700E+00	4.420E+00	9.670E-01	<2.41E-02
Section E2							
Banana 2g	8312	2.973E+00	1.923E+00	1.014E+00	1.847E-01	6.171E-01	4.734E-02
Banana 6q	8312	2.378E+00	<9.91E-03	7.162E-01	4.685E-01	1.982E+00	2.703E-02
Banana 9n	8312	4.000E+00	2.554E+00	1.946E+00	8.559E-01	7.117E-01	3.423E+00
Breadf 1e	8312	3.277E+00	1.905E+00	1.340E+00	2.001E-01	2.998E-01	2.038E-01
Breadf 4v	7808	2.370E+00	2.140E+00	2.190E+00	2.280E+00	2.240E+00	NST
Breadf 7v	7808	7.200E-01	5.300E-01	7.900E-01	3.800E-01	1.200E-01	NST
Breadf 7v	8312	1.627E+00	6.315E-01	4.752E-01	1.563E-01	9.068E-02	<1.40E-02
Breadf 8s	8312	1.036E+00	1.545E+00	<9.91E-03	<9.91E-03	7.973E-01	2.162E-01
Breadf 9u	8312	2.730E+00	1.484E+00	6.167E-01	<9.91E-03	1.396E-01	<1.31E-02
Coco 4v	8312	5.419E+00	3.173E+00	1.277E+00	1.185E+00	8.874E-01	1.064E+00
Coco 6t	8312	3.223E+00	6.550E+00	6.261E+00	4.869E+00	2.959E+00	1.367E+00
Pand 4e	8312	<9.91E-03	1.680E+00	1.770E+00	<9.91E-03	<9.91E-03	<9.91E-03
Pand 6b	8312	2.324E+00	1.122E+00	<9.91E-03	8.919E-01	<9.91E-03	6.982E-01
Pand 7h	8312	3.696E+00	2.555E+00	2.733E+00	1.764E+00	5.266E-01	6.378E-01
Papaya 1d	8312	1.820E+00	1.369E+00	1.667E+00	1.014E+00	4.955E-01	5.405E-02
Papaya 1h	8312	2.658E-01	1.757E-01	1.396E+00	2.626E+00	4.189E-01	3.153E-02
Papaya 2a	8312	1.311E+00	1.468E+00	1.802E-02	7.117E-01	1.000E+00	1.036E-01
Papaya 2f	8312	3.928E+00	2.369E+00	3.446E+00	1.135E+00	<9.91E-03	7.658E-02
Papaya 4a	7805	1.950E+00	1.460E+00	1.480E+00	1.710E+00	1.760E+00	NST
Papaya 4h	8312	1.946E+00	2.155E+00	1.406E+00	1.064E+00	4.200E-02	<1.64E-02
Papaya 4n	7811	3.250E+00	1.714E+00	2.040E+00	2.709E+00	1.155E+00	NST

Table D-8. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Papaya 4n	7904	3.836E+00	2.788E+00	2.324E+00	2.719E+00	1.856E+00	2.110E-01
Papaya 5q	7805	4.540E+00	1.560E+00	1.560E+00	1.730E+00	2.010E+00	NST
Papaya 5q	7811	2.248E+00	2.677E+00	1.779E+00	1.418E+00	1.837E+00	NST
Papaya 6a	8312	2.529E+00	1.837E+00	1.385E+00	1.056E+00	1.380E-01	4.059E-01
Papaya 6j	7811	3.355E+00	2.918E+00	1.640E+00	1.068E+00	6.968E-01	NST
Papaya 6j	7904	2.712E+00	2.681E+00	2.149E+00	1.074E+00	5.225E-01	1.750E-01
Papaya 6o	7904	9.509E+00	3.091E+00	2.131E+00	1.920E+00	1.812E+00	2.955E-01
Papaya 7r	8312	4.950E+00	3.214E+00	2.045E+00	8.617E-01	1.234E+00	4.465E+00
Papaya 8c	8312	1.892E+00	1.548E+00	NDA	5.099E-01	1.378E-01	<3.92E-02
Papaya 8l	8312	4.191E+00	2.364E+00	1.182E+00	1.451E+00	7.005E-01	4.180E-01
Papaya 8n	7805	4.240E+00	3.450E+00	3.930E+00	2.370E+00	2.000E+00	NST
Papaya 8v	7805	1.980E+00	7.400E-01	7.700E-01	4.900E-01	2.500E-01	NST
Squash 1g	7711	3.770E+00	2.340E+00	1.990E+00	1.840E+00	1.090E+00	NST
Squash 2d	7711	5.260E+00	2.340E+00	1.400E+00	7.000E-01	5.700E-01	NST
Squash 3f	7711	4.720E+00	2.930E+00	3.030E+00	1.260E+00	7.000E-02	NST
Squash 3j	7711	1.240E+00	1.460E+00	7.000E-01	3.600E-01	8.400E-01	NST
Squash 4c	7711	4.470E+00	4.390E+00	2.920E+00	2.680E+00	1.140E+00	NST
Squash 4m	7711	2.840E+00	4.710E+00	4.020E+00	3.090E+00	3.390E+00	NST
Squash 5k	7711	1.340E+00	1.590E+00	4.500E-01	2.400E-01	3.700E-01	NST
Squash 5p	7711	2.970E+00	3.670E+00	3.690E+00	3.650E+00	4.380E+00	NST
Squash 6m	7711	5.280E+00	3.360E+00	2.560E+00	2.130E+00	3.040E+00	NST
Squash 7a	7711	7.240E+00	2.960E+00	2.260E+00	2.570E+00	8.200E-01	NST
Squash 7n	7711	7.930E+00	5.860E+00	3.840E+00	3.000E+00	3.860E+00	NST
Squash 8d	7711	1.120E+00	1.590E+00	9.700E-01	6.100E-01	4.600E-01	NST
Squash 9q	7711	1.050E+00	9.000E-01	4.600E-01	1.340E+00	4.444E+00	NST
Swpot 6k	7904	1.868E+00	9.117E-01	8.221E-01	8.486E-01	2.105E-01	1.820E-01
Swpot 6n	7904	5.113E+00	3.624E+00	3.085E+00	1.587E+00	2.199E+00	1.465E+00
Watmel 2c	7711	2.580E+00	1.260E+00	1.100E+00	7.300E-01	6.000E-01	NST
Watmel 2k	7711	3.210E+00	1.770E+00	3.850E+00	3.310E+00	1.100E-01	NST
Watmel 4b	7711	2.380E+00	3.410E+00	2.790E+00	9.600E-01	2.240E+00	NST
Watmel 4f	7711	1.540E+00	1.400E+00	1.180E+00	3.700E-01	3.800E-01	NST
Watmel 4l	7711	5.020E+00	4.760E+00	1.970E+00	2.240E+00	1.320E+00	NST
Watmel 4q	7711	3.710E+00	3.590E+00	3.020E+00	1.400E+00	8.000E-01	NST
Watmel 5e	7711	4.240E+00	3.780E+00	6.770E+00	6.730E+00	5.480E+00	NST
Watmel 5j	7711	1.180E+00	2.640E+00	2.460E+00	3.200E-01	3.800E-01	NST
Watmel 5n	7711	2.820E+00	5.710E+00	4.460E+00	3.340E+00	2.430E+00	NST
Watmel 6c	7711	7.600E-01	1.030E+00	1.540E+00	6.900E-01	8.300E-01	NST
Watmel 6p	7711	3.880E+00	2.760E+00	2.160E+00	1.240E+00	1.010E+00	NST
Watmel 7b	7711	1.610E+00	2.090E+00	2.200E+00	1.810E+00	1.330E+00	NST
Watmel 7g	7711	3.000E+00	6.130E+00	3.740E+00	2.320E+00	8.100E-01	NST
Watmel 7k	7711	2.680E+00	4.150E+00	2.160E+00	5.600E-01	1.030E+00	NST
Watmel 8e	7711	7.400E-01	8.500E-01	6.400E-01	5.700E-01	2.100E-01	NST
Watmel 8r	7711	3.940E+00	3.510E+00	2.260E+00	9.900E-01	5.900E-01	NST
Watmel 9i	7711	1.073E+01	9.870E+00	6.780E+00	7.120E+00	7.970E+00	NST
Tree 10	7711	1.622E+01	1.037E+01	6.630E+00	3.730E+00	5.260E+00	NST
Tree 10	7908	1.375E+01	6.725E+00	3.162E+00	1.047E+00	2.302E+00	3.746E+00
Tree 10	8302	1.533E+01	1.110E+01	5.311E+00	3.901E+00	1.261E+00	1.622E+00

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Table D-8. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 10	8305	1.145E+01	3.697E+00	2.967E+00	2.153E+00	2.122E+00	1.706E+00
Tree 25	7908	1.532E+01	1.277E+01	1.574E+01	6.000E+00	4.361E-01	6.712E-01
Tree 25	8305	1.143E+01	1.428E+01	1.933E+01	9.171E+00	4.644E-01	2.466E+00
Tree 25ab	8012	1.721E+01	1.451E+01	8.676E+00	2.009E+00	3.168E-01	5.878E+00
Tree 25cd	8012	2.391E+01	2.269E+01	2.948E+01	3.440E+00	3.408E+00	2.711E-01
Tree 43	8002	1.255E+00	8.356E-01	6.730E-01	7.027E-01	1.004E+00	3.725E-01
Tree 43	8302	1.910E+00	8.919E-01	2.207E-01	1.378E-01	1.662E-01	9.090E-02
Tree 44	8002	7.532E+00	1.720E+00	1.451E-01	1.969E-01	8.023E-02	6.131E-02
Tree 5	7711	6.950E+00	7.650E+00	8.980E+00	5.050E+00	3.950E+00	NST
Tree 5	8312	6.707E+00	3.811E+00	3.259E+00	1.373E+00	1.961E+00	6.333E+00
Tree 52	8212	7.346E+00	2.296E+00	2.166E+00	8.440E-01	<1.87E-02	<9.10E-03
Tree 53	8212	7.676E+00	4.622E+00	2.673E+00	1.369E-01	5.541E-02	5.243E-02
Tree 6	7711	5.720E+00	4.020E+00	3.470E+00	2.430E+00	1.800E+00	NST
Tree 6	8312	3.611E+00	2.529E+00	4.129E+00	2.395E+00	2.226E-01	4.355E-02
Tree 7	7805	5.720E+00	3.530E+00	3.810E+00	2.600E+00	NST	NST
Tree 7	8312	4.977E+00	3.010E+00	2.455E+00	4.752E-01	5.883E-02	3.816E-02
Tree 181	8502	5.486E+00	3.859E+00	2.948E+00	1.115E+00	1.663E-01	4.310E-01
Tree 183	8502	5.604E-01	3.062E-01	1.882E-01	8.405E-02	3.545E-02	4.032E-02
Tree 184	8502	1.155E+01	6.964E+00	2.898E+00	1.491E+00	8.054E+00	9.167E+00
Tree 185	8502	1.031E+01	9.941E+00	7.455E+00	9.833E+00	1.843E+00	5.063E-01
Tree 186	8502	2.970E+00	2.213E+00	1.293E+00	1.452E+00	1.722E+00	3.698E-01
Tree 187	8502	4.761E+00	3.443E+00	2.608E+00	1.032E+00	2.211E-01	5.167E-02
Tree 188	8502	2.875E+00	1.927E+00	1.805E+00	1.379E+00	4.411E-02	5.090E-02
Tree 189	8502	6.225E+00	4.436E+00	4.815E+00	3.736E+00	4.123E+00	9.500E-01
Tree 190	8502	4.613E+00	3.659E+00	1.643E+00	5.559E-01	3.311E-01	2.368E-01
Tree 193	8505	7.701E+00	6.223E+00	3.126E+00	3.631E-01	1.551E-01	3.064E-01
Tree 194	8505	6.753E+00	7.099E+00	9.079E+00	4.189E+00	1.319E+00	3.528E+00
Tr r3no	8012	8.860E+00	6.968E+00	4.140E+00	2.262E+00	2.001E+00	1.325E-01
Tr r6st	8012	8.833E+00	3.935E+00	4.235E+00	2.892E+00	1.342E+00	1.468E+00
Ts0251	7506	1.258E+01	7.360E+00	6.180E+00	7.320E+00	3.770E+00	NST
Section E3							
Banana mg	7911	1.414E+01	1.160E+01	6.477E+00	1.321E+00	1.521E-01	4.122E-02
Tree jk-1	8012	1.173E+01	1.538E+01	1.484E+01	3.014E+00	2.643E-01	1.208E-01
Tree jk-2	8012	8.131E+00	2.853E+00	4.716E-01	1.229E+01	1.545E+00	4.437E-02
Tree 1	7711	5.540E+00	4.700E+00	4.030E+00	3.360E+00	3.590E+00	NST
Tree 1	7805	7.280E+00	4.590E+00	3.700E+00	1.410E+00	3.220E+00	NST
Tree 1	7908	8.982E+00	7.541E+00	4.820E+00	3.282E+00	1.749E+00	1.500E+00
Tree 1	8305	5.446E+00	2.071E+00	1.340E+00	1.661E+00	3.582E+00	2.359E+00
Tree 11	7711	8.570E+00	8.250E+00	7.900E+00	5.140E+00	1.700E-01	NST
Tree 11	8312	6.171E+00	2.284E+00	5.671E+00	1.622E+00	6.622E-02	<1.23E-02
Tree 2	7711	4.920E+00	2.510E+00	2.180E+00	3.250E+00	2.320E+00	NST
Tree 2	8302	4.470E+00	2.960E+00	3.240E+00	1.710E+00	1.780E+00	3.239E-01
Tree 2	8305	3.245E+00	6.257E-01	2.577E-01	1.436E+00	6.270E-01	4.617E-01
Tree 2a	8502	3.018E+00	2.286E+00	2.645E+00	2.418E+00	9.842E-01	3.915E-01
Tree 2ad	8012	4.340E+00	2.982E+00	9.779E+00	1.349E+00	1.710E+00	2.822E+00
Tree 2bc	8012	4.443E+00	1.970E+00	2.088E+00	1.886E+00	1.409E+00	2.343E-01

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Table D-8. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 3	7805	1.216E+01	6.060E+00	4.400E+00	3.810E+00	1.810E+00	NST
Tree 3	8302	3.590E+00	1.306E+01	1.388E+00	1.580E+00	9.580E-01	2.390E+00
Tree 3	8502	2.669E+00	1.132E+00	9.482E-01	8.581E-01	6.108E-01	6.104E-01
Tree 35	7904	6.797E+00	5.797E+00	3.810E+00	1.304E+00	2.971E-01	1.315E-01
Tree 35	8302	7.297E+00	3.423E+00	1.680E+00	6.036E-01	1.099E-01	1.441E-01
Tree 36	8012	1.212E+01	7.167E+00	6.297E+00	4.468E+00	7.113E-02	5.293E-02
Tree 4	8012	2.576E+01	6.685E+00	1.584E+00	3.473E+00	2.359E+00	2.647E-01
Tree 72	8312	1.656E+01	6.964E+00	6.437E+00	1.512E+00	6.505E-01	2.671E-01
Tree 105	8502	7.306E-01	5.743E-01	4.214E-01	3.323E-01	6.671E-02	3.891E-02
Tree 106	8502	<1.06E-02	1.959E+00	1.296E+00	1.296E+00	1.100E+00	1.560E-01
Tree 107	8502	2.583E+00	1.799E+00	8.811E+00	1.986E+00	1.510E+00	8.396E-01
Tree 130	8502	3.315E+00	2.136E+00	3.068E+00	1.359E+00	7.401E-01	1.127E-01
Tree 164	8502	1.524E+00	1.175E+00	7.730E-01	8.243E-01	2.925E-01	1.737E-01
Tree 165	8502	3.316E+00	1.088E+00	4.968E-01	2.272E-01	1.405E-01	3.577E-02
Tree 166	8502	5.221E+00	2.152E+00	1.653E+00	9.851E-01	6.514E-01	3.786E-02
Tree 167	8502	8.505E+00	5.703E+00	1.425E+00	2.821E+00	1.095E+00	1.261E-01
Tree 168	8502	3.252E+00	1.230E+00	2.837E-01	1.492E-01	6.788E-02	<1.49E-02
Tree 173	8502	2.600E+01	1.316E+01	6.396E+00	6.072E+00	6.108E-01	1.301E-01
Tree 174	8502	1.856E+00	8.234E-01	1.608E-01	6.640E-02	3.112E-02	<1.32E-02
Tree 175	8502	6.000E+00	3.145E+00	9.275E-01	1.932E-01	5.005E-02	4.910E-02
Tree 176	8502	2.497E+00	1.495E+00	1.656E+00	1.970E+00	1.175E+00	4.011E-01
Tree 177	8502	2.478E+00	1.214E+00	1.128E+00	7.221E-01	3.872E-01	3.486E-02
Tree 178	8502	4.255E+00	2.707E+00	2.774E+00	1.160E+00	6.509E-01	8.410E-02
Tree 179	8502	2.062E+00	1.133E+00	6.649E-01	3.692E-01	7.477E-02	4.856E+00
Tree 180	8502	2.968E+00	1.584E+00	1.432E+00	2.828E-01	7.324E-01	2.754E-01
Tree 182	8502	2.064E+00	1.473E+00	9.270E-01	3.136E-01	5.095E-02	5.459E-02
Ts0241	7506	6.070E+00	2.920E+00	2.340E+00	3.020E+00	2.360E+00	NST
801	7506	8.680E+00	3.870E+00	4.370E+00	8.590E-01	1.210E-01	NST
Section E4							
Papaya ev	8002	4.874E+00	3.514E+00	2.527E+00	1.243E+00	3.802E-01	5.725E-01
Papaya ev	8002	4.559E+00	2.877E+00	1.171E+00	4.662E-01	1.899E-01	8.991E-02
Papaya e.	7911	7.986E+00	4.081E+00	1.779E+00	2.011E+00	1.424E+00	2.030E-01
Papy n.w.	7911	1.348E+01	6.081E+00	3.594E+00	1.140E+00	1.675E+00	3.871E+00
Tree 12	7711	5.100E-01	4.800E-01	4.500E-01	3.600E-01	2.800E-01	NST
Tree 12	7805	7.100E-01	6.700E-01	9.400E-01	1.390E+00	6.400E-01	NST
Tree 12	7908	1.119E+00	7.230E-01	4.554E-01	1.591E-01	7.509E-02	2.091E-01
Tree 12	8008	6.189E-01	6.387E-01	4.376E-01	2.932E-01	1.243E+00	3.028E-02
Tree 12	8302	1.150E+00	6.122E-01	5.532E-01	<9.91E-03	2.779E-01	<9.91E-03
Tree 16	7711	1.470E+01	1.256E+01	8.770E+00	1.020E+01	3.280E+00	NST
Tree 16	8302	6.919E+00	3.340E+00	2.430E+00	1.410E+00	1.680E+00	6.721E-01
Tree 32	7904	2.724E+00	1.697E+00	1.337E+00	1.478E-01	2.077E-01	4.360E-01
Tree 32	8302	5.270E+00	3.662E+00	1.847E+00	2.455E+00	8.784E-01	6.171E-01
Tree 34	7904	4.331E+01	8.676E+00	4.304E+00	6.995E+00	2.613E+00	1.003E+00
Tree 34 e	8012	3.128E+01	1.745E+01	1.191E+01	7.405E+00	2.888E+00	7.573E-01
Tree 34 n	8012	2.678E+01	1.300E+01	4.541E+00	4.269E+00	1.424E+00	9.374E-01
Tree 34	8302	1.302E+01	4.221E+00	4.297E+00	1.991E+00	1.266E+00	1.005E+00

Table D-8. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 34	8312	1.746E+01	1.074E+01	4.318E+00	2.838E+00	1.333E+00	4.077E-01
Tree 34	8502	1.578E+01	1.286E+01	1.106E+01	4.384E+00	1.960E+00	1.216E+00
Tree 50	8212	5.658E+00	1.902E+00	7.189E-01	2.302E-01	<1.08E-02	<1.18E-02
Tree 51	8212	5.126E+00	2.757E+00	2.272E+00	1.294E+00	3.216E-01	5.275E-02
Tree 56	8212	4.442E+00	4.642E+00	7.131E+00	9.554E+00	6.940E-01	3.040E-01
Tree 108	8502	2.154E+00	1.587E+00	1.743E+00	1.156E+00	5.833E-01	4.370E-02
Tree 125	8502	5.225E+00	1.483E+00	1.224E+00	8.279E-01	1.154E+00	1.189E+00
Tree 126	8502	6.284E+00	1.662E+00	1.238E+00	8.725E-01	5.234E-01	1.346E+00
Tree 127	8502	1.750E+00	4.896E-01	2.654E-01	2.442E-01	4.404E-02	<1.29E-02
Tree 128	8502	2.296E+00	7.176E-01	4.928E-01	8.036E-01	7.761E-01	6.050E-02
Tree 129	8502	1.699E+00	1.208E+00	9.032E-01	3.345E-01	3.664E-01	2.636E-01
Tree 139	8502	4.671E+00	2.563E+00	1.161E+00	1.097E+00	9.910E-01	1.124E-01
Tree 147	8502	2.173E+00	1.445E+00	1.089E+00	1.148E+00	2.823E-01	3.181E-01
Tree 172	8502	1.177E+00	9.131E-01	3.688E-01	1.822E-01	5.739E-01	6.815E-02
Ts0271	7506	4.260E+00	1.600E+00	1.120E+00	2.730E-01	1.500E-01	NST
802	7506	1.390E+00	1.280E+00	1.240E+00	2.070E+00	2.670E+00	NST
Section E5							
Tree 13	7711	5.310E+00	4.850E+00	3.160E+00	2.760E+00	1.810E+00	NST
Tree 13	8312	3.768E+00	1.488E+00	1.899E+00	1.099E+00	1.489E+00	1.319E+00
Tree 17	7805	4.170E+00	2.710E+00	9.500E-01	4.900E-01	6.000E-01	NST
Tree 17	8008	3.442E+00	8.464E-01	2.083E-01	1.056E-01	1.718E-01	5.595E-02
Tree 17	8305	7.667E+00	4.127E+00	1.417E+00	8.869E-02	4.559E-02	5.027E-02
Tree 17b	8012	1.029E+01	1.790E+00	1.725E-01	1.183E-01	2.578E-01	4.662E-02
Tree 18	7811	3.647E+00	3.299E+00	2.727E+00	3.872E+00	8.068E-01	7.977E-01
Tree 23	7904	5.923E+00	5.221E+00	3.245E+00	6.347E-01	9.221E-02	7.703E-02
Tree 31	7904	1.284E+01	8.635E+00	3.723E+00	7.941E-01	4.883E-02	<1.42E-02
Tree 31	8302	7.342E+00	4.595E+00	3.590E+00	5.811E+00	5.270E-02	7.658E-02
Tree 41	8002	6.288E+00	3.921E+00	2.871E+00	3.323E-01	9.392E-02	5.054E-02
Tree 41	8302	1.649E+00	9.955E-01	1.059E+00	1.180E+00	4.640E-02	3.333E-02
Tree 42	8002	4.730E+00	2.265E+00	1.126E+00	3.722E-01	7.788E-02	4.608E-02
Tree 42	8012	5.644E+00	3.901E+00	2.403E+00	1.915E+00	7.311E-02	4.793E-02
Tree 42	8012	4.083E+00	2.276E+00	1.512E+00	1.255E+00	4.761E-01	1.291E-01
Tree 80	8312	1.326E+01	1.536E+01	2.056E+00	2.388E-01	8.212E-02	2.811E-02
Tree 109	8502	3.807E+00	3.104E+00	1.691E+00	1.341E+00	2.158E+00	3.818E-01
Tree 110	8502	1.427E+00	6.162E-01	3.843E-01	2.278E-01	5.788E-02	<1.02E-02
Tree 111	8502	2.725E+00	1.111E+00	8.532E-01	7.068E-01	3.036E-01	2.560E-01
Tree 112	8502	1.554E+00	6.383E-01	4.117E-01	1.555E-01	3.687E-01	3.205E-01
Tree 113	8502	3.245E+00	2.851E+00	2.053E+00	<1.13E-02	3.047E-01	1.456E+00
Tree 114	8502	2.830E+00	1.750E+00	1.165E+00	8.896E-01	3.788E-01	4.091E-01
Tree 119	8502	2.286E+00	7.977E-01	4.554E-01	1.421E-01	4.716E-02	5.023E-02
Tree 120	8502	4.441E-01	4.788E-01	2.036E-01	4.752E-02	<1.33E-02	<1.01E-02
Tree 121	8502	9.342E-01	5.860E-01	2.095E-01	5.514E-02	<1.27E-03	<1.33E-02
Tree 122	8502	1.292E+00	7.149E-01	2.788E-01	1.913E-01	3.044E-02	2.955E-02
Tree 123	8502	3.399E+00	1.882E+00	1.070E+00	6.018E-01	2.250E-01	<1.13E-02
Tree 124	8502	1.372E+00	3.427E+00	1.892E+00	1.256E+00	5.896E-01	3.070E-01
Tree 136	8502	9.054E+00	4.784E+00	3.374E+00	7.090E-01	2.282E-01	1.274E-01

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Table D-8. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 137	8502	9.486E+00	8.063E+00	1.008E+00	9.432E-01	3.227E-01	9.374E-02
Tree 138	8502	1.942E+01	1.418E+01	8.234E+00	7.041E+00	6.532E+00	4.354E+00
Tree 142	8502	3.981E+00	2.062E+00	6.077E-01	2.095E-01	1.818E-01	2.263E-01
Tree 144	8502	3.135E+00	1.553E+00	4.667E-01	<7.80E-03	2.719E+00	9.072E-02
Tree 145	8502	1.359E+01	1.781E+01	1.600E+01	3.516E-01	1.488E+00	9.041E-02
Tree 146	8502	7.068E+00	4.604E+00	3.298E+00	1.480E+00	3.940E-01	2.316E-01
Tree 154	8502	6.288E+00	6.135E+00	6.878E+00	3.600E+00	7.892E-02	<1.16E-02
Tree 155	8502	9.122E+00	5.405E+00	2.310E+00	4.152E-01	1.069E-01	6.928E-01
Tree 156	8502	1.369E+01	1.619E+01	1.435E+01	6.604E+00	4.241E-01	1.178E+00
Tree 163	8502	6.356E+00	4.955E+00	6.392E+00	1.014E+00	7.820E-01	9.941E-02
Tree 170	8502	4.860E+00	2.873E+00	1.511E+00	6.234E-01	4.269E+00	6.063E+00
Tree 171	8502	2.306E+00	1.777E+00	3.009E+00	3.426E-01	5.018E-01	3.877E-01
Tree 201	8505	6.497E+00	4.328E+00	1.146E+00	5.787E-01	8.935E-02	5.254E-02
Tree 202	8505	5.475E+00	4.910E+00	4.749E+00	1.536E+00	8.124E-02	<1.31E-01
803	7506	1.073E+01	1.034E+01	8.740E+00	9.950E+00	1.109E+01	1.035E+01
Section E6							
Tree 14	7908	5.149E+00	3.757E+00	2.682E+00	1.581E+00	1.346E+00	1.948E-01
Tree 15	7711	1.179E+01	8.660E+00	6.550E+00	8.080E+00	1.147E+01	NST
Tree 15	8302	6.919E+00	6.432E+00	8.982E+00	5.698E+00	2.590E+00	4.608E+00
Tree 19	7904	4.405E+00	4.003E+00	4.305E+00	4.063E+00	1.142E+01	1.347E+01
Tree 19	8302	4.761E+00	4.649E+00	3.200E+00	2.350E+00	9.018E-01	5.856E+00
Tree 20	7904	1.337E+01	1.463E+01	9.698E+00	8.649E+00	7.559E+00	7.293E+00
Tree 20	8302	1.179E+01	9.910E+00	9.018E+00	7.491E+00	1.209E+01	2.140E+00
Tree 21	7904	1.729E+01	1.545E+01	1.571E+01	1.030E+01	4.514E+00	1.416E+00
Tree 21	8302	1.500E+01	1.112E+01	7.761E+00	3.670E+00	1.176E+00	1.030E+00
Tree 22	8012	7.248E+00	1.152E+01	2.797E+00	9.320E-02	6.595E-01	4.233E-01
Tree 22	8302	6.509E+00	3.060E+00	1.640E+00	1.099E-01	8.378E-02	1.162E-01
Tree 74	8312	9.171E+00	7.680E+00	1.802E+01	3.297E+01	3.321E+01	1.948E+01
Tree 76	8312	1.304E+01	7.333E+00	1.098E+00	6.968E-01	5.396E-01	7.342E-02
Tree 78	8312	1.340E+01	7.928E+00	1.224E+01	2.360E+00	2.483E-01	7.703E-02
Tree 115	8502	9.396E+00	4.351E+00	4.851E+00	2.409E+00	1.042E+00	3.876E-01
Tree 116	8502	6.333E+00	2.855E+00	2.058E+00	5.622E+00	4.869E-01	2.470E-01
Tree 117	8502	4.658E+00	1.637E+00	1.022E+00	1.071E+00	1.184E+00	8.018E-02
Tree 118	8502	4.793E+00	1.533E+00	6.464E-01	6.369E-01	3.889E-01	2.073E-01
Tree 131	8502	2.348E+00	1.244E+00	2.089E+00	3.053E+00	7.829E-02	<8.30E-03
Tree 132	8502	7.045E+00	5.613E+00	6.014E+00	4.448E+00	4.910E+00	5.450E-01
Tree 133	8502	1.201E-01	6.860E-01	2.668E-01	2.995E-01	9.577E-02	1.964E-02
Tree 134	8502	1.456E+01	6.446E+00	3.137E+00	1.530E+00	5.743E-01	4.316E-01
Tree 135	8502	7.883E+00	4.145E-01	4.829E+00	2.546E+00	4.491E-02	2.500E-02
Tree 140	8502	1.473E+01	1.033E+01	4.095E+00	1.029E+00	8.973E-01	7.392E-01
Tree 141	8502	1.090E+00	4.450E-01	9.784E-02	4.527E-02	3.959E-02	<1.11E-02
Tree 148	8502	1.495E+00	1.455E+00	1.128E+00	8.306E-01	3.168E-01	3.480E-01
Tree 149	8502	9.117E+00	8.509E+00	7.050E+00	5.068E+00	2.156E+00	NST
Tree 150	8502	3.869E-01	3.101E-01	9.986E-02	5.423E-02	6.793E-02	2.766E-01
Tree 151	8502	4.399E+00	3.293E+00	1.935E+00	7.752E-01	1.578E+00	7.333E-01
Tree 152	8502	4.959E+00	5.995E+00	6.185E+00	1.049E+00	3.905E-01	1.254E-02

Table D-8. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 153	8502	7.901E+00	1.095E+01	6.153E+00	2.502E-01	1.570E-01	5.653E-01
Tree 157	8502	1.162E+00	7.595E-01	3.479E-01	7.514E-02	1.736E-01	<9.94E-03
Tree 158	8502	5.739E+00	3.495E+00	3.712E+00	8.725E-01	1.870E+00	8.212E-02
Tree 159	8502	3.073E+00	2.873E+00	1.914E+00	5.360E-01	3.779E-01	2.718E-01
Tree 160	8502	3.161E+00	1.816E+00	1.285E+00	1.029E+00	1.736E+00	3.074E-02
Tree 161	8502	2.337E+00	2.037E+00#	1.927E+00	1.357E+00	1.529E+00	1.155E+00
Tree 162	8502	2.334E+00	2.308E+00	5.248E+00	3.186E+00	2.774E+00	4.658E+00
S. runway	8502	2.972E+00	2.071E+00	7.396E-01	2.164E-01	2.451E-01	2.386E-01
Ts0301	7506	1.136E+01	9.600E+00	9.770E+00	1.055E+01	1.382E+01	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-2.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

[c] Sample was taken but no data is available.

Table D-9. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Aerokojlol Island (B-13) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 97	7811	2.919E-01	2.549E-01	1.636E-01	1.622E-02	6.829E-03	NST[b]
Site 98	7811	2.606E-01	2.251E-01	1.960E-01	1.143E-01	8.221E-02	NST
Site 183	7811	3.928E-01	2.706E-01	1.576E-01	1.922E-02	NST	NST
Site 184	7811	1.956E-01	2.870E-02	1.607E-02	9.901E-03	4.137E-02	1.273E-02
Site 185	7811	3.541E-01	4.468E-02	3.191E-02	6.613E-02	1.333E-01	NST
Site 186	7811	2.130E-02	1.484E-02	1.321E-01	1.810E-02	1.077E-02	NST
Site 187	7811	1.482E-02	4.402E-02	4.536E-02	1.121E-02	2.157E-02	7.266E-03
Site 188	7811	4.706E-02	4.729E-02	5.204E-02	4.838E-02	1.289E-02	<4.82E-03
Site 189	7811	<9.43E-05	6.286E-02	5.722E-02	2.464E-01	1.535E-01	<4.62E-03
Site 190	7811	5.059E-01	2.903E-01	7.689E-02	2.297E-02	1.351E-02	<3.37E-03
Site 191	7811	1.012E-01	1.261E-01	4.977E-02	3.882E-02	4.739E-02	NST
Site 197	7811	1.594E-01	1.011E-01	5.043E-02	8.849E-03	2.884E-03	1.779E-03
Site 198	7811	4.533E-02	4.813E-02	1.394E-02	3.241E-02	2.141E-02	1.351E-02

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-9.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-10. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Lele Island (B-15) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 175	7811	1.201E+00	4.541E-01	3.597E-01	1.803E-01	1.029E-01	8.428E-02
Site 182	7811	1.034E-01	1.304E-01	1.359E-01	1.132E-01	1.258E-01	NST[b]
Site 195	7811	1.017E-01	6.477E-02	2.724E-02	<1.46E-02	<1.61E-02	2.721E-01
Site 199	7811	4.725E-01	1.401E-01	9.326E-02	1.790E-01	1.706E-01	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-10.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-11. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Eneman Island (B-16) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 176	7811	9.523E-01	3.301E-01	3.944E-01	3.230E-01	3.137E-01	3.626E-01
Site 177	7811	3.518E+00	3.383E+00	2.430E+00	2.882E+00	2.358E+00	2.250E+00
Site 178	7811	3.011E+00	3.014E+00	2.718E+00	2.961E+00	2.828E+00	2.785E+00
Site 179	7811	4.599E+00	2.697E+00	1.997E+00	1.826E+00	1.390E+00	6.261E-01
Site 180	7811	3.793E+00	5.176E+00	6.477E+00	3.557E+00	3.100E+00	2.570E+00
Site 181	7811	2.745E+00	1.093E+00	1.233E+00	1.303E+00	1.517E+00	1.258E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-11.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

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Table D-12. Cesium-137 radionuclide concentration summary of individual soil profiles taken on Enidrik Island (B-17) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 99	7811	6.676E+01	1.343E+01	3.098E+00	6.901E+00	5.419E-01	3.007E-01
Site 140	7811	1.200E+00	7.243E-01	1.011E+00	9.559E-02	1.111E-01	2.152E-01
Site 141	7811	7.160E-01	5.528E-01	4.748E-01	2.547E-01	NDA[b]	1.032E-01
Site 142	7811	1.052E-01	2.305E-01	1.413E-01	9.434E-02	8.830E-02	8.541E-02
Site 143	7811	5.946E+00	4.455E+00	3.667E+00	5.428E-01	1.666E-01	7.905E-01
Site 144	7811	2.308E+00	9.725E-01	7.491E-01	3.772E-01	3.436E-01	2.145E-01
Site 145	7811	1.638E-01	1.641E-01	1.000E-01	1.028E-01	1.212E-01	8.644E-02
Site 146	7811	2.116E+00	2.138E+00	1.034E+00	1.748E-01	2.960E-01	NDA
Site 147	7811	3.442E+00	3.723E+00	4.307E-01	1.074E-01	6.748E-02	1.441E-01
Site 148	7811	1.216E-01	1.746E-01	1.239E-01	1.896E-01	1.686E-01	2.053E-01
Site 149	7811	1.202E-01	1.369E-01	1.938E-01	1.216E-01	1.377E-01	1.537E-01
Site 150	7811	1.543E-01	1.402E-01	1.982E-01	2.497E-01	3.561E-01	2.123E-01
Site 151	7811	2.190E+00	1.800E+00	1.464E+00	7.468E-01	4.363E-01	9.797E-02
Site 152	7811	6.495E+00	4.252E+00	8.775E+00	2.805E+00	2.382E-01	1.003E-01
Site 153	7811	2.810E+00	5.117E-01	2.394E-01	3.264E-01	5.572E-01	8.824E-01
Site 154	7811	3.127E+01	1.304E+01	3.861E+00	7.833E-01	2.141E-01	2.705E-01
Site 155	7811	3.954E-01	3.070E-01	2.258E-01	5.207E-01	6.288E-01	NST[c]
Site 156	7811	1.714E-01	1.811E-01	1.767E-01	1.184E-01	1.922E-01	1.434E-01
Site 157	7811	3.305E+00	1.551E+00	9.964E-01	1.712E+00	9.320E-01	8.009E-01
Site 158	7811	3.820E+00	1.083E+00	7.482E-01	4.640E-01	2.777E-01	3.238E-01
Site 159	7811	1.182E+01	1.572E+01	1.902E+01	1.626E+01	4.748E+00	NST
Site 160	7811	4.594E-01	4.615E-01	5.227E-01	1.429E+00	4.008E+00	4.937E-01
Site 161	7811	1.165E+00	1.392E+00	7.381E-01	2.129E-01	2.033E-02	8.757E-02
Site 162	7811	1.210E+01	7.414E+00	2.551E+00	2.961E+00	5.847E+00	6.329E-02
Site 163	7811	2.890E+00	1.647E+00	1.550E+00	1.295E+00	2.339E+00	1.297E+00
Site 164	7811	1.408E-01	1.361E-01	1.798E-01	1.974E-01	4.051E-01	4.126E-01
Site 165	7811	7.565E-01	7.279E-01	2.715E-01	2.018E-02	1.468E-02	NST
Site 166	7811	7.086E-01	1.500E+00	1.250E+00	6.568E-01	4.707E-01	NDA
Site 167	7811	1.636E+00	6.658E-01	2.953E-01	1.224E-01	7.684E-02	1.212E-01
Site 168	7811	2.565E+00	1.893E+00	9.738E-01	8.559E-01	2.928E-01	1.347E-01
Site 169	7811	1.536E+00	1.973E+00	9.986E-01	9.288E-02	3.407E-02	3.057E-02
Site 170	7811	1.298E+00	4.786E-01	5.200E-01	6.573E-01	3.124E+00	2.674E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-12.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

5000494

ble D-13. Cesium-137 radionuclide concentration summary of individual soil ofiles taken on Lukoj Island (B-18) in pCi/g dry weight.

tion	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
171	7811	4.127E+01	6.144E+00	3.000E+00	1.105E+01	3.550E+00	NST[b]
172	7811	4.179E+01	4.411E+01	1.949E+01	1.402E+01	1.568E+00	1.772E+00
173	7811	3.857E+01	5.901E+00	7.995E+00	2.945E+00	4.896E-01	1.192E-01

Specific activities are not decay corrected to 1987 but based on the date taken.
ng sites are shown in Fig. A-13.
he date is given by the last two digits of the year followed by the month, e.g., 7811 is
er 1978.
sample taken.

0-14. Cesium-137 radionuclide concentration summary of individual soil les taken on Jelete Island (B-19) in pCi/g dry weight.

n	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
00	7811	2.406E+01	2.114E+01	1.701E+01	9.947E+00	7.957E+01	2.883E+01
A	7811	9.989E+01	4.174E+01	1.250E+01	7.054E+00	2.023E+00	1.360E+00

pecific activities are not decay corrected to 1987 but based on the date taken.
sites are shown in Fig. A-14.
date is given by the last two digits of the year followed by the month, e.g., 7811 is
1978.

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Table D-15. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Nam Island (B-1) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 225	7811	1.960E+02	2.460E+01	4.995E+02	6.694E+02	1.664E+03	2.924E+03
Site 226	7811	1.918E+01	2.110E+01	3.016E+01	2.182E+01	2.255E+01	2.381E+01
Site 227	7811	2.994E+01	2.027E+01	1.423E+01	1.000E+01	6.171E+00	5.941E+00
Site 228	7811	1.560E+01	1.233E+01	1.173E+01	8.203E+00	1.741E+01	NST[b]
Site 229	7811	1.764E+01	1.134E+01	1.918E+01	1.773E+01	8.230E+00	1.048E+01
Site 230	7811	3.226E+01	3.581E+01	4.689E+01	3.519E+01	2.727E+01	2.020E+01
Site 231	7811	3.002E+01	1.640E+01	1.889E+01	3.100E+01	3.500E+01	3.682E+01
Site 232	7811	3.955E+01	3.112E+01	2.075E+01	1.254E+01	6.090E+00	5.910E+00
Site 233	7811	6.667E+00	1.916E+00	1.495E+00	1.195E+00	7.626E-01	1.218E+00
Site 234	7811	2.167E+02	5.252E+02	1.848E+02	4.273E+01	2.500E+01	1.876E+01
Site 235	7811	4.470E+01	4.514E+01	3.159E+01	2.644E+01	1.689E+01	1.503E+01
Site 236	7811	3.373E+01	1.335E+01	1.072E+01	8.306E+00	6.279E+00	4.400E+00
Site 237	7811	2.193E+01	2.562E+01	5.464E+01	1.653E+01	2.480E+01	4.937E+00
Site 238	7811	2.742E+01	3.305E+01	2.049E+01	1.335E+01	1.228E+01	8.617E+00
Site 239	7811	2.237E+01	1.606E+01	1.295E+01	8.495E+00	8.005E+00	NST
Site 240	7811	2.014E+02	3.435E+01	2.458E+01	2.532E+01	2.963E+01	5.131E-01
Site 241	7811	1.145E+02	4.991E+01	3.546E+01	5.149E+01	5.941E+01	7.815E+01
Site 242	7811	7.392E+01	2.738E+01	6.104E+01	1.399E+02	6.347E+01	2.023E+01
Site 243	7811	4.190E+01	3.535E+01	2.041E+01	2.494E+01	3.346E+01	NST
Site 244	7811	9.225E+00	1.461E+01	4.842E+00	4.242E+00	7.369E+00	3.501E+00
Site 245	7811	4.523E+02	2.679E+02	9.838E+01	1.014E+02	6.680E+01	8.099E+01
Site 246	7811	2.052E+02	6.095E+01	4.851E+01	7.964E+01	1.765E+01	6.176E+00
Site 247	7811	1.168E+02	1.197E+02	7.221E+01	6.608E+01	1.697E+01	1.099E+01
Site 248	7811	4.536E+01	5.441E+01	6.162E+01	7.126E+01	6.914E+01	1.246E+01
Site 249	7811	1.805E+02	8.302E+01	2.033E+02	2.409E+01	9.878E+00	1.242E+01
Site 250	7811	4.730E+02	3.165E+02	9.032E+01	1.648E+02	1.462E+02	6.086E+01
Site 252	7811	4.671E+01	4.509E+01	4.216E+01	5.279E+01	6.023E+01	4.429E+01
Site 253	7811	6.081E+01	7.428E+01	5.527E+01	5.847E+01	6.387E+01	1.217E+02
Site 254	7811	2.518E+01	3.581E+01	3.290E+01	7.694E+01	1.294E+02	7.041E+01
Site 255	7811	7.550E+01	6.171E+01	9.441E+01	2.801E+01	2.373E+01	1.399E+01
Site 256	7811	4.784E+00	5.396E+00	7.563E+00	1.116E+01	8.054E+00	3.678E+00
Site 258	7811	2.453E+01	2.398E+01	2.135E+01	3.382E+01	1.355E+01	5.968E+00
Site 259	7811	5.977E+01	1.094E+01	8.194E+00	6.590E+00	8.824E+00	1.055E+01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-3.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-16. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Iroij Island (B-2) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 257	7811	2.564E+00	2.864E+00	1.969E+00	1.588E+00	2.850E+00	3.867E+00
Site 260	7811	1.039E+02	4.085E+01	1.095E+01	6.162E+00	4.577E+00	3.675E+00
Site 261	7811	8.126E+00	4.739E+00	6.563E+00	5.203E+01	5.883E+00	4.233E+00
Site 262	7811	1.963E+02	6.514E+00	1.254E+01	1.502E+01	6.833E+00	5.950E+00
Site 263	7811	2.591E+00	2.873E+00	2.828E+00	6.374E-01	6.414E-01	NST[b]
Site 264	7811	6.288E+01	3.882E+01	1.494E+01	1.095E+01	6.977E+00	6.387E+00
Site 265	7811	6.333E+00	5.703E+00	5.450E+00	1.758E+01	8.590E+00	5.063E+00
Site 266	7811	1.076E+01	3.815E+00	3.572E+00	2.544E+00	3.314E+00	1.505E+00
Site 267	7811	5.000E+00	4.982E+00	9.023E+00	3.796E+00	5.149E+00	1.418E+00
Site 268	7811	6.662E+00	3.084E+00	4.883E+00	7.212E+00	7.847E+00	1.699E+01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-4.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-17. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Odrik Island (B-3) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 269	7811	1.037E+01	2.181E+01	1.247E+01	1.451E+01	4.050E+00	9.554E-01
Site 270	7811	2.918E+00	5.712E+00	4.761E+00	5.144E+00	9.135E+00	1.219E+01
Site 271	7811	1.891E+01	1.781E+01	9.266E+00	6.491E+00	5.523E+00	3.885E+00
Site 272	7811	1.761E+00	2.000E+00	2.275E+00	3.304E+00	1.623E+01	NST[b]
Site 273	7811	8.730E+00	1.823E+01	1.822E+01	1.967E+01	2.702E+00	2.882E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-5.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-18. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Lomilik Island (B-4) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 202	7811	1.291E+01	8.108E+00	1.287E+01	1.923E+01	1.642E+01	1.314E+00
Site 203	7811	1.209E+01	1.085E+01	8.144E+00	8.680E+00	1.709E+01	1.598E+01
Site 204	7811	1.429E+01	1.351E+01	1.321E+01	1.287E+01	1.747E+01	1.014E+01
Site 205	7811	1.027E+01	1.403E+01	1.095E+01	9.491E+00	1.442E+01	9.797E+00
Site 206	7811	2.416E+01	6.590E+00	5.000E+00	5.910E+00	5.946E+00	3.953E+00
Site 207	7811	8.144E+00	7.874E+00	9.932E+00	9.797E+00	9.018E+00	9.234E+00
Site 208	7811	1.230E+01	1.399E+01	1.247E+01	1.196E+01	1.524E+01	1.324E+01
Site 209	7811	1.524E+01	1.544E+01	1.496E+01	5.590E+01	NST[b]	NST
Site 210	7811	2.770E+00	6.081E+00	4.358E+00	7.500E+00	8.378E+00	1.719E+01
Site 211	7811	6.590E+01	3.764E+01	2.872E+01	1.578E+01	7.027E+00	2.939E+00
Site 212	7811	4.725E+01	2.770E+01	2.193E+01	2.419E+01	3.257E+01	2.872E+01
Site 213	7811	1.427E+02	9.189E+01	9.491E+01	5.563E+01	2.149E+01	1.740E+01
Site 214	7811	1.291E+01	1.061E+01	1.432E+01	1.429E+01	1.081E+01	1.291E+01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-6.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-19. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Aomen Island (B-5) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 200	7811	8.752E+00	5.099E+00	2.588E+01	5.910E+00	4.595E+00	NST[b]
Site 201	7811	6.590E-01	7.095E-01	2.770E+00	4.662E+00	1.290E+01	1.554E+01
Site 224	7811	7.550E+00	2.241E+01	1.032E+01	8.793E+00	6.311E+00	3.065E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-7.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

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Table D-20. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Bikini Island (B-6) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section B1							
Tree b-20	8002	1.225E+02	1.613E+02	2.252E+02	1.371E+01	5.392E+01	NDA[b]
508	7506	1.990E+02	2.325E+02	2.979E+02	4.192E+02	1.970E+02	9.770E+01
Section B2							
Hfh-3	7506	1.735E+01	1.183E+01	1.065E+01	7.730E+01	1.352E+01	NDA
Hfh-4	7506	6.500E+01	3.671E+01	1.649E+01	1.809E+01	NDA	NST[c]
Hse 39	7708	6.820E+02	3.450E+02	1.050E+01	6.000E+00	1.090E+00	NST
Tree b-4	8312	1.843E+02	1.635E+02	1.851E+02	2.528E+02	1.609E+02	1.018E+01
Tree b-16	7908	4.725E+01	5.491E+00	1.367E+00	5.928E-01	4.514E-01	NDA
Tree b-21	8002	4.275E+01	4.626E+01	5.820E+01	4.180E+01	2.428E+01	NDA
Tree b-3	7805	7.707E+01	8.486E+01	2.796E+02	2.853E+02	5.811E+01	NST
Tree b-45	8212	2.950E+01	4.302E+01	4.054E+01	2.387E+01	1.162E+01	1.045E+01
Tree b-47	8212	9.712E+01	7.613E+01	5.005E+01	3.757E+01	2.279E+01	5.405E-01
Ts0081	7506	5.977E+01	1.461E+02	3.504E+02	1.012E+02	3.583E+01	NST
Ts0201	7506	3.451E+01	4.500E+01	2.486E+01	2.057E+01	1.723E+01	NDA
507	7506	2.681E+02	1.687E+02	1.824E+01	8.901E-01	NST	NST
Section B3							
Hfh-2	7506	5.662E+00	6.041E+00	5.333E+00	6.243E+00	NDA	NST
Hfh-5	7506	1.149E+02	3.219E+02	2.350E+02	4.793E+01	NDA	NST
Hse 35 1	7811	6.567E+01	7.328E+01	6.234E+01	4.046E+01	1.295E+02	4.406E+01
Hse 35	7711	2.020E+01	3.520E+01	6.030E+01	3.715E+01	1.695E+01	NST
Hse 35	8312	7.261E+01	6.270E+01	7.964E+01	1.435E+02	2.129E+02	6.995E+01
Tree b-11	7908	2.262E+02	3.244E+02	2.864E+02	1.316E+02	2.065E+01	NDA
Tree b-12	7908	5.577E+01	7.581E+01	8.914E+01	9.248E+01	1.353E+02	NDA
Tree b-13	7908	1.369E+01	1.513E+01	1.607E+01	1.952E+01	2.076E+01	NDA
Tree b-2	7908	4.182E+00	5.752E+00	3.526E+00	1.447E+00	3.412E+00	NDA
Tree b-22	8003	3.060E+00	4.340E+00	1.590E+01	7.700E-01	1.100E-01	NDA
Tree b-9	7805	1.967E+01	2.088E+01	2.387E+01	2.123E+01	6.250E+00	NST
Ts0091	7506	4.389E+01	8.883E+01	1.301E+02	8.356E+01	2.950E+01	NDA
Ts0101	7506	7.905E+01	4.991E+01	3.244E+01	1.850E+01	5.147E+00	NST
Ts0111	7506	6.396E+01	9.523E+01	8.194E+01	8.338E+01	2.173E+01	NST
Ts0121	7506	1.380E+02	2.343E+02	3.183E+02	2.304E+01	6.816E+01	2.493E+00
Ts0131	7506	3.421E+02	1.689E+02	1.279E+02	2.570E+01	2.725E+00	NST
506	7506	1.937E+02	2.143E+02	1.940E+02	1.585E+02	1.529E+02	1.029E+02
Section B4							
Hse 16	7811	7.355E+01	8.333E+01	7.783E+01	7.711E+01	7.180E+00	3.473E-01
Hse 16-17	7711	3.654E+01	4.604E+01	6.635E+01	1.208E+02	1.470E+02	NST
Hse 16-17	7708	4.380E+01	9.500E+01	1.170E+02	1.330E+02	2.305E+02	NST
Hse 16-17	7711	4.346E+01	3.782E+01	8.797E+01	1.652E+02	2.118E+02	NST
Hse 17	7805	9.869E+01	7.351E+01	4.995E+01	1.494E+01	8.010E-01	NST
Hse 17 b	7811	1.962E+02	2.998E+02	1.461E+02	5.266E+01	6.500E+00	1.254E-01

Table D-20. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Hse 22	7711	7.520E+00	8.680E+00	8.760E+00	1.627E+01	4.140E+01	NST
Hse 24	7811	1.622E+01	1.882E+01	1.274E+01	1.574E+01	7.365E+00	2.189E+01
Hse 24	7811	7.793E+01	9.266E+01	9.140E+01	3.429E+01	2.291E+02	2.772E+02
Hse 25 n	7805	1.392E+01	1.483E+01	1.597E+01	1.367E+01	3.643E+01	NST
Hse 25-26	7805	2.059E+02	2.885E+02	2.024E+02	3.255E+01	6.650E+00	NST
Hse 26	7805	2.000E+02	1.494E+02	1.400E+02	3.757E+01	2.369E+01	NST
Hse 27	7811	2.180E+00	2.510E+00	1.150E+00	8.270E-01	1.334E+01	3.986E+00
Hse 27	7811	2.883E+02	2.960E+02	3.374E+02	8.599E+01	1.337E+02	1.524E+01
Hse 28	7811	1.329E+01	1.247E+01	2.439E+01	3.615E+01	2.370E+01	2.301E+01
Hse 30	7811	6.500E+00	5.194E+00	7.130E+00	9.690E+00	1.450E+00	1.672E-01
Tree b-1	8312	9.662E+01	1.295E+02	1.365E+02	1.536E+02	8.842E+01	4.505E-01
Tree b-14	7908	8.892E+00	6.815E+00	4.604E+00	4.644E+00	6.842E+00	NDA
Tree b-23	8002	1.878E+01	2.014E+01	1.136E+02	3.387E+01	3.302E+01	NDA
Tree b-30	7908	9.676E+01	1.118E+02	1.105E+02	1.631E+01	1.840E+00	NDA
Tree b-31	7908	2.676E+01	1.815E+01	1.847E+01	1.108E+01	4.100E+00	NDA
Tree b-34	7811	4.560E+00	1.221E+01	1.495E+01	1.513E+01	7.530E+00	9.198E+00
Tree b-7	7711	4.110E+01	6.390E+01	4.420E+01	6.330E+01	2.080E+01	NST
Tree b-40	8212	7.455E+01	5.721E+01	5.959E+01	6.311E+01	6.550E+01	6.761E+01
Tree b-41	8212	2.351E+01	1.995E+01	2.464E+01	1.309E+02	3.446E+01	1.126E+01
Tree b-80	8312	5.703E+01	9.023E+01	9.518E+01	9.437E+01	4.505E-01	4.955E+00
Ts0012	7506	1.911E+02	1.961E+02	2.034E+02	8.869E+01	3.014E+02	NST
Ts0031	7506	2.757E+01	5.527E+01	3.643E+01	5.081E-01	<9.001E-01	NST
Ts0041	7506	1.973E+01	4.950E+01	3.368E+01	4.088E+01	5.653E+00	NST
Ts0051	7506	1.950E+02	2.032E+02	2.420E+02	1.882E+02	2.142E+02	NST
Ts0061	7506	5.122E+01	1.769E+01	7.518E+00	1.350E+02	4.424E+02	3.506E+02
Ts0062	7506	7.838E+01	3.867E+01	7.892E+01	7.622E+01	1.077E+02	NST
Ts0071	7506	1.071E+02	1.140E+02	1.046E+02	1.686E+02	4.220E+01	NST
Ts0161	7506	1.944E+01	2.055E+01	3.382E+01	3.122E+01	3.293E+01	3.079E+01
Ts0181	7506	1.202E+02	9.784E+01	1.732E+02	6.063E+01	3.758E+01	4.585E+01
Ts0191	7506	4.950E+01	5.117E+01	4.806E+01	2.204E+01	1.857E+01	5.309E+01
505	7506	1.157E+02	1.000E+02	1.226E+02	4.148E+00	NDA	NDA
Section B5							
Hse 14 f	7805	2.055E+01	2.490E+01	2.748E+01	2.914E+01	4.033E+01	NST
Hse 7	7811	2.937E+01	2.860E+01	3.181E+01	3.682E+01	2.265E+01	1.130E+01
Hse 7	8302	1.356E+02	2.185E+02	1.504E+02	1.136E+02	1.770E+01	1.378E+01
Tree b-10	7811	1.291E+02	2.110E+02	5.027E+02	1.595E+02	7.874E+00	1.463E+01
Tree b-24	8008	3.710E+01	4.221E+01	1.563E+01	5.536E+01	4.144E+01	NDA
Tree b-26	8012	9.986E+01	4.333E+01	6.194E+01	3.577E+01	8.560E+00	NDA
Tree b-33	7908	9.982E+01	1.954E+02	1.082E+02	3.063E+01	1.748E+01	NDA
Tree b-6	7811	8.063E+01	6.450E+01	6.000E+01	3.068E+01	1.950E+01	1.389E+01
Tree b-6	7711	8.280E+01	8.050E+01	6.340E+01	4.230E+01	4.360E+01	NST
Ts0001	7506	6.338E+01	6.230E+01	8.554E+01	1.026E+02	7.840E+01	NST
Ts0002	7506	4.797E+01	5.743E+01	6.022E+01	2.015E+02	6.541E+01	NST
Ts0003	7506	4.389E+01	4.040E+01	9.928E+01	2.433E+02	8.702E+01	NST
Ts0171	7506	1.360E+01	5.063E+01	4.138E+01	3.558E+01	3.564E+00	NST

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Table D-20. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree b-43	8212	2.117E+01	2.419E+01	2.685E+01	1.793E+01	5.577E+01	1.230E+01
503	7506	6.869E+01	1.204E+02	7.036E+01	NST	NST	NST
504	7506	2.208E+02	2.458E+02	2.826E+01	7.973E+00	NDA	NDA
Section B6							
Tree b-15	8302	1.556E+02	1.059E+01	1.041E+01	4.955E+01	1.802E+00	1.441E+00
Tree b-25	8002	1.232E+02	1.205E+02	6.941E+01	7.671E+01	4.009E+01	NDA
Tree b-8	7805	3.501E+01	1.610E+01	1.929E+01	2.211E+01	1.292E+01	NST
Ts0231	7506	2.997E+01	1.078E+01	9.788E+00	1.275E+01	7.111E+00	NST
501	7506	2.370E+02	3.271E+02	2.942E+02	2.046E+02	8.815E+01	NST
502	7506	2.871E+02	4.493E+02	1.111E+02	6.932E+00	NST	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-1.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

Table D-21. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Rojkere Island (B-10) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 192	7811	1.520E+00	1.612E+00	5.541E+00	9.122E+00	6.622E+00	8.784E+00
Site 193	7811	3.693E+01	2.176E+01	1.304E+01	6.045E+00	4.199E+00	5.234E+00
Site 194	7811	6.450E-01	6.014E-01	7.739E-01	2.581E+00	1.095E+00	1.095E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-8.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

Table D-22. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Eneu Island (B-12) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section E1							
Tree 37	7908	3.950E+00	2.959E+00	4.441E+00	2.546E+00	8.167E+00	NDA[b]
Tree 38	7908	4.490E+00	4.386E+00	3.113E+00	4.200E+00	2.994E+00	NDA
Tree 8	7805	4.660E+00	6.000E+00	6.240E+00	1.061E+01	7.540E+00	NST[c]
Tree 8	8312	5.041E+00	4.635E+00	3.351E+00	2.806E+00	2.495E+00	6.620E-01
Tree 9	8302	1.568E+00	4.266E+00	6.532E+00	4.595E+00	8.383E+00	3.685E+00
Tree 55	8212	6.050E+00	5.018E+00	5.599E+00	4.423E+00	2.586E+00	7.520E-01
Tree 70	8312	3.221E+00	2.721E+00	2.631E+00	2.378E+00	8.240E-01	4.460E-01
Tree 191	8502	1.257E+01	1.368E+01	1.877E+01	2.016E+01	7.782E+00	5.298E+00
Ts0261	7506	4.690E+00	6.420E+00	7.320E+00	1.137E+01	6.500E+00	3.410E-01
Section E2							
Papaya 4n	7811	1.318E+00	7.095E-01	3.649E+00	9.158E+00	6.158E+00	NST
Papaya 5q	7811	7.063E-01	1.125E+00	9.761E-01	9.761E-01	1.784E+00	NST
Papaya 5q	7805	1.330E+00	1.040E+00	1.100E+00	1.380E+00	1.450E+00	NST
Papaya 6j	7811	1.628E+00	2.017E+00	1.101E+00	1.554E+00	2.351E+00	NST
Papaya 8n	7805	2.350E+00	3.150E+00	2.970E+00	3.820E+00	4.230E+00	NST
Papaya 8v	7805	1.050E+00	1.030E+00	1.520E+00	9.870E-01	8.430E-01	NST
Squash 4m	7711	3.990E+00	2.610E+00	1.500E+00	2.700E+00	6.090E+00	NST
Squash 5p	7711	1.190E+00	1.400E+00	1.200E+00	1.020E+00	1.390E+00	NST
Squash 6m	7711	2.230E+00	2.820E+00	3.620E+00	4.860E+00	7.980E+00	NST
Squash 7a	7711	1.890E+00	2.640E+00	1.040E+00	2.100E+00	1.320E+00	NST
Squash 7n	7711	8.250E+00	3.520E+00	4.280E+00	2.780E+00	8.990E+00	NST
Squash 9q	7711	1.750E+00	8.640E-01	3.630E-01	9.030E-01	1.100E+00	NST
Sw pot 6k	7904	1.037E+00	9.620E-01	1.601E+00	1.198E+00	9.020E-01	NDA
Watmel 2c	7711	1.140E+00	1.470E+00	1.380E+00	2.460E+00	1.420E+00	NST
Watmel 4f	7711	8.920E-01	7.520E-01	7.470E-01	3.370E-01	4.630E-01	NST
Watmel 4q	7711	1.620E+00	2.630E+00	1.630E+00	8.200E-01	6.400E-01	NST
Watmel 5e	7711	1.810E+00	2.480E+00	4.320E+00	4.400E+00	7.210E+00	NST
Watmel 5j	7711	1.040E+00	1.580E+00	3.050E+00	7.630E-01	7.990E-01	NST
Watmel 6p	7711	2.330E+00	2.620E+00	1.920E+00	1.950E+00	5.600E+00	NST
Watmel 7b	7711	5.900E-01	6.620E-01	7.090E-01	6.430E-01	9.360E-01	NST
Watmel 7g	7711	1.400E+00	2.410E+00	2.560E+00	8.620E+00	4.330E+00	NST
Tree 10	7908	2.261E+00	3.279E+00	3.910E+00	2.509E+00	1.622E+00	NDA
Tree 25	7908	5.378E+00	7.207E+00	1.561E+01	8.851E+00	2.658E+00	NDA
Tree 43	8003	1.255E+00	1.128E+00	1.443E+00	2.712E+00	2.341E+00	NDA
Tree 44	8003	6.176E+00	2.251E+00	9.243E-01	1.005E+00	6.820E-01	NDA
Tree 5	7711	3.110E+00	4.120E+00	4.400E+00	4.330E+00	4.550E+00	NST
Tree 52	8212	1.613E+00	1.541E+00	1.964E+00	1.793E+00	8.330E-01	7.930E-01
Tree 6	7711	2.900E+00	3.260E+00	3.430E+00	5.120E+00	3.740E+00	NST
Tree 7	7805	1.400E+00	2.560E+00	4.900E+00	3.000E+00	NST	NST
Tree 7	8312	1.338E+00	1.095E+00	1.613E+00	1.261E+00	1.760E-01	2.250E-01
Tree 184	8502	6.989E+00	4.994E+00	4.082E+00	1.437E+00	6.059E+00	NDA
Tree 188	8502	2.121E+00	2.560E+00	4.599E+00	2.979E+00	6.208E-01	4.630E-01

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Table D-22. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tr r3no	8012	1.964E+00	2.672E+00	3.405E+00	7.829E+00	1.304E+01	NDA
Ts0251	7506	8.780E+00	7.570E+00	8.240E+00	6.210E+00	1.450E+01	NST
Section E3							
Tree 1	7805	3.100E+00	2.820E+00	2.740E+00	9.460E-01	3.660E+00	NST
Tree 1	7711	3.990E+00	3.390E+00	4.540E+00	7.140E+00	5.450E+00	NST
Tree 11	8312	1.500E+00	6.620E-01	2.640E+00	7.120E-01	5.090E-01	4.100E-01
Tree 2	7711	1.210E+00	1.460E+00	1.250E+00	2.340E+00	2.120E+00	NST
Tree 3	7805	2.850E+00	2.480E+00	2.910E+00	2.630E+00	2.130E+00	NST
Tree 35	7904	2.910E+00	6.730E+00	4.189E+00	2.041E+00	7.387E-01	NDA
Tree 36	8012	5.234E+00	6.234E+00	7.347E+00	8.068E+00	2.096E+00	NDA
Tree 4	8012	2.859E+00	2.808E+00	1.208E+00	6.320E+00	9.595E+00	NDA
Tree 72	8312	5.608E+00	5.230E+00	5.054E+00	1.014E+00	5.090E-01	3.290E-01
Tree 105	8502	3.187E-01	3.051E-01	3.121E-01	1.005E-01	2.906E-02	1.865E-02
Ts0241	7506	3.290E+00	3.560E+00	4.620E+00	3.640E+00	6.430E+00	NST
801	7506	4.200E+00	3.520E+00	5.980E+00	2.400E+00	2.240E+00	NST
Section E4							
Tree 12	7805	2.770E-01	2.980E-01	4.520E-01	1.260E+00	1.210E+00	NST
Tree 16	8302	1.351E+00	2.095E+00	1.126E+00	3.063E+00	1.800E-01	3.290E-01
Tree 32	7904	6.622E-01	4.910E-01	1.230E+00	4.505E-01	3.153E+00	NDA
Tree 34	7904	1.950E+00	9.910E-01	7.793E-01	8.108E-01	3.081E+00	NDA
Tree 51	8212	1.090E-01	2.110E-01	1.380E-01	1.306E+00	7.250E-01	5.990E-01
Tree 172	8502	6.263E-01	5.946E-01	1.710E+00	2.039E-01	8.951E-02	2.118E-03
Ts0271	7506	2.430E+00	1.790E+00	1.530E+00	4.120E-01	<3.15E-01	NST
802	7506	1.380E+00	1.450E+00	1.030E+00	6.840E-01	9.780E-01	NST
Section E5							
Tree 13	8312	1.896E+00	2.086E+00	2.306E+00	1.559E+00	1.928E+00	1.797E+00
Tree 17	7805	2.540E+00	2.480E+00	1.580E+00	9.440E-01	6.180E-01	NST
Tree 17	8008	2.247E+00	1.405E+00	6.009E-01	5.572E-01	5.063E-01	NDA
Tree 18	7811	3.370E+00	2.890E+00	2.130E+00	2.530E+00	2.360E+00	2.390E+00
Tree 23	7904	4.360E+00	3.878E+00	2.739E+00	2.054E+00	1.122E+00	NDA
Tree 31	7904	4.689E+00	4.581E+00	4.320E+00	2.050E+00	7.883E-01	NDA
Tree 41	8003	1.090E+00	1.460E+00	3.120E+00	6.980E-01	5.838E-01	NDA
Tree 42	8012	1.911E-01	1.811E+00	2.636E+00	2.429E+00	2.837E-01	NDA
Tree 80	8312	1.991E+01	2.336E+01	8.180E+00	4.662E+00	1.198E+00	1.707E+00
Tree 114	8502	8.241E-01	5.256E-01	9.648E-01	1.389E+00	2.443E+00	3.641E+00
803	7506	1.692E+01	1.571E+01	2.397E+01	2.930E+01	3.192E+01	1.747E+01
Section E6							
Tree 14	7908	2.482E+00	2.541E+00	3.419E+00	2.419E+00	1.721E+00	NDA
Tree 15	8302	4.333E+00	4.563E+00	7.977E+00	6.536E+00	5.545E+00	6.770E+00
Tree 19	7904	6.059E+00	5.072E+00	5.279E+00	4.869E+00	1.787E+01	NDA
Tree 20	7904	1.300E+01	1.279E+01	1.074E+01	1.059E+01	1.218E+01	NDA

Table D-22. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 21	7904	1.056E+01	1.023E+01	1.202E+01	9.802E+00	1.027E+01	NDA
Tree 22	8012	5.149E+00	4.452E+00	8.486E+00	7.468E-01	6.284E-01	NDA
Tree 74	8312	1.369E+01	1.055E+01	2.146E+01	3.578E+01	4.500E+01	4.878E+01
Tree 76	8312	7.946E+00	8.234E+00	1.991E+01	3.108E+00	3.420E-01	9.500E-02
Tree 78	8312	9.559E+00	6.270E+00	4.914E+00	2.149E+00	8.380E-01	5.360E-01
Ts0301	7506	1.776E+01	1.574E+01	1.499E+01	1.611E+01	2.778E+01	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-2.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

Table D-23. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Aerokojlol Island (B-13) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 97	7811	1.617E+00	1.517E+00	1.386E+00	1.228E-01	8.959E-02	NST[b]
Site 98	7811	1.652E+00	3.307E+00	3.764E+00	7.577E-01	4.271E-01	NST
Site 183	7811	6.167E-01	6.207E-01	2.350E-01	1.180E-01	NST	NST
Site 184	7811	3.994E-01	2.102E-01	1.444E-01	2.776E-01	4.414E-01	1.856E-01
Site 185	7811	8.545E-01	5.432E-01	5.158E-01	8.486E-01	1.441E+00	NST
Site 186	7811	7.356E-01	6.324E-01	1.238E+00	5.477E-01	5.441E-01	NST
Site 187	7811	2.722E-01	2.776E-01	3.462E-01	2.626E-01	1.259E-01	1.668E-01
Site 188	7811	3.412E-01	3.480E-01	3.159E-01	2.804E-01	1.899E-01	2.632E-01
Site 189	7811	4.563E-01	3.682E-01	3.480E-01	2.821E-01	1.260E-01	8.613E-01
Site 190	7811	7.095E-01	4.896E-01	2.520E-01	6.284E-02	1.014E-01	2.257E-01
Site 191	7811	5.910E-01	1.297E+00	1.216E+00	6.486E-01	7.937E-01	NST
Site 197	7811	9.523E-01	8.977E-01	3.758E-01	8.856E-02	3.293E-02	2.651E-02
Site 198	7811	2.341E-01	4.155E-01	6.928E-01	4.291E-01	2.774E-01	1.520E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-9.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

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Table D-24. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Lele Island (B-15) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 175	7811	8.347E+00	3.611E+00	1.723E+00	1.122E+00	9.829E-01	6.419E-01
Site 182	7811	9.072E-01	9.707E-01	1.107E+00	1.196E+00	7.847E-01	NST[b]
Site 195	7811	7.297E-01	6.248E-01	3.233E-01	1.321E-01	1.689E-01	2.348E-01
Site 199	7811	6.216E-01	6.216E-01	6.081E-01	5.775E-01	8.581E-01	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-10.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-25. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Eneman Island (B-16) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 176	7811	7.027E-01	7.635E-01	7.198E-01	8.545E-01	7.095E-01	8.108E-01
Site 177	7811	9.662E+00	1.057E+01	1.020E+01	7.806E+00	8.680E+00	7.365E+00
Site 178	7811	1.330E+01	1.349E+01	1.381E+01	1.343E+01	1.663E+01	1.185E+01
Site 179	7811	4.788E+01	2.688E+01	3.302E+01	3.992E+01	4.403E+01	2.080E+01
Site 180	7811	2.343E+01	2.766E+01	3.510E+01	2.166E+01	1.756E+01	1.647E+01
Site 181	7811	4.658E+00	2.470E+00	2.704E+00	4.586E+00	3.809E+00	3.448E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-11.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

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Table D-26. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Enidrik Island (B-17) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 99	7811	5.351E+01	9.509E+00	8.329E+00	1.010E+01	9.302E+00	2.865E+00
Site 140	7811	7.545E+00	7.189E+00	8.000E+00	4.604E+00	2.933E+00	4.105E+00
Site 141	7811	5.401E+00	4.433E+00	2.481E+00	2.005E+00	1.534E+00	1.087E+00
Site 142	7811	8.833E-01	1.123E+00	7.932E-01	4.716E-01	4.860E-01	3.903E-01
Site 143	7811	1.072E+01	1.130E+01	1.096E+01	5.586E+00	3.571E+00	4.198E+00
Site 144	7811	4.757E+00	2.011E+00	1.947E+00	1.078E+00	1.026E+00	5.252E-01
Site 145	7811	3.044E-01	1.554E+00	8.572E-01	9.626E-01	1.162E+00	3.047E+00
Site 146	7811	8.257E+00	1.439E+01	6.725E+00	3.608E+00	4.653E+00	NDA[b]
Site 147	7811	1.171E+01	9.491E+00	2.568E+00	2.029E+00	5.234E-01	4.122E-01
Site 148	7811	3.042E+00	1.010E+00	1.020E+00	2.118E+00	2.351E+00	1.588E+00
Site 149	7811	8.243E-01	1.622E+00	1.208E+02	1.297E+00	1.419E+00	1.409E+00
Site 150	7811	8.734E-01	8.649E-01	1.792E+00	2.055E+00	1.343E+00	1.792E+00
Site 151	7811	4.199E+00	5.198E+00	3.277E+00	1.603E+01	1.872E+00	9.221E-01
Site 152	7811	1.358E+01	1.422E+01	1.795E+01	8.482E+00	2.973E+00	3.311E+00
Site 153	7811	9.401E+00	2.838E+00	1.727E+00	1.367E+00	1.895E+00	1.830E+00
Site 154	7811	3.538E+01	2.378E+01	1.994E+01	1.779E+01	1.372E+01	5.779E+00
Site 155	7811	1.540E+00	2.870E+00	1.980E+00	3.050E+00	3.340E+00	NST[c]
Site 156	7811	1.880E+00	7.671E-01	1.910E+00	2.590E+00	1.930E+00	1.630E+00
Site 157	7811	2.760E+00	5.284E+00	3.880E+00	2.780E+00	2.676E+00	1.415E+00
Site 158	7811	3.670E+01	9.559E+00	6.815E+00	4.541E+00	6.671E+00	6.342E+00
Site 159	7811	8.090E+01	7.883E-01	6.991E+01	4.995E+01	2.766E+01	NST
Site 160	7811	4.100E+00	3.655E+00	5.541E+00	1.584E+01	5.743E+01	6.320E+00
Site 161	7811	3.890E+00	5.712E+00	5.351E+00	3.850E+00	1.807E+00	2.735E+00
Site 162	7811	2.297E+01	8.338E+00	6.473E+00	7.550E+00	8.351E+00	3.212E+00
Site 163	7811	4.860E+00	3.652E+00	2.853E+00	3.457E+00	3.669E+00	2.547E+00
Site 164	7811	1.100E+00	9.757E-01	1.166E+00	1.058E+00	3.499E+00	3.264E+00
Site 165	7811	1.529E+00	1.155E+00	8.554E-01	1.469E-01	1.052E-01	NST
Site 166	7811	2.295E+00	3.817E+00	3.132E+00	1.877E+00	1.913E+00	NDA
Site 167	7811	5.482E+00	2.432E+00	1.463E+00	9.482E-01	NDA	5.946E-01
Site 168	7811	2.786E+00	2.443E+00	1.687E+00	1.651E+00	2.040E+00	2.968E-01
Site 169	7811	3.272E+00	5.649E+00	2.164E+00	1.299E+00	8.387E-01	8.721E-01
Site 170	7811	5.140E+00	3.365E+00	3.352E+00	2.850E+00	1.651E+01	1.945E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-12.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

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Table D-27. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Lukoj Island (B-18) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 171	7811	6.667E+01	2.527E+01	1.882E+01	1.855E+01	1.618E+01	NST[b]
Site 172	7811	1.490E+02	3.716E+01	1.882E+01	1.500E+01	6.248E+00	7.939E+00
Site 173	7811	4.459E+01	2.490E+01	2.034E+01	1.888E+01	1.655E+01	1.740E+01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-13.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-28. Strontium-90 radionuclide concentration summary of individual soil profiles taken on Jelete Island (B-19) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 100	7811	7.117E+01	5.977E+01	2.939E+01	2.818E+01	1.389E+01	1.139E+01
Site 174	7811	1.971E+02	6.378E+01	2.956E+01	2.058E+01	6.014E+00	5.473E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-14.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

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Table D-29. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Nam Island (B-1) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 225	7811	1.470E+02	1.323E+02	7.360E+03	8.779E+02	9.473E+02	2.415E+03
Site 226	7811	2.043E+01	2.190E+01	2.957E+01	2.229E+01	1.965E+01	NDA[b]
Site 227	7811	2.544E+01	1.969E+01	1.106E+01	4.838E+00	1.417E+00	1.651E+00
Site 228	7811	NDA	NDA	NDA	6.275E+00	NDA	NST[c]
Site 230	7811	2.045E+01	2.881E+01	4.658E+01	4.201E+01	2.867E+01	1.114E+01
Site 231	7811	1.664E+01	1.207E+01	1.383E+01	1.422E+01	8.369E-01	2.923E+00
Site 232	7811	1.086E+01	1.191E+01	1.194E+01	4.631E+00	5.721E-01	1.881E-01
Site 233	7811	4.532E+00	1.426E+00	4.500E-01	1.078E-01	8.995E-03	3.255E-01
Site 234	7811	1.044E+02	9.023E+01	7.824E+01	2.045E+01	7.126E+00	3.756E+00
Site 235	7811	2.088E+01	NDA	2.646E+01	1.733E+01	8.225E+00	3.727E+00
Site 236	7811	2.137E+01	1.277E+01	9.027E+00	5.090E+00	2.744E+00	2.212E+00
Site 237	7811	1.808E+01	1.719E+01	6.973E+00	1.260E+01	6.613E+00	6.315E-01
Site 238	7811	1.668E+01	1.882E+01	1.187E+01	5.599E+00	6.901E-01	4.452E-01
Site 239	7811	1.791E+01	1.875E+01	9.730E+00	3.917E+00	4.856E+00	NST
Site 240	7811	6.068E+01	1.281E+01	3.205E+00	7.095E-01	1.256E-01	1.080E-02
Site 241	7811	1.148E+02	3.738E+01	3.042E+01	7.968E+00	4.820E+00	3.297E+00
Site 243	7811	NDA	NDA	1.918E+01	3.882E+00	1.891E+00	NST
Site 244	7811	3.833E+02	2.405E+01	7.716E+00	6.279E+00	1.185E+01	6.221E+00
Site 245	7811	1.466E+02	1.456E+02	1.041E+02	5.806E+01	6.342E+01	1.178E+01
Site 246	7811	1.027E+02	4.932E+01	1.607E+01	1.083E+00	1.123E-01	1.908E-02
Site 247	7811	6.441E+01	7.311E+01	1.309E+01	1.787E+00	7.995E-01	2.442E-01
Site 248	7811	2.241E+01	2.638E+01	3.198E+01	3.050E+01	NDA	1.420E+01
Site 249	7811	2.458E+01	1.825E+01	3.860E+01	1.990E+00	NDA	3.087E-01
Site 250	7811	5.171E+01	6.649E+01	4.010E+01	2.983E+01	1.837E+00	9.554E-01
Site 252	7811	5.126E+01	4.347E+01	1.643E+01	4.626E+00	1.071E+00	8.135E-01
Site 253	7811	3.942E+01	6.432E+01	6.108E+01	5.946E+01	NDA	1.135E+01
Site 254	7811	3.503E+01	NDA	2.062E+01	NDA	5.752E+01	5.590E+01
Site 255	7811	1.152E+02	7.505E+00	2.500E+01	3.056E+01	1.968E+01	9.698E+00
Site 258	7811	1.169E+01	8.086E+00	6.604E+00	1.893E+00	8.770E-02	2.885E-02
Site 259	7811	1.688E+01	5.135E+00	2.391E+00	8.748E-01	2.205E-01	9.221E-02

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-3.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

Table D-30. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Iroij Island (B-2) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 257	7811	2.537E+00	3.356E+00	2.459E+00	1.952E+00	2.957E+00	2.553E+00
Site 260	7811	2.529E+01	1.132E+01	2.245E+00	1.021E+00	4.554E-01	2.208E-01
Site 261	7811	3.145E+00	2.091E+00	2.894E+00	1.236E+01	2.667E+00	1.356E+00
Site 262	7811	2.419E+01	5.527E+00	1.721E+00	1.157E+00	9.523E-01	1.259E-01
Site 263	7811	3.399E+00	4.344E+00	4.766E+00	2.179E+00	2.139E+00	NST[b]
Site 264	7811	2.165E+01	1.583E+01	1.184E+01	1.162E+01	1.269E+01	4.604E+00
Site 265	7811	3.663E+00	4.008E+00	3.331E+00	6.045E+00	3.547E+00	1.041E+00
Site 266	7811	4.644E+00	1.167E+00	7.000E-01	5.599E-01	3.578E-01	4.054E-02
Site 267	7811	2.727E+00	2.399E+00	2.111E+00	2.900E+00	1.423E+00	7.919E-01
Site 268	7811	8.279E+00	5.189E+00	6.414E+00	5.694E+00	5.955E+00	8.581E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-4.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-31. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Odrik Island (B-3) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 269	7811	1.298E+01	1.264E+01	1.045E+01	5.797E+00	4.590E+00	NDA[b]
Site 270	7811	2.793E+00	3.577E+00	3.646E+00	3.484E+00	3.275E+00	4.000E+00
Site 271	7811	4.806E+00	4.344E+00	1.368E+00	3.941E-01	2.500E-01	1.096E-01
Site 272	7811	4.005E+00	5.590E+00	5.644E+00	4.595E+00	8.595E+00	NST[c]
Site 273	7811	5.824E+00	7.351E+00	6.252E+00	4.545E+00	1.502E+00	1.609E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-5.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

Table D-32. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Lomilik Island (B-4) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 202	7811	4.505E+00	5.631E+00	4.459E+00	8.784E+00	7.928E+00	7.748E+00
Site 203	7811	4.640E+00	4.279E+00	4.595E+00	4.685E+00	6.757E+00	6.712E+00
Site 204	7811	5.090E+00	5.315E+00	6.667E+00	6.396E+00	6.306E+00	5.721E+00
Site 205	7811	4.595E+00	4.937E+00	5.631E+00	5.676E+00	7.613E+00	7.162E+00
Site 206	7811	7.477E+00	2.973E+00	2.342E+00	1.712E+00	3.901E-01	3.784E-02
Site 207	7811	5.225E+00	5.991E+00	6.171E+00	5.045E+00	4.505E+00	5.608E+00
Site 208	7811	5.856E+00	6.216E+00	4.279E+00	6.847E+00	6.261E+00	7.838E+00
Site 209	7811	8.784E+00	1.036E+01	7.387E+00	2.297E+01	NST[b]	NST
Site 210	7811	2.252E+00	3.423E+00	2.658E+00	4.369E+00	4.640E+00	1.171E+01
Site 211	7811	3.505E+01	2.964E+01	1.838E+01	1.342E+01	6.216E+00	1.486E+00
Site 212	7811	2.865E+01	1.703E+01	6.081E+00	3.108E+00	1.622E+00	8.559E-01
Site 213	7811	6.757E+01	3.027E+01	2.838E+00	6.982E-01	1.450E-01	8.018E-02
Site 214	7811	1.081E+00	5.766E+00	4.009E+00	3.063E+00	1.126E+00	1.081E+00
Site 215	7811	1.921E+01	1.164E+01	6.117E+00	5.784E+00	8.626E+00	2.633E+00
Site 216	7811	4.040E+01	2.632E+01	2.347E+00	3.663E-01	9.032E-02	NDA[c]
Site 217	7811	1.544E+01	5.874E+00	NDA	NDA	NDA	4.144E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-6.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

[c] Sample was taken but no data is available.

Table D-33. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Aomen Island (B-5) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 200	7811	5.450E+00	3.468E+00	6.126E+00	3.514E+00	2.568E+00	NST[b]
Site 201	7811	6.757E-01	1.171E+00	1.261E+00	2.207E+00	4.739E+00	7.117E+00
Site 218	7811	NDA[c]	5.586E+00	7.036E+00	5.590E+00	2.740E+00	NST
Site 219	7811	4.446E+00	4.205E+00	4.195E+00	5.644E+00	6.703E+00	NST
Site 220	7811	9.806E+00	4.048E+00	NDA	1.408E-01	7.833E-02	NDA
Site 221	7811	2.162E+00	4.242E+00	4.500E+00	2.445E+00	1.803E+00	1.031E+00
Site 222	7811	8.126E-01	9.860E-02	3.702E-02	3.754E-02	3.979E+00	2.446E+00
Site 223	7811	6.527E+00	4.087E+00	1.915E+00	1.034E+00	NDA	NST
Site 224	7811	5.644E+00	9.847E+00	5.059E+00	3.291E+00	3.055E+00	1.759E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-7.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

[c] Sample was taken but no data is available.

Table D-34. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Bikini Island (B-6) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section B1							
Tree b-20	8002	2.085E+01	2.494E+01	2.556E+01	2.611E+01	1.058E+01	NDA[b]
508	7506	1.565E+01	1.974E+01	2.042E+01	3.089E+01	1.440E+01	4.775E-01
Section B2							
Hfh-3	7506	1.448E+00	5.912E-01	8.430E-01	1.004E+01	1.361E-01	NDA
Hfh-4	7506	4.296E+00	2.002E+00	5.541E-01	4.057E-01	NDA	NST[c]
Hse 39	7708	6.230E+01	1.380E+01	3.610E+00	4.390E-01	1.880E-01	NST
Tree b-4	8312	1.864E+01	1.727E+01	2.207E+01	2.157E+01	8.167E+00	1.757E-02
Tree b-16	7908	4.387E+00	2.725E-02	5.518E-02	1.612E-02	1.191E-02	NDA
Tree b-21	8002	6.946E+00	6.590E+00	1.622E+00	5.167E-01	2.395E-01	NDA
Tree b-3	7805	8.580E+00	9.850E+00	2.377E+01	1.848E+01	2.980E+00	NST
Tree b-45	8212	7.122E+00	7.856E+00	8.365E+00	2.937E+00	8.108E-02	9.009E-03
Tree b-47	8212	1.595E+01	9.703E+00	6.135E+00	7.432E-01	4.955E-02	4.054E-03
Ts0081	7506	4.159E+00	1.516E+01	2.197E+01	1.297E+00	2.065E-01	NST
Ts0201	7506	6.441E+00	8.303E+00	2.122E+00	NDA	NDA	NDA
507	7506	2.086E+01	9.098E+00	4.760E-01	NDA	NST	NST
Section B3							
Hfh-2	7506	8.386E-01	1.014E+00	8.373E-01	6.727E-01	NDA	NST
Hfh-5	7506	1.371E+01	6.553E+01	2.148E+01	1.061E-01	NDA	NST
Hse 35	7708	2.720E+00	5.300E+00	9.520E+00	2.260E+00	1.300E-01	NST
Hse 35	7811	1.135E+01	1.107E+01	6.005E+00	2.907E+00	1.077E+01	2.599E-01
Hse 35	8312	2.437E+00	8.964E+00	8.018E+00	5.473E+00	2.833E+01	1.225E+00
Tree b-11	7908	3.608E+01	4.182E+01	3.501E+01	1.036E+01	2.283E-01	NDA
Tree b-12	7908	7.784E+00	1.278E+01	9.793E+00	1.213E+01	1.668E+01	NDA
Tree b-13	7908	2.740E+00	2.677E+00	2.959E+00	3.306E+00	2.075E+00	NDA
Tree b-2	7908	6.959E-01	1.009E+00	5.297E-01	7.135E-02	5.275E-01	NDA
Tree b-22	8002	3.796E-01	7.158E-01	1.590E+00	2.616E-02	7.500E-03	NDA
Tree b-9	7805	5.400E+00	5.120E+00	4.480E+00	2.820E+00	8.510E-02	NST
Ts0091	7506	5.533E+00	1.130E+01	1.742E+01	1.979E+00	3.197E-01	NDA
Ts0101	7506	2.504E+00	1.572E+00	5.442E-01	NDA	2.394E-02	NST
Ts0111	7506	4.532E+00	7.343E+00	1.133E+01	6.727E+00	6.374E-02	NST
Ts0121	7506	1.178E+01	1.445E+01	2.914E+01	5.249E-01	1.125E+00	9.278E-02
Ts0131	7506	3.839E+01	5.374E+00	8.939E-01	1.101E-01	6.622E-02	NST
506	7506	1.440E+01	1.527E+01	1.400E+01	1.089E+01	1.066E+01	5.311E+00
Section B4							
Hse 16-17	7711	2.780E+00	3.580E+00	6.000E+00	9.260E+00	1.096E+01	NST
Hse 16-17	7711	3.480E-01	2.150E+00	7.430E+00	1.472E+01	2.014E+01	NST
Hse 16-17	7708	3.480E+00	7.100E+00	1.280E+01	1.550E+01	1.610E+01	NST
Hse 17	7805	1.057E+01	5.090E+00	1.570E+00	3.890E-01	3.830E-02	NST
Hse 17 b	7811	5.495E+01	4.059E+01	7.342E+00	1.847E+00	1.396E+00	1.991E-02
Tree b-34	7811	1.455E+00	2.968E+00	3.689E+00	1.834E+00	1.477E-01	1.557E-01
Hse 22	7708	9.460E-01	1.100E+00	1.170E+00	1.990E+00	3.990E+00	NST
Hse 24	7811	2.081E+00	3.559E+00	2.207E+00	2.590E+00	1.099E-01	4.414E-02

Table D-34. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Hse 24	7811	1.065E+01	1.081E+01	9.775E+00	1.642E+01	5.716E+01	2.772E+01
Hse 25 n	7805	1.680E+00	1.540E+00	1.650E+00	1.640E+00	4.650E+00	NST
Hse 25-26	7805	1.957E+01	1.929E+01	4.210E+00	6.950E-01	2.540E-01	NST
Hse 26	7805	1.808E+01	2.661E+01	1.195E+01	3.660E+00	9.380E-01	NST
Hse 27 e.	7811	4.599E+01	5.604E+01	5.018E+01	1.629E+01	9.252E+00	1.261E-01
Hse 27 s.	7811	3.636E-01	2.772E-01	1.161E-01	1.437E-01	2.053E+00	1.667E+00
Hse 28	7811	1.203E+00	1.893E+00	1.728E+00	3.774E+00	4.199E+00	1.093E-01
Hse 30	7811	9.811E-01	1.053E+00	1.511E+00	4.599E-01	2.873E-02	3.368E-03
Tree b-1	8312	7.059E+00	1.569E+01	1.537E+01	7.703E+00	2.698E+00	6.081E-01
Tree b-14	7908	1.725E+00	1.068E+00	1.827E-01	1.131E+00	9.919E-01	NDA
Tree b-23	8002	3.973E+00	2.037E+01	8.027E+01	2.458E-01	1.341E-01	NDA
Tree b-30	7908	9.698E+00	1.163E+01	5.644E+00	6.414E+00	3.647E-02	NDA
Tree b-31	7908	2.836E+00	9.149E-01	1.711E+00	3.331E-01	1.441E-02	NDA
Tree b-40	8212	7.315E+00	1.568E+01	1.087E+01	8.473E+00	7.878E+00	6.315E+00
Tree b-41	8212	1.392E+00	9.775E-01	1.446E+00	3.018E-01	6.441E-01	2.072E-01
Tree b-80	8312	8.505E+00	1.428E+01	1.127E+01	1.477E+00	5.541E-02	2.387E-02
Tree b-7	7711	4.570E+00	1.310E+00	5.690E+00	3.700E+00	1.210E+00	NST
Ts0012	7506	1.389E+01	1.561E+01	1.914E+01	6.343E+00	5.131E+00	NST
Ts0031	7506	1.272E+00	3.451E+00	1.086E+00	NDA	1.616E-03	NST
Ts0041	7506	1.439E+00	6.969E+00	7.861E+00	2.034E-01	3.955E-02	NST
Ts0051	7506	1.665E+01	1.998E+01	2.114E+01	1.973E+01	1.998E+01	NST
Ts0061	7506	2.173E+00	1.367E+00	5.281E-01	1.303E+01	3.563E+01	1.189E+01
Ts0062	7506	5.351E+00	3.752E+00	1.264E+00	9.856E+00	5.115E+00	NST
Ts0071	7506	6.744E+00	8.353E+00	7.372E+00	1.412E+01	3.600E-01	NST
Ts0161	7506	2.365E+00	3.182E+00	4.035E+00	3.160E+00	1.810E+00	1.457E+00
Ts0181	7506	1.269E+01	5.281E+00	1.446E+01	2.031E+00	3.683E-01	2.939E-01
Ts0191	7506	5.817E+00	4.791E+00	3.189E+00	7.345E-01	1.381E+00	3.509E+00
505	7506	1.288E+01	1.125E+01	1.496E+01	1.560E+01	NDA	NDA
Section B5							
Hse 14	7805	2.960E+00	3.550E+00	3.000E+00	2.690E+00	3.620E+00	NST
Hse 7	7811	4.131E+00	4.257E+00	5.482E+00	6.320E+00	3.104E+00	6.500E-01
Hse 7	8302	3.539E+01	1.978E+01	4.315E+00	1.015E+01	9.009E-02	5.405E-02
Tree b-10	7811	8.221E+00	7.700E+00	1.306E+01	1.532E+00	6.892E-01	3.559E-01
Tree b-24	8008	8.784E+00	4.027E+00	1.925E+00	1.156E+01	1.946E+00	NDA
Tree b-26	8012	1.248E+01	2.641E+00	1.043E+00	3.044E-01	9.243E-02	NDA
Tree b-33	7908	2.747E+01	4.245E+01	1.384E+01	3.850E+00	3.260E-01	NDA
Tree b-6	7711	1.090E+01	9.060E+00	1.230E+00	4.850E-01	6.400E-01	NST
Tree b-6	7811	1.698E+01	1.292E+01	1.016E+01	2.000E+00	3.874E-01	4.414E-02
Ts0001	7506	7.074E+00	6.592E+00	8.873E+00	1.186E+01	9.307E+00	NST
Ts0002	7506	7.016E+00	6.899E+00	7.176E+00	1.600E+01	1.016E+00	NST
Ts0003	7506	4.342E+00	4.862E+00	1.287E+01	2.151E+01	4.372E+00	NST
Ts0171	7506	1.170E+01	1.073E+00	7.736E-01	NDA	NDA	NST
503	7506	7.045E+00	2.206E+00	2.678E-01	NST	NST	NST
504	7506	2.658E+01	2.450E+01	1.484E+00	2.829E-01	NDA	NDA

Table D-34. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section B6							
Tree b-15	8302	4.167E+00	3.901E+00	2.806E+00	1.536E+00	4.595E-01	1.396E-01
Tree b-25	8002	1.810E+01	2.242E+01	7.000E+00	1.487E+00	8.090E-02	NDA
Tree b-8	7805	5.210E+00	2.370E+00	1.350E+00	3.800E-01	2.110E-01	NST
Tree b-43	8212	3.631E+00	5.018E+00	5.689E+00	2.131E+00	9.851E+00	1.667E-01
Ts0231	7506	3.596E+00	4.588E-01	2.909E-01	3.128E+00	4.278E-02	NST
501	7506	2.760E+01	3.564E+01	2.363E+01	1.420E+00	1.004E-01	NST
502	7506	NDA	4.602E+01	3.779E+00	8.458E-02	NST	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-1.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

Table D-35. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Rojkere Island (B-10) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 192	7811	1.041E+00	6.892E-01	2.041E+00	2.919E+00	2.748E+00	4.099E+00
Site 193	7811	1.081E+01	6.360E+00	3.090E+00	4.505E-01	1.081E-01	5.180E-02
Site 194	7811	3.559E-01	4.685E-01	1.266E+00	1.050E+00	7.162E-01	6.847E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-8.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

Table D-36. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Eneu Island (B-12) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section E1							
Tree 37	7908	7.793E-01	8.198E-01	1.041E+00	4.509E-01	2.752E+00	NDA[b]
Tree 38	7908	1.767E+00	1.586E+00	8.757E-01	1.054E+00	5.203E-02	NDA
Tree 8	7805	7.820E-01	6.910E-01	7.530E-01	8.870E-01	1.410E-01	NST[c]
Tree 8	8312	1.860E+00	8.919E-01 *	4.820E-01	7.658E-02	9.459E-02	4.054E-03
Tree 9	8302	2.027E-01	1.230E+00 *	1.919E+00	1.707E+00	2.378E-02	2.658E-02
Tree 55	8212	1.369E+00	9.595E-01	3.919E-01	1.261E-01	9.459E-02	9.009E-04
Tree 70	8312	7.523E-01	9.910E-01	3.649E-01	1.847E-02	1.937E-03	1.441E-03
Tree 191	8502	4.054E+00	2.952E+00	5.892E-01	6.725E-01	3.292E-01	4.243E-02
Ts0261	7506	8.920E-01	9.412E-01	1.122E+00	7.491E-01	1.233E-01	6.360E-03
Section E2							
Papaya 4n	7811	5.135E-01	3.532E-01	1.622E+00	1.626E+00	3.198E-02	NST
Papaya 5q	7805	2.770E-01	2.200E-01	2.180E-01	2.740E-01	4.010E-01	NST
Papaya 5q	7811	2.982E-01	3.009E-01	3.059E-01	2.541E-01	4.910E-01	NST
Papaya 6j	7811	2.059E-01	2.640E-01	2.680E-01	2.658E-01	5.856E-01	NST
Papaya 8n	7805	6.380E-01	7.750E-01	6.940E-01	5.900E-01	4.180E-01	NST
Papaya 8v	7805	1.830E-01	1.370E-01	2.270E-01	1.310E-01	5.360E-02	NST
Squash 4m	7711	9.630E-01	8.110E-01	4.480E-01	6.920E-01	2.940E+00	NST
Squash 5p	7711	2.700E-01	3.190E-01	3.130E-01	3.580E-01	3.280E-01	NST
Squash 6m	7711	3.300E-01	6.280E-01	9.210E-01	1.350E+00	1.400E+00	NST
Squash 7a	7711	3.640E-01	4.610E-01	2.850E-01	5.130E-01	4.890E-02	NST
Squash 7n	7711	2.550E+00	9.900E-01	1.180E+00	8.240E-01	2.180E+00	NST
Squash 9q	7711	2.260E-01	1.170E-01	3.930E-02	5.230E-01	2.060E-01	NST
Swpot 6k	7904	2.461E-01	2.825E-01	3.012E-01	2.438E-01	4.505E-02	NDA
Watmel 2c	7711	1.980E-01	2.640E-01	1.990E-01	1.980E-01	2.780E-01	NST
Watmel 4f	7711	5.370E-01	2.120E-01	2.190E-01	7.390E-02	7.520E-02	NST
Watmel 4q	7711	4.030E-01	8.100E-01	4.970E-01	1.690E-01	1.020E-01	NST
Watmel 5e	7711	4.730E-01	5.590E-01	1.100E+00	1.060E+00	1.300E+00	NST
Watmel 5j	7711	1.880E-01	3.300E-01	4.140E-01	5.760E-02	7.680E-02	NST
Watmel 6p	7711	4.400E-01	5.400E-01	4.780E-01	8.290E-01	1.480E+00	NST
Watmel 7b	7711	1.230E-01	1.260E-01	1.580E-01	1.800E-01	1.550E-01	NST
Watmel 7g	7711	3.380E-01	7.900E-01	1.000E+00	3.380E+00	6.200E-01	NST
Tree 10	7908	1.041E+00	8.108E-01	7.703E-01	4.685E-01	6.396E-01	NDA
Tree 25	7908	2.131E+00	2.180E+00	4.401E+00	1.892E+00	7.658E-02	NDA
Tree 43	8003	3.325E-01	2.787E-01	2.701E-01	6.775E-01	3.997E-01	NDA
Tree 44	8003	8.121E-01	3.383E-01	8.511E-03	4.964E-03	5.622E-03	NDA
Tree 5	7711	5.090E-01	8.410E-01	5.830E-01	9.820E-01	5.650E-01	NST
Tree 6	7711	8.880E-01	7.650E-01	8.720E-01	1.020E+00	4.480E-01	NST
Tree 7	7805	2.460E-01	5.640E-01	1.280E+00	4.910E-01	NST	NST
Tree 7	8312	2.748E-01	1.396E-01	4.234E-01	2.703E-02	2.027E-03	2.703E-04
Tree 52	8212	5.405E-01	5.856E-01	8.018E-01	3.784E-01	7.207E-04	1.802E-03
Tree 184	8502	6.432E-01	4.258E-01	4.107E-01	3.300E-01	2.506E+00	NDA
Tree 188	8502	9.752E-01	1.088E+00	1.839E+00	1.350E+00	3.695E-02	2.618E-02
Tree r3no	8012	5.360E-01	6.839E-01	8.816E-01	3.197E+00	1.852E-02	NDA
Ts0251	7506	8.700E-03	9.663E-01	1.072E+00	1.968E+00	1.811E+00	NST

Table D-36. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section E3							
Tree 1	7805	5.570E-01	6.800E-01	6.640E-01	2.510E-01	1.010E+00	NST
Tree 1	7711	5.730E-01	7.773E-01	1.290E+00	1.200E+00	1.310E+00	NST
Tree 11	8312	3.604E-01	2.252E-01	1.662E+00	3.423E-02	5.405E-03	6.757E-02
Tree 2	7711	3.140E-01	2.970E-01	2.240E-01	7.500E-01	4.670E-01	NST
Tree 3	7805	5.400E-01	6.190E-01	9.460E-01	6.210E-01	2.880E-01	NST
Tree 35	7904	1.212E+00	2.991E+00	9.595E-01	3.153E-02	NDA	NDA
Tree 36	8012	1.234E+00	1.752E+00	2.745E+00	3.598E+00	3.090E-02	NDA
Tree 4	8012	5.334E-01	6.362E-01	1.454E-01	1.506E+00	8.934E-01	NDA
Tree 72	8312	2.887E+00	3.423E+00	3.892E+00	1.802E-01	4.955E-02	1.937E-02
Tree 105	8502	7.901E-02	7.063E-02	1.157E-01	1.991E-02	1.821E-04	3.011E-04
Ts0241	7506	4.038E+00	5.452E-01	6.464E-01	6.141E-01	9.494E-01	NST
801	7506	6.728E-01	4.586E-01	1.848E+00	3.654E-01	NDA	NST
Section E4							
Tree 12	7805	5.130E-02	6.050E-02	1.450E-01	3.360E-01	3.200E-01	NST
Tree 16	8302	1.261E-01	6.486E-01	6.757E-01	5.495E-01	5.405E-02	1.486E-02
Tree 32	7904	2.387E-01	2.523E-01	2.387E-01	1.216E-02	NDA	NDA
Tree 34	7904	6.081E-01	3.784E-01	3.604E-01	6.216E-01	1.698E+00	NDA
Tree 51	8212	7.613E-01	6.532E-01	7.432E-01	5.135E-01	1.847E-01	1.577E-01
Tree 172	8502	2.150E-01	2.251E-01	7.590E-02	1.474E-03	7.009E-04	2.238E-04
Ts0271	7506	7.697E-01	8.122E-01	8.870E-01	NDA	1.351E-02	NST
802	7506	5.487E-02	4.030E-02	3.713E-02	1.285E-01	2.586E-01	NST
Section E5							
Tree 13	8312	1.847E-01	2.613E-01	4.550E-01	1.170E-01	2.207E-01	1.077E+00
Tree 17	7805	6.070E-01	5.160E-01	1.670E-01	8.020E-02	2.260E-02	NST
Tree 17	8008	8.565E-01	3.249E-01	4.665E-02	1.413E-02	4.635E-03	NDA
Tree 18	7811	4.586E-01	4.209E-01	4.113E-01	5.815E-01	1.824E-01	1.980E-01
Tree 23	7904	7.613E-01	6.982E-01	4.009E-01	7.658E-02	4.054E-03	NDA
Tree 31	7904	1.721E+00	1.739E+00	5.495E-01	2.703E-02	2.252E-03	NDA
Tree 41	8003	3.256E-01	5.462E-01	1.117E+00	6.937E-02	2.872E-03	NDA
Tree 42	8012	4.797E-02	6.355E-01	7.042E-01	7.878E-01	2.669E-03	NDA
Tree 80	8312	4.279E+00	6.360E+00	4.775E-01	7.207E-02	2.703E-02	4.505E-03
Tree 114	8502	1.550E-01	1.086E-01	3.643E-01	3.313E-01	6.009E-01	8.802E-01
803	7506	2.410E+00	2.397E+00	2.712E+00	3.213E+00	4.038E+00	2.387E+00
Section E6							
Tree 14	7908	6.486E-01	8.604E-01	8.604E-01	3.694E-01	2.523E-02	NST
Tree 15	8302	7.207E-01	1.297E+00	1.536E+00	1.167E+00	9.865E-01	1.356E+00
Tree 19	7904	1.099E+00	9.279E-01	8.694E-01	9.595E-01	6.252E+00	NDA
Tree 20	7904	3.131E+00	3.081E+00	2.532E+00	2.559E+00	2.432E+00	NDA
Tree 21	7904	2.311E+00	2.662E+00	2.712E+00	2.680E+00	2.099E+00	NDA
Tree 22	8012	1.450E+00	3.085E+00	5.541E-01	2.166E-02	1.527E-02	NDA
Tree 74	8312	2.320E+00	1.946E+00	5.315E+00	7.374E+00	9.144E+00	8.018E+00

Table D-36. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 76	8312	2.725E+00	1.225E+00	3.784E-01	7.685E-02	1.396E-02	2.252E-03
Tree 78	8312	2.168E+00	3.464E+00	1.509E+00	1.847E-01	2.838E-02	1.892E-02
Ts0301	7506	2.788E+00	2.320E+00	2.253E+00	2.134E+00	4.283E+00	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-2.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

Table D-37. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Aerokojlol Island (B-13) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 97	7811	9.784E-01	9.838E-01	9.901E-01	3.354E-02	1.099E-02	NST[b]
Site 98	7811	5.261E-01	1.266E+00	1.236E+00	2.833E-01	1.189E-01	NST
Site 183	7811	2.856E-01	2.028E-01	7.333E-02	9.631E-03	NST	NST
Site 184	7811	6.761E-01	4.910E-01	4.460E-01	6.536E-01	6.441E-01	2.846E-01
Site 185	7811	8.874E-01	1.115E+00	1.191E+00	1.214E+00	9.063E-01	NST
Site 186	7811	1.520E+00	1.321E+00	2.453E+00	7.252E-01	3.573E-01	NST
Site 187	7811	9.396E-01	6.793E-01	7.284E-01	3.640E-01	1.908E-01	2.865E-01
Site 188	7811	6.914E+00	5.360E-01	8.153E-01	5.856E-01	7.387E-01	6.441E-01
Site 189	7811	7.072E-01	6.486E-01	7.072E-01	4.459E-02	9.414E-02	1.171E+00
Site 190	7811	1.362E+00	1.012E+00	2.468E-01	5.901E-02	8.559E-03	1.802E-02
Site 191	7811	1.577E+00	1.486E+00	1.252E+00	1.126E+00	1.216E+00	NST
Site 197	7811	5.532E-01	5.117E-01	3.266E-01	3.720E-02	3.345E-03	5.923E-03
Site 198	7811	6.757E-01	8.108E-01	9.459E-01	9.459E-01	5.856E-01	9.009E-02

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-9.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

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Table D-38. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Lele Island (B-15) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 175	7811	2.723E+00	1.261E+00	7.207E-01	2.613E-01	5.405E-02	1.194E-01
Site 182	7811	4.689E-01	6.842E-01	5.149E-01	9.081E-01	6.054E-01	NST[b]
Site 195	7811	1.081E+00	8.964E-01	5.991E-01	1.239E-01	2.883E-02	3.604E-02
Site 199	7811	6.306E-01	5.405E-01	3.838E-01	3.604E-01	4.054E-01	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-10.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-39. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Eneman Island (B-16) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 176	7811	2.297E-01	3.212E-01	2.662E-01	2.523E-01	2.491E-01	3.468E-01
Site 177	7811	4.491E+00	6.441E+00	4.820E+00	6.486E+00	5.856E+00	5.135E+00
Site 178	7811	3.264E+00	2.047E+00	2.060E+00	1.995E+00	2.030E+00	1.840E+00
Site 180	7811	7.613E+00	6.761E+00	5.878E+00	4.802E+00	4.941E+00	3.879E+00
Site 181	7811	1.018E+00	6.703E-01	8.158E-01	9.775E-01	1.052E+00	1.532E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-11.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

5000518

Table D-40. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Enidrik Island (B-17) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 99	7811	1.434E+02	8.392E+00	2.442E+00	5.378E+00	1.778E-01	3.906E-02
Site 140	7811	1.616E+01	1.412E+01	1.935E+01	2.451E+00	1.981E+00	1.416E+00
Site 141	7811	3.146E+00	1.384E+00	3.650E-01	1.637E-01	1.281E-01	5.441E-02
Site 142	7811	9.914E-01	1.384E+00	1.329E+00	7.914E-01	5.014E-01	3.401E-01
Site 143	7811	3.068E+00	2.510E+00	1.941E+00	4.707E-01	NDA[b]	6.054E-01
Site 144	7811	1.875E+00	8.491E-01	5.261E-01	6.324E-02	4.671E-02	6.824E-02
Site 145	7811	1.126E+00	8.108E-01	7.207E-01	1.171E+00	9.009E-01	9.459E-01
Site 146	7811	1.266E+01	1.545E+01	9.640E+00	5.856E-01	1.802E+00	NDA
Site 147	7811	2.036E+01	2.329E+01	2.793E+00	9.910E-01	4.955E-01	1.369E-01
Site 148	7811	7.207E-01	9.009E-01	9.910E-01	1.171E+00	1.577E+00	1.126E+00
Site 149	7811	8.108E-01	8.559E-01	1.036E+00	1.036E+00	1.261E+00	1.171E+00
Site 150	7811	7.658E-01	5.856E-01	1.306E+00	1.802E+00	1.396E+00	1.486E+00
Site 151	7811	1.216E+00	1.306E+00	5.856E-01	2.703E-01	8.198E-02	1.396E-02
Site 152	7811	1.500E+01	9.775E+00	7.387E+00	1.982E+00	3.198E-02	1.892E-02
Site 153	7811	1.712E+01	3.153E+00	1.081E+00	1.036E+00	1.081E+00	7.207E-01
Site 154	7811	2.429E+01	8.360E+00	9.757E-01	3.317E-01	1.306E-01	1.410E-01
Site 155	7811	1.540E+00	1.855E+00	2.468E+00	2.786E+00	3.169E+00	NST[c]
Site 156	7811	1.204E+00	5.414E-01	2.131E+00	1.592E+00	1.887E+00	1.546E+00
Site 157	7811	1.834E+00	5.027E-01	1.605E-01	1.056E-01	NDA	3.970E-02
Site 158	7811	6.198E+00	1.341E+00	7.608E-01	1.904E-01	1.427E-01	1.632E-01
Site 159	7811	8.680E+00	1.270E+01	9.923E+00	5.293E+00	2.174E+00	NST
Site 160	7811	2.118E+00	2.003E+00	2.166E+00	6.257E+00	9.315E+00	2.140E-01
Site 161	7811	2.321E+00	6.955E-01	2.547E-01	1.275E-01	2.727E-02	1.877E-01
Site 162	7811	3.173E+01	8.950E+00	1.114E+00	1.365E+00	4.892E-01	8.527E-03
Site 163	7811	2.410E+00	1.476E+00	6.613E-01	7.532E-01	6.689E-01	4.784E-01
Site 165	7811	1.243E+00	9.757E-01	1.057E+00	5.423E-02	2.306E-02	NST
Site 166	7811	3.146E-01	7.036E-01	4.218E-01	2.168E-01	2.023E-01	NDA
Site 167	7811	1.256E+00	4.427E-01	2.853E-01	1.045E-01	4.191E-02	3.581E-02
Site 168	7811	6.770E-01	5.833E-01	5.851E-02	1.756E-01	2.346E-02	7.554E-03
Site 169	7811	1.337E+00	1.732E+00	6.248E-01	7.126E-02	2.473E-02	1.659E-02
Site 170	7811	5.293E+00	3.162E+00	3.257E+00	4.249E+00	8.775E+00	7.581E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-12.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[d] No sample taken.

Table D-41. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Lukoj Island (B-18) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 171	7811	4.297E+01	3.333E+00	3.288E+00	3.468E+00	1.216E+00	NST[b]
Site 172	7811	4.414E+00	3.829E+00	1.667E+00	2.207E-01	2.072E-02	8.108E-03
Site 173	7811	1.369E+01	1.974E+00	8.559E-01	3.018E-01	8.018E-02	2.896E-02

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-13.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-42. Plutonium-239+240 radionuclide concentration summary of individual soil profiles taken on Jelete Island (B-19) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 100	7811	1.910E+01	1.788E+01	4.775E+00	1.982E+00	1.261E+00	2.820E-01
Site 174	7811	6.171E+00	6.486E+00	1.577E+00	6.261E-01	1.847E-01	1.216E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-14.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

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Table D-43. Americium-241 radionuclide concentration summary of individual soil profiles taken on Nam Island (B-1) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 225	7811	6.435E+01	1.595E+02	4.339E+02	5.588E+02	3.410E+02	6.219E+02
Site 226	7811	1.181E+01	1.164E+01	2.045E+01	1.764E+01	1.706E+01	8.782E+00
Site 227	7811	1.494E+01	1.290E+01	6.230E+00	2.510E+00	1.058E+00	7.901E-01
Site 228	7811	4.064E+00	4.693E+00	4.020E+00	4.289E+00	2.399E+00	NST[b]
Site 229	7811	8.475E+00	8.071E+00	1.019E+01	5.341E+00	7.094E-01	6.152E-01
Site 230	7811	1.263E+01	1.499E+01	2.728E+01	2.482E+01	1.514E+01	4.865E+00
Site 231	7811	1.129E+01	7.101E+00	6.550E+00	7.730E+00	5.536E-01	1.468E+00
Site 232	7811	5.946E+00	1.006E+01	6.712E+00	2.961E+00	3.059E-01	1.079E-01
Site 233	7811	2.709E+00	9.039E-01	2.715E-01	5.104E-02	4.471E-03	1.923E-01
Site 234	7811	6.395E+01	4.909E+01	4.431E+01	1.029E+01	3.116E+00	1.430E+00
Site 235	7811	1.249E+01	1.384E+01	1.923E+01	1.431E+01	4.833E+00	1.858E+00
Site 237	7811	1.092E+01	8.919E+00	1.095E+01	1.718E+00	3.030E+00	NDA[c]
Site 238	7811	9.252E+00	1.196E+01	7.712E+00	3.098E+00	3.010E-01	2.295E-01
Site 239	7811	NDA	NDA	NDA	2.264E+00	NDA	NST
Site 240	7811	NDA	NDA	NDA	3.214E-01	4.132E-02	1.549E-02
Site 241	7811	3.079E+01	7.144E+00	5.550E+00	2.205E+00	1.063E+00	8.203E-01
Site 242	7811	2.941E+00	1.712E+00	3.442E+00	1.077E+01	1.010E+00	1.326E-02
Site 243	7811	2.145E+01	2.859E+01	9.266E+00	2.274E+00	6.343E-01	NST
Site 244	7811	1.127E+01	1.741E+01	4.025E+00	3.560E+00	5.739E+00	3.775E+00
Site 245	7811	4.126E+01	4.509E+01	3.209E+01	3.784E+01	3.436E+01	3.835E+00
Site 247	7811	NDA	NDA	NDA	NDA	NDA	8.009E-01
Site 248	7811	NDA	NDA	NDA	NDA	1.424E+01	NDA
Site 249	7811	1.273E+01	9.505E+00	1.520E+01	9.212E-01	2.522E-01	NDA
Site 250	7811	NDA	NDA	2.256E+01	NDA	9.095E-01	4.280E-01
Site 252	7811	2.666E+01	2.495E+01	8.950E+00	2.570E+00	6.014E-01	5.464E-01
Site 253	7811	NDA	NDA	NDA	NDA	3.120E+01	NDA
Site 254	7811	NDA	2.046E+01	1.350E+01	2.073E+01	NDA	NDA
Site 255	7811	2.965E+01	1.071E+01	1.550E+01	1.799E+01	1.300E+01	5.562E+00
Site 256	7811	NDA	NDA	NDA	NDA	NDA	7.446E+00
Site 258	7811	7.043E+00	NDA	NDA	1.100E+00	6.014E-02	1.718E-02
Site 259	7811	NDA	NDA	1.452E+00	6.374E-02	9.095E-02	3.716E-02

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-3.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

[c] Sample was taken but no data is available.

Table D-44. Americium-241 radionuclide concentration summary of individual soil profiles taken on Iroij Island (B-2) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 257	7811	1.367E+00	NDA[b]	NDA	NDA	NDA	1.294E+00
Site 260	7811	1.099E+01	4.811E+00	9.748E-01	3.939E-01	1.350E-01	9.225E-02
Site 261	7811	1.645E+00	1.089E+00	NDA	NDA	NDA	5.840E-01
Site 262	7811	6.752E+00	2.830E+00	6.248E-01	4.694E-01	3.838E-01	4.393E-02
Site 263	7811	1.860E+00	NDA	NDA	NDA	NDA	NST[c]
Site 264	7811	1.340E+01	NDA	NDA	NDA	2.390E+00	NDA
Site 265	7811	1.887E+00	1.926E+00	1.385E+00	3.101E+00	1.828E+00	5.586E-01
Site 266	7811	NDA	NDA	1.562E-01	2.223E-01	NDA	NDA
Site 267	7811	1.595E+00	NDA	NDA	NDA	NDA	2.576E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-4.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

Table D-45. Americium-241 radionuclide concentration summary of individual soil profiles taken on Odrik Island (B-3) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 269	7811	6.072E+00	5.919E+00	3.286E+00	5.428E+00	1.286E+00	1.748E-01
Site 271	7811	3.066E+00	2.426E+00	5.824E-01	1.608E-01	9.662E-02	3.947E-02
Site 272	7811	2.640E+00	3.836E+00	4.132E+00	3.089E+00	4.456E+00	NST[b]
Site 273	7811	2.812E+00	3.233E+00	2.131E+00	2.560E+00	8.176E-01	1.066E+00

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-5.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

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Table D-46. Americium-241 radionuclide concentration summary of individual soil profiles taken on Lomilik Island (B-4) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 202	7811	2.523E+00	2.811E+00	2.436E+00	3.805E+00	3.890E+00	3.624E+00
Site 203	7811	1.973E+00	1.520E+00	1.888E+00	2.011E+00	2.912E+00	2.595E+00
Site 204	7811	2.595E+00	2.536E+00	2.559E+00	2.757E+00	3.527E+00	2.873E+00
Site 205	7811	2.102E+00	2.019E+00	2.155E+00	2.089E+00	2.052E+00	1.875E+00
Site 206	7811	2.858E+00	1.340E+00	1.140E+00	9.132E-01	1.526E-01	1.351E-02
Site 207	7811	2.007E+00	1.764E+00	2.283E+00	2.400E+00	1.755E+00	1.677E+00
Site 208	7811	2.340E+00	2.825E+00	4.658E+00	2.533E+00	2.622E+00	2.987E+00
Site 209	7811	3.537E+00	5.567E+00	3.601E+00	8.662E+00	NST[b]	NST
Site 210	7811	1.250E+00	1.516E+00	1.720E+00	1.955E+00	2.095E+00	5.320E+00
Site 211	7811	7.883E+00	7.387E+00	7.365E+00	4.063E+00	1.240E+00	2.218E-01
Site 212	7811	5.649E+00	3.001E+00	7.195E-01	2.096E-01	1.730E-01	9.338E-02
Site 213	7811	1.256E+01	6.383E+00	5.392E-01	9.225E-02	9.775E-02	1.795E-01
Site 214	7811	3.048E+00	8.956E-01	6.825E-01	6.285E-01	2.459E-01	1.088E-01
Site 215	7811	3.355E+00	2.452E+00	1.470E+00	1.274E+00	2.964E+00	5.721E-01
Site 216	7811	9.613E+00	5.676E+00	4.460E-01	1.278E-01	4.509E-02	6.387E-02
Site 217	7811	6.210E+00	2.128E+00	1.396E+00	1.629E+00	1.538E+00	7.518E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-6.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-47. Americium-241 radionuclide concentration summary of individual soil profiles taken on Aomen Island (B-5) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 200	7811	3.492E+00	2.287E+00	3.843E+00	2.377E+00	1.700E+00	NST[b]
Site 201	7811	2.751E-01	3.356E-01	7.302E-01	9.257E-01	2.223E+00	3.578E+00
Site 218	7811	2.081E+00	1.821E+00	2.289E+00	3.358E+00	7.883E-01	NST
Site 219	7811	2.850E+00	2.180E+00	2.326E+00	2.354E+00	2.941E+00	NST
Site 220	7811	6.698E+00	2.103E+00	5.014E-01	5.919E-02	2.912E-02	4.073E-02
Site 221	7811	9.631E-01	1.959E+00	1.902E+00	9.432E-01	9.009E-01	4.395E-01
Site 222	7811	3.674E-01	6.577E-02	2.442e-02	4.509E-02	1.795E+00	6.586E-01
Site 223	7811	3.064E+00	1.037E+00	4.775E-01	2.546E-01	3.924E+00	NST
Site 224	7811	5.571E+00	3.837E+00	2.491E+00	1.161E+00	1.773E+00	9.695E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-7.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

5000523

Table D-48. Americium-241 radionuclide concentration summary of individual soil profiles taken on Bikini Island (B-6) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section B1							
Tree b-20	8002	1.315E+01	1.473E+01	1.519E+01	1.243E+01	3.045E+00	3.590E-01
508	7506	8.730E+00	1.046E+01	1.148E+01	1.795E+01	6.604E+00	<8.48E-02
Section B2							
Hfh-3	7506	4.229E-01	2.601E-01	3.490E-01	4.577E+00	4.264E-02	<6.30E-02
Hfh-4	7506	2.331E+00	1.079E+00	1.974E-01	1.860E-01	<3.23E-02	NST[b]
Hse 39	7708	4.190E+01	1.014E+01	2.020E+00	2.880E-01	NST	NST
Tree b-16	7908	2.271E+00	2.224E-01	3.023E-02	6.689E-03	5.509E-03	<6.03E-02
Tree b-21	8002	3.466E+00	3.712E+00	9.766E-01	3.055E-01	1.389E-01	<5.48E-02
Tree b-3	7711	8.410E+00	1.278E+01	9.400E+00	1.813E+01	4.800E+00	NST
Tree b-3	7805	4.260E+00	4.960E+00	1.624E+01	1.209E+01	1.850E-01	NST
Tree b-3	8312	9.505E+00	6.081E+01	<9.91E-03	2.541E-01	4.685E-02	<9.91E-03
Tree b-4	7711	1.047E+01	1.005E+01	1.172E+01	1.759E+01	8.070E+00	NST
Tree b-4	8312	6.396E+00	5.419E+00	7.883E+00	1.883E+01	3.270E+00	2.252E-03
Tree b-44	8212	2.933E+00	<1.18E-01	8.153E+00	1.750E+00	<9.07E-02	<6.61E-02
Tree b-45	8212	4.319E+00	5.162E+00	3.511E+00	1.204E+00	3.514E-02	3.423E-02
Tree b-46	8212	8.414E+00	4.486E+00	2.539E+00	1.448E-01	<1.14E-01	<6.12E-02
Tree b-47	8212	1.055E+01	9.829E+00	4.901E+00	6.036E-01	2.703E-02	4.505E-03
Tree b152	8411	2.789E+00	6.897E+00	7.161E+00	4.720E-01	<4.90E-02	<1.18E-01
Ts0081	7506	2.355E+00	8.775E+00	1.334E+01	6.072E-01	8.779E-02	NST
Ts0201	7506	3.645E+00	4.022E+00	1.126E+00	<6.57E-02	<5.40E-02	<3.55E-02
507	7506	1.151E+01	4.554E+00	1.836E-01	<5.24E-02	NST	NST
Section B3							
Grid a	7908	1.407E+00	2.068E+00	7.171E-01	<7.53E-02	<1.16E-01	<6.69E-02
Grid b	7908	7.635E+00	2.133E+00	<1.89E-01	<1.18E-01	<5.76E-02	<9.39E-02
Grid c	7908	9.991E+00	8.824E+00	9.734E-01	9.626E-01	7.126E-01	7.100E-01
Grid d	7908	6.081E+00	2.387E+00	7.991E-01	4.191E-01	<4.69E-02	<2.22E-02
Grid e	7908	1.654E+00	1.211E+00	1.004E+00	<1.18E-01	<5.74E-02	<3.98E-02
Grid f	7908	1.669E+01	1.793E+01	9.414E+00	<1.26E-01	<5.97E-02	<9.42E-02
Grid g	7908	8.248E+00	6.856E+00	7.793E+00	3.135E+00	<1.34E-01	<9.32E-02
Grid h	7908	2.971E+00	<1.75E-01	<9.58E-02	<5.88E-02	<4.30E-02	<2.28E-02
Grid i	7908	9.293E+00	4.144E-01	<9.95E-02	<1.37E-01	<6.32E-02	<4.51E-02
Grid j	7908	1.001E+01	1.371E+01	8.284E-01	2.905E-01	<5.76E-02	<9.06E-02
Grid k	7908	2.254E+01	9.491E+00	3.844E-01	1.380E-01	<7.64E-02	<8.99E-02
Grid l	7908	1.004E+01	7.779E+00	5.577E+00	<6.10E-02	<4.19E-02	<2.12E-02
Grid m	7908	6.405E-01	<9.77E-02	<6.05E-02	<9.56E-02	<5.47E-02	<4.08E-02
Grid n	7908	7.239E+00	5.995E+00	7.838E-01	<9.43E-02	<5.54E-02	<8.98E-02
Grid o	7908	1.061E+01	8.581E+00	4.405E+00	3.049E+00	<8.02E-02	<2.87E-01
Grid p	7908	7.414E-01	8.041E-01	<5.95E-02	<5.28E-02	<4.39E-02	<2.13E-02
Grid q	7908	3.441E+00	1.572E+00	5.356E-01	<1.09E-01	<5.87E-02	<4.04E-02
Grid r	7908	3.028E+00	1.215E+00	<9.63E-02	<9.57E-02	<6.05E-02	<9.60E-02
Grid s	7908	5.401E+00	6.099E-01	<3.25E-02	<8.18E-02	<6.50E-02	<9.03E-02

Table D-48. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Grid t	7908	4.411E+00	3.632E+00	1.100E+00	<1.05E-01	<4.91E-02	<7.83E-02
Grid u	7908	9.554E+00	9.450E+00	1.699E+00	1.980E-01	<5.48E-02	<9.25E-02
Grid v	7908	1.116E+01	1.548E+01	1.258E+01	7.126E-01	<4.69E-02	<2.33E-02
Grid w	7908	1.463E+01	4.187E+00	5.698E-01	<1.12E-01	<5.72E-02	<4.01E-02
Grid x	7908	1.258E+01	1.332E+01	2.973E+00	<1.45E-01	<7.63E-02	<1.12E-01
Grid y	7908	2.840E+00	1.205E+00	4.712E-01	<2.76E-02	<7.93E-02	<8.19E-02
100m.plot	8203	2.326E+00	<6.46E-02	<6.92E-02	NST	NST	NST
100m.plot	8203	2.524E+01	7.901E+00	<2.16E-01	NST	NST	NST
100m.plot	8203	8.631E+00	2.009E+00	5.720E-01	NST	NST	NST
Hfh-2	7506	4.267E-01	5.622E-01	4.100E-01	2.738E-01	4.547E-01	NST
Hfh-5	7506	5.707E+00	2.841E+01	9.477E+00	<3.27E-02	<3.77E-02	NST
Hse 35	7711	2.920E+00	3.250E+00	3.740E+00	9.770E-01	NST	NST
Hse 35 1	7811	5.198E+00	4.667E+00	1.683E+00	1.041E+00	1.886E+00	<5.17E-02
Hse 35	8312	6.203E+00	5.180E+00	6.694E+00	1.245E+01	1.554E+01	7.113E-01
Pd tree 1	7805	6.120E+01	1.420E+01	1.210E+00	NDA[c]	<6.20E-02	NST
Pd tree 2	7805	2.350E+00	1.318E+01	2.764E+01	3.450E+00	6.460E-01	NST
Tree b-11	7908	1.958E+01	2.291E+01	1.759E+01	5.590E+00	1.459E-01	<9.64E-02
Tree b-11	8302	1.375E+01	1.123E+01	1.329E+01	4.716E-01	<9.85E-02	<2.93E-02
Tree b-12	7908	3.788E+00	5.586E+00	5.550E+00	6.428E+00	1.014E+01	<1.20E-01
Tree b-12	8302	3.375E+00	4.991E+00	5.122E+00	8.802E+00	6.414E+00	9.288E+00
Tree b-13	7908	1.578E+00	1.494E+00	1.749E+00	1.756E+00	1.064E+00	5.464E-01
Tree b-13	8302	1.763E+00	1.353E+00	1.309E+00	6.815E-01	.937E-01	5.000E-01
Tree b-13	8305	9.198E-01	1.296E+00	2.120E+00	6.162E-01	<1.22E-01	<6.61E-02
Tree b-2	7908	6.820E-01	1.186E+00	1.341E+00	4.124E-01	1.043E+00	5.536E-01
Tree b-2	7908	5.626E-01	7.351E-01	3.454E-01	5.946E-02	3.344E-01	5.734E-01
Tree b-2	7711	8.991E-01	1.160E+00	1.510E+00	8.810E-01	5.760E-01	NST
Tree b-22	8002	2.860E-01	3.741E-01	8.189E-01	1.593E-02	7.180E-03	<1.07E-01
Tree b-22	8302	3.230E+00	2.813E+00	7.950E-01	<9.91E-03	<9.91E-03	<9.91E-03
Tree b-9	7805	2.530E+00	2.520E+00	2.390E+00	1.590E+00	4.290E-02	NST
Tree b-9	8302	1.099E+00	1.417E+00	<1.17E-01	4.109E-01	<2.81E-02	<6.62E-02
Tree b-9	8305	8.432E-01	3.917E-01	1.868E+00	1.304E+00	<1.45E-01	<4.60E-02
Ts0091	7506	3.207E+00	6.054E+00	9.464E+00	9.955E-01	2.877E-01	<3.10E-02
Ts0101	7506	1.374E+00	7.991E-01	2.747E-01	<6.14E-02	<4.08E-02	NST
Ts0111	7506	2.677E+00	4.039E+00	6.631E+00	2.554E+00	<3.16E-02	NST
Ts0121	7506	6.131E+00	9.671E+00	1.874E+01	2.601E-01	5.885E-01	<2.94E-02
Ts0131	7506	2.383E+01	3.433E+00	4.577E-01	<5.23E-02	<3.12E-02	NST
506	7506	7.671E+00	7.293E+00	9.707E+00	4.883E+00	5.428E+00	2.704E+00
Section B4							
Hse 16	7811	4.687E+00	4.677E+00	3.325E+00	1.086E+00	2.417E-02	1.444E-02
Hse 16-17	7711	1.700E+00	2.350E+00	3.620E+00	5.100E+00	7.070E+00	NST
Hse 16-17	7711	1.630E+00	1.630E+00	4.050E+00	1.139E+01	9.260E+00	NST
Hse 16-17	7708	2.640E+00	7.980E+00	7.860E+00	8.210E+00	6.870E+00	NST
Hse 17	7805	5.290E+00	2.840E+00	7.790E-01	2.170E-01	2.800E-02	NST
Hse 17 b	7811	2.550E+01	1.363E+01	2.180E+00	7.246E-01	2.944E-01	5.743E-03
Hse 17	8312	9.356E-01	7.748E-01	4.057E-01	5.113E-01	5.297E-01	2.016E+00

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Table D-48. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Hse 22	7711	5.690E-01	5.070E-01	8.630E-01	1.170E+00	6.030E+00	NST
Hse 24	7811	8.181E-01	1.268E+00	9.324E-01	1.261E+00	6.216E-02	1.047E-02
Hse 24	7805	1.060E+01	1.186E+01	5.950E+00	1.969E+01	2.430E+00	NST
Hse 24	7805	8.150E+00	1.730E+01	1.891E+01	2.520E+01	2.293E+01	NST
Hse 24	7811	2.681E+00	3.365E+00	4.556E+00	6.743E+00	1.284E+01	1.635E+01
Hse 24	7805	2.890E+00	7.240E+00*	8.090E+00	1.040E+01	8.130E+00	NST
Hse 24	7805	8.160E+00	1.500E+01	1.280E+01	3.370E+00	3.080E+00	NST
Hse 24	8402	2.747E+01	3.210E+01	6.250E+01	2.305E+01	2.512E+01	8.040E-01
Hse 24-25	8402	1.377E+01	2.464E+01	3.094E+01	1.682E+01	7.080E-01	<1.04E-01
Hse 25 n	7805	9.190E-01	8.050E-01	9.040E-01	5.220E-01	2.850E+00	NST
Hse 25	8402	1.471E+00	1.423E+00	5.275E+00	4.700E-01	<1.19E-01	<5.00E-02
Hse 25-26	7805	1.134E+01	1.064E+01	2.470E+00	3.860E-01	1.450E-01	NST
Hse 26	7805	9.700E+00	1.200E+01	5.820E+00	1.720E+00	1.190E-01	NST
Hse 27	7811	<9.00E-01	<4.87E-02	<7.48E-02	6.126E-02	5.568E-01	5.404E-01
Hse 27	7811	1.497E+01	1.463E+01	1.809E+01	7.140E+00	2.970E+00	<4.00E-02
Hse 28	7811	5.261E-01	8.523E-01	9.005E-01	1.102E+00	1.470E+00	3.410E-01
Hse 30	7811	4.565E-01	6.532E-01	8.519E-01	3.119E-01	2.359E-01	8.000E-04
Tree b-1	7711	1.043E+01	1.107E+01	1.079E+01	1.075E+01	2.500E+00	NST
Tree b-1	8305	9.757E+00	1.600E+01	1.091E+01	1.089E+01	7.752E-01	<4.07E-02
Tree b-1	8312	6.982E+00	1.140E+01	1.178E+01	4.495E+00	1.712E+00	4.595E-01
Tree b-14	7908	8.050E-01	4.087E-01	1.143E-01	5.153E-01	4.712E-01	<8.51E-02
Tree b-14	8302	5.378E-01	3.091E-01	4.730E-01	7.095E-01	<6.30E-02	<9.41E-02
Tree b-23	8002	2.185E+00	1.146E+01	4.563E+01	1.097E-01	1.464E-01	<1.05E-01
Tree b-30	7908	5.953E+00	1.848E+00	3.154E+00	2.748E-01	2.638E-02	<5.96E-02
Tree b-31	7908	1.407E+00	7.582E-01	1.016E+00	1.905E-01	9.500E-03	<6.45E-02
Tree b-31	8302	2.060E+00	1.570E+00	8.721E-01	9.131E-01	1.892E-02	<2.41E-02
Tree b-34	7811	4.982E-01	1.362E+00	1.785E+00	8.189E-01	5.995E-02	5.383E-02
Tree b-40	8212	4.991E+00	3.545E+00	8.910E+00	5.743E+00	4.454E+00	3.472E+00
Tree b-41	8212	1.847E-01	5.455E-01	5.261E-01	1.126E-01	4.955E-02	1.351E-01
Tree b-7	7711	2.580E+00	1.071E+01	3.860E+00	2.180E+00	5.070E-01	NST
Tree b-7	8312	8.288E+00	1.806E+01	6.486E+00	1.122E-01	<9.91E-03	<9.91E-03
Tree b-80	8312	1.757E+00	7.545E+00	6.604E+00	8.005E-01	2.793E-02	1.261E-02
Tree b150	8411	1.880E+00	2.530E+00	2.208E+00	<6.40E-02	<9.40E-02	<1.08E-01
Ts0012	7506	5.464E+00	8.811E+00	1.060E+01	2.772E+00	2.131E+00	NST
Ts0031	7506	7.045E-01	1.945E+00	5.297E-01	<2.91E-02	<2.56E-02	NST
Ts0041	7506	6.126E-01	2.936E+00	2.983E+00	<1.11E-01	<6.51E-02	NST
Ts0051	7506	6.892E+00	8.329E+00	8.905E+00	9.054E+00	8.560E+00	NST
Ts0061	7506	9.284E-01	7.197E-01	2.527E-01	6.014E+00	1.565E+01	1.159E+01
Ts0062	7506	3.146E+00	1.979E+00	5.081E-01	4.054E+00	4.779E+00	NST
Ts0071	7506	3.610E+00	4.716E+00	4.079E+00	7.779E+00	NDA	NST
Ts0161	7506	1.236E+00	1.655E+00	2.209E+00	1.641E+00	9.608E-01	6.390E-01
Ts0181	7506	6.010E+00	2.605E+00	7.218E+00	9.761E-01	1.614E-01	1.739E-01
505	7506	6.590E+00	4.559E+00	7.532E+00	<4.13E-02	<3.44E-02	<6.04E-02

Table D-48. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section B5							
Hse 14 f	7805	1.870E+00	2.300E+00	1.780E+00	1.930E+00	1.910E+00	NST
Hse 7 n	7811	2.333E+00	2.230E+00	2.982E+00	3.215E+00	1.702E+00	3.223E-01
Hse 7	8302	1.402E+01	1.290E+01	1.260E+01	7.248E-01	2.613E-02	1.712E-02
Tree b-10	7811	3.226E+00	3.923E+00	6.895E+00	1.289E+00	4.926E-01	1.206E-01
Tree b-10	8305	6.919E+00	1.679E+00 *	1.216E+00	<7.38E-02	7.860E-01	<1.35E-01
Tree b-24	8008	5.626E+00	2.450E+00 *	9.842E-01	6.455E+00	9.680E-01	<5.45E-02
Tree b-26	8012	6.806E+00	1.255E+00	3.455E-01	2.197E-01	6.131E-02	<7.00E-02
Tree b-32	7908	2.442E+00	5.171E+00	8.374E+00	1.655E-01	1.326E-01	<4.82E-02
Tree b-33	7908	1.883E+01	2.175E+01	7.207E+00	2.186E+00	1.486E-01	<7.91E-02
Tree b-6	7711	9.600E+00	6.220E+00	<2.80E-01	<1.21E-01	3.030E-01	NST
Tree b-6	7811	9.635E+00	8.486E+00	4.860E+00	1.228E+00	2.070E-01	1.959E-02
Tree b-6	8312	5.766E+00	1.878E+00	4.194E+00	3.784E-01	3.604E-01	<9.91E-03
Tree b151	8411	7.520E+00	9.110E+00	8.721E+00	2.700E-01	1.490E-01	<1.09E-01
Ts0001	7506	4.173E+00	3.548E+00	5.239E+00	5.337E+00	7.928E+00	NST
Ts0002	7506	2.979E+00	2.749E+00	3.202E+00	8.122E+00	4.284E-01	NST
Ts0003	7506	1.818E+00	1.814E+00	6.946E+00	9.432E+00	2.945E+00	NST
Ts0171	7506	6.667E+00	5.423E+00	3.982E-01	4.563E-01	1.592E-01	NST
503	7506	3.495E+00	1.164E+00	<8.077E-02	NST	NST	NST
504	7506	1.446E+01	1.435E+01	6.360E-01	<5.721E-02	<4.291E-02	<5.55E-02
Section B6							
Tree b-15	7908	2.369E+00	3.379E+00	5.153E+00	4.626E-01	1.492E-01	<4.24E-02
Tree b-15	8302	9.910E-02	2.818E+00	1.748E+00	9.063E-01	2.399E-01	6.757E-02
Tree b-25	8002	1.170E+01	1.253E+01	3.987E+00	8.716E-01	4.563E-02	<2.89E-02
Tree b-42	8212	3.243E+00	2.160E+00	5.685E+00	6.748E+00	1.050E+01	3.609E-01
Tree b-43	8212	2.116E+00	3.360E+00	3.335E+00	8.410E-01	5.757E+00	7.207E-02
Tree b-8	7711	3.840E+00	3.940E+00	2.650E+00	5.170E-01	<4.27E-02	NST
Tree b-8	8312	2.389E+00	2.018E+00	<1.38E-01	2.120E-01	2.209E-01	<3.75E-02
Tree b-51	8405	5.490E-01	5.600E-01	7.100E-01	7.300E-01	1.684E+00	<3.10E-02
Tree b-52	8405	4.960E-01	<1.99E-01	1.400E-01	<1.58E-01	<5.80E-02	<7.00E-02
Tree b-8	7805	9.750E-01	1.170E+00	5.530E-01	1.940E-01	1.170E-01	NST
Ts0231	7506	1.957E+00	<8.46E-02	<1.17E-01	<5.92E-02	<5.37E-02	NST
501	7506	1.373E+01	2.053E+01	1.253E+01	<1.54E-01	<9.03E-02	NST
502	7506	1.780E+01	2.040E+01	1.950E+00	<4.26E-02	NST	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-1.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

[c] Sample was taken but no data is available.

Table D-49. Americium-241 radionuclide concentration summary of individual soil profiles taken on Rojkere Island (B-10) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 192	7811	5.452E-01	6.514E-01	1.355E+00	1.927E+00	1.590E+00	2.492E+00
Site 193	7811	6.932E+00	3.742E+00	1.975E+00	1.995E-01	5.775E-02	1.723E-02
Site 194	7811	2.266E-01	2.427E-01	3.785E-01	5.486E-01	3.767E-01	4.775E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-8.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

5000528

Table D-50. Americium-241 radionuclide concentration summary of individual soil profiles taken on Eneu Island (B-12) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Section E1							
Tree 37	7908	6.550E-01	2.984E-01	5.432E-01	2.832E-01	1.205E+00	<8.51E-02
Tree 37	8411	6.140E-01	<8.30E-02	6.433E-01	3.370E-01	8.400E-01	<5.10E-02
Tree 38	7908	8.811E-01	8.315E-01	5.297E-01	4.761E-01	2.815E-02	<3.97E-02
Tree 54	8212	<1.08E-01	1.086E+00	3.804E+00	1.535E+00	<6.69E-02	<9.88E-02
Tree 55	8212	7.171E-01	6.495E-01	2.264E-01	5.946E-02	4.550E-02	7.207E-02
Tree 70	8312	5.144E-01	8.811E-01	1.752E-01	2.631E-01	2.977E-01	2.023E-01
Tree 8	7805	4.070E-01	4.300E-01	5.840E-01	5.180E-01	8.640E-02	NST[b]
Tree 8	8312	4.779E-01	6.505E-01	5.405E-02	1.892E-02	1.982E-02	4.905E-01
Tree 9	7711	<6.77E-02	<1.64E-01	1.480E+00	9.500E-01	<8.54E-02	NST
Tree 9	8302	2.032E-01	5.599E-01	9.018E-01	3.171E-01	7.207E-03	9.009E-03
Tree 9	8312	9.667E-01	1.147E+00	<8.14E-02	<1.43E-01	<7.49E-02	<6.41E-02
Tree 191	8502	2.730E+00	2.499E+00	3.702E+00	3.751E+00	2.162E-01	2.464E-02
Tree 192	8502	1.891E+00	2.662E+00	2.306E+00	9.198E-01	<4.64E-02	<4.37E-02
Tree 195	8505	9.833E-01	9.817E-01	4.749E-01	<9.00E-02	<9.10E-02	NDA[c]
Tree 196	8505	1.104E+00	8.283E-01	8.701E-01	7.271E-01	<7.50E-02	<1.08E-01
Tree 197	8505	6.588E-01	5.627E-01	3.164E-01	<2.60E-02	<2.24E-01	<5.00E-02
Tree 198	8505	3.981E-01	3.293E-01	3.847E-01	8.640E-01	5.590E+00	<1.15E-01
Tree 199	8505	<5.70E-02	<7.20E-02	2.851E-01	3.418E-01	<2.30E-02	2.564E-01
Tree 200	8505	7.639E-01	NDA	6.891E-01	6.392E-01	NDA	1.458E-01
Ts0261	7505	4.250E-01	4.833E-01	4.396E-01	3.377E-01	<1.35E-01	<2.67E-02
Section E2							
Banana 2g	8312	<9.91E-03	9.91E-03	<9.91E-03	<9.91E-03	<9.91E-03	<9.91E-03
Banana 6q	8312	<9.91E-03	<9.91E-03	<9.91E-03	<9.91E-03	1.126E-01	<9.91E-03
Banana 9n	8312	<9.91E-03	3.893E-01	5.856E-02	3.153E-02	<9.91E-03	3.153E-01
Breadf 1e	8312	<8.03E-02	<6.72E-02	<1.16E-01	<6.37E-02	<6.61E-02	1.159E-01
Breadf 4v	7808	4.760E-01	3.550E-01	3.690E-01	3.330E-01	3.050E-01	NST
Breadf 7v	7808	<6.20E-02	<8.10E-02	<7.60E-02	<3.30E-02	<7.00E-02	NST
Breadf 7v	8312	<9.82E-02	1.754E-01	8.014E-01	8.068E-01	<4.46E-02	<8.22E-02
Breadf 8s	8312	<9.91E-03	2.703E-02	<9.91E-03	<9.91E-03	1.802E-01	<9.91E-03
Breadf 9u	8312	1.855E-01	7.459E-02	<2.38E-02	<9.91E-03	<9.91E-03	<9.91E-03
Coco 4v	8312	5.685E-01	4.386E-01	1.131E-01	1.350E-01	<7.42E-02	6.329E-01
Coco 6t	8312	3.504E+00	4.730E+00	1.769E+00	<1.05E-01	4.036E+00	3.839E-01
Pand 4e	8312	<9.91E-03	<9.91E-03	1.396E-01	9.459E-01	<9.91E-03	<9.91E-03
Pand 6b	8312	6.757E-02	<9.91E-03	<9.91E-03	<9.91E-03	<9.91E-03	<9.91E-03
Pand 7h	8312	2.649E-01	1.847E-01	4.477E-01	<1.73E-02	<2.01E-01	<2.65E-01
Papaya 1d	8312	4.955E-02	<9.91E-03	9.910E-02	6.757E-02	<9.91E-03	<9.91E-03
Papaya 1h	8312	1.126E-01	5.856E-02	1.351E-01	5.541E-01	1.081E-01	<9.91E-03
Papaya 2a	8312	1.216E-01	<9.91E-03	<9.91E-03	2.838E-01	<9.91E-03	1.036E-01
Papaya 2f	8312	1.802E-01	1.171E-01	2.477E-01	1.847E-01	<9.91E-03	<9.91E-03
Papaya 4a	7805	1.070E-01	<8.70E-02	<7.50E-02	<1.51E-01	7.630E-01	NST
Papaya 4h	8312	<8.84E-02	<1.29E-01	2.019E-01	<9.46E-02	<8.60E-02	<1.35E-01
Papaya 4n	7811	2.090E-01	2.132E-01	8.018E-01	2.289E+00	1.318E-02	NST
Papaya 4n	7904	5.514E-01	4.937E-01	7.419E-01	1.622E+00	6.707E-01	5.577E-02

Table D-50. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Papaya 5q	7805	1.590E-01	1.280E-01	1.280E-01	1.690E-01	2.300E-01	NST
Papaya 5q	7811	1.557E-01	1.272E-01	1.438E-01	1.034E-01	2.609E-01	NST
Papaya 6a	8312	1.930E-01	8.941E-01	<7.67E-02	3.097E-01	<4.18E-02	6.221E-01
Papaya 6j	7811	1.529E-01	2.223E-01	1.330E-01	2.027E-01	3.014E-01	NST
Papaya 6j	7904	2.445E-01	2.673E-01	2.245E-01	<1.09E-01	1.295E-01	<4.48E-02
Papaya 6o	7904	6.968E-01	5.279E+01	5.081E-01	<1.01E-01	5.194E-01	<8.68E-02
Papaya 7r	8312	1.033E+00	3.224E-01	<7.37E-02	<6.65E-02	<8.01E-02	7.063E-01
Papaya 8c	8312	1.266E-01	1.392E-01	NDA	<1.19E-01	<2.61E-01	<2.89E-01
Papaya 8l	8312	<1.05E-01	<1.76E-01	<6.31E-02	2.329E-01	<1.10E-01	1.428E-01
Papaya 8n	7805	3.500E-01	4.440E-01	4.070E-01	3.160E-01	2.290E-01	NST
Papaya 8v	7805	1.020E-01	8.730E-02	1.110E-01	6.470E-02	3.600E-02	NST
Squash 1g	7711	3.900E-01	3.800E-01	3.700E-01	4.700E-01	8.000E-01	NST
Squash 2d	7711	3.100E-01	3.200E-01	2.400E-01	<3.77E-02	<8.27E-02	NST
Squash 3f	7711	<1.65E-01	4.900E-01	1.010E+00	7.920E-01	<5.62E-02	NST
Squash 3j	7711	<6.50E-02	<3.76E-02	<2.91E-02	<3.00E-02	<8.04E-02	NST
Squash 4c	7711	<3.44E-02	<9.80E-02	<9.63E-02	1.645E-01	<9.34E-02	NST
Squash 4m	7711	6.800E-01	3.300E-01	3.800E-01	3.700E-01	1.610E+00	NST
Squash 5k	7711	3.900E-01	2.260E-01	<5.55E-02	<2.75E-02	4.800E-01	NST
Squash 5p	7711	2.100E-01	<1.40E-01	2.200E-01	1.500E-01	<7.92E-02	NST
Squash 6m	7711	1.900E-01	4.100E-01	4.500E-01	6.000E-01	6.400E-01	NST
Squash 7a	7711	2.200E-01	1.700E-01	<1.23E-01	4.100E-01	<5.91E-02	NST
Squash 7n	7711	8.400E-01	5.800E-01	8.000E-01	5.000E-01	8.000E-01	NST
Squash 8d	7711	<8.30E-02	<7.44E-02	<1.46E-01	<7.30E-02	<3.51E-02	NST
Squash 9q	7711	1.600E-01	<3.31E-02	<2.82E-02	<3.16E-02	2.400E-01	NST
Swpot 6k	7904	<6.49E-02	<1.03E-01	2.680E-01	1.845E-01	<4.05E-02	<2.19E-02
Swpot 6n	7904	6.095E-01	5.014E-01	2.209E-01	2.018E-01	9.239E-01	<9.54E-02
Watmel 2c	7711	1.200E-01	1.450E-01	1.060E-01	1.120E-01	1.400E-01	NST
Watmel 2k	7711	2.800E-01	1.800E-01	6.200E-01	6.200E-01	<5.64E-02	NST
Watmel 4b	7711	2.150E-01	2.000E-01	4.400E-01	1.400E-01	5.600E-01	NST
Watmel 4f	7711	2.140E-01	1.117E-01	2.900E-01	3.890E-02	4.660E-02	NST
Watmel 4l	7711	5.400E-01	6.400E-01	2.600E-01	8.850E-01	4.930E-01	NST
Watmel 4q	7711	2.080E-01	3.000E-01	2.590E-01	1.000E-01	5.770E-02	NST
Watmel 5e	7711	2.380E-01	2.730E-01	6.180E-01	5.610E-01	7.270E-01	NST
Watmel 5j	7711	9.890E-02	1.840E-01	2.250E-01	3.380E-02	4.510E-02	NST
Watmel 5n	7711	5.000E-01	4.130E-01	4.900E-01	6.400E-01	2.220E+00	NST
Watmel 6c	7711	<6.94E-02	<5.59E-02	<6.16E-02	<1.15E-01	<1.22E-01	NST
Watmel 6p	7711	2.670E-01	3.090E-01	3.240E-01	4.880E-01	8.110E-01	NST
Watmel 7b	7711	7.180E-02	6.180E-02	7.070E-02	8.700E-02	5.990E-02	NST
Watmel 7g	7711	1.610E-01	5.320E-01	5.940E-01	1.730E+00	3.840E-01	NST
Watmel 7k	7711	<3.09E-02	<9.32E-02	<1.25E-01	<6.37E-02	3.741E-01	NST
Watmel 8e	7711	<6.74E-02	<1.37E-01	<6.90E-02	<4.24E-02	<7.38E-02	NST
Watmel 8r	7711	2.500E-01	1.900E-01	2.400E-01	2.630E-01	<5.52E-02	NST
Watmel 9i	7711	<1.80E-01	<1.59E-01	4.200E-01	2.900E-01	4.600E-01	NST
Tree 10	7908	5.477E-01	6.784E-01	4.626E-01	2.633E-01	3.038E-01	5.486E-01
Tree 10	7711	5.200E-01	5.900E-01	6.400E-01	5.500E-01	5.500E-01	NST
Tree 10	8302	5.329E-01	4.450E-01	4.050E-01	5.032E-01	6.820E-01	1.360E-01

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Table D-50. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 10	8305	6.275E-01	4.489E-01	<1.36E-01	5.140E-01	6.896E-01	2.975E-01
Tree 25	7908	1.129E+00	1.187E+00	2.346E+00	6.712E-01	4.099E-02	<6.49E-02
Tree 25	8305	2.137E+00	4.991E+00	2.464E+00	3.792E-01	<7.58E-02	3.052E-01
Tree 25ab	8012	3.734E+00	4.725E+00	1.689E+00	1.837E-01	<9.47E-02	<6.95E-02
Tree 25cd	8012	2.213E+00	2.081E+00	1.669E+00	3.019E-01	<6.05E-01	<7.32E-02
Tree 43	8002	2.159E-01	1.672E-01	1.542E-01	2.967E-01	1.202E-01	<1.83E-02
Tree 44	8002	6.212E-01	2.318E-01	<5.95E-02	2.610E-03	1.161E-01	<4.11E-02
Tree 5	7711	3.100E-01	4.600E-01	4.400E-01	2.600E-01	2.300E-01	NST
Tree 5	8312	5.329E-01	<8.58E-02	2.903E-01	<1.16E-01	1.881E-01	4.045E-01
Tree 52	8212	3.591E-01	2.777E-01	3.812E-01	2.320E-01	9.009E-02	4.054E-04
Tree 53	8212	5.189E-01	7.599E-01	3.476E-01	<5.20E-02	<7.11E-02	<1.10E-01
Tree 6	7711	2.700E-01	3.900E-01	5.600E-01	4.200E-01	2.700E-01	NST
Tree 6	8312	5.757E-01	<8.47E-02	5.901E-01	8.676E-01	<6.13E-02	<4.87E-02
Tree 7	7805	1.400E-01	3.020E-01	6.730E-01	2.560E-01	NST	NST
Tree 7	8312	1.488E-01	7.387E-02	2.860E-01	8.108E-02	2.252E-04	4.054E-04
Tree 181	8502	4.114E-01	4.527E-01	4.941E-01	<9.19E-02	<4.99E-02	<4.93E-02
Tree 184	8502	3.450E-01	3.268E-01	3.366E-01	2.380E-01	1.575E+00	1.845E+00
Tree 185	8502	1.260E+00	1.394E+00	1.491E+00	1.499E+00	<9.04E-02	<8.32E-02
Tree 186	8502	3.903E-01	4.409E-01	3.989E-01	4.586E-01	5.419E-01	6.955E-01
Tree 187	8502	3.940E-01	2.972E-01	2.717E-01	1.108E+00	<1.02E-01	<4.28E-02
Tree 188	8502	3.783E-01	7.514E-01	1.236E+00	5.059E-01	2.436E-02	2.114E-02
Tree 189	8502	7.194E-01	8.027E-01	7.743E-01	7.991E-01	6.590E-01	<9.19E-02
Tree 190	8502	<1.37E-01	<4.84E-02	<1.06E-01	<6.62E-02	<4.71E-02	<9.00E-02
Tree 193	8502	NDA	1.884E+00	1.453E+00	2.480E-01	NST	NST
Tree 194	8505	1.928E+00	2.522E+00	1.469E+00	7.056E-01	7.851E-01	NDA
Tr r3no	8012	3.145E-01	3.310E-01	4.272E-01	1.157E+00	1.112E-02	<1.40E-01
Tr r6st	8012	7.018E-01	2.693E-01	2.762E+00	1.971E+00	3.039E+00	2.537E+00
Ts0251	7506	4.207E-01	4.323E-01	8.505E-01	6.198E-01	1.192E+00	NST
Section E3							
Banana mg	7911	8.167E-01	8.194E-01	1.644E+00	3.866E-01	<1.10E-01	<6.11E-02
Tree jk-1	8012	6.811E-01	1.685E+00	3.502E+00	4.191E-01	<1.04E-01	<6.55E-02
Tree jk-2	8012	4.937E-01	2.259E-01	3.255E-01	2.570E+00	3.255E-01	<5.88E-02
Tree 1	7908	2.419E-01	3.125E-01	<1.29E-01	<5.82E-02	1.698E-01	2.481E-01
Tree 1	7711	3.894E-01	4.650E-01	6.760E-01	5.200E-01	8.510E-01	NST
Tree 1	7805	2.780E-01	3.430E-01	3.900E-01	1.290E-01	5.630E-01	NST
Tree 1	8305	5.707E-01	2.469E-01	2.395E-01	<7.25E-02	8.144E-01	<7.86E-02
Tree 11	7711	<1.74E-01	6.000E-01	1.250E+00	9.500E-01	<7.71E-02	NST
Tree 11	8312	2.864E-01	1.171E-01	8.829E-01	5.000E-02	4.959E-02	1.775E-01
Tree 2	7711	<1.83E-01	<8.99E-02	1.600E-01	3.910E-01	3.070E-01	NST
Tree 2	8302	1.459E-01	2.198E-01	2.401E-01	1.901E-01	2.302E-01	<9.91E-03
Tree 2	8305	<1.26E-01	2.370E-01	2.565E-01	2.514E-01	<7.10E-02	<6.92E-02
Tree 2a	8502	2.184E-01	1.414E-01	2.843E-01	6.356E-01	<7.34E-02	<1.14E-01
Tree 2ad	8012	<1.08E-01	1.438E-01	<1.76E-02	1.849E-01	1.833E-01	2.727E-01
Tree 2bc	8012	<1.13E-01	3.453E-01	3.725E-01	6.306E-01	5.196E-01	<5.72E-02
Tree 3	7805	3.000E-01	3.555E-01	5.190E-01	4.890E-01	1.700E-01	NST

Table D-50. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 3	8302	2.450E-01	1.059E-01	2.059E-01	2.378E-01	7.793E-02	2.482E-01
Tree 3	8502	<9.11E-02	1.461E-01	<8.83E-02	2.142E-01	<9.18E-02	5.622E-01
Tree 35	7904	1.168E+00	1.762E+00	4.595E-01	1.982E-02	4.054E-03	<7.88E-02
Tree 35	8302	4.865E-01	2.320E-01	3.063E-02	<9.91E-03	<9.91E-03	<9.91E-03
Tree 36	8012	9.258E-01	1.051E+00	1.527E+00	1.714E+00	1.764E-02	<5.23E-02
Tree 4	8012	3.202E-01	3.123E-01	8.947E-02	7.784E-01	4.869E-01	<8.06E-02
Tree 72	8312	1.747E+00	2.517E+00	2.568E+00	1.599E-01	1.486E-01	1.667E-01
Tree 105	8502	4.887E-02	5.248E-02	6.892E-02	1.283E-02	1.750E-04	8.482E-05
Tree 106	8502	<9.66E-02	3.080E-01	2.477E-01	2.732E-01	5.788E-01	<4.15E-02
Tree 107	8502	<1.39E-01	<6.97E-02	1.357E+00	2.864E-01	<5.12E-02	<4.80E-02
Tree 130	8502	<1.89E-01	3.029E-01	<1.06E-01	2.089E-01	9.279E-01	<7.62E-02
Tree 164	8502	1.344E-01	2.977E-01	<4.91E-02	<7.57E-02	<1.09E-01	<4.87E-02
Tree 165	8502	3.706E-01	2.912E-01	<5.51E-02	<1.14E-01	2.229E-01	<1.23E-01
Tree 166	8502	1.723E+00	7.635E-01	1.092E+00	1.908E-01	<1.10E-01	<9.05E-02
Tree 167	8502	3.391E-01	5.477E-01	<1.01E-01	7.743E-01	3.504E-01	<6.34E-02
Tree 168	8502	2.782E-01	2.641E-01	<1.03E-01	<1.03E-01	<4.62E-02	<3.85E-02
Tree 173	8502	1.550E+00	1.266E+00	1.201E+00	9.919E-01	<5.36E-02	<6.49E-02
Tree 174	8502	<1.14E-01	<5.31E-02	<6.02E-02	<7.41E-02	<5.91E-02	<6.82E-02
Tree 175	8502	3.069E-01	4.631E-01	<6.46E-02	<7.14E-02	<9.26E-02	<9.63E-02
Tree 176	8502	3.844E-01	<8.87E-02	4.037E-01	3.496E-01	3.636E-01	<9.86E-02
Tree 177	8502	2.679E-01	1.884E-01	<1.06E-01	3.891E-01	<8.30E-02	<3.43E-02
Tree 178	8502	<8.49E-02	<9.90E-02	<4.55E-02	2.429E-01	<4.35E-02	<9.30E-02
Tree 179	8502	3.321E-01	4.236E-01	4.450E-01	<4.50E-02	<8.77E-02	<1.12E-01
Tree 180	8502	4.118E-01	3.800E-01	4.644E-01	<1.13E-01	<4.53E-02	<9.82E-02
Tree 182	8502	3.767E-01	5.590E-01	7.441E-01	<4.54E-02	<1.09E-01	<9.68E-02
Tree 183	8502	<7.74E-02	<4.28E-02	<3.90E-02	<7.67E-02	<9.09E-02	<4.78E-02
Ts0241	7506	2.109E-01	2.445E-01	2.302E-01	3.940E-01	4.763E-01	NST
801	7506	2.783E-01	2.321E-01	7.667E-01	1.122E-01	<5.54E-02	NST
Section E4							
Papaya ev	8002	<7.41E-02	1.130E-01	<7.62E-02	2.812E-01	<7.19E-02	<1.14E-01
Papaya ev	8002	<8.41E-02	1.659E-01	2.115E-01	1.093E-01	<7.87E-02	<9.80E-02
Papaya e.	7911	2.293E-01	1.555E-01	1.441E-01	4.090E-01	6.703E-01	<4.82E-02
Papy n.w.	7911	<7.81E-02	1.284E-01	1.458E-01	<1.22E-01	2.775E-01	<5.88E-02
Tree 12	7711	<1.43E-01	<7.45E-02	<3.61E-02	<7.82E-02	<6.55E-02	NST
Tree 12	7908	1.378E-01	<8.66E-02	<1.47E-01	<1.19E-01	<1.65E-01	<7.06E-02
Tree 12	8008	<2.75E-02	<8.41E-02	<8.47E-02	<5.60E-02	<7.21E-02	<5.35E-02
Tree 12	7805	2.820E-02	3.340E-02	3.260E-02	1.750E-01	1.700E-01	NST
Tree 12	8302	8.919E-02	1.928E-01	1.649E-01	<9.91E-03	5.721E-02	<9.91E-03
Tree 16	7711	1.120E+00	1.110E+00	7.480E-01	1.480E+00	3.600E-01	NST
Tree 16	8302	4.122E-01	3.689E-01	2.608E-01	6.892E-02	3.198E-02	2.973E-02
Tree 32	7904	1.351E-01	1.351E-01	1.396E-01	6.757E-03	<1.11E-01	<6.88E-02
Tree 32	8302	2.707E-01	2.347E-01	2.495E-01	1.797E-01	<9.91E-03	<9.91E-03
Tree 34	7904	2.770E-01	2.162E-01	2.168E-01	2.722E-01	1.335E+00	8.964E-01
Tree 34	8302	2.784E-01	1.622E-01	1.437E-01	5.856E-01	7.973E-01	3.275E-01
Tree 34	8305	<1.75E-01	7.523E-01	3.677E-01	5.590E-01	5.126E-01	<1.27E-01

Table D-50. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 34	8502	4.604E-01	1.470E+00	6.644E-01	6.793E-01	8.797E-01	1.051E+00
Tree 34 e	8012	<5.28E-01	3.553E-01	4.739E-01	4.084E-01	6.059E-01	9.964E-01
Tree 34nw	8012	2.620E-01	5.203E-01	<1.08E-01	4.671E-01	1.387E+00	4.829E-01
Tree 50	8212	1.954E-01	<8.11E-02	<6.61E-02	<2.55E-02	<7.78E-02	<6.41E-02
Tree 51	8212	1.757E-01	3.263E-01	3.091E-01	3.740E-01	8.018E-02	2.117E-03
Tree 56	8212	<8.09E-02	<8.66E-02	7.703E-01	1.235E+00	<6.23E-02	<9.87E-02
Tree 108	8502	1.495E-01	1.261E-01	3.891E-01	3.215E-01	<5.51E-02	<1.01E-01
Tree 125	8502	1.568E-01	<9.14E-02	<1.43E-01	1.008E+00	<4.86E-02	<1.11E-01
Tree 126	8502	<5.45E-02	<8.79E-02	1.263E-01	<9.14E-02	<1.01E-01	9.874E-01
Tree 127	8502	1.282E-01	<9.94E-02	<7.25E-02	<2.33E-02	<5.84E-02	<7.13E-02
Tree 128	8502	<4.45E-02	<9.72E-02	<7.37E-02	3.751E-01	<4.78E-02	<4.45E-02
Tree 129	8502	2.252E-01	3.273E-01	<8.65E-02	2.655E-01	1.294E-01	<4.62E-02
Tree 139	8502	8.477E-01	1.684E+00	1.663E+00	2.201E+00	1.915E+00	<5.09E-02
Tree 147	8502	4.775E-01	2.987E-01	2.811E-01	5.842E-01	2.317E-01	<8.78E-02
Tree 172	8502	1.463E-01	1.276E-01	6.239E-02	9.230E-04	4.550E-04	3.033E-04
Ts0271	7506	2.480E-01	2.150E-01	2.951E-01	<9.09E-02	<9.26E-02	NST
802	7506	<3.75E-02	<3.77E-02	<5.29E-02	<9.73E-02	<9.84E-02	NST
Section E5							
Tree 13	7711	2.100E-01	<3.90E-02	1.500E-01	1.900E-01	3.100E-01	NST
Tree 13	8312	4.595E-02	1.081E-01	4.910E-02	7.023E-01	4.099E-02	8.086E-01
Tree 17	8008	5.250E-01	1.933E-01	2.827E-02	7.060E-03	2.428E-03	<5.67E-02
Tree 17	7805	3.410E-01	3.110E-01	9.180E-02	4.060E-02	1.333E-02	NST
Tree 17	8305	7.266E-01	7.203E-01	4.442E-01	<5.94E-02	<7.41E-02	<1.17E-01
Tree 17b	8012	1.419E+00	5.716E-01	<9.47E-02	<6.01E-02	<4.15E-02	<5.37E-02
Tree 18	7811	2.270E-01	2.377E-01	1.703E-01	2.530E-01	1.189E-01	1.210E-01
Tree 23	7904	4.955E-01	4.279E-01	2.387E-01	3.784E-02	1.802E-03	<3.67E-02
Tree 31	7904	1.041E+00	9.189E-01	2.928E-01	1.216E-02	1.802E-03	<5.89E-02
Tree 31	8302	5.914E-01	6.667E-01	4.820E-01	<9.91E-03	<9.91E-03	8.559E-03
Tree 41	8002	1.970E-01	2.240E-01	5.059E-01	4.911E-02	1.594E-03	<1.13E-01
Tree 41	8302	2.342E-01	1.955E-01	1.590E-01	1.509E-01	<9.91E-03	<9.91E-03
Tree 42	8002	4.255E-01	5.378E-01	2.018E-01	<2.49E-02	<7.98E-02	<7.22E-02
Tree 42	8012	1.996E-01	3.740E-01	2.785E-01	3.931E-01	1.785E-03	<5.25E-02
Tree 42	8012	2.924E-01	1.733E-01	2.188E-01	3.256E-01	<1.88E-02	<5.84E-02
Tree 80	8312	2.541E+00	3.768E+00	2.113E-01	4.563E-01	3.604E-03	2.477E-03
Tree 109	8502	<9.86E-02	<1.26E-01	<6.32E-02	<6.57E-02	<1.03E-01	<8.39E-02
Tree 110	8502	<9.14E-02	<4.64E-02	<6.94E-02	5.486E-02	<2.43E-02	<6.95E-02
Tree 111	8502	<8.17E-02	2.082E-01	<8.56E-02	<9.89E-02	<7.32E-02	<1.11E-01
Tree 112	8502	<5.26E-02	<4.73E-02	1.561E-01	<9.71E-02	<5.24E-02	2.150E-01
Tree 113	8502	<1.00E-01	1.840E-01	2.055E-01	<9.45E-02	<4.94E-02	2.122E-01
Tree 114	8502	1.116E-01	8.221E-02	2.446E-01	2.134E-01	3.733E-01	5.162E-01
Tree 119	8502	<7.32E-02	<6.64E-02	<8.85E-02	<4.65E-02	<8.18E-02	<8.79E-02
Tree 120	8502	<7.46E-02	<4.22E-02	<4.40E-02	<4.37E-02	<4.18E-02	<1.01E-01
Tree 121	8502	<9.30E-02	<4.91E-02	<4.09E-02	<4.63E-02	<1.04E-01	<7.93E-02
Tree 122	8502	<1.14E-01	1.690E-01	<8.78E-02	<3.74E-02	<1.08E-01	<6.20E-02
Tree 123	8502	<1.18E-01	<8.88E-02	<1.10E-01	<4.40E-02	<8.49E-02	<6.89E-02

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Table D-50. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 124	8502	<1.12E-01	<7.27E-02	2.062E-01	<4.41E-02	<1.24E-01	<4.67E-02
Tree 136	8502	1.047E+00	1.532E+00	9.378E-01	3.082E-01	<9.08E-02	<8.15E-02
Tree 137	8502	1.057E+00	1.149E+00	<3.62E-02	<4.53E-02	<1.03E-01	<9.44E-02
Tree 138	8502	2.031E+00	2.246E+00	1.651E+00	2.047E+00	1.688E+00	1.057E+00
Tree 142	8502	4.413E-01	4.847E-01	<1.22E-01	<4.93E-02	<6.74E-02	<8.08E-02
Tree 144	8502	2.772E-01	2.228E-01	<5.81E-02	<8.05E-02	<1.12E-01	<8.86E-02
Tree 145	8502	2.240E+00	2.809E+00	1.032E+00	<4.93E-02	<4.40E-02	<8.99E-02
Tree 146	8502	4.427E-01	1.265E-01	<4.76E-02	<4.23E-02	<5.44E-02	<6.25E-02
Tree 154	8502	1.008E+00	9.851E-01	1.011E+00	4.968E-01	<7.52E-02	<6.63E-02
Tree 155	8502	1.013E+00	6.302E-01	<1.03E-01	<2.56E-02	<1.01E-01	<8.86E-02
Tree 156	8502	3.127E+00	3.580E+00	3.514E+00	1.793E+00	2.227E-01	<7.31E-02
Tree 163	8502	1.566E+00	1.408E+00	1.877E+00	3.260E-01	<4.25E-02	<9.63E-02
Tree 170	8502	<8.94E-02	<1.31E-01	<6.09E-02	<8.15E-02	1.067E+00	3.886E+00
Tree 171	8502	<8.33E-02	1.536E-01	<1.01E-01	<4.12E-02	<1.35E-01	<5.34E-02
Tree 201	8505	<5.20E-02	6.282E-01	<8.40E-02	<9.70E-02	<8.50E-02	<6.70E-02
Tree 202	8505	5.384E-01	5.395E-01	8.372E-01	3.495E-01	<2.60E-02	<1.31E-01
803	7506	1.021E+00	9.847E-01	1.318E+00	1.290E+00	2.090E+00	1.255E+00
Section E6							
Tree 14	7908	3.760E-01	4.462E-01	4.279E-01	1.982E-01	1.351E-02	<1.25E-01
Tree 14	7711	5.144E+00	5.740E-01	2.920E-01	<7.25E-02	<5.59E-02	NST
Tree 15	7711	6.300E-01	3.600E-01	6.910E-01	7.160E-01	1.620E+00	NST
Tree 15	8302	5.198E-01	7.009E-01	1.070E+00	1.020E+00	5.581E-01	7.000E-01
Tree 19	7904	7.117E-01	7.027E-01	6.351E-01	7.117E-01	5.099E+00	3.240E+00
Tree 19	8302	4.270E-01	6.468E-01	4.712E-01	3.559E-01	1.730E-01	1.220E+00
Tree 20	7904	1.592E+00	1.414E+00	1.241E+00	1.194E+00	1.196E+00	1.139E+00
Tree 20	8302	2.280E+00	1.510E+00	1.230E+00	1.150E+00	2.080E+00	2.779E-01
Tree 21	7904	1.192E+00	1.235E+00	1.464E+00	1.168E+00	1.027E+00	1.457E-01
Tree 21	8302	1.810E+00	1.280E+00	9.261E-01	8.401E-01	2.770E-01	3.279E-01
Tree 22	8012	8.671E-01	1.686E+00	3.570E-01	1.199E-02	7.267E-03	<6.12E-02
Tree 22	8302	1.170E+00	1.401E-01	<9.91E-03	<9.91E-03	<9.91E-03	<9.91E-03
Tree 74	8312	1.327E+00	1.322E+00	4.389E+00	6.604E+00	8.099E+00	5.635E+00
Tree 76	8312	2.223E+00	1.063E+00	6.802E-02	5.495E-02	4.189E-02	1.892E-02
Tree 78	8312	2.292E+00	2.336E+00	1.025E+00	1.081E-01	1.369E-02	9.099E-03
Tree 115	8502	1.015E+00	4.139E-01	1.287E+00	3.908E+00	<1.00E-01	<5.09E-02
Tree 116	8502	2.280E-01	2.635E-01	<8.58E-02	1.398E-01	1.664E-01	<4.79E-02
Tree 117	8502	1.640E-01	<9.64E-02	<4.76E-02	<3.56E-02	2.925E-01	<7.23E-02
Tree 118	8502	<1.05E-01	1.180E-01	<4.18E-02	<3.92E-02	<9 82E-02	3.658E-01
Tree 131	8502	2.001E-01	<1.05E-01	3.566E-01	<8.87E-02	<4.57E-02	<4.45E-02
Tree 132	8502	7.932E-01	7.680E-01	7.977E-01	5.495E-01	8.923E-01	<6.85E-02
Tree 133	8502	<8.88E-02	<1.02E-01	<1.06E-01	<5.50E-02	<8.11E-02	<5.19E-02
Tree 134	8502	5.135E-01	3.491E-01	4.095E-01	2.754E-01	1.037E+00	1.064E+00
Tree 135	8502	9.122E-01	<6.08E-02	8.392E-01	1.015E+00	<5.32E-02	<7.57E-02
Tree 140	8502	1.193E+00	7.757E-01	9.014E-01	6.977E-01	8.973E-01	4.326E-01
Tree 141	8502	4.509E-01	5.054E-01	8.761E-02	<9.00E-02	<7.59E-02	<2.62E-02
Tree 148	8502	2.552E-01	2.529E-01	<1.02E-01	1.801E-01	1.694E-01	<1.01E-01

Table D-50. (Continued)

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Tree 149	8502	5.419E+00	5.649E+00	5.221E+00	5.216E+00	1.064E+00	NST
Tree 150	8502	<1.10E-01	<7.53E-02	<1.05E-01	<4.86E-02	<7.73E-02	<4.93E-02
Tree 151	8502	5.581E-01	8.527E-01	6.950E-01	7.171E-01	8.383E-01	<4.60E-02
Tree 152	8502	6.045E-01	1.120E+00	1.441E+00	<9.03E-02	<5.25E-02	<5.00E-02
Tree 153	8502	8.941E-01	1.873E+00	1.077E+00	<7.87E-02	<7.91E-02	<4.29E-02
Tree 157	8502	<5.19E-02	3.429E-01	2.340E-01	<4.14E-02	<7.15E-02	<6.22E-02
Tree 158	8502	5.095E-01	6.315E-01	4.502E-01	<1.01E-01	3.352E+00	4.734E-01
Tree 159	8502	4.793E-01	4.559E-01	6.590E-01	1.433E-01	<6.66E-02	<4.39E-02
Tree 160	8502	5.347E-01	5.104E-01	2.264E-01	<4.68E-02	<9.45E-02	<4.63E-02
Tree 161	8502	3.553E-01	8.541E-01	1.909E-01	3.673E-01	3.742E-01	1.402E+00
Tree 162	8502	7.613E-01	1.038E+00	2.402E+00	6.658E-01	<1.03E-01	5.811E-01
S. runway	8502	1.557E-01	1.023E-01	<4.40E-02	<9.90E-02	<4.32E-02	<4.62E-02
Ts0301	7506	1.023E+00	9.770E-01	1.036E+00	1.155E+00	1.963E+00	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-2.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

[c] Sample was taken but no data is available.

Table D-51. Americium-241 radionuclide concentration summary of individual soil profiles taken on Aerokojlol Island (B-13) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 97	7811	4.045E-01	3.817E-01	4.093E-01	1.161E-02	4.610E-03	NST[b]
Site 98	7811	2.117E-01	4.554E-01	4.353E-01	8.302E-02	2.682E-02	NST
Site 183	7811	1.145E-01	7.658E-02	2.955E-02	1.936E-02	NST	NST
Site 184	7811	2.468E-01	1.805E-01	1.723E-01	2.815E-01	2.914E-01	1.075E-01
Site 185	7811	3.698E-01	4.332E-01*	4.003E-01	4.791E-01	3.422E-01	NST
Site 186	7811	7.036E-01	5.815E-01	8.437E-01	2.700E-01	1.236E-01	NST
Site 187	7811	2.965E-01	3.061E-01	2.516E-01	1.065E-01	2.755E-01	9.279E-02
Site 188	7811	1.998E-01	2.781E-01	1.383E-01	2.604E-01	3.080E-01	2.750E-01
Site 189	7811	3.220E-03	3.295E-01	3.143E-01	2.264E-02	3.378E-02	4.637E-01
Site 190	7811	5.707E-01	4.919E-01	9.883E-02	5.068E-03	3.378E-03	3.041E-03
Site 191	7811	6.207E-01	4.550E-01	2.588E-01	3.975E-01	6.829E-01	NST
Site 197	7811	1.330E-01	1.255E-01	3.756E-02	7.887E-03	1.523E-03	7.923E-04
Site 198	7811	3.046E-01	2.915E-01	3.799E-01	2.523E-01	1.657E-01	3.630E-02

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-9.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-52. Americium-241 radionuclide concentration summary of individual soil profiles taken on Lele Island (B-15) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 175	7811	1.947E-01	8.986E-02	4.426E-02	2.027E-02	6.081E-03	8.446E-03
Site 182	7811	1.724E-01	1.377E-01	2.050E-01	2.774E-01	1.890E-01	NST[b]
Site 195	7811	3.890E-01	3.952E-01	1.986E-01	2.534E-02	9.122E-03	1.216E-02
Site 199	7811	1.051E-01	9.529E-02	6.525E-02	7.620E-02	4.493E-02	NST

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-10.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-53. Americium-241 radionuclide concentration summary of individual soil profiles taken on Eneman Island (B-16) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 176	7811	7.509E-02	5.347E-02	6.441E-02	4.977E-02	5.995E-02	5.171E-02
Site 177	7811	6.912E-01	8.586E-01	6.853E-01	7.970E-01	9.126E-01	5.375E-01
Site 178	7811	3.725E-01	2.308E-01	2.743E-01	2.207E-01	2.179E-01	1.615E-01
Site 179	7811	6.155E+00	2.786E+00	1.935E+00	7.173E-01	5.351E-01	3.464E-01
Site 180	7811	1.390E+00	8.450E-01	6.095E-01	6.550E-01	6.324E-01	4.085E-01
Site 181	7811	1.495E-01	1.025E-01	1.096E-01	1.382E-01	1.645E-01	3.744E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-11.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

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Table D-54. Americium-241 radionuclide concentration summary of individual soil profiles taken on Enidrik Island (B-17) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 99	7811	1.358E+01	4.937E-01	1.642E-01	8.383E-01	2.541E-02	4.361E-02
Site 140	7811	2.503E+00	2.246E+00	2.965E+00	4.371E-01	3.703E-01	2.816E-01
Site 141	7811	4.522E-01	5.626E-02	2.438E-02	4.377E-02	7.568E-02	6.257E-02
Site 142	7811	3.312E-01	4.260E-01	3.583E-01	2.104E-01	1.315E-01	9.029E-02
Site 143	7811	2.567E-01	2.116E-01	1.680E-01	3.806E-02	3.604E-02	6.833E-02
Site 144	7811	3.393E-01	1.487E-01	9.261E-02	1.034E-02	1.028E-02	1.568E-02
Site 145	7811	2.482E-01	1.288E-01	2.497E-01	2.704E-01	2.533E-01	2.491E-01
Site 146	7811	1.375E+00	1.528E+00	1.686E+00	5.099E-02	2.061E-01	NDA[b]
Site 147	7811	2.809E+00	3.294E+00	4.230E-01	2.152E-01	8.482E-02	1.351E-02
Site 148	7811	2.189E-01	2.154E-01	2.146E-01	2.170E-01	2.423E-01	2.214E-01
Site 149	7811	1.868E-01	1.391E-01	2.195E-01	2.372E-01	2.852E-01	3.127E-01
Site 150	7811	1.060E-01	2.152E-01	2.579E-01	4.842E-01	6.275E-01	1.994E-01
Site 151	7811	2.165E-01	1.641E-01	3.446E-02	1.723E-02	4.054E-03	1.014E-03
Site 152	7811	1.891E+00	1.172E+00	7.459E-01	2.622E-01	3.378E-03	2.365E-03
Site 153	7811	2.777E+00	2.357E-01	8.806E-02	2.119E-01	2.364E-01	1.697E-01
Site 154	7811	1.991E+00	5.748E-01	7.140E-02	3.027E-02	3.820E-02	3.580E-02
Site 155	7811	3.660E-01	2.533E-01	7.095E-01	5.338E-01	4.955E-01	NST[c]
Site 156	7811	2.373E-01	2.899E-01	3.653E-01	3.248E-01	4.189E-01	1.466E-01
Site 157	7811	8.410E-02	6.797E-02	4.680E-02	8.086E-02	4.676E-02	2.886E-02
Site 158	7811	5.324E-01	4.671E-02	8.297E-02	4.499E-02	2.783E-02	4.082E-02
Site 159	7811	4.797E-01	8.311E-01	5.968E-01	2.645E-01	5.018E-02	NST
Site 160	7811	5.077E-01	5.545E-01	6.608E-01	1.104E+00	1.470E-01	9.572E-02
Site 161	7811	4.914E-01	8.167E-02	5.351E-02	2.821E-02	2.134E-02	2.590E-02
Site 162	7811	3.829E+00	8.860E-01	9.721E-02	9.468E-02	2.866E-02	1.957E-03
Site 163	7811	3.630E-01	2.636E-01	9.761E-02	7.626E-02	5.617E-02	4.595E-02
Site 164	7811	4.024E-01	4.171E-01	4.521E-01	4.440E-01	6.964E-01	9.339E-01
Site 165	7811	2.386E-01	2.774E-01	2.910E-01	1.136E-02	4.362E-03	NST
Site 166	7811	6.311E-01	5.640E-02	5.532E-02	5.297E-02	1.266E-01	5.968E-02
Site 167	7811	1.767E-01	7.842E-02	1.664E-02	1.891E-02	1.539E-02	2.123E-02
Site 168	7811	6.144E-02	2.910E-02	5.766E-03	1.169E-02	2.049E-03	1.370E-03
Site 169	7811	3.914E-01	1.235E-01	4.973E-02	4.977E-02	4.119E-02	4.239E-02
Site 170	7811	8.223E-01	6.492E-01	8.478E-01	2.174E+00	3.243E-01	1.661E-01

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-12.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] Sample was taken but no data is available.

[c] No sample taken.

5000538

Table D-55. Americium-241 radionuclide concentration summary of individual soil profiles taken on Lukoj Island (B-18) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 171	7811	1.006E+01	6.239E-01	3.458E-01	5.333E-01	5.225E-02	NST[b]
Site 172	7811	6.671E-01	8.833E-01	3.786E-01	7.626E-02	4.221E-02	2.703E-02
Site 173	7811	2.010E+00	3.329E-01	8.617E-02	2.635E-02	4.730E-02	4.392E-03

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-13.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

[b] No sample taken.

Table D-56. Americium-241 radionuclide concentration summary of individual soil profiles taken on Jelete Island (B-19) in pCi/g dry weight.

Location	Date[a]	0-5 cm	5-10 cm	10-15 cm	15-25 cm	25-40 cm	40-60 cm
Site 100	7811	1.704E+00	9.694E-01	9.950E-01	9.689E-02	8.468E-02	6.554E-02
Site 174	7811	5.442E+00	1.443E+00	2.380E-01	7.141E-02	1.419E-02	8.108E-03

NOTE: Specific activities are not decay corrected to 1987 but based on the date taken. Sampling sites are shown in Fig. A-14.

[a] The date is given by the last two digits of the year followed by the month, e.g., 7811 is November 1978.

5000539

APPENDIX E:

RADIONUCLIDE CONCENTRATION SUMMARIES FOR ^{137}Cs, ^{90}Sr, $^{239+240}Pu$, AND ^{241}Am FOR VEGETATION TAKEN FROM BIKINI ATOLL

The following tables contain numbers with four significant digits. These numbers were generated by computer and are accurate to only two significant digits. In addition, the term "logs" has been used to describe natural logarithms.

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Table E-1. Cesium-137 radionuclide concentrations for coconuts from 1978-1987 on Bikini Island (B-6) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
Section B1								
Dr. coco meat	2	2.806E+01	1.125E+02	7.030E+01	7.030E+01	5.974E+01	4.029E+00	9.823E-01
Dr. coco fluid	1	1.047E+01	1.047E+01	1.047E+01	1.047E+01	0.000E+00	2.348E+00	0.000E+00
Copra meat	3	2.023E+02	2.755E+02	2.303E+02	2.360E+02	3.694E+01	5.456E+00	1.551E-01
Copra fluid	3	1.096E+02	2.029E+02	1.457E+02	1.527E+02	4.701E+01	4.997E+00	3.081E-01
Section B2								
Dr. coco meat	68	9.242E+00	2.684E+02	2.550E+01	4.971E+01	5.667E+01	3.518E+00	7.972E-01
Dr. coco fluid	68	2.748E+00	1.379E+02	1.270E+01	2.118E+01	2.408E+01	2.645E+00	8.560E-01
Copra meat	15	2.606E+01	4.094E+02	1.694E+02	1.752E+02	1.287E+02	4.844E+00	8.924E-01
Copra fluid	14	3.275E+01	4.865E+02	8.913E+01	1.269E+02	1.180E+02	4.556E+00	7.505E-01
Section B3								
Dr. coco meat	34	2.593E+01	5.659E+02	1.557E+02	1.814E+02	1.310E+02	4.945E+00	7.656E-01
Dr. coco fluid	33	4.978E+00	2.182E+02	4.927E+01	6.614E+01	5.803E+01	3.731E+00	1.083E+00
Copra meat	16	4.898E+01	7.806E+02	2.490E+02	2.848E+02	2.143E+02	5.364E+00	8.250E-01
Copra fluid	16	2.637E+01	2.778E+02	1.361E+02	1.244E+02	7.314E+01	4.618E+00	7.177E-01
Section B4								
Dr. coco meat	161	2.073E+01	3.484E+02	1.431E+02	1.467E+02	6.974E+01	4.842E+00	5.995E-01
Dr. coco fluid	138	9.091E+00	1.420E+02	4.675E+01	5.304E+01	2.837E+01	3.806E+00	6.150E-01
Copra meat	17	1.142E+02	4.442E+02	2.452E+02	2.671E+02	9.555E+01	5.522E+00	3.833E-01
Copra fluid	15	7.512E+01	2.464E+02	1.580E+02	1.497E+02	5.530E+01	4.945E+00	3.715E-01
Section B5								
Dr. coco meat	37	5.523E+01	1.691E+02	1.069E+02	1.106E+02	2.938E+01	4.669E+00	2.810E-01
Dr. coco fluid	37	1.065E+01	9.863E+01	4.644E+01	4.689E+01	1.927E+01	3.750E+00	4.807E-01
Copra meat	10	1.555E+02	3.253E+02	1.910E+02	2.160E+02	6.123E+01	5.324E+00	2.651E-01
Copra fluid	9	1.058E+02	2.468E+02	1.305E+02	1.574E+02	4.999E+01	5.017E+00	3.019E-01
Section B6								
Dr. coco meat	29	8.985E+00	1.875E+02	5.763E+01	6.179E+01	4.386E+01	3.760E+00	9.845E-01
Dr. coco fluid	27	2.990E+00	7.481E+01	2.784E+01	2.950E+01	2.074E+01	3.038E+00	9.572E-01
Copra meat	10	2.315E+01	2.751E+02	9.118E+01	1.179E+02	1.017E+02	4.318E+00	1.063E+00
Copra fluid	9	1.698E+01	2.133E+02	3.159E+01	6.985E+01	6.628E+01	3.862E+00	9.242E-01
Island average								
Dr. coco meat	331	8.985E+00	5.659E+02	1.067E+02	1.184E+02	8.409E+01	4.462E+00	8.849E-01
Dr. coco fluid	304	2.748E+00	2.182E+02	4.023E+01	4.435E+01	3.405E+01	3.458E+00	8.973E-01
Copra meat	71	2.315E+01	7.806E+02	2.071E+02	2.221E+02	1.432E+02	5.146E+00	8.161E-01
Copra fluid	66	1.698E+01	4.865E+02	1.202E+02	1.290E+02	7.951E+01	4.648E+00	7.162E-01

NOTE: Specific activity is decay corrected to January 1, 1987.
[a] N stands for number of composite samples.

Table E-2. Strontium-90 radionuclide concentrations for coconuts from 1978-1983 on Bikini Island (B-6) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
Section B1								
Dr. coco meat	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	1	2.105E-01	2.105E-01	2.105E-01	2.105E-01	0.000E+00	-1.558E+00	0.000E+00
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B2								
Dr. coco meat	3	2.724E-01	6.411E-01	2.836E-01	3.990E-01	2.097E-01	-1.002E+00	4.829E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	6	7.048E-02	5.780E-01	1.247E-01	1.911E-01	1.936E-01	-1.954E+00	7.726E-01
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B3								
Dr. coco meat	4	5.401E-02	2.973E-01	7.399E-02	1.248E-01	1.154E-01	-2.335E+00	7.635E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	7	1.326E-02	1.786E-01	4.044E-02	6.344E-02	5.817E-02	-3.105E+00	9.062E-01
Copra fluid	1	2.072E-02	2.072E-02	2.072E-02	2.072E-02	0.000E+00	-3.877E+00	0.000E+00
Section B4								
Dr. coco meat	4	1.010E-01	2.495E-01	1.795E-01	1.774E-01	6.180E-02	-1.781E+00	3.812E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	6	6.403E-02	1.135E-01	8.799E-02	8.710E-02	1.694E-02	-2.457E+00	1.962E-01
Copra fluid	2	2.568E-03	1.717E-02	9.871E-03	9.871E-03	1.033E-02	-5.014E+00	1.344E+00
Section B5								
Dr. coco meat	4	1.033E-01	7.013E-01	1.454E-01	2.739E-01	2.857E-01	-1.621E+00	8.599E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	5	8.884E-02	2.325E-01	1.378E-01	1.426E-01	5.419E-02	-2.000E+00	3.520E-01
Copra fluid	2	9.353E-03	3.157E-02	2.046E-02	2.046E-02	1.571E-02	-4.064E+00	8.601E-01
Section B6								
Dr. coco meat	3	2.265E-02	3.219E-01	1.894E-01	1.780E-01	1.500E-01	-2.195E+00	1.405E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	3	3.585E-02	8.324E-02	7.456E-02	6.455E-02	2.523E-02	-2.803E+00	4.578E-01
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Island average								
Dr. coco meat	18	2.265E-02	7.013E-01	1.772E-01	2.242E-01	1.856E-01	-1.808E+00	8.565E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	28	1.326E-02	5.780E-01	9.081E-02	1.154E-01	1.055E-01	-2.434E+00	7.619E-01
Copra fluid	5	2.568E-03	3.157E-02	1.717E-02	1.628E-02	1.107E-02	-4.407E+00	9.747E-01

NOTE: Specific activity is decay corrected to January 1, 1987.
[a] N stands for number of composite samples.

Table E-3. Plutonium 239-240 radionuclide concentrations for coconuts from 1978-1983 on Bikini Island (B-6) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
Section B1								
Dr. coco meat	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	1	8.738E-05	8.738E-05	8.738E-05	8.738E-05	0.000E+00	-9.345E+00	0.000E+00
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B2								
Dr. coco meat	3	4.091E-05	3.683E-04	7.459E-05	1.613E-04	1.801E-04	-9.171E+00	1.136E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	6	3.770E-06	8.388E-05	2.140E-05	3.676E-05	3.453E-05	-1.068E+01	1.161E+00
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B3								
Dr. coco meat	4	7.260E-06	5.572E-05	2.451E-05	2.800E-05	2.169E-05	-1.076E+01	9.018E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	7	8.752E-06	1.158E-04	1.437E-05	2.887E-05	3.851E-05	-1.088E+01	8.451E-01
Copra fluid	1	9.014E-06	9.014E-06	9.014E-06	9.014E-06	0.000E+00	-1.162E+01	0.000E+00
Section B4								
Dr. coco meat	4	1.091E-05	1.945E-04	2.223E-05	6.246E-05	8.864E-05	-1.042E+01	1.353E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	5	5.207E-06	2.704E-04	2.297E-05	6.619E-05	1.146E-04	-1.073E+01	1.600E+00
Copra fluid	2	1.606E-05	5.959E-05	3.782E-05	3.782E-05	3.078E-05	-1.038E+01	9.271E-01
Section B5								
Dr. coco meat	3	2.967E-05	3.975E-05	3.642E-05	3.528E-05	5.136E-06	-1.026E+01	1.501E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	5	1.092E-05	2.700E-04	2.521E-05	9.037E-05	1.103E-04	-9.993E+00	1.334E+00
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B6								
Dr. coco meat	3	1.677E-05	6.488E-05	2.656E-05	3.607E-05	2.543E-05	-1.039E+01	6.879E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	3	1.671E-05	2.323E-05	2.079E-05	2.024E-05	3.294E-06	-1.082E+01	1.676E-01
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Island average								
Dr. coco meat	17	7.260E-06	3.683E-04	3.421E-05	6.234E-05	8.998E-05	-1.025E+01	1.006E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	27	3.770E-06	2.704E-04	2.079E-05	5.013E-05	7.173E-05	-1.058E+01	1.121E+00
Copra fluid	3	9.014E-06	5.959E-05	1.606E-05	2.822E-05	2.739E-05	-1.079E+01	9.678E-01

NOTE: Specific activity is decay corrected to January 1, 1987.
[a] N stands for number of composite samples.

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Table E-4. Americium-241 radionuclide concentrations for coconuts from 1978-1983 on Bikini Island (B-6) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
Section B1								
Dr. coco meat	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	1	7.023E-05	7.023E-05	7.023E-05	7.023E-05	0.000E+00	-9.564E+00	0.000E+00
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B2								
Dr. coco meat	1	1.943E-05	1.943E-05	1.943E-05	1.943E-05	0.000E+00	-1.085E+01	0.000E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	4	8.757E-06	6.914E-05	3.195E-05	3.545E-05	2.623E-05	-1.051E+01	8.907E-01
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B3								
Dr. coco meat	2	1.732E-05	6.351E-05	4.042E-05	4.042E-05	3.266E-05	-1.031E+01	9.188E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	5	7.401E-06	1.055E-04	1.591E-05	3.530E-05	4.072E-05	-1.072E+01	1.045E+00
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B4								
Dr. coco meat	1	1.599E-05	1.599E-05	1.599E-05	1.599E-05	0.000E+00	-1.104E+01	0.000E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	2	1.113E-05	2.093E-05	1.603E-05	1.603E-05	6.930E-06	-1.109E+01	4.466E-01
Copra fluid	1	2.290E-04	2.290E-04	2.290E-04	2.290E-04	0.000E+00	-8.382E+00	0.000E+00
Section B5								
Dr. coco meat	2	1.670E-05	4.797E-05	3.233E-05	3.233E-05	2.211E-05	-1.047E+01	7.461E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	3	6.090E-06	3.849E-05	1.050E-05	1.836E-05	1.757E-05	-1.121E+01	9.472E-01
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Section B6								
Dr. coco meat	2	5.248E-05	8.784E-05	7.016E-05	7.016E-05	2.500E-05	-9.598E+00	3.642E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	1	1.273E-05	1.273E-05	1.273E-05	1.273E-05	0.000E+00	-1.127E+01	0.000E+00
Copra fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Island average								
Dr. coco meat	8	1.599E-05	8.784E-05	3.370E-05	4.015E-05	2.704E-05	-1.033E+01	6.996E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	16	6.090E-06	1.055E-04	1.842E-05	3.052E-05	2.867E-05	-1.077E+01	8.769E-01
Copra fluid	1	2.290E-04	2.290E-04	2.290E-04	2.290E-04	0.000E+00	-8.382E+00	0.000E+00

NOTE: Specific activity is decay corrected to January 1, 1987.
[a] N stands for number of composite samples.

500315

Table E-5. Concentrations of radionuclides in vegetation on Bikini Island (B-6) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
				^{137}Cs				
Pandanus meat	32	3.251E+01	6.691E+02	1.361E+02	1.756E+02	1.526E+02	4.881E+00	7.562E-01
Pandanus juice	9	3.278E+01	2.717E+02	1.052E+02	1.313E+02	8.069E+01	4.677E+00	7.120E-01
Breadfruit meat	28	6.027E+00	3.868E+01	1.400E+01	1.595E+01	7.356E+00	2.670E+00	4.590E-01
Papaya meat	72	3.071E+00	4.004E+02	3.703E+01	7.698E+01	9.058E+01	3.594E+00	1.336E+00
Banana meat	12	2.240E+00	1.294E+01	6.965E+00	6.792E+00	4.162E+00	1.708E+00	7.022E-01
Squash meat	33	3.524E+00	2.167E+02	2.402E+01	4.073E+01	4.651E+01	3.185E+00	1.066E+00
				^{90}Sr				
Pandanus meat	2	4.865E+00	1.064E+01	7.753E+00	7.753E+00	4.084E+00	1.973E+00	5.534E-01
Pandanus juice	3	3.102E-01	5.949E-01	5.173E-01	4.741E-01	1.471E-01	-7.830E-01	3.427E-01
Breadfruit meat	9	2.121E-01	7.033E+00	1.798E+00	2.452E+00	2.199E+00	4.447E-01	1.123E+00
Papaya meat	5	3.211E-01	2.773E+00	1.635E+00	1.659E+00	9.600E-01	2.854E-01	8.557E-01
				$^{239+240}Pu$				
Pandanus meat	4	1.568E-05	2.880E-04	9.155E-05	1.214E-04	1.311E-04	-9.715E+00	1.502E+00
Pandanus juice	5	9.261E-06	2.001E-04	5.176E-05	7.515E-05	7.648E-05	-9.986E+00	1.188E+00
Breadfruit meat	11	3.655E-06	2.650E-04	2.580E-05	4.841E-05	7.487E-05	-1.065E+01	1.214E+00
Papaya meat	3	2.740E-06	1.982E-04	1.677E-05	7.257E-05	1.090E-04	-1.078E+01	2.149E+00
				^{241}Am				
Pandanus meat	3	7.450E-06	4.080E-04	1.510E-05	1.435E-04	2.291E-04	-1.024E+01	2.137E+00
Pandanus juice	3	2.040E-05	1.186E-04	7.613E-05	7.171E-05	4.925E-05	-9.774E+00	9.155E-01
Breadfruit meat	5	6.248E-06	1.440E-04	7.700E-06	3.677E-05	6.017E-05	-1.107E+01	1.318E+00
Papaya meat	2	4.330E-06	1.518E-05	9.755E-06	9.755E-06	7.672E-06	-1.172E+01	8.870E-01

[a] N stands for number of composite samples

5000546

Table E-6. Cesium-137 radionuclide concentrations for coconuts from 1978-1985 on Eneu Island (B-12) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
Section E1								
Dr. coco meat	32	1.650E+00	1.026E+01	3.821E+00	4.300E+00	2.193E+00	1.342E+00	4.848E-01
Dr. coco fluid	28	3.538E-01	8.070E+00	1.818E+00	2.303E+00	1.908E+00	5.441E-01	7.854E-01
Copra meat	21	6.480E+00	4.346E+01	1.284E+01	1.564E+01	1.045E+01	2.583E+00	5.648E-01
Copra fluid	20	4.400E+00	3.573E+01	7.671E+00	9.482E+00	7.070E+00	2.086E+00	4.046E-01
Section E2								
Dr. coco meat	80	1.851E+00	4.510E+01	8.380E+00	1.101E+01	8.293E+00	2.123E+00	7.726E-01
Dr. coco fluid	75	5.051E-01	2.175E+01	4.070E+00	5.327E+00	4.218E+00	1.361E+00	8.352E-01
Copra meat	54	3.780E+00	1.198E+02	2.234E+01	2.716E+01	1.961E+01	3.096E+00	6.497E-01
Copra fluid	52	1.134E+00	6.469E+01	1.282E+01	1.502E+01	1.491E+00	6.746E-01	4.705E-01
Section E3								
Dr. coco meat	72	7.658E-01	4.573E+01	1.502E+01	1.668E+01	1.117E+01	2.536E+00	8.365E-01
Dr. coco fluid	67	1.626E-01	3.318E+01	5.639E+00	7.646E+00	6.903E+00	1.623E+00	1.005E+00
Copra meat	37	1.030E+01	9.713E+01	3.789e+01	4.380E+01	2.340e+01	3.624e+00	5.981e-01
Copra juice	36	2.395e+00	5.839e+01	1.763e+01	2.214e+01	1.533e+01	2.845e+00	7.644e-01
Section E4								
Dr. coco meat	48	1.536E+00	1.122E+02	6.997E+00	1.700E+01	2.735E+01	2.105E+00	1.089E+00
Dr. coco fluid	40	7.685E-01	6.024E+01	3.429E+00	8.358E+00	1.373E+01	1.321E+00	1.160E+00
Copra meat	19	4.212E+00	2.472E+02	2.004E+01	5.109E+01	7.562E+01	3.150E+00	1.211E+00
Copra fluid	18	2.154E+00	1.110E+02	1.245E+01	2.441E+01	3.104E+01	2.520E+00	1.196E+00
Section E5								
Dr. coco meat	77	5.960E-01	2.369E+01	6.389E+00	7.732E+00	5.042E+00	1.822E+00	7.293E-01
Dr. coco fluid	72	7.654E-02	1.481E+01	2.215E+00	3.151E+00	2.692E+00	7.882E-01	9.679E-01
Copra meat	22	4.026E+00	4.020E+01	1.578E+01	1.798E+01	1.001E+01	2.721E+00	6.269E-01
Copra fluid	21	7.428E-01	2.702E+01	9.142E+00	9.989E+00	6.012E+00	2.055E+00	8.490E-01
Section E6								
Dr. coco meat	72	7.938E-01	2.631E+01	3.189E+00	4.300E+00	3.995E+00	1.188E+00	7.122E-01
Dr. coco fluid	58	3.135E-02	8.615E+00	1.295E+00	1.658E+00	1.435E+00	1.790E-01	8.914E-01
Copra meat	27	2.203E+00	1.708E+01	7.715E+00	9.008E+00	4.705E+00	2.045E+00	5.960E-01
Copra fluid	25	8.810E-01	9.036E+00	4.925E+00	4.993E+00	2.662E+00	1.425E+00	6.721E-01
Island average								
Dr. coco meat	381	5.960E-01	1.122E+02	6.389E+00	1.034E+01	1.278E+01	1.896E+00	9.153E-01
Dr. coco fluid	340	3.135E-02	6.024E+01	2.772E+00	4.805E+00	6.553E+00	1.018E+00	1.069E+00
Copra meat	180	2.203E+00	2.472E+02	1.851E+01	2.792E+01	3.193E+01	2.947E+00	8.534E-01
Copra fluid	173	7.428E-01	1.110E+02	1.050E+01	1.478E+01	1.530E+01	2.297E+00	9.131E-01

NOTE: Specific activity is decay corrected to January 1, 1987.
[a] N stands for number of composite samples.

LMC0054

Table E-7. Strontium-90 radionuclide concentrations for coconuts from 1978-1985 on Eneu Island (B-12) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
Section E1								
Dr. coco meat	6	1.285E-02	1.007E-01	2.741E-02	4.586E-02	3.712E-02	-3.356E+00	8.070E-01
Dr. coco fluid	1	2.298E-03	2.298E-03	2.298E-03	2.298E-03	0.000E+00	-6.076E+00	0.000E+00
Copra meat	8	5.527E-03	1.030E-01	1.139E-02	2.281E-02	3.283E-02	-4.294E+00	9.358E-01
Copra fluid	4	1.102E-03	9.724E-03	1.565E-03	3.489E-03	4.163E-03	-6.092E+00	9.887E-01
Section E2								
Dr. coco meat	11	7.178E-03	4.626E-02	1.484E-02	2.084E-02	1.274E-02	-4.039E+00	6.104E-01
Dr. coco fluid	1	3.113E-03	3.113E-03	3.113E-03	3.113E-03	0.000E+00	-5.772E+00	0.000E+00
Copra meat	18	4.967E-03	1.240E-01	1.601E-02	3.614E-02	3.774E-02	-3.806E+00	1.003E+00
Copra fluid	10	1.694E-03	2.472E-02	3.261E-03	6.819E-03	7.575E-03	-5.415E+00	9.068E-01
Section E3								
Dr. coco meat	11	1.098E-03	2.041E-02	1.068E-02	1.007E-02	6.333E-03	-4.904E+00	9.664E-01
Dr. coco fluid	2	1.857E-03	2.388E-03	2.122E-03	2.122E-03	3.755E-04	-6.163E+00	1.779E-01
Copra meat	8	4.749E-03	7.192E-02	1.090E-02	2.210E-02	2.390E-02	-4.241E+00	9.448E-01
Copra fluid	5	8.645E-04	8.678E-03	9.040E-04	2.447E-03	3.483E-03	-6.570E+00	1.019E+00
Section E4								
Dr. coco meat	11	1.664E-03	4.936E-02	1.328E-02	1.492E-02	1.265E-02	-4.496E+00	8.524E-01
Dr. coco fluid	3	9.105E-04	3.094E-03	1.826E-03	1.944E-03	1.096E-03	-6.362E+00	6.136E-01
Copra meat	5	3.522E-03	1.280E-01	4.910E-03	3.378E-02	5.364E-02	-4.390E+00	1.536E+00
Copra fluid	4	5.830E-04	3.062E-03	2.024E-03	1.923E-03	1.123E-03	-6.432E+00	7.500E-01
Section E5								
Dr. coco meat	13	3.108E-03	5.495E-02	9.563E-03	1.516E-02	1.444E-02	-4.487E+00	7.607E-01
Dr. coco fluid	4	2.188E-03	1.313E-02	5.892E-03	6.775E-03	5.216E-03	-5.260E+00	8.695E-01
Copra meat	6	8.901E-03	7.251E-02	1.892E-02	3.120E-02	2.749E-02	-3.806E+00	9.044E-01
Copra fluid	4	1.727E-03	3.883E-03	2.994E-03	2.899E-03	9.137E-04	-5.886E+00	3.484E-01
Section E6								
Dr. coco meat	9	7.824E-03	8.810E-02	1.211E-02	2.809E-02	2.707E-02	-3.949E+00	9.029E-01
Dr. coco juice	2	7.766E-04	3.255E-03	2.016E-03	2.016E-03	1.753E-03	-6.444E+00	1.013E+00
Copra meat	10	4.817E-03	2.466E-01	3.338E-02	5.160E-02	7.026E-02	-3.472E+00	1.015E+00
Copra fluid	6	3.614E-04	1.112E-02	3.864E-03	4.730E-03	3.680E-03	-5.745E+00	1.172E+00
Island average								
Dr. coco meat	61	1.098E-03	1.007E-01	1.285E-02	2.015E-02	2.048E-02	-4.293E+00	9.051E-01
Dr. coco fluid	13	7.766E-04	1.313E-02	2.388E-03	3.586E-03	3.502E-03	-5.937E+00	7.702E-01
Copra meat	55	3.522E-03	2.466E-01	1.757E-02	3.422E-02	4.321E-02	-3.933E+00	1.033E+00
Copra fluid	33	3.614E-04	2.472E-02	2.724E-03	4.305E-03	5.018E-03	-5.912E+00	9.590E-01

NOTE: Specific activity is decay corrected to January 1, 1987.
[a] N stands for number of composite samples.

5000548

Table E-8. Plutonium 239-240 radionuclide concentrations for coconuts from 1978-1985 on Eneu Island (B-12) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
Section E1								
Dr. coco meat	3	3.241E-06	1.473E-04	2.019E-05	5.691E-05	7.874E-05	-1.076E+01	1.909E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	6	5.297E-06	8.406E-05	2.124E-05	3.450E-05	3.388E-05	-1.079E+01	1.176E+00
Copra fluid	3	3.311E-06	5.203E-05	1.292E-05	2.275E-05	2.581E-05	-1.125E+01	1.377E+00
Section E2								
Dr. coco meat	8	3.809E-06	6.086E-05	1.241E-05	1.764E-05	1.828E-05	-1.128E+01	8.198E-01
Dr. coco fluid	1	1.420E-05	1.420E-05	1.420E-05	1.420E-05	0.000E+00	-1.116E+01	0.000E+00
Copra meat	11	9.662E-06	8.536E-05	1.700E-05	3.027E-05	2.493E-05	-1.067E+01	7.393E-01
Copra fluid	6	2.677E-06	2.036E-05	9.766E-06	1.032E-05	5.683E-06	-1.163E+01	6.583E-01
Section E3								
Dr. coco meat	9	6.203E-06	1.623E-04	1.311E-05	4.611E-05	6.031E-05	-1.071E+01	1.227E+00
Dr. coco fluid	1	1.673E-05	1.673E-05	1.673E-05	1.673E-05	0.000E+00	-1.100E+01	0.000E+00
Copra meat	6	1.901E-05	1.812E-04	3.400E-05	5.651E-05	6.186E-05	-1.011E+01	7.988E-01
Copra fluid	2	8.333E-06	3.439E-05	2.136E-05	2.136E-05	1.843E-05	-1.099E+01	1.002E+00
Section E4								
Dr. coco meat	6	6.428E-06	2.331E-04	2.043E-05	5.382E-05	8.810E-05	-1.059E+01	1.197E+00
Dr. coco fluid	2	6.167E-06	8.212E-06	7.189E-06	7.189E-06	1.446E-06	-1.185E+01	2.025E-01
Copra meat	6	7.194E-06	2.428E-04	7.154E-05	8.625E-05	8.615E-05	-9.896E+00	1.272E+00
Copra fluid	3	1.171E-05	6.252E-05	1.236E-05	2.886E-05	2.915E-05	-1.078E+01	9.519E-01
Section E5								
Dr. coco meat	9	7.473E-06	3.546E-05	1.017E-05	1.714E-05	1.114E-05	-1.114E+01	6.014E-01
Dr. coco fluid	1	1.350E-05	1.350E-05	1.350E-05	1.350E-05	0.000E+00	-1.121E+01	0.000E+00
Copra meat	6	1.651E-05	1.493E-04	4.716E-05	6.359E-05	4.918E-05	-9.913E+00	7.863E-01
Copra fluid	3	5.050E-06	1.329E-05	8.820E-06	9.053E-06	4.125E-06	-1.169E+01	4.857E-01
Section E6								
Dr. coco meat	6	4.048E-06	3.454E-05	9.350E-06	1.600E-05	1.329E-05	-1.134E+01	8.457E-01
Dr. coco fluid	2	7.293E-06	5.802E-05	3.266E-05	3.266E-05	3.587E-05	-1.079E+01	1.466E+00
Copra meat	8	9.437E-06	8.047E-05	1.583E-05	2.550E-05	2.442E-05	-1.088E+01	7.762E-01
Copra fluid	3	3.126E-06	2.669E-05	2.668E-05	1.883E-05	1.360E-05	-1.125E+01	1.238E+00
Island average								
Dr. coco meat	41	3.241E-06	2.331E-04	1.338E-05	3.171E-05	4.904E-05	-1.099E+01	1.014E+00
Dr. coco fluid	7	6.167E-06	5.802E-05	1.350E-05	1.773E-05	1.820E-05	-1.124E+01	7.539E-01
Copra meat	43	5.297E-06	2.428E-04	2.827E-05	4.609E-05	4.966E-05	-1.043E+01	9.500E-01
Copra fluid	20	2.677E-06	6.252E-05	1.101E-05	1.716E-05	1.616E-05	-1.133E+01	8.719E-01

NOTE: Specific activity is decay corrected to January 1, 1987.
[a] N stands for number of composite samples.

S0005449

Table E-9. Americium-241 radionuclide concentrations for coconuts from 1978-1985 on Eneu Island (B-12) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
Section E1								
Dr. coco meat	4	2.466E-06	7.752E-05	3.610E-06	2.180E-05	3.715E-05	-1.186E+01	1.607E+00
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	4	7.635E-06	3.947E-05	1.853E-05	2.104E-05	1.422E-05	-1.096E+01	7.269E-01
Copra fluid	1	2.686E-05	2.686E-05	2.686E-05	2.686E-05	0.000E+00	-1.052E+01	0.000E+00
Section E2								
Dr. coco meat	8	3.743E-06	3.508E-05	1.095E-05	1.453E-05	1.102E-05	-1.138E+01	7.410E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	6	8.608E-06	2.224E-04	2.207E-05	5.480E-05	8.276E-05	-1.047E+01	1.129E+00
Copra fluid	6	2.023E-06	9.140E-05	9.002E-06	3.097E-05	3.992E-05	-1.137E+01	1.645E+00
Section E3								
Dr. coco meat	9	8.005E-07	9.599E-05	9.351E-06	2.098E-05	2.913E-05	-1.142E+01	1.277E+00
Dr. coco fluid	1	1.095E-05	1.095E-05	1.095E-05	1.095E-05	0.000E+00	-1.142E+01	0.000E+00
Copra meat	4	4.829E-06	7.177E-05	5.461E-05	4.645E-05	2.919E-05	-1.036E+01	1.266E+00
Copra fluid	3	1.318E-05	1.027E-04	1.373E-05	4.320E-05	5.153E-05	-1.054E+01	1.174E+00
Section E4								
Dr. coco meat	5	2.682E-06	3.463E-05	1.001E-05	1.368E-05	1.232E-05	-1.152E+01	9.229E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	4	1.141E-05	1.335E-04	3.852E-05	5.549E-05	5.356E-05	-1.016E+01	1.004E+00
Copra fluid	4	6.027E-06	5.734E-05	1.480E-05	2.324E-05	2.365E-05	-1.105E+01	1.006E+00
Section E5								
Dr. coco meat	8	7.892E-06	2.794E-05	1.226E-05	1.474E-05	7.507E-06	-1.123E+01	4.891E-01
Dr. coco fluid	1	3.359E-06	3.359E-06	3.359E-06	3.359E-06	0.000E+00	-1.260E+01	0.000E+00
Copra meat	3	3.275E-05	1.494E-04	5.166E-05	7.794E-05	6.261E-05	-9.669E+00	7.788E-01
Copra fluid	2	6.333E-06	2.933E-05	1.783E-05	1.783E-05	1.626E-05	-1.120E+01	1.084E+00
Section E6								
Dr. coco meat	8	7.556E-06	5.315E-05	1.485E-05	1.963E-05	1.501E-05	-1.103E+01	6.276E-01
Dr. coco fluid	0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Copra meat	7	6.268E-06	1.338E-04	1.036E-05	3.183E-05	4.666E-05	-1.100E+01	1.098E+00
Copra fluid	3	2.552E-06	1.912E-05	1.370E-05	1.179E-05	8.447E-06	-1.165E+01	1.079E+00
Island average								
Dr. coco meat	42	8.005E-07	9.599E-05	1.057E-05	1.751E-05	1.899E-05	-1.136E+01	9.191E-01
Dr. coco fluid	2	3.359E-06	1.095E-05	7.155E-06	7.155E-06	5.368E-06	-1.201E+01	8.356E-01
Copra meat	28	4.829E-06	2.224E-04	2.870E-05	4.562E-05	5.260E-05	-1.053E+01	1.044E+00
Copra fluid	19	2.023E-06	1.027E-04	1.370E-05	2.665E-05	3.088E-05	-1.115E+01	1.188E+00

NOTE: Specific activity is decay corrected to January 1, 1987.
[a] N stands for number of composite samples.

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Table E-10. Concentrations of radionuclides in vegetation on Eneu Island (B-12) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
				^{137}Cs				
Pandanus meat	22	5.347E+00	2.721E+01	8.775E+00	1.140E+01	6.328E+00	2.314E+00	4.788E-01
Pandanus juice	1	1.030E+01	1.030E+01	1.030E+01	1.030E+01	0.000E+00	2.333E+00	0.000E+00
Breadfruit meat	23	8.291E-01	7.808E+00	2.494E+00	3.507E+00	2.060E+00	1.070E+00	6.504E-01
Papaya meat	39	1.309E+00	3.621E+01	9.796E+00	1.266E+01	8.944E+00	2.269E+00	7.961E-01
Banana meat	4	4.849E-01	8.465E-01	7.640E-01	7.148E-01	1.645E-01	-3.585E-01	2.555E-01
Squash meat	12	1.303E+00	1.594E+01	5.340E+00	6.888E+00	4.694E+00	1.717E+00	7.024E-01
Watermelon meat	17	2.088E-01	5.858E+00	1.837E+00	2.120E+00	1.408E+00	5.240E-01	7.754E-01
Sweet potato	4	1.861E+00	1.008E+01	4.090E+00	5.030E+00	3.528E+00	1.437E+00	6.907E-01
Tacca	3	7.881E-01	7.946E+00	2.370E+00	3.701E+00	3.760E+00	8.991E-01	1.156E+00
				^{90}Sr				
Breadfruit meat	4	1.990E-02	2.648E+00	2.464E-01	7.902E-01	1.247E+00	-1.512E+00	2.050E+00
Papaya meat	7	4.230E-02	3.189E-01	6.915E-02	1.338E-01	1.338E-01	-2.777E+00	7.676E-01
Squash meat	6	1.946E-02	1.201E-01	4.185E-02	5.172E-02	3.671E-02	-3.143E+00	6.444E-01
Watermelon meat	8	9.487E-03	5.089E-02	2.231E-02	2.519E-02	1.375E-02	-3.812E+00	5.536E-01
Sweet potato	1	1.342E-01	1.342E-01	1.342E-01	1.342E-01	0.000E+00	-2.008E+00	0.000E+00
				$^{239+240}Pu$				
Breadfruit meat	3	1.107E-05	1.846E-05	1.347E-05	1.433E-05	3.770E-06	-1.118E+01	2.580E-01
Papaya meat	4	6.500E-06	1.291E-05	9.180E-06	9.442E-06	3.025E-06	-1.161E+01	3.248E-01
Squash meat	5	3.640E-06	1.890E-05	7.630E-06	8.854E-06	6.296E-06	-1.183E+01	7.032E-01
Watermelon meat	8	4.440E-06	2.010E-05	1.465E-05	1.331E-05	6.222E-06	-1.135E+01	5.712E-01
Sweet potato	1	1.470E-04	1.470E-04	1.470E-04	1.470E-04	0.000E+00	-8.825E+00	0.000E+00
				^{241}Am				
Breadfruit meat	4	2.007E-06	2.528E-05	2.177E-05	1.771E-05	1.089E-05	-1.130E+01	1.221E+00
Papaya meat	7	1.206E-06	2.950E-04	5.463E-06	5.336E-05	1.084E-04	-1.168E+01	2.092E+00
Watermelon meat	7	1.860E-06	9.900E-06	3.380E-06	4.189E-06	2.743E-06	-1.253E+01	5.733E-01
Sweet potato	1	1.150E-04	1.150E-04	1.150E-04	1.150E-04	0.000E+00	-9.071E+00	0.000E+00

[a] N stands for number of composite samples.

Table E-11. Concentrations of radionuclides in vegetation on Aerokojlol Island (B-13) in pCi/g wet weight.

Food source	N[a]	Minimum	Maximum	Median	Mean	SD	Mean of logs	SD of logs
				^{137}Cs				
Copra meat	2	1.514E-01	2.257E-01	1.886E-01	1.886E-01	5.252E-02	-1.688E+00	2.822E-01
Copra fluid	2	3.088E-02	3.362E-02	3.225E-02	3.225E-02	1.938E-03	-3.435E+00	6.013E-02
				^{90}Sr				
Copra meat	2	5.866E-03	8.579E-02	4.583E-02	4.583E-02	5.652E-02	-3.797E+00	1.897E+00
Copra fluid	2	4.673E-04	1.255E-03	8.610E-04	8.610E-04	5.568E-04	-7.175E+00	6.984E-01
				$^{239+240}Pu$				
Copra meat	2	2.135E-05	6.518E-04	3.366E-04	3.366E-04	4.458E-04	-9.045E+00	2.417E+00
Copra fluid	2	7.532E-06	7.905E-05	4.329E-05	4.329E-05	5.057E-05	-1.062E+01	1.662E+00
				^{241}Am				
Copra meat	1	1.610E-05	1.610E-05	1.610E-05	1.610E-05	0.000E+00	-1.144E+01	0.000E+00
Copra fluid	1	9.266E-06	9.266E-06	9.266E-06	9.266E-06	0.000E+00	-1.159E+01	0.000E+00

[a] N stands for number of composite samples.

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