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RADIOACTIVITY SURVEY DATA in Japan

= Environmental and Dietary Materials =

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Environmental and Dietary Materials

1. Sampling and retrieval

(1) Rain and dry fallout

The collector, which was stainless steel tray, 5000cm^2 in area, was placed outside on the first of the month and left there for one month. At the beginning of the month, 1 cm depth of water in the tray was kept.

At the end of the month, the water in the tray was transferred to a certain bottle. Water was added to the tray and the side and bottom were scrubbed. The slurry was transferred to the bottle. The washing was repeated with distilled water.

Strontium and cesium carrier solution were added to the sample. The sample solution was evaporated to dryness.

(2) Airborne dust

Airborne dust was collected by an appropriate filter and an air mover. The air mover works at a flow rate more than 3000m^3 per month for three month sampling periods. The filter holder with the filter is mounted on a 1 to 1.5 m stand.

(3) Service water and fresh water

100L of the water (service water, tap water or fresh water) was collected at the water-treatment plant prior to discharge into the distribution system and at the tap water was left running for five minutes.

Strontium and cesium carrier solution were added to the sample. The sample solution was evaporated to dryness.

(4) Soil

The area selected for sampling was spacious and flat, and then undisturbed for at least the time interval that was of interest. Soil cores were taken to a depth of 5cm (surface soil) and 5 - 20cm. The samples were dried at 105 – 110℃ and, after removal of and then passed through 2mm sieve to remove pebbles and plant roots.

(5) Seawater

Surface seawater was collected at the fixed station using a polyethylene bucket. The sea water was put into 20L polyethylene containers and was acidified by adding concentrated HCl. Two hundred ml of seawater was also collected at the same station for the determination of chlorinity.

(6) Sediment

Sediment was collected at the same station of seawater collected using a conventional sediment sampler. The sampling station was selected taking the following criteria into account.

a. The depth of water exceeds 1m at low tide.
b. Any significant sediment movement is not found in the vicinity of the sampling station.

The sample collected was spread on a stainless steel dish after filtration of water. The pebbles, shells and other foreign materials were removed. The sample was dried at 105℃.

(7) Total diet

Total diet is meaning whole dietary food for five people in a day. The samples was dried at 105℃ and was reduced to ashes at 450℃.

(8) Rice

Polished rice was collected or purchased at a rice-producing district or in consuming area.

(9) Milk

Raw milk was collected in producing districts and commercial milk was purchased in consuming area. Milk sample in a stainless or porcelain dish was evaporated to dryness and reduced to ashes at 450℃.

(10) Vegetables

Spinach and Japanese radish were selected as the representatives for edible herbs and for edible roots. After removing soil, the samples were dried at 105℃ and reduced to ashes at 450℃ in a porcelain dish.

(11) Tea

Manufactured green tea was collected and reduced to ashes in a stainless or porcelain dishes at 450℃.

(12) Fish, shellfish and seaweeds

a. Sea fish and freshwater fish

Fish was collected or purchased. After removing inedible part of big fish sample, the samples were dried at 105℃ and reduced to ashes at 450℃ in a porcelain dish.

b. Shellfish

Shellfish was collected or purchased.

After removing the shells, the samples were dried at 105℃ and reduced to ashes at 450℃ in a porcelain dish.

c. Seaweeds

Edible seaweeds were collected After removing sand and adhering materials, the samples were dried at 105℃ and reduced to ashes at 450℃ in a porcelain dish

Table 1 shows details of sample collection

Sample	Frequency of sampling	Quantity of sample
=Environmental materials=		
(1) Rain and dry fallout	Monthly	
1. For domestic program		
(2) Airborne dust	Quarterly	>3000 m^3 /month
(3) Service water and freshwater		
1. Service water (source water)	Semiannually	100L
2. Service water (tap water)	Semiannually	100L
3. Freshwater	Yearly (fishing season)	100L
(4) Soil		
1.0~5cm	Yearly	4kg
2.5~20cm	Yearly	4kg
(5) Seawater	Yearly	40L
(6) Sea sediments	Yearly	4kg
=Dietary materials=		
(7) Total diet	Semiannually	daily amount for 5 persons
(8) Rice		
1. Producing districts	Yearly (harvesting season)	5kg (polished rice)
2. Consuming districts	Yearly (harvesting season)	5kg (polished rice)
(9) Milk		
1. Producing districts	Quarterly (February, May, August and November)	3L
2. Consuming districts	Semiannually (February and August)	3L
3. Powdered milk	Semiannually (January and June)	2~3kg
(10) Vegetables		
1. Producing districts	Yearly (harvesting season)	4kg
2. Consuming districts	Yearly (harvesting season)	4kg
(11) Tea	Yearly (the first harvesting season)	500g (manufactured tea)
(12) Fish, shellfish and seaweeds		
1. Sea fish		
2. Freshwater fish	Yearly (fishing season)	4kg
3. Shellfish	Yearly (fishing season)	4kg
4. Seaweeds	Yearly (fishing season)	4kg
	Yearly (fishing season)	2~3kg

2. Preparation of samples for radiochemical analysis

(1) Rain, service water and fresh water

The residue evaporated to dryness was decomposed with nitric acid and dissolved in hydrochloric acid.

(2) Soil and sea sediment

Dried sample was ground into small particle (<0.25mm in size) using a crusher. The sieved sample was heated in an electric muffle furnace at 450 ℃ . After that strontium and cesium carrier solution and hydrochloric acid were added to the sample and was heated for three hours. The mixture was sometimes stirred during heating and the solution was filtered.

(3) Rice

The ash sample was ground and passed through a 0.35mm sieve. After that strontium and cesium carrier solution and aqua regia were added to the sample and was heated. The sample solution was evaporated to dryness. The residue was decomposed with nitric acid and dissolved in hydrochloric acid. The solution was filtered.

(4) Airborne dust and, total diet, milk, vegetables, and shell fish, seaweeds, tea and others

The same procedure as described in the section 2 (3) were carried out.

3. Radiochemical separation of Strontium-90 and Cesium-137

(1) Strontium-90

The acidic sample solution, prepared as in the section 2, was made alkaline with sodium hydroxide. Alkaline earth carbonate was precipitated by adding sodium carbonate. The supernatant was retained for determination of Cesium-137.

The carbonate was dissolved in hydrochloric acid. Alkaline earth oxalate was precipitated at pH 4.2 by adding aqueous ammonia. After decantation the precipitate was dissolved in nitric acid and fuming nitric acid was added to precipitate the strontium. After rejecting the supernatant the precipitate was dissolved in water. The solution was evaporated to dryness. The residue was dissolved in 0.5M hydrochloric acid. The solution was adsorbed on a chromatographic column containing a cation exchange resin. Strontium was eluted from the column with 2M ammonium acetate. The strontium fraction was evaporated to dryness. The residue was dissolved in water. Barium carrier solution, acetic acid and ammonium acetate solution were added. The mixture was heated. The barium chromate was precipitated by adding potassium chromate solution. The supernatant was filtrated and the precipitate was rejected. The solution was made alkaline with aqueous ammonia. The strontium carbonate was precipitated by adding saturated ammonia carbonate solution. The supernatant was filtered and rejected. The precipitate was dissolved in hydrochloric acid and iron carrier solution was added. The solution was made alkaline with carbonate-free aquous ammonia and heated to complete the precipitation. The precipitation was filtered and rejected. The strontium carbonate was precipitated from the supernatant by adding ammonium carbonate solution and dried and weighed to determine strontium recovery. The precipitate was dissolved in hydrochloric acid. Iron carrier solution was added. The solution was stored for at least 2 weeks. Yttrium-90 was co-precipitated with ferric hydroxide. The precipitate was filtered through a filter paper and mounted on a planchette with paste. Counting was started immediately.

(2) Cesium-137

After precipitating strontium carbonate, the supernatant was made acidity by adding hydrochloric acid. Ammonium phosphomolybdate(AMP) was added to adsorb cesium while stirring the mixture for thirty minutes and allowed to stand. The supernatant was decanted off and discarded. The solid was dissolved in 6M sodium hydroxide. The solution was adjusted to pH 8.2 with hydrochloric acid. The solution was filtered. EDTA solution was added to the filtrate. The solution was adsorbed on a chromatographic column containing a cation exchange resin. Cesium was eluted from the column with 2M hydrochloric acid. The cesium fraction was evaporated to dryness. The residue was

dissolved in water. Chloroplatinatic acid was added to the solution to format cesium precipitate. The precipitate was filtered through a filter paper and weighed to determine the cesium recovery. The precipitate was with Mylar and mounted on a planchette. Counting was started.

4. Determination of stable Strontium, Calcium and potassium

A weighed amount of soil or sea sediment was heated in an electric muffle furnace at 450℃ and then treated with a hydrochloric acid for extraction. An weighed aliquot of ashed samples of total diet, vegetables, milk, fish, shellfish or seaweeds were digested with hydrofluoric acid and nitric acid. The extract was made up to an appropriate volume with dilute hydrochloric acid. Stable calcium and strontium were determined by ICP-AES and potassium were determined by flame photometry.

5. Counting

After the radiochemical separation, the mounted precipitates were counted for radioactivity using low background gas-flow type GM counters normally for 60 to 90minutes.

Radioactivity of Strontium-90 and Cesium-137 were corrected for counting efficiency, and chemical recovery. From the results, concentrations of these nuclides in the original samples were calculated.

1 : Sapporo
2 : Aomori
3 : Morioka
4 : Sendai
5 : Akita
6 : Yamagata
7 : Fukushima
8 : Mito
9 : Utsunomiya
10 : Maebashi
11 : Saitama
12 : Chiba
13 : Shinjuku
14 : Yokohama
15 : Niigata
16 : Toyama
17 : Kanazawa
18 : Fukui
19 : Kofu
20 : Nagano
21 : Gifu
22 : Shizuoka
23 : Nagoya
24 : Tsu
25 : Otsu
26 : Kyoto
27 : Osaka
28 : Kobe
29 : Nara
30 : Wakayama
31 : Tottori
32 : Matsue
33 : Okayama
34 : Hiroshima
35 : Yamaguchi
36 : Tokushima
37 : Takamatsu
38 : Matsuyama
39 : Kochi
40 : Fukuoka
41 : Saga
42 : Nagasaki
43 : Kumamoto
44 : Oita
45 : Miyazaki
46 : Kagoshima
47 : Naha

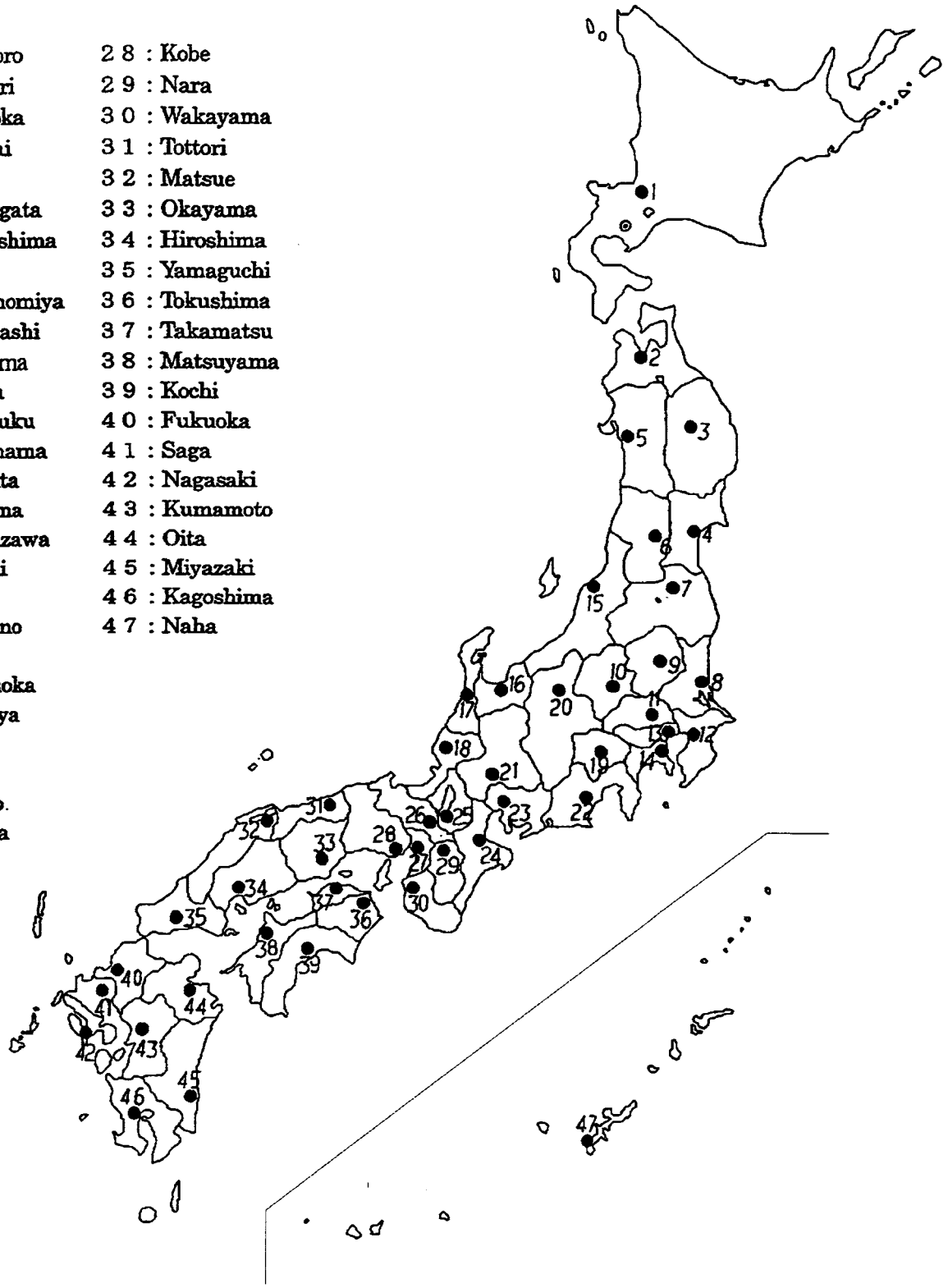

Figure 1. Sampling Locations in Japan

6. Results

(1) Strontium-90 and Cesium-137 in Rain and dry fallout
(from Apr. 2001 to Mar. 2002)

Table (1) : Strontium-90 and Cesium-137 in Rain and dry fallout

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Apr. 2001								
Sapporo, HOKKAIDO	29	19.0	0.016	±	0.012	0.064	±	0.011
Aomori, AOMORI	29	26.5	0.055	±	0.017	0.086	±	0.013
Morioka, IWATE	29	24.8	0.079	±	0.017	0.080	±	0.012
Onagawa-machi, MIYAGI	29	4.5	0.0000	±	0.0094	0.028	±	0.0097
Akita, AKITA	29	63.7	0.025	±	0.013	0.083	±	0.012
Yamagata, YAMAGATA	29	17.4	0.018	±	0.0081	0.042	±	0.010
Okuma-machi, FUKUSHIMA	29	2.5	0.016	±	0.014	0.0013	±	0.0090
Mito, IBARAKI	29	30.0	0.029	±	0.013	0.027	±	0.0088
Kawachi-machi, TOCHIGI	29	31.4	0.026	±	0.013	0.0006	±	0.0084
Maebashi, GUNMA	28	14.5	0.014	±	0.011	0.045	±	0.010
Saitama, SAITAMA	29	30.1	0.013	±	0.0056	0.038	±	0.0082
Chiba, CHIBA	30	46.5	0.043	±	0.014	0.027	±	0.011
Ichihara, CHIBA	29	49.0	0.009	±	0.013	0.037	±	0.010
Shinjuku, TOKYO	29	50.9	0.0099	±	0.0073	0.043	±	0.010
Yokohama, KANAGAWA	28	32.7	0.028	±	0.015	0.034	±	0.010
Niigata, NIIGATA	29	21.75	0.013	±	0.0077	0.055	±	0.011
Kosugi-machi, TOYAMA	32	53.1	0.000	±	0.013	0.064	±	0.013
Kanazawa, ISHIKAWA	25	69.5	0.036	±	0.0086	0.076	±	0.012
Fukui, FUKUI	35	84.9	0.11	±	0.042	0.067	±	0.044
Kofu, YAMANASHI	29	18.0	0.000	±	0.010	0.014	±	0.0097
Nagano, NAGANO	30	16.8	0.016	±	0.014	0.0000	±	0.0080
Kakamigahara, GIFU	29	27.0	0.036	±	0.0093	0.034	±	0.0099
Shizuoka, SHIZUOKA	30	62.0	0.013	±	0.013	0.072	±	0.012
Nagoya, AICHI	25	26.2	0.016	±	0.014	0.031	±	0.0093
Yokkaichi, MIE	29	59.5	0.067	±	0.025	0.034	±	0.0094
Otsu, SHIGA	29	28.4	0.002	±	0.018	0.025	±	0.0094
Kyoto, KYOTO	28	23.0	0.025	±	0.0091	0.032	±	0.0094
Osaka, OSAKA	32	25.6	0.030	±	0.022	0.022	±	0.010
Kobe, HYOGO	28	20.5	0.003	±	0.013	0.021	±	0.0093
Nara, NARA	29	49.7	0.026	±	0.0089	0.030	±	0.0096

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Wakayama, WAKAYAMA	29	36.5	0.035	±	0.011	0.018	±	0.0096
Tottori, TOTTORI	29	47.62	0.042	±	0.027	0.10	±	0.016
Matsue, SHIMANE	28	29.8	0.013	±	0.0094	0.070	±	0.0095
Okayama, OKAYAMA	29	31.5	0.013	±	0.0074	0.028	±	0.0092
Hiroshima, HIROSHIMA	29	22.5	0.000	±	0.013	0.011	±	0.0085
Yamaguchi, YAMAGUCHI	30	47.0	0.017	±	0.021	0.013	±	0.0089
Ishii-machi, TOKUSHIMA	28	21.7	0.036	±	0.0097	0.17	±	0.017
Takamatsu, KAGAWA	29	23.5	0.015	±	0.0083	0.030	±	0.0097
Matsuyama, EHIME	28	46.5	0.025	±	0.013	0.037	±	0.010
Kochi, KOCHI	29	53.1	0.035	±	0.024	0.029	±	0.010
Dazaifu, FUKUOKA	29	54.8	0.045	±	0.016	0.012	±	0.0088
Saga, SAGA	29	45.9	0.032	±	0.014	0.0063	±	0.0091
Nagasaki, NAGASAKI	29	94.0	0.014	±	0.013	0.031	±	0.0092
Uto, KUMAMOTO	29	53.0	0.0000	±	0.0064	0.012	±	0.0083
Oita, OITA	29	100.0	0.0000	±	0.0094	0.0000	±	0.0085
Miyazaki, MIYAZAKI	29	204.8	0.027	±	0.011	0.064	±	0.011
Kagoshima, KAGOSHIMA	28	97.0	0.028	±	0.013	0.023	±	0.010
Yonashiro-machi, OKINAWA	28	144.5	0.0062	±	0.0075	0.032	±	0.012
May 2001								
Sapporo, HOKKAIDO	31	21.0	0.019	±	0.0081	0.034	±	0.010
Aomori, AOMORI	31	88.7	0.039	±	0.014	0.088	±	0.013
Morioka, IWATE	31	95.6	0.001	±	0.012	0.044	±	0.0099
Onagawa-machi, MIYAGI	30	66	0.022	±	0.011	0.048	±	0.010
Akita, AKITA	31	115.5	0.052	±	0.017	0.041	±	0.010
Yamagata, YAMAGATA	31	37.7	0.012	±	0.0073	0.040	±	0.010
Okuma-machi, FUKUSHIMA	31	84.0	0.022	±	0.015	0.058	±	0.012
Mito, IBARAKI	31	125.5	0.021	±	0.013	0.046	±	0.0099
Kawachi-machi, TOCHIGI	31	122.0	0.024	±	0.013	0.043	±	0.011
Maebashi, GUNMA	36	123.5	0.017	±	0.011	0.026	±	0.0090
Saitama, SAITAMA	31	133.2	0.0075	±	0.0055	0.018	±	0.0072
Chiba, CHIBA	30	161.5	0.037	±	0.0077	0.088	±	0.014
Ichihara, CHIBA	31	133.5	0.000	±	0.012	0.034	±	0.0096
Shinjuku, TOKYO	31	204.9	0.035	±	0.010	0.033	±	0.0094
Yokohama, KANAGAWA	35	224.9	0.018	±	0.015	0.026	±	0.0090

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Niigata, NIIGATA	31	31.35	0.039	±	0.014	0.029	±	0.0097
Kosugi-machi, TOYAMA	30	94.1	0.015	±	0.016	0.032	±	0.011
Kanazawa, ISHIKAWA	34	46.0	0.024	±	0.010	0.027	±	0.011
Fukui, FUKUI	30	86.0	0.054	±	0.038	0.016	±	0.041
Kofu, YAMANASHI	31	148.0	0.007	±	0.012	0.021	±	0.011
Nagano, NAGANO	30	67.6	0.013	±	0.014	0.0098	±	0.0089
Kakamigahara, GIFU	31	145.4	0.024	±	0.013	0.020	±	0.0098
Shizuoka, SHIZUOKA	30	119.0	0.006	±	0.012	0.092	±	0.013
Nagoya, AICHI	35	129.8	0.080	±	0.024	0.066	±	0.012
Yokkaichi, MIE	31	236.5	0.019	±	0.0091	0.031	±	0.010
Otsu, SHIGA	31	155.4	0.000	±	0.014	0.019	±	0.0086
Kyoto, KYOTO	32	126.5	0.061	±	0.012	0.032	±	0.0096
Osaka, OSAKA	31	94.22	0.000	±	0.020	0.011	±	0.0099
Kobe, HYOGO	34	103.1	0.011	±	0.014	0.011	±	0.0085
Nara, NARA	31	147.1	0.031	±	0.010	0.028	±	0.0093
Wakayama, WAKAYAMA	31	123.5	0.041	±	0.010	0.023	±	0.0099
Tottori, TOTTORI	31	125.94	0.072	±	0.011	0.084	±	0.013
Matsue, SHIMANE	31	183.0	0.000	±	0.010	0.038	±	0.0079
Okayama, OKAYAMA	31	163.0	0.025	±	0.0082	0.021	±	0.0088
Hiroshima, HIROSHIMA	31	180.5	0.000	±	0.016	0.0036	±	0.0096
Yamaguchi, YAMAGUCHI	31	219.5	0.002	±	0.022	0.027	±	0.011
Ishii-machi, TOKUSHIMA	29	146.6	0.056	±	0.011	0.19	±	0.019
Takamatsu, KAGAWA	31	78.5	0.0067	±	0.0091	0.023	±	0.0092
Matsuyama, EHIME	31	136.5	0.001	±	0.011	0.019	±	0.0090
Kochi, KOCHI	30	473.4	0.017	±	0.0074	0.061	±	0.012
Dazaifu, FUKUOKA	31	113.6	0.006	±	0.014	0.020	±	0.0092
Saga, SAGA	31	65.6	0.036	±	0.0095	0.042	±	0.011
Nagasaki, NAGASAKI	31	50.0	0.012	±	0.013	0.027	±	0.0090
Uto, KUMAMOTO	31	58.7	0.0000	±	0.0063	0.022	±	0.0091
Oita, OITA	31	164.0	0.011	±	0.011	0.0000	±	0.0083
Miyazaki, MIYAZAKI	31	380.4	0.048	±	0.013	0.056	±	0.011
Kagoshima, KAGOSHIMA	34	115.5	0.041	±	0.016	0.024	±	0.011
Yonashiro-machi, OKINAWA	30	419.5	0.010	±	0.0079	0.0000	±	0.0091

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Jun. 2001								
Sapporo, HOKKAIDO	31	48.0	0.021	±	0.0073	0.0096	±	0.0088
Aomori, AOMORI	31	110.3	0.008	±	0.012	0.0017	±	0.0079
Morioka, IWATE	14	20.4	0.000	±	0.011	0.0000	±	0.0077
Onagawa-machi, MIYAGI	32	136	0.011	±	0.011	0.0054	±	0.0072
Akita, AKITA	31	135.5	0.007	±	0.012	0.018	±	0.0092
Yamagata, YAMAGATA	31	180.9	0.023	±	0.0081	0.0041	±	0.0085
Okuma-machi, FUKUSHIMA	31	156.5	0.021	±	0.019	0.0000	±	0.0090
Mito, IBARAKI	31	143.5	0.0000	±	0.0066	0.0000	±	0.0083
Kawachi-machi, TOCHIGI	31	137	0.021	±	0.013	0.0065	±	0.0086
Maebashi, GUNMA	26	167.0	0.010	±	0.012	0.0087	±	0.0076
Saitama, SAITAMA	31	114.1	0.025	±	0.0065	0.0052	±	0.0059
Chiba, CHIBA	31	121.3	0.015	±	0.0065	0.0000	±	0.0096
Ichihara, CHIBA	31	139.3	0.006	±	0.015	0.019	±	0.0089
Shinjuku, TOKYO	31	121	0.029	±	0.011	0.017	±	0.0086
Yokohama, KANAGAWA	28	132.9	0.000	±	0.018	0.011	±	0.0082
Niigata, NIIGATA	31	228.89	0.013	±	0.012	0.016	±	0.0090
Kosugi-machi, TOYAMA	32	261.0	0.000	±	0.012	0.0000	±	0.0090
Kanazawa, ISHIKAWA	32	276.0	0.0085	±	0.0080	0.019	±	0.0090
Fukui, FUKUI	26	313.6	0.000	±	0.058	0.012	±	0.040
Kofu, YAMANASHI	31	109.5	0.0091	±	0.0072	0.0000	±	0.0088
Nagano, NAGANO	31	167.0	0.009	±	0.015	0.0060	±	0.0085
Kakamigahara, GIFU	31	207.6	0.0045	±	0.0073	0.0018	±	0.0075
Shizuoka, SHIZUOKA	31	200.5	0.027	±	0.015	0.17	±	0.016
Nagoya, AICHI	32	196.1	0.009	±	0.014	0.031	±	0.0099
Yokkaichi, MIE	31	313.5	0.010	±	0.011	0.0018	±	0.0082
Otsu, SHIGA	31	227.2	0.027	±	0.010	0.0036	±	0.0075
Kyoto, KYOTO	35	185.0	0.026	±	0.0082	0.010	±	0.0094
Osaka, OSAKA	31	130.13	0.013	±	0.015	0.025	±	0.011
Kobe, HYOGO	29	125.1	0.0035	±	0.0087	0.0006	±	0.0076
Nara, NARA	31	288.9	0.014	±	0.0083	0.0012	±	0.0074
Wakayama, WAKAYAMA	31	181.5	0.035	±	0.010	0.0000	±	0.0082
Tottori, TOTTORI	31	210.24	0.068	±	0.0099	0.085	±	0.013
Matsue, SHIMANE	31	300.0	0.0006	±	0.0063	0.0088	±	0.0065

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Okayama, OKAYAMA	31	239.5	0.012	±	0.011	0.011	±	0.0081
Hiroshima, HIROSHIMA	28	332.5	0.000	±	0.051	0.000	±	0.046
Yamaguchi, YAMAGUCHI	30	512.5	0.0000	±	0.0058	0.0077	±	0.0095
Ishii-machi, TOKUSHIMA	34	169.8	0.025	±	0.0078	0.015	±	0.0099
Takamatsu, KAGAWA	31	152.0	0.007	±	0.014	0.0000	±	0.0064
Matsuyama, EHIME	31	388.0	0.011	±	0.012	0.0063	±	0.0082
Kochi, KOCHI	32	187.2	0.0000	±	0.0049	0.051	±	0.011
Dazaifu, FUKUOKA	31	602.1	0.020	±	0.020	0.0080	±	0.0089
Saga, SAGA	31	326.3	0.028	±	0.0090	0.0000	±	0.0081
Nagasaki, NAGASAKI	31	244.0	0.012	±	0.013	0.023	±	0.0088
Uto, KUMAMOTO	31	377.9	0.012	±	0.012	0.0038	±	0.0085
Oita, OITA	31	325.5	0.0075	±	0.0079	0.0012	±	0.0076
Miyazaki, MIYAZAKI	31	450.1	0.036	±	0.015	0.028	±	0.0091
Kagoshima, KAGOSHIMA	29	214.5	0.014	±	0.013	0.0000	±	0.0084
Yonashiro-machi, OKINAWA	33	124.0	0.013	±	0.011	0.000	±	0.011
Jul. 2001								
Sapporo, HOKKAIDO	30	104.0	0.053	±	0.015	0.016	±	0.0090
Aomori, AOMORI	30	177.4	0.000	±	0.011	0.017	±	0.0093
Morioka, IWATE	33	234.3	0.000	±	0.012	0.020	±	0.0088
Onagawa-machi, MIYAGI	30	82.5	0.000	±	0.011	0.0066	±	0.0074
Akita, AKITA	30	303.4	0.015	±	0.013	0.022	±	0.0098
Yamagata, YAMAGATA	30	147.2	0.017	±	0.0080	0.012	±	0.0092
Okuma-machi, FUKUSHIMA	30	90.0	0.002	±	0.011	0.0000	±	0.0080
Mito, IBARAKI	30	44.0	0.0022	±	0.0082	0.0047	±	0.0076
Kawachi-machi, TOCHIGI	30	147.2	0.014	±	0.013	0.0000	±	0.0080
Maebashi, GUNMA	31	124.5	0.010	±	0.0082	0.022	±	0.0089
Saitama, SAITAMA	30	51.4	0.017	±	0.0058	0.013	±	0.0063
Chiba, CHIBA	30	1.8	0.015	±	0.0068	0.0012	±	0.0084
Ichihara, CHIBA	30	0.6	0.014	±	0.015	0.020	±	0.0093
Shinjuku, TOKYO	30	116	0.021	±	0.019	0.0026	±	0.0090
Yokohama, KANAGAWA	32	50.1	0.027	±	0.017	0.018	±	0.0084
Niigata, NIIGATA	30	31.65	0.031	±	0.014	0.0080	±	0.0084
Kosugi-machi, TOYAMA	30	81.7	0.000	±	0.012	0.0000	±	0.0091
Kanazawa, ISHIKAWA	30	68.5	0.025	±	0.0071	0.0048	±	0.0081

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Fukui, FUKUI	37	114.9	0.000	±	0.067	0.000	±	0.037
Kofu, YAMANASHI	30	38.5	0.0000	±	0.0061	0.0000	±	0.0080
Nagano, NAGANO	30	54.0	0.029	±	0.018	0.0000	±	0.0082
Kakamigahara, GIFU	30	109.2	0.003	±	0.014	0.0053	±	0.0077
Shizuoka, SHIZUOKA	30	27.5	0.0045	±	0.0073	0.069	±	0.012
Nagoya, AICHI	29	20.30	0.000	±	0.016	0.029	±	0.010
Yokkaichi, MIE	30	137.0	0.032	±	0.0077	0.0062	±	0.0084
Otsu, SHIGA	30	58.4	0.004	±	0.016	0.0000	±	0.0078
Kyoto, KYOTO	29	57.0	0.024	±	0.0075	0.022	±	0.010
Osaka, OSAKA	30	39.99	0.013	±	0.011	0.0088	±	0.0086
Kobe, HYOGO	32	36.6	0.0000	±	0.0068	0.0089	±	0.0077
Nara, NARA	30	80.5	0.038	±	0.010	0.0000	±	0.0072
Wakayama, WAKAYAMA	30	94.0	0.049	±	0.013	0.0000	±	0.0081
Tottori, TOTTORI	30	73.22	0.15	±	0.015	0.034	±	0.010
Matsue, SHIMANE	30	108.7	0.011	±	0.0072	0.031	±	0.0078
Okayama, OKAYAMA	30	50.9	0.0085	±	0.0082	0.0065	±	0.0073
Hiroshima, HIROSHIMA	33	151.6	0.028	±	0.015	0.0000	±	0.0073
Yamaguchi, YAMAGUCHI	31	248.5	0.026	±	0.011	0.0039	±	0.0083
Ishii-machi, TOKUSHIMA	29	179.4	0.0076	±	0.0069	0.0043	±	0.0093
Takamatsu, KAGAWA	30	72.0	0.000	±	0.018	0.0047	±	0.0084
Matsuyama, EHIME	30	151.5	0.020	±	0.010	0.0047	±	0.0067
Kochi, KOCHI	30	228.3	0.061	±	0.011	0.076	±	0.012
Dazaifu, FUKUOKA	30	332.8	0.023	±	0.014	0.0000	±	0.0080
Saga, SAGA	30	402.5	0.0000	±	0.0064	0.0000	±	0.0088
Nagasaki, NAGASAKI	30	280.5	0.003	±	0.013	0.0000	±	0.0070
Uto, KUMAMOTO	30	387.0	0.0088	±	0.0076	0.0000	±	0.0070
Oita, OITA	30	125.0	0.004	±	0.011	0.0000	±	0.0070
Miyazaki, MIYAZAKI	30	146.8	0.012	±	0.0064	0.0029	±	0.0084
Kagoshima, KAGOSHIMA	32	163	0.018	±	0.0077	0.0000	±	0.0079
Yonashiro-machi, OKINAWA	29	65.5	0.022	±	0.011	0.0000	±	0.0099
Aug. 2001								
Sapporo, HOKKAIDO	30	130.5	0.016	±	0.014	0.0075	±	0.0093
Aomori, AOMORI	33	82.7	0.017	±	0.0074	0.0000	±	0.0080
Morioka, IWATE	33	132.7	0.004	±	0.011	0.0000	±	0.0075

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Onagawa-machi, MIYAGI	33	131.0	0.011	±	0.013	0.0030	±	0.0070
Akita, AKITA	33	98.1	0.040	±	0.015	0.0000	±	0.0074
Yamagata, YAMAGATA	32	185.9	0.000	±	0.011	0.0026	±	0.0093
Okuma-machi, FUKUSHIMA	33	130.5	0.0000	±	0.0092	0.000	±	0.020
Mito, IBARAKI	33	74.0	0.030	±	0.014	0.013	±	0.0078
Kawachi-machi, TOCHIGI	33	230.2	0.010	±	0.013	0.0000	±	0.0081
Saitama, SAITAMA	33	163.9	0.0044	±	0.0050	0.0043	±	0.0057
Chiba, CHIBA	33	93.0	0.019	±	0.0073	0.0013	±	0.0097
Ichihara, CHIBA	33	89.2	0.002	±	0.011	0.0000	±	0.0080
Shinjuku, TOKYO	33	188	0.011	±	0.018	0.0039	±	0.0090
Yokohama, KANAGAWA	31	143.0	0.027	±	0.0087	0.013	±	0.0096
Niigata, NIIGATA	33	173.89	0.015	±	0.012	0.010	±	0.0083
Kosugi-machi, TOYAMA	30	149.5	0.000	±	0.012	0.011	±	0.0097
Kanazawa, ISHIKAWA	30	167.5	0.014	±	0.0067	0.0000	±	0.0073
Fukui, FUKUI	27	174.8	0.000	±	0.062	0.000	±	0.040
Kofu, YAMANASHI	33	257.0	0.011	±	0.0078	0.0000	±	0.0077
Nagano, NAGANO	33	139.9	0.016	±	0.0079	0.0000	±	0.0077
Kakamigahara, GIFU	33	173.0	0.000	±	0.012	0.0024	±	0.0083
Shizuoka, SHIZUOKA	32	263.0	0.016	±	0.0088	0.029	±	0.0098
Nagoya, AICHI	33	512.9	0.036	±	0.013	0.035	±	0.012
Yokkaichi, MIE	30	408.5	0.030	±	0.012	0.0036	±	0.0080
Otsu, SHIGA	33	183.4	0.000	±	0.015	0.0000	±	0.0075
Kyoto, KYOTO	30	159.5	0.025	±	0.0083	0.021	±	0.010
Osaka, OSAKA	34	108.4	0.008	±	0.023	0.021	±	0.011
Kobe, HYOGO	31	37.8	0.021	±	0.014	0.015	±	0.0079
Nara, NARA	33	193.8	0.028	±	0.014	0.0000	±	0.0081
Wakayama, WAKAYAMA	33	93.0	0.013	±	0.0087	0.0037	±	0.0091
Tottori, TOTTORI	33	176.38	0.070	±	0.012	0.0030	±	0.0079
Matsue, SHIMANE	33	138.5	0.034	±	0.0095	0.065	±	0.0090
Okayama, OKAYAMA	33	90.8	0.046	±	0.013	0.0076	±	0.0073
Hiroshima, HIROSHIMA	33	63.3	0.001	±	0.012	0.0071	±	0.0093
Yamaguchi, YAMAGUCHI	31	65.0	0.017	±	0.018	0.013	±	0.0085
Ishii-machi, TOKUSHIMA	33	83.2	0.026	±	0.0088	0.0091	±	0.0095
Takamatsu, KAGAWA	33	132.0	0.020	±	0.014	0.0098	±	0.0093

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Matsuyama, EHIME	33	123.0	0.012	±	0.0081	0.018	±	0.0077
Kochi, KOCHI	30	178.1	0.021	±	0.015	0.016	±	0.0082
Dazaifu, FUKUOKA	33	145.1	0.018	±	0.013	0.0000	±	0.0072
Saga, SAGA	33	219.7	0.020	±	0.0080	0.0023	±	0.0081
Nagasaki, NAGASAKI	33	99.0	0.024	±	0.0086	0.0023	±	0.0077
Uto, KUMAMOTO	33	66.1	0.020	±	0.0081	0.0094	±	0.0090
Oita, OITA	33	254.5	0.0077	±	0.0081	0.0089	±	0.0086
Miyazaki, MIYAZAKI	33	263.6	0.035	±	0.016	0.0087	±	0.0089
Kagoshima, KAGOSHIMA	31	71.5	0.037	±	0.0096	0.0096	±	0.0086
Yonashiro-machi, OKINAWA	33	74.5	0.0012	±	0.0094	0.0000	±	0.0097
Sep. 2001								
Sapporo, HOKKAIDO	31	228.0	0.014	±	0.012	0.0090	±	0.0098
Aomori, AOMORI	28	171.2	0.031	±	0.0081	0.0000	±	0.0088
Morioka, IWATE	28	139.3	0.004	±	0.011	0.0000	±	0.0080
Onagawa-machi, MIYAGI	28	78.0	0.0000	±	0.0065	0.0000	±	0.0082
Akita, AKITA	28	152.1	0.030	±	0.014	0.015	±	0.010
Yamagata, YAMAGATA	29	87.3	0.011	±	0.014	0.0000	±	0.0086
Okuma-machi, FUKUSHIMA	28	220.5	0.0037	±	0.0060	0.0000	±	0.0073
Mito, IBARAKI	28	180.5	0.008	±	0.012	0.021	±	0.0096
Kawachi-machi, TOCHIGI	28	185.5	0.020	±	0.0085	0.0000	±	0.0069
Maebashi, GUNMA	31	198.0	0.043	±	0.010	0.017	±	0.0082
Saitama, SAITAMA	28	202.1	0.012	±	0.0052	0.0000	±	0.0053
Chiba, CHIBA	28	212.6	0.014	±	0.0071	0.0000	±	0.0079
Ichihara, CHIBA	28	230.0	0.033	±	0.015	0.0000	±	0.0067
Shinjuku, TOKYO	28	286.9	0.012	±	0.015	0.0000	±	0.0091
Yokohama, KANAGAWA	31	339.0	0.013	±	0.0070	0.026	±	0.010
Niigata, NIIGATA	28	123.99	0.032	±	0.013	0.0066	±	0.0080
Kosugi-machi, TOYAMA	31	212.3	0.000	±	0.012	0.0000	±	0.0090
Kanazawa, ISHIKAWA	30	213.0	0.018	±	0.0072	0.0000	±	0.0080
Fukui, FUKUI	27	244.3	0.000	±	0.053	0.000	±	0.047
Kofu, YAMANASHI	28	74.5	0.0069	±	0.0075	0.0000	±	0.0073
Nagano, NAGANO	29	119.8	0.0048	±	0.0074	0.0000	±	0.0081
Kakamigahara, GIFU	28	186.9	0.017	±	0.0077	0.0000	±	0.0075
Shizuoka, SHIZUOKA	29	522	0.016	±	0.0083	0.019	±	0.0097

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Nagoya, AICHI	28	183.3	0.028	±	0.013	0.0051	±	0.0094
Yokkaichi, MIE	31	303.5	0.004	±	0.013	0.0000	±	0.0090
Otsu, SHIGA	28	94.6	0.0039	±	0.0088	0.0000	±	0.0081
Kyoto, KYOTO	32	179.0	0.021	±	0.0083	0.0082	±	0.0087
Osaka, OSAKA	27	200.71	0.040	±	0.024	0.0000	±	0.0094
Kobe, HYOGO	28	92.1	0.000	±	0.013	0.0000	±	0.0073
Nara, NARA	28	161.7	0.060	±	0.013	0.0000	±	0.0081
Wakayama, WAKAYAMA	30	277.5	0.011	±	0.034	0.0000	±	0.0088
Tottori, TOTTORI	28	283.3	0.047	±	0.011	0.012	±	0.0091
Matsue, SHIMANE	28	291.7	0.0091	±	0.0047	0.030	±	0.0070
Okayama, OKAYAMA	28	111.9	0.0060	±	0.0092	0.0089	±	0.0075
Hiroshima, HIROSHIMA	28	148.1	0.015	±	0.013	0.0000	±	0.0088
Yamaguchi, YAMAGUCHI	30	163.5	0.000	±	0.012	0.0000	±	0.0081
Ishii-machi, TOKUSHIMA	29	277.6	0.011	±	0.012	0.0027	±	0.0093
Takamatsu, KAGAWA	28	88.5	0.027	±	0.0098	0.020	±	0.0099
Matsuyama, EHIME	28	46.5	0.020	±	0.0095	0.0085	±	0.0072
Kochi, KOCHI	31	373.2	0.065	±	0.010	0.0041	±	0.0089
Dazaifu, FUKUOKA	28	133.1	0.016	±	0.014	0.0006	±	0.0079
Saga, SAGA	28	227.7	0.020	±	0.0089	0.0000	±	0.0081
Nagasaki, NAGASAKI	28	191.5	0.014	±	0.0079	0.0000	±	0.0074
Uto, KUMAMOTO	28	77.5	0.011	±	0.0097	0.0000	±	0.0067
Oita, OITA	28	158.5	0.022	±	0.0087	0.0012	±	0.0076
Miyazaki, MIYAZAKI	28	613.1	0.000	±	0.014	0.0098	±	0.0089
Kagoshima, KAGOSHIMA	28	457.5	0.0091	±	0.0076	0.0049	±	0.0085
Yonashiro-machi, OKINAWA	28	727.5	0.019	±	0.0099	0.031	±	0.011
Oct. 2001								
Sapporo, HOKKAIDO	31	96.5	0.0000	±	0.0084	0.020	±	0.0093
Aomori, AOMORI	32	93.6	0.016	±	0.0076	0.0000	±	0.0081
Morioka, IWATE	31	100.6	0.0060	±	0.0080	0.0051	±	0.0084
Onagawa-machi, MIYAGI	31	122.5	0.0000	±	0.0064	0.0052	±	0.0083
Akita, AKITA	31	137.2	0.014	±	0.0079	0.013	±	0.0088
Yamagata, YAMAGATA	31	79.3	0.013	±	0.0089	0.016	±	0.0083
Okuma-machi, FUKUSHIMA	31	308.5	0.000	±	0.011	0.0006	±	0.0081
Mito, IBARAKI	31	271.5	0.018	±	0.0088	0.026	±	0.0092

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Kawachi-machi, TOCHIGI	30	219.1	0.012	±	0.0085	0.0013	±	0.0078
Maebashi, GUNMA	31	177.5	0.013	±	0.0085	0.0030	±	0.0073
Saitama, SAITAMA	29	259.1	0.0057	±	0.0057	0.018	±	0.0063
Chiba, CHIBA	31	360.0	0.025	±	0.0082	0.0000	±	0.0078
Ichihara, CHIBA	31	241.5	0.015	±	0.014	0.014	±	0.0092
Shinjuku, TOKYO	31	227.0	0.008	±	0.016	0.004	±	0.011
Yokohama, KANAGAWA	31	325.6	0.0000	±	0.0062	0.0034	±	0.0089
Niigata, NIIGATA	31	94.53	0.049	±	0.0099	0.0018	±	0.0086
Kosugi-machi, TOYAMA	31	144.0	0.021	±	0.012	0.0000	±	0.0079
Kanazawa, ISHIKAWA	31	192.5	0.005	±	0.012	0.000	±	0.011
Fukui, FUKUI	31	145.7	0.070	±	0.036	0.000	±	0.040
Kofu, YAMANASHI	32	182.0	0.019	±	0.0071	0.0000	±	0.0081
Nagano, NAGANO	30	79.4	0.0079	±	0.0078	0.0000	±	0.0079
Kakamigahara, GIFU	31	162.4	0.019	±	0.0099	0.0000	±	0.0083
Shizuoka, SHIZUOKA	31	315.5	0.0000	±	0.0071	0.0047	±	0.0094
Nagoya, AICHI	30	128.4	0.020	±	0.011	0.0024	±	0.0088
Yokkaichi, MIE	31	206.0	0.017	±	0.0083	0.0000	±	0.0076
Otsu, SHIGA	31	195.0	0.0004	±	0.0078	0.0095	±	0.0085
Kyoto, KYOTO	31	103.0	0.026	±	0.0086	0.0032	±	0.0084
Osaka, OSAKA	31	129.85	0.059	±	0.033	0.0000	±	0.0087
Kobe, HYOGO	33	164.0	0.006	±	0.016	0.0000	±	0.0093
Nara, NARA	31	231.2	0.028	±	0.016	0.0000	±	0.0085
Wakayama, WAKAYAMA	30	305.0	0.016	±	0.010	0.0028	±	0.0096
Tottori, TOTTORI	31	170.2	0.056	±	0.011	0.0033	±	0.0095
Matsue, SHIMANE	31	189.4	0.0008	±	0.0045	0.0052	±	0.0052
Okayama, OKAYAMA	31	229.1	0.011	±	0.0074	0.0000	±	0.0070
Hiroshima, HIROSHIMA	31	259.5	0.020	±	0.010	0.0047	±	0.0067
Yamaguchi, YAMAGUCHI	31	156.0	0.075	±	0.033	0.0000	±	0.0096
Ishii-machi, TOKUSHIMA	23	325.7	0.0060	±	0.0093	0.0035	±	0.0082
Takamatsu, KAGAWA	31	145.0	0.0000	±	0.0081	0.0024	±	0.0083
Matsuyama, EHIME	31	202.5	0.0000	±	0.0066	0.017	±	0.0090
Kochi, KOCHI	32	487.6	0.024	±	0.0094	0.0006	±	0.0073
Dazaifu, FUKUOKA	31	101.6	0.0024	±	0.0090	0.0018	±	0.0079
Saga, SAGA	31	181.1	0.0000	±	0.0071	0.011	±	0.0082

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Nagasaki, NAGASAKI	31	221.0	0.022	±	0.0076	0.0000	±	0.0067
Uto, KUMAMOTO	31	221.0	0.0057	±	0.0083	0.0000	±	0.0093
Oita, OITA	31	165.0	0.014	±	0.0091	0.0000	±	0.0076
Miyazaki, MIYAZAKI	31	811.1	0.0097	±	0.0088	0.0084	±	0.0082
Kagoshima, KAGOSHIMA	33	259.5	0.0084	±	0.0085	0.013	±	0.0094
Yonashiro-machi, OKINAWA	31	18.0	0.011	±	0.011	0.013	±	0.010
Nov. 2001								
Sapporo, HOKKAIDO	29	50.5	0.030	±	0.010	0.0097	±	0.0087
Aomori, AOMORI	31	103.2	0.029	±	0.011	0.0000	±	0.0081
Morioka, IWATE	32	60.8	0.0053	±	0.0082	0.013	±	0.0084
Onagawa-machi, MIYAGI	32	36.5	0.000	±	0.011	0.0000	±	0.0077
Akita, AKITA	32	162.2	0.0000	±	0.0072	0.018	±	0.0091
Yamagata, YAMAGATA	32	61.0	0.011	±	0.0075	0.013	±	0.0092
Okuma-machi, FUKUSHIMA	32	29.5	0.0080	±	0.0065	0.0017	±	0.0083
Mito, IBARAKI	32	46.5	0.014	±	0.013	0.020	±	0.0089
Kawachi-machi, TOCHIGI	33	66.1	0.028	±	0.0085	0.0006	±	0.0082
Maebashi, GUNMA	29	32	0.0000	±	0.0065	0.0060	±	0.0086
Saitama, SAITAMA	34	128.9	0.0045	±	0.0061	0.0075	±	0.0055
Chiba, CHIBA	32	109.9	0.032	±	0.0084	0.0000	±	0.0079
Ichihara, CHIBA	32	124.6	0.029	±	0.017	0.0006	±	0.0091
Shinjuku, TOKYO	32	129	0.007	±	0.015	0.0019	±	0.0085
Yokohama, KANAGAWA	29	152.7	0.0072	±	0.0076	0.0058	±	0.0093
Niigata, NIIGATA	32	227.55	0.037	±	0.010	0.012	±	0.0091
Kosugi-machi, TOYAMA	29	194.0	0.0064	±	0.0087	0.0000	±	0.0077
Kanazawa, ISHIKAWA	30	257.0	0.0000	±	0.0091	0.0058	±	0.0073
Fukui, FUKUI	33	190.9	0.044	±	0.036	0.036	±	0.047
Kofu, YAMANASHI	32	59.5	0.011	±	0.0070	0.0000	±	0.0089
Nagano, NAGANO	32	39.1	0.020	±	0.020	0.000	±	0.014
Kakamigahara, GIFU	32	49.6	0.0073	±	0.0080	0.0000	±	0.0095
Shizuoka, SHIZUOKA	32	149.0	0.0000	±	0.0068	0.0062	±	0.0099
Nagoya, AICHI	33	51.0	0.025	±	0.012	0.011	±	0.0091
Yokkaichi, MIE	29	54.0	0.0056	±	0.0072	0.0000	±	0.0096
Otsu, SHIGA	32	33.6	0.014	±	0.0085	0.012	±	0.0078
Kyoto, KYOTO	31	32.0	0.050	±	0.010	0.0000	±	0.0084

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Osaka, OSAKA	29	40.25	0.018	±	0.014	0.0000	±	0.0096
Kobe, HYOGO	30	38.0	0.006	±	0.011	0.0042	±	0.0094
Nara, NARA	32	95.4	0.029	±	0.013	0.0000	±	0.0082
Wakayama, WAKAYAMA	31	54.0	0.067	±	0.017	0.0000	±	0.0086
Tottori, TOTTORI	32	231.8	0.044	±	0.0095	0.011	±	0.0090
Okayama, OKAYAMA	32	50.5	0.0048	±	0.0073	0.0037	±	0.0082
Hiroshima, HIROSHIMA	32	69.5	0.012	±	0.0088	0.0012	±	0.0065
Yamaguchi, YAMAGUCHI	30	78.5	0.034	±	0.011	0.0000	±	0.0081
Ishii-machi, TOKUSHIMA	40	43.3	0.004	±	0.010	0.0000	±	0.0084
Takamatsu, KAGAWA	32	40.5	0.027	±	0.0098	0.0000	±	0.0078
Matsuyama, EHIME	32	80.0	0.0082	±	0.0075	0.0000	±	0.0077
Kochi, KOCHI	31	60.2	0.069	±	0.021	0.000	±	0.015
Dazaifu, FUKUOKA	32	137.5	0.0000	±	0.0068	0.0057	±	0.0071
Saga, SAGA	32	107.7	0.0000	±	0.0075	0.0000	±	0.0076
Nagasaki, NAGASAKI	32	77.0	0.000	±	0.013	0.0081	±	0.0076
Uto, KUMAMOTO	32	147.3	0.011	±	0.0064	0.0000	±	0.0081
Oita, OITA	32	85.0	0.030	±	0.011	0.0036	±	0.0077
Miyazaki, MIYAZAKI	32	65.3	0.0036	±	0.0079	0.011	±	0.0085
Kagoshima, KAGOSHIMA	30	40.5	0.0009	±	0.0082	0.014	±	0.0085
Yonashiro-machi, OKINAWA	32	19.5	0.018	±	0.012	0.016	±	0.012
Dec. 2001								
Sapporo, HOKKAIDO	28	111.5	0.033	±	0.015	0.0000	±	0.0080
Aomori, AOMORI	32	96.8	0.012	±	0.0099	0.035	±	0.012
Morioka, IWATE	32	38.8	0.014	±	0.011	0.002	±	0.010
Onagawa-machi, MIYAGI	32	21.5	0.000	±	0.011	0.0000	±	0.0075
Akita, AKITA	32	76.0	0.015	±	0.0083	0.016	±	0.0090
Yamagata, YAMAGATA	32	60.6	0.013	±	0.011	0.022	±	0.0093
Okuma-machi, FUKUSHIMA	32	15.0	0.0066	±	0.0069	0.0000	±	0.0087
Mito, IBARAKI	32	34.5	0.011	±	0.0089	0.053	±	0.010
Kawachi-machi, TOCHIGI	24	15.0	0.0033	±	0.0068	0.0000	±	0.0079
Maebashi, GUNMA	35	7	0.0004	±	0.0076	0.021	±	0.0091
Saitama, SAITAMA	32	18.7	0.013	±	0.0081	0.016	±	0.0066
Chiba, CHIBA	32	46.0	0.013	±	0.0072	0.0000	±	0.0081
Ichihara, CHIBA	32	46.4	0.023	±	0.016	0.0075	±	0.0089

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Shinjuku, TOKYO	32	28.6	0.0087	±	0.0074	0.0000	±	0.0089
Yokohama, KANAGAWA	28	41.5	0.0054	±	0.0076	0.0000	±	0.0084
Niigata, NIIGATA	32	211.53	0.019	±	0.0093	0.045	±	0.011
Kosugi-machi, TOYAMA	27	141.2	0.016	±	0.0080	0.017	±	0.0091
Kanazawa, ISHIKAWA	31	216.0	0.027	±	0.010	0.045	±	0.010
Fukui, FUKUI	24	177.4	0.038	±	0.041	0.026	±	0.046
Kofu, YAMANASHI	31	17.0	0.0078	±	0.0063	0.0000	±	0.0086
Nagano, NAGANO	32	55.4	0.014	±	0.0087	0.0000	±	0.0077
Kakamigahara, GIFU	32	99.5	0.015	±	0.0074	0.0000	±	0.0087
Shizuoka, SHIZUOKA	32	53.0	0.0045	±	0.0076	0.064	±	0.012
Nagoya, AICHI	32	35.6	0.032	±	0.015	0.0000	±	0.0087
Yokkaichi, MIE	28	39.0	0.0099	±	0.0075	0.0000	±	0.0076
Otsu, SHIGA	32	36.2	0.0000	±	0.0077	0.0000	±	0.0073
Kyoto, KYOTO	25	26.5	0.011	±	0.0090	0.0000	±	0.0084
Osaka, OSAKA	35	27.92	0.000	±	0.015	0.0000	±	0.0079
Kobe, HYOGO	28	22.3	0.018	±	0.0086	0.0054	±	0.0073
Nara, NARA	32	56.5	0.025	±	0.012	0.0000	±	0.0078
Wakayama, WAKAYAMA	32	43.0	0.022	±	0.016	0.010	±	0.0091
Tottori, TOTTORI	32	312.12	0.11	±	0.022	0.17	±	0.022
Okayama, OKAYAMA	32	40.2	0.010	±	0.0076	0.0000	±	0.0080
Hiroshima, HIROSHIMA	32	50.84	0.0086	±	0.0081	0.0000	±	0.0078
Yamaguchi, YAMAGUCHI	34	77.5	0.000	±	0.020	0.029	±	0.013
Ishii-machi, TOKUSHIMA	34	33.8	0.031	±	0.014	0.022	±	0.0099
Takamatsu, KAGAWA	32	28.0	0.011	±	0.0082	0.0077	±	0.0084
Matsuyama, EHIME	32	37.5	0.0017	±	0.0074	0.0000	±	0.0076
Kochi, KOCHI	32	62.3	0.011	±	0.0099	0.0018	±	0.0072
Dazaifu, FUKUOKA	32	70.0	0.0000	±	0.0075	0.028	±	0.0088
Saga, SAGA	32	58.1	0.0048	±	0.0081	0.0012	±	0.0080
Uto, KUMAMOTO	32	51.6	0.009	±	0.012	0.012	±	0.0079
Oita, OITA	32	23.5	0.021	±	0.0089	0.013	±	0.0082
Miyazaki, MIYAZAKI	32	56.6	0.011	±	0.0098	0.0000	±	0.0074
Kagoshima, KAGOSHIMA	28	75.0	0.016	±	0.0092	0.016	±	0.0087
Yonashiro-machi, OKINAWA	35	125.5	0.003	±	0.018	0.000	±	0.010

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Jan. 2002								
Sapporo, HOKKAIDO	35	138.5	0.013	±	0.011	0.0000	±	0.0079
Aomori, AOMORI	28	122.0	0.019	±	0.011	0.0052	±	0.0097
Morioka, IWATE	28	91.2	0.013	±	0.013	0.0000	±	0.0079
Onagawa-machi, MIYAGI	28	150.5	0.016	±	0.0080	0.0000	±	0.0085
Akita, AKITA	28	189.3	0.013	±	0.0082	0.011	±	0.0094
Yamagata, YAMAGATA	28	142.3	0.006	±	0.014	0.011	±	0.0094
Okuma-machi, FUKUSHIMA	28	175.0	0.004	±	0.016	0.014	±	0.020
Mito, IBARAKI	28	124.5	0.0004	±	0.0068	0.060	±	0.012
Kawachi-machi, TOCHIGI	36	104.0	0.0083	±	0.0075	0.0040	±	0.0086
Maebashi, GUNMA	28	105	0.012	±	0.0078	0.0026	±	0.0090
Saitama, SAITAMA	28	115.2	0.021	±	0.0093	0.0092	±	0.0064
Chiba, CHIBA	28	111.0	0.014	±	0.0080	0.0000	±	0.0080
Ichihara, CHIBA	28	114.8	0.012	±	0.012	0.0000	±	0.0082
Shinjuku, TOKYO	28	108.9	0.0000	±	0.0082	0.0000	±	0.0079
Yokohama, KANAGAWA	34	109.5	0.036	±	0.014	0.015	±	0.0087
Niigata, NIIGATA	28	270.02	0.0000	±	0.0076	0.0090	±	0.0093
Kosugi-machi, TOYAMA	36	441.9	0.021	±	0.0088	0.063	±	0.012
Kanazawa, ISHIKAWA	31	556.0	0.028	±	0.0082	0.11	±	0.014
Fukui, FUKUI	33	483.7	0.000	±	0.039	0.091	±	0.049
Kofu, YAMANASHI	28	99.5	0.0095	±	0.0065	0.0090	±	0.0092
Nagano, NAGANO	28	121.9	0.0000	±	0.0060	0.0012	±	0.0090
Kakamigahara, GIFU	28	127.0	0.005	±	0.011	0.0000	±	0.0093
Shizuoka, SHIZUOKA	28	139.5	0.019	±	0.0073	0.11	±	0.014
Nagoya, AICHI	27	93.9	0.000	±	0.010	0.0040	±	0.0081
Yokkaichi, MIE	35	118.0	0.029	±	0.017	0.020	±	0.0089
Otsu, SHIGA	28	71.0	0.001	±	0.013	0.0051	±	0.0080
Osaka, OSAKA	28	43.96	0.024	±	0.010	0.0000	±	0.0084
Kobe, HYOGO	34	55.9	0.018	±	0.0094	0.0054	±	0.0088
Nara, NARA	28	90.3	0.003	±	0.015	0.000	±	0.012
Wakayama, WAKAYAMA	28	70.0	0.007	±	0.011	0.0000	±	0.0092
Okayama, OKAYAMA	31	46.6	0.0000	±	0.0075	0.0000	±	0.0080
Hiroshima, HIROSHIMA	28	57.6	0.030	±	0.0080	0.020	±	0.0090
Yamaguchi, YAMAGUCHI	28	108.0	0.030	±	0.023	0.007	±	0.011

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Ishii-machi, TOKUSHIMA	28	115.5	0.0019	±	0.0087	0.0000	±	0.0078
Takamatsu, KAGAWA	28	36.0	0.005	±	0.011	0.0000	±	0.0079
Matsuyama, EHIME	28	43.0	0.006	±	0.011	0.0056	±	0.0082
Kochi, KOCHI	28	129.6	0.042	±	0.0086	0.0000	±	0.0075
Dazaifu, FUKUOKA	28	91.9	0.016	±	0.0089	0.036	±	0.0093
Saga, SAGA	28	80.0	0.0085	±	0.0075	0.013	±	0.0089
Nagasaki, NAGASAKI	28	73.5	0.0030	±	0.0077	0.012	±	0.0085
Uto, KUMAMOTO	28	75.1	0.005	±	0.012	0.019	±	0.0084
Oita, OITA	28	60.0	0.009	±	0.015	0.0000	±	0.0085
Miyazaki, MIYAZAKI	28	93.7	0.030	±	0.012	0.012	±	0.0091
Kagoshima, KAGOSHIMA	33	65.5	0.017	±	0.0071	0.0000	±	0.0085
Yonashiro-machi, OKINAWA	28	78.5	0.000	±	0.013	0.005	±	0.010
Feb. 2002								
Aomori, AOMORI	28	32.5	0.028	±	0.011	0.071	±	0.016
Morioka, IWATE	28	41.5	0.012	±	0.012	0.0006	±	0.0085
Onagawa-machi, MIYAGI	28	11.5	0.039	±	0.0094	0.0000	±	0.0089
Akita, AKITA	28	87.8	0.025	±	0.0075	0.008	±	0.010
Yamagata, YAMAGATA	28	26.0	0.015	±	0.015	0.018	±	0.0098
Okuma-machi, FUKUSHIMA	28	7.5	0.010	±	0.0074	0.0000	±	0.0077
Mito, IBARAKI	28	29.0	0.0000	±	0.0070	0.0000	±	0.0082
Kawachi-machi, TOCHIGI	28	19.1	0.0063	±	0.0075	0.0000	±	0.0077
Maebashi, GUNMA	28	15.5	0.024	±	0.0090	0.057	±	0.012
Saitama, SAITAMA	28	25.4	0.018	±	0.0055	0.032	±	0.0078
Chiba, CHIBA	28	41.5	0.0053	±	0.0076	0.016	±	0.010
Ichihara, CHIBA	28	46.5	0.000	±	0.011	0.020	±	0.0096
Shinjuku, TOKYO	28	14.4	0.008	±	0.010	0.0000	±	0.0087
Yokohama, KANAGAWA	28	31.1	0.011	±	0.012	0.022	±	0.0091
Niigata, NIIGATA	28	70.33	0.014	±	0.0087	0.0076	±	0.0089
Kosugi-machi, TOYAMA	28	98.1	0.003	±	0.011	0.0074	±	0.0088
Kanazawa, ISHIKAWA	28	142.0	0.015	±	0.0080	0.041	±	0.011
Fukui, FUKUI	33	159.2	0.000	±	0.039	0.000	±	0.040
Kofu, YAMANASHI	31	22.0	0.027	±	0.0078	0.0054	±	0.0090
Kakamigahara, GIFU	28	50.0	0.019	±	0.0082	0.0012	±	0.0092
Shizuoka, SHIZUOKA	28	46.5	0.035	±	0.011	0.067	±	0.012

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Nagoya, AICHI	28	36.7	0.010	±	0.0087	0.0000	±	0.0094
Yokkaichi, MIE	28	37.5	0.011	±	0.0068	0.013	±	0.0090
Otsu, SHIGA	28	23.2	0.0037	±	0.0071	0.0076	±	0.0091
Osaka, OSAKA	28	35.73	0.038	±	0.014	0.026	±	0.010
Kobe, HYOGO	28	21.2	0.017	±	0.013	0.0092	±	0.0092
Nara, NARA	28	59.2	0.0082	±	0.0077	0.0000	±	0.0085
Wakayama, WAKAYAMA	28	48	0.028	±	0.011	0.0000	±	0.0084
Tottori, TOTTORI	25	129.5	0.031	±	0.0088	0.065	±	0.013
Okayama, OKAYAMA	25	19.1	0.010	±	0.0076	0.027	±	0.010
Hiroshima, HIROSHIMA	28	26.88	0.0045	±	0.0076	0.015	±	0.0088
Yamaguchi, YAMAGUCHI	28	25.5	0.086	±	0.024	0.041	±	0.015
Ishii-machi, TOKUSHIMA	28	24.6	0.0056	±	0.0088	0.0012	±	0.0081
Takamatsu, KAGAWA	28	15.5	0.013	±	0.016	0.021	±	0.0096
Matsuyama, EHIME	28	39.5	0.016	±	0.013	0.0069	±	0.0084
Kochi, KOCHI	28	35.9	0.000	±	0.013	0.0028	±	0.0096
Dazaifu, FUKUOKA	28	40.5	0.038	±	0.010	0.015	±	0.0099
Saga, SAGA	28	24.0	0.019	±	0.0071	0.032	±	0.0099
Nagasaki, NAGASAKI	28	49.0	0.0016	±	0.0094	0.019	±	0.010
Uto, KUMAMOTO	28	67.7	0.013	±	0.0072	0.0031	±	0.0082
Oita, OITA	28	43.5	0.013	±	0.0083	0.0088	±	0.0095
Miyazaki, MIYAZAKI	28	46.3	0.023	±	0.012	0.014	±	0.0094
Kagoshima, KAGOSHIMA	29	56.5	0.018	±	0.0072	0.0070	±	0.0095
Yonashiro-machi, OKINAWA	28	24.0	0.030	±	0.011	0.0000	±	0.0097
Mar. 2002								
Sapporo, HOKKAIDO	31	35.0	0.091	±	0.010	0.64	±	0.029
Aomori, AOMORI	31	76.3	0.16	±	0.020	0.82	±	0.032
Morioka, IWATE	31	136.1	0.095	±	0.018	0.54	±	0.028
Onagawa-machi, MIYAGI	31	86.5	0.028	±	0.0082	0.095	±	0.014
Akita, AKITA	31	147.9	0.082	±	0.011	0.37	±	0.023
Yamagata, YAMAGATA	31	75.1	0.045	±	0.0094	0.27	±	0.019
Okuma-machi, FUKUSHIMA	31	77.0	0.039	±	0.0094	0.055	±	0.012
Mito, IBARAKI	31	78.5	0.031	±	0.0081	0.067	±	0.013
Kawachi-machi, TOCHIGI	31	43.3	0.0089	±	0.0078	0.051	±	0.012
Maebashi, GUNMA	31	40.0	0.038	±	0.011	0.14	±	0.015

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Saitama, SAITAMA	31	92.3	0.037	±	0.0070	0.11	±	0.012
Chiba, CHIBA	31	88.0	0.033	±	0.0089	0.078	±	0.013
Ichihara, CHIBA	31	102.8	0.038	±	0.0082	0.051	±	0.011
Shinjuku, TOKYO	31	85.9	0.018	±	0.0091	0.037	±	0.012
Yokohama, KANAGAWA	29	63.9	0.025	±	0.0087	0.029	±	0.011
Niigata, NIIGATA	32	128.49	0.076	±	0.015	0.46	±	0.024
Kosugi-machi, TOYAMA	31	166.8	0.086	±	0.013	0.32	±	0.021
Kanazawa, ISHIKAWA	32	194.5	0.12	±	0.012	0.51	±	0.026
Fukui, FUKUI	31	175.7	0.016	±	0.045	0.25	±	0.058
Kofu, YAMANASHI	28	74.5	0.031	±	0.0084	0.0081	±	0.0087
Nagano, NAGANO	31	70.6	0.051	±	0.015	0.075	±	0.012
Kakamigahara, GIFU	31	141.0	0.033	±	0.010	0.020	±	0.011
Shizuoka, SHIZUOKA	31	212.0	0.025	±	0.0085	0.076	±	0.012
Nagoya, AICHI	32	120.0	0.029	±	0.0085	0.030	±	0.011
Yokkaichi, MIE	31	108.0	0.034	±	0.0097	0.080	±	0.013
Otsu, SHIGA	31	65.1	0.027	±	0.0076	0.091	±	0.013
Osaka, OSAKA	28	86.55	0.019	±	0.0087	0.017	±	0.0099
Kobe, HYOGO	29	75.3	0.0004	±	0.0073	0.016	±	0.0099
Nara, NARA	31	103.0	0.035	±	0.0097	0.031	±	0.010
Wakayama, WAKAYAMA	31	99	0.017	±	0.0098	0.055	±	0.013
Tottori, TOTTORI	32	160.0	0.069	±	0.0094	0.30	±	0.021
Matsue, SHIMANE	21	133.0	0.058	±	0.0096	0.28	±	0.015
Okayama, OKAYAMA	31	151.4	0.014	±	0.0084	0.0089	±	0.0089
Yamaguchi, YAMAGUCHI	31	172.5	0.053	±	0.010	0.11	±	0.015
Ishii-machi, TOKUSHIMA	31	51.4	0.013	±	0.0086	0.044	±	0.010
Takamatsu, KAGAWA	31	54.5	0.025	±	0.014	0.047	±	0.011
Matsuyama, EHIME	31	93.0	0.033	±	0.012	0.053	±	0.011
Kochi, KOCHI	31	237.8	0.067	±	0.012	0.041	±	0.011
Dazaifu, FUKUOKA	31	141.5	0.031	±	0.0093	0.053	±	0.012
Saga, SAGA	31	127.8	0.0094	±	0.0068	0.045	±	0.011
Nagasaki, NAGASAKI	31	101.5	0.012	±	0.0080	0.030	±	0.0097
Uto, KUMAMOTO	31	91.9	0.0043	±	0.0068	0.063	±	0.012
Oita, OITA	31	15.5	0.028	±	0.015	0.027	±	0.0097
Miyazaki, MIYAZAKI	31	81.9	0.019	±	0.011	0.018	±	0.0098

Location	Duration (Days)	Precipitation (mm)	Sr-90 (MBq/km^2)			Cs-137 (MBq/km^2)		
Kagoshima, KAGOSHIMA	25	81.5	0.032	±	0.0082	0.032	±	0.011
Yonashiro-machi, OKINAWA	28	71.5	0.027	±	0.011	0.023	±	0.011

(2) Strontium-90 and Cesium-137 in Airborne dust
(from Apr. 2001 to Mar. 2002)

Table (2) : Strontium-90 and Cesium-137 in Airborne dust

Location	Sampling period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Apr. ~Jun. 2001										
Morioka, IWATE	04	~	06	10105.0	0.00082	±	0.00037	0.00037	±	0.00030
Akita, AKITA	04	~	06	10800.0	0.0014	±	0.00069	0.00086	±	0.00032
Yamagata, YAMAGATA	04	~	06	12960.0	0.00026	±	0.00030	0.00000	±	0.00022
Okuma-machi, FUKUSHIMA	04	~	06	9992.0	0.00000	±	0.00030	0.00023	±	0.00030
Kawachi-machi, TOCHIGI	04	~	06	14239.0	0.00019	±	0.00028	0.00015	±	0.00022
Ichihara, CHIBA	04	~	06	10275.0	0.00042	±	0.00055	0.00006	±	0.00029
Yokohama, KANAGAWA	04	~	06	10273.0	0.00000	±	0.00037	0.00061	±	0.00032
Niigata, NIIGATA	04	~	06	10849.0	0.0011	±	0.00040	0.00024	±	0.00029
Kosugi-machi, TOYAMA	04	~	06	18147.0	0.00078	±	0.00024	0.00073	±	0.00021
Fukui, FUKUI	04	~	06	12959.0	0.00023	±	0.00039	0.00000	±	0.00022
Kofu, YAMANASHI	04	~	06	12847.0	0.00007	±	0.00029	0.00004	±	0.00025
Nagano, NAGANO	04	~	06	11746.0	0.00062	±	0.00036	0.00042	±	0.00028
Kakamigahara, GIFU	04	~	06	10957.5	0.00046	±	0.00038	0.0015	±	0.00036
Hamaoka-machi, SHIZUOKA	04	~	06	10651.0	0.0013	±	0.00033	0.00041	±	0.00033
Nagoya, AICHI	04	~	06	10347.0	0.00072	±	0.00036	0.00040	±	0.00030
Yokkaichi, MIE	04	~	06	14112.0	0.00072	±	0.00051	0.00056	±	0.00024
Otsu, SHIGA	04	~	06	12066.0	0.00051	±	0.00036	0.00013	±	0.00025
Kyoto, KYOTO	04	~	06	9928.0	0.00022	±	0.00060	0.00000	±	0.00030
Osaka, OSAKA	04	~	06	14234.0	0.00000	±	0.00023	0.00057	±	0.00024
Kobe, HYOGO	04	~	06	10293.6	0.00056	±	0.00042	0.0019	±	0.00040
Nara, NARA	04	~	06	10380.5	0.00049	±	0.00053	0.00087	±	0.00034
Wakayama, WAKAYAMA	04	~	06	10368.0	0.00086	±	0.00054	0.00000	±	0.00036
Tottori, TOTTORI	04	~	06	14334.0	0.0010	±	0.00053	0.00025	±	0.00022
Okayama, OKAYAMA	04	~	06	12909.0	0.00059	±	0.00053	0.00058	±	0.00026
Hiroshima, HIROSHIMA	04	~	06	10181.9	0.00038	±	0.00034	0.00024	±	0.00029
Yamaguchi, YAMAGUCHI	04	~	06	21806.0	0.00004	±	0.00022	0.00027	±	0.00015
Tokushima, TOKUSHIMA	04	~	06	10080.0	0.00080	±	0.00039	0.00035	±	0.00031
Takamatsu, KAGAWA	04	~	06	13672.0	0.00056	±	0.00039	0.0021	±	0.00041
Saga, SAGA	04	~	06	9712.8	0.00000	±	0.00041	0.00000	±	0.00032
Uto, KUMAMOTO	04	~	06	13358.1	0.00037	±	0.00028	0.0019	±	0.00033

Location	Sampling period	Absorption (m^3)	Sr-90 (mBq/m^3)	Cs-137 (mBq/m^3)
Oita, OITA	04 ～ 06	10150.0	0.0010 ± 0.00041	0.00020 ± 0.00030
Miyazaki, MIYAZAKI	04 ～ 06	13262.0	0.00035 ± 0.00033	0.00000 ± 0.00021
Apr. ～Jul. 2001				
Mito, IBARAKI	04 ～ 07	11729.0	0.00002 ± 0.00042	0.00040 ± 0.00027
Nagasaki, NAGASAKI	04 ～ 07	10770.0	0.00006 ± 0.00026	0.00054 ± 0.00034
May ～Jun. 2001				
Maebashi, GUNMA	05 ～ 06	9982.4	0.00072 ± 0.00036	0.00056 ± 0.00031
Jul. ～Sep. 2001				
Morioka, IWATE	07 ～ 09	11316.0	0.00039 ± 0.00037	0.00008 ± 0.00028
Akita, AKITA	07 ～ 09	10800.0	0.00084 ± 0.00033	0.00000 ± 0.00027
Yamagata, YAMAGATA	07 ～ 09	12960.0	0.00054 ± 0.00035	0.00000 ± 0.00023
Okuma-machi, FUKUSHIMA	07 ～ 09	10159.0	0.00038 ± 0.00037	0.00000 ± 0.00027
Kawachi-machi, TOCHIGI	07 ～ 09	14339.0	0.00000 ± 0.00030	0.00000 ± 0.00018
Maebashi, GUNMA	07 ～ 09	10125.6	0.00094 ± 0.00039	0.00000 ± 0.00026
Ichihara, CHIBA	07 ～ 09	10267.2	0.00051 ± 0.00040	0.00000 ± 0.00026
Yokohama, KANAGAWA	07 ～ 09	10167.0	0.00030 ± 0.00032	0.00000 ± 0.00030
Niigata, NIIGATA	07 ～ 09	10895.0	0.00084 ± 0.00048	0.00000 ± 0.00033
Kosugi-machi, TOYAMA	07 ～ 09	18103.0	0.00055 ± 0.00025	0.00000 ± 0.00017
Fukui, FUKUI	07 ～ 09	11519.2	0.00006 ± 0.00027	0.00000 ± 0.00027
Kofu, YAMANASHI	07 ～ 09	15052.0	0.00082 ± 0.00029	0.00000 ± 0.00020
Nagano, NAGANO	07 ～ 09	11476.0	0.00013 ± 0.00033	0.00000 ± 0.00024
Kakamigahara, GIFU	07 ～ 09	10720.7	0.0011 ± 0.00043	0.00012 ± 0.00028
Hamaoka-machi, SHIZUOKA	07 ～ 09	10743.0	0.00011 ± 0.00037	0.00006 ± 0.00030
Nagoya, AICHI	07 ～ 09	10367.0	0.00011 ± 0.00038	0.00000 ± 0.00029
Yokkaichi, MIE	07 ～ 09	14323.0	0.00013 ± 0.00027	0.00000 ± 0.00020
Otsu, SHIGA	07 ～ 09	10218.0	0.00048 ± 0.00037	0.00000 ± 0.00024
Kyoto, KYOTO	07 ～ 09	10709.0	0.00031 ± 0.00056	0.00000 ± 0.00028
Osaka, OSAKA	07 ～ 09	13573.0	0.00078 ± 0.00032	0.00000 ± 0.00021
Kobe, HYOGO	07 ～ 09	10317.7	0.00030 ± 0.00038	0.00000 ± 0.00027
Nara, NARA	07 ～ 09	10429.8	0.00091 ± 0.00036	0.00025 ± 0.00031
Wakayama, WAKAYAMA	07 ～ 09	10368.0	0.00000 ± 0.00050	0.00006 ± 0.00037
Tottori, TOTTORI	07 ～ 09	14334.0	0.00036 ± 0.00026	0.00000 ± 0.00018
Okayama, OKAYAMA	07 ～ 09	14184.0	0.00060 ± 0.00027	0.00000 ± 0.00019
Hiroshima, HIROSHIMA	07 ～ 09	10037.4	0.00000 ± 0.00038	0.00000 ± 0.00029

Location	Sampling period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Yamaguchi, YAMAGUCHI	07	～	09	21783.0	0.00044	±	0.00016	0.00002	±	0.00012
Tokushima, TOKUSHIMA	07	～	09	10080.0	0.00042	±	0.00039	0.00000	±	0.00026
Takamatsu, KAGAWA	07	～	09	14259.0	0.00014	±	0.00030	0.00000	±	0.00021
Saga, SAGA	07	～	09	8894.5	0.00025	±	0.00047	0.00000	±	0.00032
Nagasaki, NAGASAKI	07	～	09	10634.0	0.00004	±	0.00030	0.00000	±	0.00026
Uto, KUMAMOTO	07	～	09	13462.0	0.00000	±	0.00030	0.00000	±	0.00023
Oita, OITA	07	～	09	10118.0	0.00080	±	0.00040	0.00000	±	0.00025
Miyazaki, MIYAZAKI	07	～	09	13295.0	0.00008	±	0.00023	0.00000	±	0.00020
Jul. ～Oct. 2001										
Mito, IBARAKI	07	～	10	11330.4	0.00046	±	0.00031	0.00000	±	0.00024
Oct. ～Dec. 2001										
Morioka, IWATE	10	～	12	10368.0	0.00000	±	0.00043	0.00007	±	0.00031
Akita, AKITA	10	～	12	10800.0	0.00000	±	0.00040	0.00000	±	0.00028
Yamagata, YAMAGATA	10	～	12	12960.0	0.00000	±	0.00030	0.00035	±	0.00026
Okuma-machi, FUKUSHIMA	10	～	12	10295.0	0.00077	±	0.00041	0.00000	±	0.00027
Kawachi-machi, TOCHIGI	10	～	12	13719.0	0.00000	±	0.00026	0.00016	±	0.00023
Maebashi, GUNMA	10	～	12	10764.9	0.00049	±	0.00055	0.00036	±	0.00032
Ichihara, CHIBA	10	～	12	10188.0	0.00000	±	0.00036	0.00000	±	0.00026
Yokohama, KANAGAWA	10	～	12	10320.0	0.00061	±	0.00037	0.00000	±	0.00029
Niigata, NIIGATA	10	～	12	10815.0	0.00010	±	0.00037	0.00000	±	0.00026
Kosugi-machi, TOYAMA	10	～	12	18059.0	0.00032	±	0.00019	0.00004	±	0.00016
Fukui, FUKUI	10	～	12	12959.1	0.00012	±	0.00030	0.00000	±	0.00023
Kofu, YAMANASHI	10	～	12	12851.0	0.00009	±	0.00047	0.00000	±	0.00024
Nagano, NAGANO	10	～	12	11408.0	0.00072	±	0.00032	0.00000	±	0.00024
Kakamigahara, GIFU	10	～	12	11714.4	0.00045	±	0.00029	0.00000	±	0.00026
Hamaoka-machi, SHIZUOKA	10	～	12	10552.0	0.00066	±	0.00041	0.00000	±	0.00027
Nagoya, AICHI	10	～	12	10226.0	0.00095	±	0.00037	0.00000	±	0.00028
Yokkaichi, MIE	10	～	12	14805.0	0.00015	±	0.00023	0.00000	±	0.00020
Otsu, SHIGA	10	～	12	10195.0	0.00027	±	0.00047	0.00000	±	0.00028
Kyoto, KYOTO	10	～	12	10447.0	0.00022	±	0.00057	0.00000	±	0.00028
Osaka, OSAKA	10	～	12	13546.0	0.00079	±	0.00027	0.00019	±	0.00022
Kobe, HYOGO	10	～	12	10361.1	0.00070	±	0.00036	0.00004	±	0.00032
Nara, NARA	10	～	12	10406.0	0.00099	±	0.00037	0.00006	±	0.00028
Wakayama, WAKAYAMA	10	～	12	10368.0	0.00000	±	0.00057	0.00040	±	0.00036

Location	Sampling period	Absorption (m^3)	Sr-90 (mBq/m^3)	Cs-137 (mBq/m^3)
Tottori, TOTTORI	10 ～ 12	14334.0	0.00000 ± 0.00029	0.00005 ± 0.00022
Okayama, OKAYAMA	10 ～ 12	13284.0	0.00000 ± 0.00058	0.00000 ± 0.00033
Hiroshima, HIROSHIMA	10 ～ 12	10219.7	0.00049 ± 0.00033	0.00026 ± 0.00030
Yamaguchi, YAMAGUCHI	10 ～ 12	21957.0	0.00035 ± 0.00017	0.00000 ± 0.00013
Tokushima, TOKUSHIMA	10 ～ 12	10080.0	0.00011 ± 0.00058	0.00000 ± 0.00029
Takamatsu, KAGAWA	10 ～ 12	13882.0	0.00000 ± 0.00031	0.00000 ± 0.00019
Saga, SAGA	10 ～ 12	10180.0	0.00000 ± 0.00051	0.00000 ± 0.00028
Nagasaki, NAGASAKI	10 ～ 12	10785.0	0.00043 ± 0.00034	0.00000 ± 0.00026
Uto, KUMAMOTO	10 ～ 12	13137.2	0.00000 ± 0.00036	0.00000 ± 0.00024
Oita, OITA	10 ～ 12	10148.0	0.00028 ± 0.00042	0.00000 ± 0.00026
Miyazaki, MIYAZAKI	10 ～ 12	13693.0	0.00021 ± 0.00049	0.00000 ± 0.00022
Oct. 2001～Jan. 2002				
Mito, IBARAKI	10 ～ 01	11170.2	0.00086 ± 0.00034	0.00019 ± 0.00026
Jan. ～Mar. 2002				
Morioka, IWATE	01 ～ 03	10367.0	0.00000 ± 0.00029	0.00046 ± 0.00031
Akita, AKITA	01 ～ 03	10800.0	0.00000 ± 0.00058	0.00000 ± 0.00027
Yamagata, YAMAGATA	01 ～ 03	12960.0	0.00012 ± 0.00033	0.00003 ± 0.00022
Okuma-machi, FUKUSHIMA	01 ～ 03	10618.0	0.00000 ± 0.00031	0.00081 ± 0.00032
Kawachi-machi, TOCHIGI	01 ～ 03	13516.0	0.00000 ± 0.00028	0.00000 ± 0.00022
Maebashi, GUNMA	01 ～ 03	9834.1	0.00035 ± 0.00059	0.00000 ± 0.00032
Ichihara, CHIBA	01 ～ 03	10123.2	0.00005 ± 0.00060	0.00000 ± 0.00029
Yokohama, KANAGAWA	01 ～ 03	10361.0	0.00052 ± 0.00031	0.00010 ± 0.00028
Niigata, NIIGATA	01 ～ 03	10595.0	0.0014 ± 0.00037	0.00027 ± 0.00030
Kosugi-machi, TOYAMA	01 ～ 03	18079.0	0.00026 ± 0.00038	0.00000 ± 0.00016
Fukui, FUKUI	01 ～ 03	10079.0	0.00033 ± 0.00034	0.00053 ± 0.00032
Kofu, YAMANASHI	01 ～ 03	13999.0	0.00091 ± 0.00052	0.00016 ± 0.00025
Nagano, NAGANO	01 ～ 03	11577.0	0.00009 ± 0.00032	0.0010 ± 0.00032
Kakamigahara, GIFU	01 ～ 03	11705.8	0.00047 ± 0.00034	0.00041 ± 0.00028
Hamaoka-machi, SHIZUOKA	01 ～ 03	10514.0	0.00000 ± 0.00058	0.00000 ± 0.00029
Nagoya, AICHI	01 ～ 03	10367.0	0.0012 ± 0.00043	0.00033 ± 0.00030
Yokkaichi, MIE	01 ～ 03	14982.0	0.00004 ± 0.00041	0.00029 ± 0.00024
Otsu, SHIGA	01 ～ 03	10274.0	0.00035 ± 0.00039	0.00000 ± 0.00028
Kyoto, KYOTO	01 ～ 03	10492.0	0.00092 ± 0.00065	0.0046 ± 0.00053
Osaka, OSAKA	01 ～ 03	12907.0	0.00042 ± 0.00028	0.00017 ± 0.00023

Location	Sampling period			Absorption (m^3)	Sr-90 (mBq/m^3)			Cs-137 (mBq/m^3)		
Kobe, HYOGO	01	～	03	10375.5	0.00070	±	0.00039	0.00000	±	0.00026
Nara, NARA	01	～	03	10530.0	0.00000	±	0.00035	0.00024	±	0.00028
Wakayama, WAKAYAMA	01	～	03	10368.0	0.00000	±	0.00052	0.00025	±	0.00036
Tottori, TOTTORI	01	～	03	14334.0	0.00024	±	0.00046	0.00000	±	0.00022
Okayama, OKAYAMA	01	～	03	13665.0	0.00013	±	0.00032	0.00050	±	0.00024
Hiroshima, HIROSHIMA	01	～	03	10323.0	0.00005	±	0.00057	0.00000	±	0.00031
Yamaguchi, YAMAGUCHI	01	～	03	22005.0	0.00000	±	0.00024	0.00016	±	0.00015
Tokushima, TOKUSHIMA	01	～	03	10080.0	0.00053	±	0.00060	0.00013	±	0.00032
Takamatsu, KAGAWA	01	～	03	14126.0	0.00014	±	0.00041	0.00048	±	0.00025
Saga, SAGA	01	～	03	10169.7	0.00000	±	0.00053	0.00004	±	0.00031
Nagasaki, NAGASAKI	01	～	03	10537.0	0.00042	±	0.00057	0.00004	±	0.00031
Uto, KUMAMOTO	01	～	03	13350.9	0.00004	±	0.00031	0.00072	±	0.00026
Oita, OITA	01	～	03	25850.0	0.00000	±	0.00021	0.00000	±	0.00012
Miyazaki, MIYAZAKI	01	～	03	13666.0	0.00000	±	0.00039	0.00022	±	0.00025
Jan. ～Apr. 2002										
Mito, IBARAKI	01	～	04	10228.9	0.00000	±	0.00054	0.00000	±	0.00028

(3) Strontium-90 and Cesium-137 in Service water
(from Apr. 2001 to Mar. 2002)

Table (3) : Strontium-90 and Cesium-137 in Service water

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
(Source water)							
May 2001							
Nagano, NAGANO	6.65	0.74	±	0.12	0.033	±	0.044
Jun. 2001							
Sapporo, HOKKAIDO	6.9	1.1	±	0.09	0.12	±	0.052
Saitama, SAITAMA	7.6	0.005	±	0.040	0.000	±	0.038
Kisarazu, CHIBA	7.4	2.5	±	0.19	0.081	±	0.045
Katsushika, TOKYO	6.9	1.5	±	0.17	0.099	±	0.052
Tsukui-machi, KANAGAWA	7.5	0.28	±	0.13	0.082	±	0.060
Inuyama, AICHI	7.1	1.8	±	0.09	0.13	±	0.048
Moriguchi, OSAKA	7.6	2.4	±	0.17	0.077	±	0.045
Fukuoka, FUKUOKA	7.8	1.9	±	0.10	0.16	±	0.052
Aug. 2001							
Kyoto, KYOTO	8.62	2.3	±	0.16	0.059	±	0.041
Nov. 2001							
Nagano, NAGANO	7.12	1.1	±	0.08	0.000	±	0.042
Dec. 2001							
Sapporo, HOKKAIDO	6.9	1.1	±	0.13	0.11	±	0.052
Saitama, SAITAMA	7.4	0.000	±	0.061	0.000	±	0.032
Kisarazu, CHIBA	7.6	1.6	±	0.15	0.018	±	0.041
Katsushika, TOKYO	7.1	1.0	±	0.12	0.000	±	0.050
Tsukui-machi, KANAGAWA	6.8	0.46	±	0.11	0.000	±	0.043
Inuyama, AICHI	7.1	2.0	±	0.16	0.11	±	0.044
Moriguchi, OSAKA	7.2	1.9	±	0.11	0.000	±	0.033
Fukuoka, FUKUOKA	7.0	1.5	±	0.13	0.003	±	0.036
Jan. 2002							
Kyoto, KYOTO	7.11	1.8	±	0.10	0.009	±	0.041
(Tap water)							
May 2001							
Yamagata, YAMAGATA	7.2	1.3	±	0.09	0.11	±	0.046
Nagano, NAGANO	7.23	0.66	±	0.10	0.000	±	0.040

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Jun. 2001							
Aomori, AOMORI	8.27	1.3	±	0.13	0.12	±	0.053
Fukushima, FUKUSHIMA	7.64	1.8	±	0.09	0.000	±	0.039
Mito, IBARAKI	7.7	1.0	±	0.08	0.006	±	0.038
Kawachi-machi, TOCHIGI	7.33	0.36	±	0.052	0.009	±	0.045
Maebashi, GUNMA	6.78	1.2	±	0.14	0.12	±	0.039
Saitama, SAITAMA	7.1	1.4	±	0.08	0.012	±	0.039
Ichihara, CHIBA	7.9	2.3	±	0.17	0.013	±	0.041
Katsushika, TOKYO	6.7	1.6	±	0.11	0.12	±	0.053
Niigata, NIIGATA	7.60	1.9	±	0.13	0.013	±	0.050
Kosugi-machi, TOYAMA	7.4	1.1	±	0.08	0.000	±	0.045
Kanazawa, ISHIKAWA	7.34	1.6	±	0.10	0.090	±	0.043
Fukui, FUKUI	6.9	0.43	±	0.098	0.016	±	0.051
Kofu, YAMANASHI	7.55	0.94	±	0.085	0.000	±	0.042
Kakamigahara, GIFU	7.36	0.013	±	0.058	0.014	±	0.046
Shizuoka, SHIZUOKA	6.43	0.73	±	0.065	0.039	±	0.042
Nagoya, AICHI	6.9	1.8	±	0.10	0.15	±	0.053
Yokkaichi, MIE	7.5	3.8	±	0.14	0.000	±	0.044
Otsu, SHIGA	6.3	2.1	±	0.11	0.056	±	0.048
Osaka, OSAKA	7.4	2.4	±	0.18	0.051	±	0.046
Kobe, HYOGO	7.05	1.9	±	0.09	0.000	±	0.037
Nara, NARA	7.4	2.3	±	0.12	0.071	±	0.046
Tottori, TOTTORI	7.1	2.2	±	0.16	0.11	±	0.049
Matsue, SHIMANE	-	2.3	±	0.10	0.000	±	0.038
Okayama, OKAYAMA	7.0	1.9	±	0.15	0.000	±	0.038
Hiroshima, HIROSHIMA	7.8	2.1	±	0.16	0.054	±	0.047
Ube, YAMAGUCHI	7.63	1.6	±	0.09	0.027	±	0.040
Tokushima, TOKUSHIMA	6.39	2.0	±	0.13	0.000	±	0.053
Takamatsu, KAGAWA	7.8	2.4	±	0.17	0.000	±	0.047
Matsuyama, EHIME	7.6	1.6	±	0.10	0.064	±	0.048
Kochi, KOCHI	7.10	1.4	±	0.12	0.015	±	0.040
Fukuoka, FUKUOKA	7.5	2.6	±	0.15	0.041	±	0.039
Saga, SAGA	7.7	1.5	±	0.10	0.058	±	0.040
Nagasaki, NAGASAKI	7.27	1.3	±	0.14	0.021	±	0.048

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Uto, KUMAMOTO	7.98	0.000	±	0.061	0.000	±	0.041
Oita, OITA	7.7	0.79	±	0.13	0.082	±	0.044
Miyazaki, MIYAZAKI	7.01	1.0	±	0.13	0.024	±	0.030
Naha, OKINAWA	7.8	3.6	±	0.16	0.012	±	0.041
Jul. 2001							
Wakkanai, HOKKAIDO	6.9	0.95	±	0.12	0.000	±	0.042
Morioka, IWATE	7.3	0.92	±	0.11	0.006	±	0.044
Sendai, MIYAGI	—	1.1	±	0.12	0.032	±	0.042
Akita, AKITA	6.76	2.0	±	0.16	0.081	±	0.045
Yokohama, KANAGAWA	7.1	0.28	±	0.10	0.016	±	0.051
Aug. 2001							
Kyoto, KYOTO	7.52	3.0	±	0.19	0.032	±	0.041
Kagoshima, KAGOSHIMA	7.3	0.52	±	0.055	0.017	±	0.043
Oct. 2001							
Sendai, MIYAGI	—	0.97	±	0.12	0.000	±	0.036
Nov. 2001							
Akita, AKITA	6.73	2.2	±	0.16	0.12	±	0.046
Fukushima, FUKUSHIMA	7.7	1.5	±	0.14	0.022	±	0.036
Dec. 2001							
Aomori, AOMORI	6.96	0.82	±	0.12	0.15	±	0.037
Morioka, IWATE	7.3	0.93	±	0.12	0.031	±	0.039
Yamagata, YAMAGATA	7.0	1.5	±	0.16	0.060	±	0.044
Mito, IBARAKI	8.0	1.1	±	0.08	0.000	±	0.044
Kawachi-machi, TOCHIGI	7.87	0.22	±	0.073	0.046	±	0.032
Maebashi, GUNMA	6.66	1.2	±	0.12	0.003	±	0.042
Saitama, SAITAMA	7.1	1.1	±	0.14	0.021	±	0.034
Ichihara, CHIBA	7.0	1.9	±	0.09	0.009	±	0.045
Katsushika, TOKYO	6.9	1.2	±	0.10	0.032	±	0.044
Yokohama, KANAGAWA	7.0	0.59	±	0.11	0.000	±	0.037
Kosugi-machi, TOYAMA	7.1	1.5	±	0.09	0.000	±	0.042
Fukui, FUKUI	6.39	0.56	±	0.095	0.000	±	0.031
Kofu, YAMANASHI	7.26	0.73	±	0.11	0.000	±	0.039
Nagano, NAGANO	6.72	0.016	±	0.038	0.000	±	0.042
Kakamigahara, GIFU	6.97	0.000	±	0.049	0.000	±	0.038

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Shizuoka, SHIZUOKA	7.03	0.48	±	0.056	0.000	±	0.040
Nagoya, AICHI	6.9	1.9	±	0.16	0.033	±	0.040
Yokkaichi, MIE	7.3	3.1	±	0.11	0.000	±	0.040
Otsu, SHIGA	6.6	2.2	±	0.16	0.053	±	0.042
Osaka, OSAKA	7.4	2.6	±	0.14	0.000	±	0.032
Kobe, HYOGO	7.02	2.5	±	0.11	0.000	±	0.031
Nara, NARA	7.5	2.4	±	0.24	0.030	±	0.037
Shingu, WAKAYAMA	6.8	1.7	±	0.13	0.000	±	0.049
Tottori, TOTTORI	7.2	1.9	±	0.36	0.000	±	0.035
Matsue, SHIMANE	-	1.7	±	0.09	0.000	±	0.036
Okayama, OKAYAMA	6.9	1.5	±	0.09	0.000	±	0.041
Hiroshima, HIROSHIMA	6.6	1.8	±	0.10	0.000	±	0.033
Ube, YAMAGUCHI	7.71	1.6	±	0.10	0.055	±	0.042
Tokushima, TOKUSHIMA	7.1	1.4	±	0.15	0.000	±	0.033
Takamatsu, KAGAWA	7.5	2.1	±	0.16	0.001	±	0.029
Matsuyama, EHIME	7.7	1.2	±	0.12	0.033	±	0.040
Kochi, KOCHI	7.10	1.7	±	0.14	0.044	±	0.042
Fukuoka, FUKUOKA	7.1	2.3	±	0.18	0.000	±	0.037
Saga, SAGA	8.0	1.0	±	0.08	0.017	±	0.041
Uto, KUMAMOTO	7.9	0.000	±	0.078	0.000	±	0.035
Oita, OITA	7.5	0.53	±	0.12	0.10	±	0.037
Miyazaki, MIYAZAKI	7.08	0.99	±	0.071	0.000	±	0.038
Jan. 2002							
Wakkanai, HOKKAIDO	7.0	1.0	±	0.12	0.049	±	0.044
Niigata, NIIGATA	7.70	1.9	±	0.10	0.000	±	0.048
Kanazawa, ISHIKAWA	7.48	1.9	±	0.14	0.032	±	0.032
Kyoto, KYOTO	6.75	2.5	±	0.19	0.096	±	0.047
Naha, OKINAWA	7.73	1.8	±	0.09	0.000	±	0.038
Feb. 2002							
Shingu, WAKAYAMA	7.0	1.7	±	0.11	0.030	±	0.048
Kagoshima, KAGOSHIMA	7.3	0.34	±	0.057	0.030	±	0.044
Mar. 2002							
Nagasaki, NAGASAKI	7.61	1.0	±	0.12	0.12	±	0.052

(4) Strontium-90 and Cesium-137 in Fresh water
(from Apr. 2001 to Mar. 2002)

Table (4) : Strontium-90 and Cesium-137 in Fresh water

Location	pH (pH)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
(Fresh water)							
May 2001							
Kasumigaura-lake, IBARAKI	8.2	2.3	±	0.17	0.31	±	0.056
Jul. 2001							
Barato-lake, HOKKAIDO	7.1	1.2	±	0.13	0.057	±	0.050
Aug. 2001							
Akita, AKITA	6.57	3.4	±	0.21	0.37	±	0.062
Inogaike, FUKUI	6.74	3.2	±	0.20	1.9	±	0.11
Sep. 2001							
Fukushima, FUKUSHIMA	6.8	0.12	±	0.16	0.000	±	0.037
Oct. 2001							
Shobara, HIROSHIMA	7.76	1.9	±	0.10	0.20	±	0.056
Nov. 2001							
Toyanogata, NIIGATA	7.06	2.8	±	0.20	0.14	±	0.036
Uji, KYOTO	6.33	0.050	±	0.055	0.000	±	0.045
Dec. 2001							
Suwa-lake, NAGANO	8.51	0.73	±	0.088	0.13	±	0.057

(5) Strontium-90 and Cesium-137 in Soil
(from Apr. 2001 to Mar. 2002)
Table (5) : Strontium-90 and Cesium-137 in Soil

Location	Sampling depth (cm)	Sr-90 (Bq/kg)	Sr-90 (MBq/km^2)	Cs-137 (Bq/kg)	Cs-137 (MBq/km^2)
May 2001					
Tokai-mura, IBARAKI	0～5	5.5 ± 0.29	320 ± 17	41 ± 0.7	2400 ± 40
Tokai-mura, IBARAKI	5～20	3.6 ± 0.24	580 ± 38	4.8 ± 0.24	780 ± 39
Akabane-machi, AICHI	0～5	1.0 ± 0.13	46 ± 5.9	12 ± 0.4	560 ± 17
Akabane-machi, AICHI	5～20	0.86 ± 0.12	94 ± 13	14 ± 0.4	1600 ± 40
Jun. 2001					
Fukushima, FUKUSHIMA	0～5	3.1 ± 0.22	100 ± 7	24 ± 0.5	780 ± 18
Fukushima, FUKUSHIMA	5～20	3.2 ± 0.22	300 ± 22	18 ± 0.5	1700 ± 40
Naha, OKINAWA	0～5	0.81 ± 0.11	49 ± 7.0	5.0 ± 0.24	310 ± 15
Naha, OKINAWA	5～20	0.97 ± 0.12	170 ± 20	2.8 ± 0.19	490 ± 33
Jul. 2001					
Aomori, AOMORI	0～5	2.1 ± 0.17	74 ± 6.1	5.5 ± 0.25	190 ± 9
Aomori, AOMORI	5～20	1.9 ± 0.17	160 ± 14	4.6 ± 0.23	390 ± 20
Yamagata, YAMAGATA	0～5	3.1 ± 0.21	160 ± 11	21 ± 0.5	1100 ± 30
Yamagata, YAMAGATA	5～20	1.3 ± 0.15	140 ± 15	3.7 ± 0.21	380 ± 22
Imaichi, TOCHIGI	0～5	7.7 ± 0.32	78 ± 3.2	45 ± 0.8	460 ± 8
Imaichi, TOCHIGI	5～20	4.2 ± 0.24	55 ± 3.1	4.3 ± 0.24	55 ± 3.1
Maebashi, GUNMA	0～5	0.62 ± 0.098	34 ± 5.4	2.6 ± 0.18	140 ± 10
Maebashi, GUNMA	5～20	1.1 ± 0.12	140 ± 15	2.5 ± 0.18	320 ± 22
Saitama, SAITAMA	0～5	1.4 ± 0.15	37 ± 3.9	6.4 ± 0.29	170 ± 8
Saitama, SAITAMA	5～20	0.89 ± 0.13	89 ± 13	0.93 ± 0.12	93 ± 12
Ichihara, CHIBA	0～5	0.026 ± 0.055	0.7 ± 1.4	2.2 ± 0.17	58 ± 4.4
Ichihara, CHIBA	5～20	0.20 ± 0.076	37 ± 14	1.5 ± 0.14	280 ± 26
Yokohama, KANAGAWA	0～5	3.4 ± 0.21	110 ± 7	12 ± 0.4	400 ± 12
Yokohama, KANAGAWA	5～20	4.0 ± 0.23	340 ± 20	10 ± 0.3	880 ± 29
Kashiwazaki, NIIGATA	0～5	0.27 ± 0.087	21 ± 6.7	2.5 ± 0.18	190 ± 14
Kashiwazaki, NIIGATA	5～20	0.15 ± 0.079	37 ± 19	6.6 ± 0.28	1600 ± 70
Kosugi-machi, TOYAMA	0～5	0.35 ± 0.083	27 ± 6.3	1.4 ± 0.13	100 ± 10
Kosugi-machi, TOYAMA	5～20	0.16 ± 0.065	28 ± 11	0.59 ± 0.095	100 ± 16
Fukui, FUKUI	0～5	0.20 ± 0.079	9.2 ± 3.6	4.0 ± 0.23	180 ± 10
Fukui, FUKUI	5～20	0.39 ± 0.096	42 ± 10	2.3 ± 0.17	250 ± 18

Location	Sampling depth (cm)	Sr-90 (Bq/kg)	Sr-90 (MBq/km^2)	Cs-137 (Bq/kg)	Cs-137 (MBq/km^2)
Nagano, NAGANO	0～5	3.5 ± 0.23	83 ± 5.5	64 ± 0.8	1500 ± 20
Nagano, NAGANO	5～20	1.9 ± 0.17	130 ± 12	7.3 ± 0.29	510 ± 20
Gifu, GIFU	0～5	0.89 ± 0.12	41 ± 5.4	7.4 ± 0.29	340 ± 13
Gifu, GIFU	5～20	1.2 ± 0.13	180 ± 20	6.8 ± 0.28	1000 ± 40
Komono-machi, MIE	0～5	0.093 ± 0.054	4.8 ± 2.8	0.47 ± 0.085	24 ± 4.4
Komono-machi, MIE	5～20	0.13 ± 0.060	25 ± 11	0.022 ± 0.056	4 ± 11
Yasu-machi, SHIGA	0～5	0.16 ± 0.067	9.9 ± 4.0	0.38 ± 0.084	23 ± 5.1
Yasu-machi, SHIGA	5～20	0.21 ± 0.069	35 ± 11	0.55 ± 0.094	93 ± 16
Kyoto, KYOTO	0～5	1.1 ± 0.13	27 ± 3.3	2.8 ± 0.18	70 ± 4.6
Kyoto, KYOTO	5～20	0.88 ± 0.12	120 ± 16	3.4 ± 0.20	450 ± 27
Osaka, OSAKA	0～5	0.27 ± 0.070	19 ± 4.8	2.0 ± 0.16	140 ± 11
Osaka, OSAKA	5～20	0.49 ± 0.093	96 ± 18	3.3 ± 0.20	650 ± 40
Kasai, HYOGO	0～5	4.0 ± 0.24	130 ± 8	45 ± 0.7	1500 ± 20
Kasai, HYOGO	5～20	0.82 ± 0.11	110 ± 15	8.1 ± 0.31	1000 ± 40
Kashihara, NARA	0～5	0.64 ± 0.10	23 ± 3.7	2.3 ± 0.17	83 ± 6.1
Kashihara, NARA	5～20	0.53 ± 0.096	67 ± 12	2.4 ± 0.17	300 ± 22
Kokufu-machi, TOTTORI	0～5	0.11 ± 0.060	6.4 ± 3.5	0.67 ± 0.10	39 ± 6.2
Kokufu-machi, TOTTORI	5～20	0.12 ± 0.062	19 ± 9.6	0.32 ± 0.085	50 ± 13
Oda, SHIMANE	0～5	3.2 ± 0.21	63 ± 4.1	19 ± 0.5	380 ± 9
Oda, SHIMANE	5～20	1.6 ± 0.15	160 ± 15	7.7 ± 0.30	790 ± 31
Asahi-machi, OKAYAMA	0～5	0.074 ± 0.055	2.5 ± 1.9	0.54 ± 0.094	18 ± 3.2
Asahi-machi, OKAYAMA	5～20	0.019 ± 0.046	1.3 ± 3.1	0.012 ± 0.057	0.8 ± 3.8
Hiroshima, HIROSHIMA	0～5	0.67 ± 0.11	41 ± 6.5	2.6 ± 0.18	160 ± 11
Hiroshima, HIROSHIMA	5～20	1.2 ± 0.14	270 ± 30	7.4 ± 0.29	1700 ± 70
Kamiita-machi, TOKUSHIMA	0～5	0.43 ± 0.11	47 ± 12	2.9 ± 0.18	310 ± 20
Kamiita-machi, TOKUSHIMA	5～20	0.50 ± 0.091	55 ± 10	2.7 ± 0.18	300 ± 20
Sakaide, KAGAWA	0～5	2.0 ± 0.16	57 ± 4.8	13 ± 0.4	390 ± 11
Sakaide, KAGAWA	5～20	1.6 ± 0.16	150 ± 14	1.1 ± 0.12	98 ± 11
Kochi, KOCHI	0～5	4.8 ± 0.30	180 ± 12	18 ± 0.5	670 ± 17
Kochi, KOCHI	5～20	4.5 ± 0.25	330 ± 19	9.4 ± 0.33	700 ± 25
Fukuoka, FUKUOKA	0～5	5.0 ± 0.27	450 ± 24	2.4 ± 0.17	220 ± 16
Fukuoka, FUKUOKA	5～20	1.8 ± 0.17	340 ± 32	0.25 ± 0.074	50 ± 14
Obama-machi, NAGASAKI	0～5	1.4 ± 0.16	47 ± 5.5	37 ± 0.7	1300 ± 20
Obama-machi, NAGASAKI	5～20	2.8 ± 0.24	160 ± 14	19 ± 0.5	1100 ± 30

Location	Sampling depth (cm)	Sr-90 (Bq/kg)	Sr-90 (MBq/km^2)	Cs-137 (Bq/kg)	Cs-137 (MBq/km^2)
Nishihara-mura, KUMAMOTO	0～5	4.1 ± 0.23	86 ± 4.8	57 ± 0.8	1200 ± 20
Nishihara-mura, KUMAMOTO	5～20	4.1 ± 0.26	260 ± 17	13 ± 0.4	870 ± 25
Kuju-machi, OITA	0～5	1.5 ± 0.14	19 ± 1.8	66 ± 0.9	830 ± 11
Kuju-machi, OITA	5～20	1.4 ± 0.14	55 ± 5.6	16 ± 0.4	650 ± 17
Sadowara-machi, MIYAZAKI	0～5	0.83 ± 0.12	30 ± 4.2	1.9 ± 0.16	68 ± 5.7
Sadowara-machi, MIYAZAKI	5～20	0.86 ± 0.13	120 ± 18	2.0 ± 0.16	270 ± 22
Aug. 2001					
Sapporo, HOKKAIDO	0～5	4.5 ± 0.24	86 ± 4.6	28 ± 0.6	540 ± 11
Sapporo, HOKKAIDO	5～20	5.1 ± 0.26	480 ± 25	17 ± 0.5	1600 ± 40
Mutsu, AOMORI	0～5	0.52 ± 0.099	23 ± 4.3	3.6 ± 0.21	160 ± 9
Mutsu, AOMORI	5～20	0.39 ± 0.10	64 ± 16	0.74 ± 0.11	120 ± 18
Takizawa-mura, IWATE	0～5	5.4 ± 0.26	200 ± 10	30 ± 0.6	1100 ± 20
Takizawa-mura, IWATE	5～20	6.7 ± 0.30	830 ± 37	10 ± 0.4	1300 ± 40
Shinjuku, TOKYO	0～5	0.72 ± 0.11	23 ± 3.5	2.6 ± 0.18	81 ± 5.6
Shinjuku, TOKYO	5～20	0.87 ± 0.12	74 ± 10	4.1 ± 0.22	340 ± 19
Kanazawa, ISHIKAWA	0～5	9.2 ± 0.38	290 ± 12	40 ± 0.7	1300 ± 20
Kanazawa, ISHIKAWA	5～20	6.2 ± 0.32	990 ± 50	23 ± 0.5	3700 ± 80
Takane-machi, YAMANASHI	0～5	6.4 ± 0.29	160 ± 8	26 ± 0.5	670 ± 14
Takane-machi, YAMANASHI	5～20	6.1 ± 0.31	610 ± 31	11 ± 0.4	1100 ± 40
Gotenba, SHIZUOKA	0～5	0.62 ± 0.10	23 ± 3.7	8.6 ± 0.32	310 ± 12
Gotenba, SHIZUOKA	5～20	0.12 ± 0.062	9.5 ± 4.9	2.8 ± 0.18	220 ± 15
Shingu, WAKAYAMA	0～5	0.020 ± 0.045	1.7 ± 3.7	1.3 ± 0.13	110 ± 11
Shingu, WAKAYAMA	5～20	0.089 ± 0.055	19 ± 12	0.20 ± 0.076	42 ± 16
Hagi, YAMAGUCHI	0～5	0.91 ± 0.12	47 ± 6.3	4.8 ± 0.24	250 ± 12
Hagi, YAMAGUCHI	5～20	0.92 ± 0.12	140 ± 19	4.5 ± 0.23	710 ± 37
Matsuyama, EHIME	0～5	4.0 ± 0.24	18 ± 1.1	15 ± 0.4	68 ± 1.9
Matsuyama, EHIME	5～20	0.57 ± 0.10	21 ± 3.8	24 ± 0.5	890 ± 19
Saga, SAGA	0～5	0.15 ± 0.069	5.3 ± 2.3	1.3 ± 0.13	43 ± 4.4
Saga, SAGA	5～20	0.26 ± 0.079	27 ± 8.3	0.61 ± 0.099	64 ± 10
Sep. 2001					
Iwadeyama-machi, MIYAGI	0～5	2.8 ± 0.20	110 ± 8	4.2 ± 0.23	160 ± 9
Iwadeyama-machi, MIYAGI	5～20	1.6 ± 0.16	260 ± 27	2.5 ± 0.19	420 ± 31
Akita, AKITA	0～5	3.1 ± 0.22	98 ± 7.1	26 ± 0.6	830 ± 18
Akita, AKITA	5～20	4.0 ± 0.24	550 ± 33	20 ± 0.5	2700 ± 70

Location	Sampling depth (cm)	Sr-90		Cs-137	
		(Bq/kg)	(MBq/km^2)	(Bq/kg)	(MBq/km^2)
Kaimon-machi, KAGOSHIMA	0～5	0.18 ± 0.062	12 ± 4.1	0.46 ± 0.092	30 ± 6.0
Kaimon-machi, KAGOSHIMA	5～20	0.34 ± 0.081	41 ± 9.8	0.90 ± 0.11	110 ± 14

(6) Strontium-90 and Cesium-137 in Seawater
(from Apr. 2001 to Mar. 2002)
Table (6) : Strontium-90 and Cesium-137 in Seawater

Location	Sample Volume analyzed (L)	Cl (‰)	Sr-90 (mBq/L)			Cs-137 (mBq/L)		
Jun. 2001								
Yoichi-bay, HOKKAIDO	40	18.75	1.7	±	0.30	2.0	±	0.33
Jul. 2001								
Soma, FUKUSHIMA	40	17.71	1.3	±	0.28	1.8	±	0.32
Tokai, IBARAKI	40	18.56	1.5	±	0.29	1.9	±	0.34
Ichihara, CHIBA	40	16.24	1.7	±	0.31	1.8	±	0.32
Niigata, NIIGATA	40	18.40	1.7	±	0.32	1.7	±	0.31
Tokoname, AICHI	40	16.4	1.7	±	0.30	1.9	±	0.32
Osaka-Port, OSAKA	40	8.33	1.6	±	0.32	0.80	±	0.25
Aug. 2001								
Mutsu, AOMORI	40	18.72	2.1	±	0.33	2.3	±	0.34
Mutsu-bay, AOMORI	40	16.26	2.1	±	0.33	1.6	±	0.31
Otawa-bay, KANAGAWA	40	16.9	1.3	±	0.29	2.3	±	0.34
Yamaguchi-bay, YAMAGUCHI	40	15.17	1.4	±	0.28	2.1	±	0.33
Kitakyusyu, FUKUOKA	40	19.74	1.5	±	0.31	2.5	±	0.34
Sep. 2001								
Kaseda, KAGOSHIMA	40	17.99	1.3	±	0.29	1.3	±	0.29
Nov. 2001								
White-beach, OKINAWA	40	19.31	1.3	±	0.30	1.9	±	0.32

(7) Strontium-90 and Cesium-137 in Sea sediments
(from Apr. 2001 to Mar. 2002)
Table (7) : Strontium-90 and Cesium-137 in Sea sediments

Location	Depth (m)	Sr-90 (Bq/kg)			Cs-137 (Bq/kg)		
Jun. 2001							
Yoichi-bay, HOKKAIDO	13	0.006	±	0.045	0.42	±	0.083
Jul. 2001							
Soma, FUKUSHIMA	5	0.000	±	0.046	2.0	±	0.16
Tokai, IBARAKI	10	0.044	±	0.050	0.34	±	0.080
Ichihara, CHIBA	15	0.059	±	0.055	2.4	±	0.17
Niigata, NIIGATA	26	0.000	±	0.046	1.0	±	0.12
Tokoname, AICHI	24	0.000	±	0.047	3.0	±	0.20
Osaka-Port, OSAKA	16.6	0.11	±	0.064	1.5	±	0.14
Aug. 2001							
Mutsu, AOMORI	16	0.000	±	0.044	0.011	±	0.057
Mutsu-bay, AOMORI	12	0.24	±	0.076	4.8	±	0.25
Otawa-bay, KANAGAWA	6.4	0.078	±	0.055	1.5	±	0.14
Yamaguchi-bay, YAMAGUCHI	12	0.090	±	0.061	2.8	±	0.18
Kitakyusyu, FUKUOKA	8	0.066	±	0.057	1.8	±	0.16
Sep. 2001							
Kaseda, KAGOSHIMA	7	0.000	±	0.047	0.51	±	0.094
Nov. 2001							
White-beach, OKINAWA	14.2	0.091	±	0.059	0.15	±	0.072

(8) Strontium-90 and Cesium-137 in Total diet
(from Apr. 2001 to Mar. 2002)
Table (8) : Strontium-90 and Cesium-137 in Total diet

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90 (Bq/p/d)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/p/d)	Cs-137 (Bq/g K)
May 2001							
Morioka, IWATE	13.1	333	1630	0.020 ± 0.0077	0.060 ± 0.023	0.065 ± 0.0078	0.040 ± 0.0048
Yamagata, YAMAGATA	12.1	311	1540	0.032 ± 0.0080	0.10 ± 0.026	0.022 ± 0.0057	0.014 ± 0.0037
Sagae, YAMAGATA	11.7	317	1800	0.063 ± 0.012	0.20 ± 0.037	0.063 ± 0.0078	0.035 ± 0.0043
Kyoto, KYOTO	12.2	564	1470	0.012 ± 0.0066	0.021 ± 0.012	0.012 ± 0.0045	0.0079 ± 0.0031
Jun. 2001							
Sapporo, HOKKAIDO	13.4	333	1340	0.047 ± 0.0098	0.14 ± 0.029	0.0071 ± 0.0042	0.0053 ± 0.0032
Iwanai-machi, HOKKAIDO	13.0	582	1890	0.035 ± 0.0081	0.061 ± 0.014	0.039 ± 0.0064	0.021 ± 0.0034
Aomori, AOMORI	19.7	964	3130	0.084 ± 0.013	0.087 ± 0.013	0.048 ± 0.0079	0.015 ± 0.0025
Ajigasawa-machi, AOMORI	18.3	664	2280	0.077 ± 0.012	0.12 ± 0.018	0.028 ± 0.0061	0.012 ± 0.0027
Iwaizumi-machi, IWATE	15.2	402	1630	0.051 ± 0.0093	0.13 ± 0.023	0.027 ± 0.0056	0.017 ± 0.0035
Fukushima, FUKUSHIMA	12.3	419	1660	0.025 ± 0.0081	0.059 ± 0.019	0.035 ± 0.0062	0.021 ± 0.0037
Okuma-machi, FUKUSHIMA	14.2	415	1990	0.053 ± 0.0094	0.13 ± 0.023	0.031 ± 0.0060	0.016 ± 0.0030
Mito, IBARAKI	13.3	481	2140	0.053 ± 0.0096	0.11 ± 0.020	0.030 ± 0.0058	0.014 ± 0.0027
Tokai-mura, IBARAKI	16.5	450	2100	0.032 ± 0.0083	0.071 ± 0.018	0.032 ± 0.0060	0.015 ± 0.0028
Utsunomiya, TOCHIGI	15.1	484	1960	0.043 ± 0.0090	0.090 ± 0.019	0.025 ± 0.0059	0.013 ± 0.0030
Maebashi, GUNMA	15.5	630	2390	0.045 ± 0.010	0.072 ± 0.016	0.047 ± 0.0069	0.020 ± 0.0029
Nakanojo-machi, GUNMA	14.1	382	2060	0.049 ± 0.0095	0.13 ± 0.025	0.028 ± 0.0061	0.013 ± 0.0030
Saitama, SAITAMA	18.3	777	2520	0.030 ± 0.0079	0.039 ± 0.010	0.019 ± 0.0055	0.0076 ± 0.0022
Honjo, SAITAMA	17.3	745	2350	0.041 ± 0.0087	0.055 ± 0.012	0.026 ± 0.0056	0.011 ± 0.0024
Chiba, CHIBA	16.1	414	1810	0.034 ± 0.0087	0.083 ± 0.021	0.023 ± 0.0058	0.012 ± 0.0032
Chikura-machi, CHIBA	19.7	498	2590	0.039 ± 0.0088	0.079 ± 0.018	0.042 ± 0.0067	0.016 ± 0.0026
Shinjuku, TOKYO	9.20	218	948	0.029 ± 0.0076	0.13 ± 0.035	0.0077 ± 0.0043	0.0081 ± 0.0045
Hachijo-machi, TOKYO	10.2	536	1410	0.026 ± 0.0079	0.049 ± 0.015	0.014 ± 0.0049	0.0098 ± 0.0034
Nishikawa-machi, NIIGATA	20.2	840	2810	0.051 ± 0.0094	0.061 ± 0.011	0.019 ± 0.0053	0.0068 ± 0.0019
Kashiwazaki, NIIGATA	10.3	306	1520	0.023 ± 0.0081	0.076 ± 0.027	0.025 ± 0.0057	0.016 ± 0.0037
Toyama, TOYAMA	12.6	388	1830	0.048 ± 0.0095	0.12 ± 0.024	0.019 ± 0.0052	0.010 ± 0.0029
Oyabe, TOYAMA	14.5	536	2210	0.013 ± 0.0071	0.024 ± 0.013	0.019 ± 0.0052	0.0088 ± 0.0024
Kanazawa, ISHIKAWA	11.7	424	1170	0.033 ± 0.0081	0.077 ± 0.019	0.017 ± 0.0051	0.015 ± 0.0044
Torigoe-mura, ISHIKAWA	14.3	510	2130	0.066 ± 0.011	0.13 ± 0.022	0.031 ± 0.0058	0.014 ± 0.0027
Fukui, FUKUI	15.4	383	1960	0.037 ± 0.0083	0.098 ± 0.022	0.013 ± 0.0052	0.0068 ± 0.0027

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90 (Bq/p/d)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/p/d)	Cs-137 (Bq/g K)
Kofu, YAMANASHI	15.6	494	1700	0.019 ± 0.0072	0.038 ± 0.015	0.023 ± 0.0056	0.013 ± 0.0033
Kushigata-machi, YAMANASHI	11.8	358	1700	0.027 ± 0.0083	0.075 ± 0.023	0.025 ± 0.0057	0.015 ± 0.0033
Nagano, NAGANO	16.0	593	2320	0.038 ± 0.0086	0.064 ± 0.014	0.078 ± 0.0089	0.034 ± 0.0038
Sanada-machi, NAGANO	16.1	605	2380	0.032 ± 0.0090	0.053 ± 0.015	0.019 ± 0.0052	0.0082 ± 0.0022
Gifu, GIFU	13.1	456	2320	0.025 ± 0.0077	0.054 ± 0.017	0.019 ± 0.0055	0.0081 ± 0.0024
Takayama, GIFU	13.3	550	2040	0.047 ± 0.0097	0.086 ± 0.018	0.023 ± 0.0055	0.011 ± 0.0027
Shizuoka, SHIZUOKA	13.5	498	1860	0.021 ± 0.0070	0.041 ± 0.014	0.010 ± 0.0047	0.0054 ± 0.0025
Hamaoka-machi, SHIZUOKA	13.4	382	1650	0.022 ± 0.0074	0.057 ± 0.019	0.0042 ± 0.0043	0.0025 ± 0.0026
Nagoya, AICHI	18.1	831	2790	0.041 ± 0.0089	0.049 ± 0.011	0.021 ± 0.0058	0.0074 ± 0.0021
Shinshiro, AICHI	13.9	487	1710	0.046 ± 0.0093	0.095 ± 0.019	0.017 ± 0.0053	0.0099 ± 0.0031
Tsu, MIE	13.5	396	2140	0.073 ± 0.011	0.18 ± 0.029	0.013 ± 0.0052	0.0059 ± 0.0024
Owase, MIE	13.7	476	1880	0.057 ± 0.011	0.12 ± 0.024	0.036 ± 0.0064	0.019 ± 0.0034
Otsu, SHIGA	14.1	601	2010	0.054 ± 0.010	0.091 ± 0.017	0.021 ± 0.0058	0.010 ± 0.0029
Imazu-machi, SHIGA	11.6	446	1440	0.031 ± 0.0084	0.070 ± 0.019	0.0087 ± 0.0041	0.0060 ± 0.0028
Maizuru, KYOTO	14.2	747	2240	0.059 ± 0.0099	0.079 ± 0.013	0.014 ± 0.0048	0.0061 ± 0.0021
Osaka, OSAKA	15.0	636	2360	0.069 ± 0.011	0.11 ± 0.017	0.035 ± 0.0062	0.015 ± 0.0026
Izumiotsu, OSAKA	11.7	387	1820	0.020 ± 0.0071	0.053 ± 0.018	0.039 ± 0.0070	0.022 ± 0.0039
Kakogawa, HYOGO	13.7	602	1680	0.026 ± 0.0084	0.043 ± 0.014	0.012 ± 0.0043	0.0070 ± 0.0026
Hamasaka-machi, HYOGO	14.5	633	1720	0.029 ± 0.0078	0.045 ± 0.012	0.017 ± 0.0060	0.010 ± 0.0035
Kashihara, NARA	13.6	1120	1890	0.035 ± 0.0082	0.031 ± 0.0073	0.0070 ± 0.0052	0.0037 ± 0.0027
Murou-mura, NARA	11.8	501	1460	0.022 ± 0.0072	0.045 ± 0.014	0.021 ± 0.0051	0.014 ± 0.0035
Wakayama, WAKAYAMA	13.0	384	1570	0.034 ± 0.0085	0.088 ± 0.022	0.030 ± 0.0068	0.019 ± 0.0043
Shingu, WAKAYAMA	9.41	206	1180	0.020 ± 0.0084	0.095 ± 0.041	0.013 ± 0.0046	0.011 ± 0.0039
Tottori, TOTTORI	13.8	486	1970	0.027 ± 0.0080	0.056 ± 0.016	0.030 ± 0.0067	0.015 ± 0.0034
Fukube-mura, TOTTORI	14.0	377	1940	0.054 ± 0.0098	0.14 ± 0.026	0.024 ± 0.0057	0.012 ± 0.0029
Kashima-machi, SHIMANE	15.6	702	1950	0.051 ± 0.011	0.073 ± 0.015	0.024 ± 0.0058	0.012 ± 0.0030
Okayama, OKAYAMA	17.0	688	2320	0.030 ± 0.0078	0.043 ± 0.011	0.040 ± 0.0077	0.017 ± 0.0033
Kamisaibara-mura, OKAYAMA	12.9	466	1230	0.075 ± 0.011	0.16 ± 0.025	0.013 ± 0.0048	0.011 ± 0.0039
Hiroshima, HIROSHIMA	13.3	377	1480	0.059 ± 0.0099	0.16 ± 0.026	0.020 ± 0.0052	0.014 ± 0.0035
Miyoshi, HIROSHIMA	11.2	442	1610	0.034 ± 0.0082	0.077 ± 0.019	0.012 ± 0.0055	0.0075 ± 0.0034
Yamaguchi, YAMAGUCHI	13.1	747	1980	0.021 ± 0.0069	0.029 ± 0.0093	0.0097 ± 0.0051	0.0049 ± 0.0025
Tokushima, TOKUSHIMA	14.2	429	2050	0.034 ± 0.0085	0.079 ± 0.020	0.012 ± 0.0054	0.0061 ± 0.0026
Kamiita-machi, TOKUSHIMA	11.2	254	1680	0.013 ± 0.0065	0.053 ± 0.025	0.013 ± 0.0046	0.0076 ± 0.0028
Takamatsu, KAGAWA	9.40	237	1270	0.015 ± 0.0063	0.063 ± 0.027	0.0058 ± 0.0048	0.0046 ± 0.0038

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90 (Bq/p/d)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/p/d)	Cs-137 (Bq/g K)
Marugame, KAGAWA	15.1	342	2030	0.040 ± 0.0088	0.12 ± 0.026	0.013 ± 0.0046	0.0063 ± 0.0023
Matsuyama, EHIME	11.2	386	1590	0.013 ± 0.0076	0.034 ± 0.020	0.016 ± 0.0048	0.010 ± 0.0030
Ikata-machi, EHIME	9.01	360	1230	0.0061 ± 0.0068	0.017 ± 0.019	0.0088 ± 0.0042	0.0072 ± 0.0034
Kochi, KOCHI	15.6	512	2450	0.045 ± 0.0091	0.087 ± 0.018	0.036 ± 0.0070	0.015 ± 0.0028
Saga-machi, KOCHI	12.5	336	1540	0.043 ± 0.0090	0.13 ± 0.027	0.021 ± 0.0052	0.013 ± 0.0034
Dazaifu, FUKUOKA	12.1	299	1600	0.038 ± 0.0096	0.13 ± 0.032	0.023 ± 0.0053	0.014 ± 0.0033
Fukuoka, FUKUOKA	12.1	469	1460	0.044 ± 0.0092	0.093 ± 0.020	0.031 ± 0.0066	0.021 ± 0.0045
Saga, SAGA	11.8	329	1270	0.037 ± 0.0092	0.11 ± 0.028	0.012 ± 0.0043	0.0096 ± 0.0034
Karatsu, SAGA	16.8	908	1880	0.034 ± 0.0085	0.037 ± 0.0093	0.029 ± 0.0059	0.015 ± 0.0031
Nagasaki, NAGASAKI	14.5	577	2230	0.047 ± 0.0095	0.081 ± 0.016	0.043 ± 0.0074	0.019 ± 0.0033
Matsuura, NAGASAKI	11.1	301	1070	0.019 ± 0.0081	0.064 ± 0.027	0.020 ± 0.0051	0.019 ± 0.0047
Kumamoto, KUMAMOTO	14.7	473	1940	0.027 ± 0.0077	0.057 ± 0.016	0.028 ± 0.0064	0.015 ± 0.0033
Tomiai-machi, KUMAMOTO	15.3	503	2160	0.043 ± 0.0095	0.085 ± 0.019	0.028 ± 0.0057	0.013 ± 0.0026
Oita, OITA	15.2	561	1880	0.026 ± 0.0074	0.046 ± 0.013	0.034 ± 0.0070	0.018 ± 0.0037
Saiki, OITA	11.5	321	1370	0.016 ± 0.0089	0.051 ± 0.028	0.018 ± 0.0046	0.013 ± 0.0034
Miyazaki, MIYAZAKI	14.2	295	2100	0.029 ± 0.0081	0.099 ± 0.027	0.011 ± 0.0053	0.0053 ± 0.0025
Sendai, KAGOSHIMA	20.3	477	2170	0.048 ± 0.0096	0.10 ± 0.020	0.030 ± 0.0061	0.014 ± 0.0028
Okuchi, KAGOSHIMA	20.6	564	2620	0.068 ± 0.011	0.12 ± 0.020	0.040 ± 0.0067	0.015 ± 0.0026
Jul. 2001							
Ishinomaki, MIYAGI	18.0	622	2510	0.045 ± 0.0087	0.073 ± 0.014	0.045 ± 0.0071	0.018 ± 0.0028
Onagawa-machi, MIYAGI	19.3	649	2300	0.053 ± 0.0093	0.082 ± 0.014	0.023 ± 0.0057	0.010 ± 0.0025
Yokote, AKITA	10.3	302	1420	0.095 ± 0.027	0.31 ± 0.090	0.041 ± 0.0065	0.029 ± 0.0046
Minamikawachi-machi, TOCHIGI	11.1	502	1900	0.031 ± 0.0079	0.062 ± 0.016	0.018 ± 0.0051	0.0094 ± 0.0027
Yokohama, KANAGAWA	14.1	349	1810	0.032 ± 0.0085	0.093 ± 0.024	0.038 ± 0.0067	0.021 ± 0.0037
Hiratsuka, KANAGAWA	15.5	707	2430	0.053 ± 0.0098	0.074 ± 0.014	0.033 ± 0.0063	0.014 ± 0.0026
Tsuruga, FUKUI	15.0	939	1770	0.026 ± 0.0073	0.028 ± 0.0078	0.014 ± 0.0052	0.0082 ± 0.0030
Matsue, SHIMANE	16.2	617	2390	0.047 ± 0.010	0.076 ± 0.017	0.021 ± 0.0057	0.0088 ± 0.0024
Mine, YAMAGUCHI	14.4	593	1580	0.054 ± 0.011	0.092 ± 0.018	0.021 ± 0.0051	0.013 ± 0.0032
Takachiho-machi, MIYAZAKI	14.2	577	2120	0.040 ± 0.0099	0.069 ± 0.017	0.034 ± 0.0065	0.016 ± 0.0031
Naha, OKINAWA	14.0	387	2130	0.042 ± 0.0089	0.11 ± 0.023	0.0048 ± 0.0048	0.0022 ± 0.0022
Nishihara-machi, OKINAWA	14.5	340	2180	0.046 ± 0.0089	0.14 ± 0.026	0.033 ± 0.0061	0.015 ± 0.0028
Aug. 2001							
Akita, AKITA	13.7	543	1820	0.040 ± 0.0095	0.073 ± 0.018	0.039 ± 0.0067	0.022 ± 0.0037

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90 (Bq/p/d)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/p/d)	Cs-137 (Bq/g K)
Oct. 2001							
Kochi, KOCHI	20.4	579	2590	0.034 ± 0.0096	0.059 ± 0.017	0.069 ± 0.0083	0.027 ± 0.0032
Saga-machi, KOCHI	11.5	321	1730	0.035 ± 0.0097	0.11 ± 0.030	0.018 ± 0.0054	0.010 ± 0.0031
Nagasaki, NAGASAKI	15.9	634	2460	0.043 ± 0.0092	0.067 ± 0.014	0.040 ± 0.0065	0.016 ± 0.0027
Matsuura, NAGASAKI	13.9	334	1400	0.0056 ± 0.0061	0.017 ± 0.018	0.028 ± 0.0057	0.020 ± 0.0041
Nov. 2001							
Iwaizumi-machi, IWATE	17.4	350	1800	0.035 ± 0.0096	0.10 ± 0.028	0.051 ± 0.0070	0.028 ± 0.0039
Ishinomaki, MIYAGI	18.2	648	2200	0.038 ± 0.0082	0.059 ± 0.013	0.029 ± 0.0061	0.013 ± 0.0028
Onagawa-machi, MIYAGI	19.7	831	2680	0.072 ± 0.011	0.087 ± 0.013	0.033 ± 0.0063	0.012 ± 0.0024
Yamagata, YAMAGATA	13.0	247	1350	0.044 ± 0.0095	0.18 ± 0.039	0.027 ± 0.0058	0.020 ± 0.0043
Sagae, YAMAGATA	14.0	251	1500	0.040 ± 0.0092	0.16 ± 0.037	0.036 ± 0.0064	0.024 ± 0.0043
Fukushima, FUKUSHIMA	16.3	351	2280	0.047 ± 0.0098	0.14 ± 0.028	0.018 ± 0.0050	0.0081 ± 0.0022
Okuma-machi, FUKUSHIMA	18.0	620	2580	0.087 ± 0.012	0.14 ± 0.020	0.047 ± 0.0072	0.018 ± 0.0028
Utsunomiya, TOCHIGI	16.3	651	2430	0.054 ± 0.0096	0.083 ± 0.015	0.042 ± 0.0068	0.017 ± 0.0028
Saitama, SAITAMA	16.6	489	1950	0.078 ± 0.012	0.16 ± 0.025	0.020 ± 0.0052	0.010 ± 0.0026
Honjo, SAITAMA	14.5	433	2280	0.051 ± 0.011	0.12 ± 0.025	0.033 ± 0.0058	0.014 ± 0.0025
Chiba, CHIBA	14.4	354	1990	0.038 ± 0.0083	0.11 ± 0.024	0.022 ± 0.0055	0.011 ± 0.0028
Chikura-machi, CHIBA	15.2	451	1940	0.049 ± 0.0090	0.11 ± 0.020	0.018 ± 0.0054	0.0094 ± 0.0028
Yokohama, KANAGAWA	16.5	416	1980	0.057 ± 0.011	0.14 ± 0.026	0.054 ± 0.0071	0.027 ± 0.0036
Hiratsuka, KANAGAWA	13.1	513	2100	0.069 ± 0.012	0.13 ± 0.023	0.049 ± 0.0067	0.023 ± 0.0032
Toyama, TOYAMA	14.0	400	1790	0.046 ± 0.0096	0.11 ± 0.024	0.033 ± 0.0061	0.018 ± 0.0034
Oyabe, TOYAMA	14.8	443	2340	0.029 ± 0.0075	0.065 ± 0.017	0.025 ± 0.0057	0.011 ± 0.0024
Tsuruga, FUKUI	21.7	985	2670	0.052 ± 0.0092	0.053 ± 0.0094	0.021 ± 0.0055	0.0080 ± 0.0021
Nagano, NAGANO	18.4	610	2880	0.046 ± 0.0097	0.075 ± 0.016	0.029 ± 0.0064	0.010 ± 0.0022
Sanada-machi, NAGANO	17.9	755	3130	0.041 ± 0.0095	0.055 ± 0.013	0.059 ± 0.0076	0.019 ± 0.0024
Shizuoka, SHIZUOKA	14.3	505	2100	0.034 ± 0.0088	0.066 ± 0.017	0.019 ± 0.0055	0.0089 ± 0.0026
Hamaoka-machi, SHIZUOKA	13.1	499	1800	0.022 ± 0.0088	0.043 ± 0.018	0.014 ± 0.0048	0.0080 ± 0.0027
Nagoya, AICHI	17.9	512	2480	0.059 ± 0.010	0.12 ± 0.020	0.031 ± 0.0058	0.013 ± 0.0023
Shinshiro, AICHI	15.2	373	1780	0.037 ± 0.0091	0.10 ± 0.024	0.043 ± 0.0065	0.024 ± 0.0037
Owase, MIE	13.9	397	1780	0.024 ± 0.0092	0.060 ± 0.023	0.033 ± 0.0062	0.018 ± 0.0035
Kashihara, NARA	10.6	558	1470	0.039 ± 0.010	0.070 ± 0.018	0.052 ± 0.0069	0.035 ± 0.0047
Murou-mura, NARA	10.7	228	1130	0.035 ± 0.010	0.15 ± 0.045	0.021 ± 0.0048	0.019 ± 0.0042
Kashima-machi, SHIMANE	15.9	859	2480	0.047 ± 0.0091	0.055 ± 0.011	0.026 ± 0.0060	0.010 ± 0.0024
Okayama, OKAYAMA	18.5	820	2380	0.056 ± 0.010	0.068 ± 0.012	0.027 ± 0.0061	0.011 ± 0.0026

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90 (Bq/p/d)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/p/d)	Cs-137 (Bq/g K)
Kamisaibara-mura, OKAYAMA	12.6	422	1520	0.093 ± 0.013	0.22 ± 0.030	0.087 ± 0.0089	0.058 ± 0.0059
Matsuyama, EHIME	10.9	315	1610	0.019 ± 0.0079	0.061 ± 0.025	0.040 ± 0.0062	0.025 ± 0.0039
Ikata-machi, EHIME	9.90	408	1090	0.017 ± 0.0080	0.042 ± 0.020	0.012 ± 0.0046	0.011 ± 0.0042
Dazaifu, FUKUOKA	12.0	295	1660	0.038 ± 0.0084	0.13 ± 0.029	0.018 ± 0.0050	0.011 ± 0.0030
Fukuoka, FUKUOKA	14.5	407	1530	0.040 ± 0.0089	0.099 ± 0.022	0.014 ± 0.0047	0.0093 ± 0.0031
Oita, OITA	12.4	379	1860	0.023 ± 0.010	0.061 ± 0.026	0.029 ± 0.0057	0.016 ± 0.0030
Saiki, OITA	8.85	245	1180	0.018 ± 0.0097	0.075 ± 0.040	0.021 ± 0.0050	0.018 ± 0.0042
Sendai, KAGOSHIMA	15.8	475	2210	0.049 ± 0.0098	0.10 ± 0.021	0.022 ± 0.0056	0.010 ± 0.0025
Okuchi, KAGOSHIMA	18.1	672	2070	0.043 ± 0.0093	0.064 ± 0.014	0.031 ± 0.0061	0.015 ± 0.0030
Dec. 2001							
Sapporo, HOKKAIDO	19.0	665	2490	0.069 ± 0.011	0.10 ± 0.017	0.045 ± 0.0069	0.018 ± 0.0028
Iwanai-machi, HOKKAIDO	13.2	469	1850	0.050 ± 0.016	0.11 ± 0.033	0.044 ± 0.0097	0.024 ± 0.0052
Aomori, AOMORI	19.1	860	2650	0.041 ± 0.0095	0.048 ± 0.011	0.031 ± 0.0056	0.012 ± 0.0021
Ajigasawa-machi, AOMORI	19.0	503	2210	0.047 ± 0.0099	0.093 ± 0.020	0.029 ± 0.0055	0.013 ± 0.0025
Morioka, IWATE	21.6	540	2020	0.032 ± 0.0089	0.060 ± 0.016	0.068 ± 0.0086	0.034 ± 0.0042
Akita, AKITA	14.5	570	2220	0.046 ± 0.010	0.081 ± 0.018	0.022 ± 0.0059	0.0098 ± 0.0027
Yokote, AKITA	11.6	418	1570	0.041 ± 0.0092	0.098 ± 0.022	0.011 ± 0.0050	0.0073 ± 0.0032
Mito, IBARAKI	17.7	590	2480	0.082 ± 0.012	0.14 ± 0.021	0.032 ± 0.0061	0.013 ± 0.0025
Tokai-mura, IBARAKI	16.7	472	2580	0.058 ± 0.011	0.12 ± 0.023	0.042 ± 0.0067	0.016 ± 0.0026
Minamikawachi-machi, TOCHIGI	14.7	475	1880	0.047 ± 0.0091	0.098 ± 0.019	0.024 ± 0.0056	0.013 ± 0.0030
Maebashi, GUNMA	18.3	758	2550	0.062 ± 0.010	0.081 ± 0.013	0.029 ± 0.0058	0.011 ± 0.0023
Nakanojo-machi, GUNMA	11.3	325	1730	0.029 ± 0.0080	0.090 ± 0.025	0.029 ± 0.0058	0.017 ± 0.0034
Shinjuku, TOKYO	12.0	242	1240	0.041 ± 0.0088	0.17 ± 0.036	0.014 ± 0.0050	0.012 ± 0.0041
Hachijo-machi, TOKYO	10.5	343	1550	0.034 ± 0.0084	0.10 ± 0.024	0.025 ± 0.0056	0.016 ± 0.0036
Nishikawa-machi, NIIGATA	22.1	614	2900	0.044 ± 0.012	0.072 ± 0.019	0.038 ± 0.0061	0.013 ± 0.0021
Kashiwazaki, NIIGATA	12.8	489	1580	0.020 ± 0.0076	0.041 ± 0.016	0.029 ± 0.0062	0.018 ± 0.0039
Kanazawa, ISHIKAWA	15.1	562	2280	0.057 ± 0.011	0.10 ± 0.019	0.023 ± 0.0050	0.010 ± 0.0022
Torigoe-mura, ISHIKAWA	14.8	556	2430	0.069 ± 0.012	0.12 ± 0.021	0.054 ± 0.0072	0.022 ± 0.0029
Fukui, FUKUI	18.1	891	2230	0.067 ± 0.010	0.075 ± 0.011	0.019 ± 0.0054	0.0084 ± 0.0024
Kofu, YAMANASHI	15.5	571	2480	0.032 ± 0.0076	0.057 ± 0.013	0.047 ± 0.0070	0.019 ± 0.0028
Kushigata-machi, YAMANASHI	16.7	635	2540	0.037 ± 0.0080	0.058 ± 0.013	0.050 ± 0.0071	0.020 ± 0.0028
Gifu, GIFU	17.9	950	2860	0.043 ± 0.0096	0.045 ± 0.010	0.033 ± 0.0063	0.012 ± 0.0022
Takayama, GIFU	11.3	268	1530	0.034 ± 0.010	0.13 ± 0.038	0.035 ± 0.0061	0.023 ± 0.0040
Tsu, MIE	13.9	448	1890	0.032 ± 0.0094	0.073 ± 0.021	0.026 ± 0.0056	0.014 ± 0.0029

Location	Ash (g/p/d)	Ca (mg/p/d)	K (mg/p/d)	Sr-90 (Bq/p/d)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/p/d)	Cs-137 (Bq/g K)
Otsu, SHIGA	13.8	506	1930	0.029 ± 0.0084	0.058 ± 0.017	0.018 ± 0.0051	0.0092 ± 0.0027
Imazu-machi, SHIGA	14.2	564	1640	0.032 ± 0.0083	0.056 ± 0.015	0.030 ± 0.0061	0.019 ± 0.0037
Kyoto, KYOTO	11.0	429	1390	0.018 ± 0.0074	0.042 ± 0.017	0.019 ± 0.0051	0.014 ± 0.0036
Maizuru, KYOTO	13.7	727	2120	0.066 ± 0.010	0.091 ± 0.014	0.035 ± 0.0063	0.017 ± 0.0030
Osaka, OSAKA	15.3	784	2560	0.057 ± 0.010	0.072 ± 0.013	0.029 ± 0.0060	0.012 ± 0.0023
Izumiotsu, OSAKA	13.2	442	1940	0.041 ± 0.0098	0.093 ± 0.022	0.026 ± 0.0056	0.014 ± 0.0029
Kakogawa, HYOGO	8.17	319	1010	0.015 ± 0.0081	0.048 ± 0.026	0.0086 ± 0.0040	0.0085 ± 0.0040
Hamasaka-machi, HYOGO	14.3	541	1760	0.056 ± 0.0096	0.10 ± 0.018	0.019 ± 0.0051	0.011 ± 0.0029
Wakayama, WAKAYAMA	14.2	337	1670	0.025 ± 0.0079	0.075 ± 0.023	0.019 ± 0.0056	0.011 ± 0.0034
Shingu, WAKAYAMA	8.30	246	831	0.016 ± 0.0072	0.066 ± 0.029	0.0053 ± 0.0043	0.0064 ± 0.0052
Matsue, SHIMANE	15.4	587	2750	0.073 ± 0.011	0.13 ± 0.019	0.019 ± 0.0055	0.0068 ± 0.0020
Hiroshima, HIROSHIMA	13.3	322	1620	0.039 ± 0.0097	0.12 ± 0.030	0.011 ± 0.0046	0.0066 ± 0.0028
Miyoshi, HIROSHIMA	12.2	498	1450	0.063 ± 0.011	0.13 ± 0.022	0.027 ± 0.0058	0.018 ± 0.0040
Yamaguchi, YAMAGUCHI	13.0	430	2010	0.026 ± 0.0090	0.060 ± 0.021	0.024 ± 0.0050	0.012 ± 0.0025
Tokushima, TOKUSHIMA	18.2	501	2440	0.051 ± 0.010	0.10 ± 0.020	0.028 ± 0.0054	0.011 ± 0.0022
Kamiita-machi, TOKUSHIMA	14.3	562	2020	0.039 ± 0.0094	0.069 ± 0.017	0.015 ± 0.0047	0.0073 ± 0.0023
Takamatsu, KAGAWA	11.8	267	1730	0.035 ± 0.0093	0.13 ± 0.035	0.013 ± 0.0053	0.0075 ± 0.0031
Marugame, KAGAWA	15.2	522	2250	0.048 ± 0.010	0.092 ± 0.019	0.013 ± 0.0055	0.0060 ± 0.0024
Saga, SAGA	12.1	528	1700	0.028 ± 0.0084	0.052 ± 0.016	0.016 ± 0.0050	0.0094 ± 0.0030
Karatsu, SAGA	16.9	500	2270	0.065 ± 0.011	0.13 ± 0.022	0.045 ± 0.0070	0.020 ± 0.0031
Kumamoto, KUMAMOTO	16.5	543	2230	0.053 ± 0.010	0.098 ± 0.019	0.042 ± 0.0069	0.019 ± 0.0031
Tomiai-machi, KUMAMOTO	16.9	477	2450	0.056 ± 0.010	0.12 ± 0.022	0.026 ± 0.0068	0.010 ± 0.0028
Miyazaki, MIYAZAKI	14.0	408	1790	0.034 ± 0.0089	0.084 ± 0.022	0.034 ± 0.0057	0.019 ± 0.0032
Takachiho-machi, MIYAZAKI	19.2	608	2300	0.087 ± 0.012	0.14 ± 0.019	0.094 ± 0.0089	0.041 ± 0.0039
Jan. 2002							
Mine, YAMAGUCHI	13.7	447	2000	0.057 ± 0.012	0.13 ± 0.026	0.025 ± 0.0051	0.012 ± 0.0026
Feb. 2002							
Naha, OKINAWA	13.2	395	2090	0.032 ± 0.0082	0.082 ± 0.021	0.016 ± 0.0056	0.0077 ± 0.0027
Nishihara-machi, OKINAWA	12.9	445	1810	0.043 ± 0.0086	0.097 ± 0.019	0.015 ± 0.0051	0.0081 ± 0.0028

(9)-1

Strontium-90 and Cesium-137 in Rice (producing districts)
(from Apr. 2001 to Mar. 2002)

Table (9)-1 : Strontium-90 and Cesium-137 in Rice (producing districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Aug. 2001							
Chiba, CHIBA	0.505	0.021	0.889	0.0086 ± 0.0052	0.42 ± 0.25	0.0000 ± 0.0034	0.0000 ± 0.0038
Gifu, GIFU	0.521	0.026	0.880	0.016 ± 0.0062	0.61 ± 0.24	0.0000 ± 0.0039	0.0000 ± 0.0044
Sadowara-machi, MIYAZAKI	0.703	0.052	1.01	0.0000 ± 0.0053	0.00 ± 0.10	0.0000 ± 0.0035	0.0000 ± 0.0035
Sep. 2001							
Uchinada-machi, ISHIKAWA	0.397	0.019	0.703	0.0085 ± 0.0069	0.45 ± 0.36	0.0000 ± 0.0030	0.0000 ± 0.0043
Matsusaka, MIE	0.587	0.023	0.992	0.0027 ± 0.0048	0.12 ± 0.21	0.0012 ± 0.0036	0.0012 ± 0.0037
Miki-machi, KAGAWA	0.528	0.025	0.766	0.011 ± 0.0067	0.43 ± 0.27	0.0000 ± 0.0037	0.0000 ± 0.0048
Oct. 2001							
Mito, IBARAKI	0.464	0.025	0.677	0.0074 ± 0.0071	0.30 ± 0.29	0.031 ± 0.0062	0.046 ± 0.0091
Maki-machi, NIIGATA	0.516	0.044	0.671	0.0096 ± 0.0064	0.22 ± 0.14	0.012 ± 0.0049	0.018 ± 0.0072
Kosugi-machi, TOYAMA	0.419	0.054	0.696	0.0075 ± 0.0062	0.14 ± 0.11	0.013 ± 0.0046	0.018 ± 0.0066
Toyoshina-machi, NAGANO	0.438	0.043	0.775	0.0059 ± 0.0047	0.14 ± 0.11	0.0012 ± 0.0033	0.0015 ± 0.0043
Shiga-machi, SHIGA	0.525	0.025	1.02	0.0000 ± 0.0057	0.00 ± 0.23	0.053 ± 0.0076	0.052 ± 0.0074
Yamaguchi, YAMAGUCHI	0.533	0.024	0.810	0.0046 ± 0.0057	0.20 ± 0.24	0.0051 ± 0.0045	0.0063 ± 0.0055
Saga, SAGA	0.466	0.038	0.825	0.0096 ± 0.0051	0.25 ± 0.13	0.010 ± 0.0043	0.012 ± 0.0052
Koshi-machi, KUMAMOTO	0.452	0.027	0.565	0.0018 ± 0.0044	0.07 ± 0.16	0.0043 ± 0.0036	0.0077 ± 0.0064
Nov. 2001							
Ishikari, HOKKAIDO	0.470	0.019	0.780	0.0055 ± 0.0052	0.29 ± 0.27	0.0065 ± 0.0041	0.0083 ± 0.0052
Takizawa-mura, IWATE	0.547	0.043	0.941	0.013 ± 0.0057	0.30 ± 0.13	0.077 ± 0.0084	0.082 ± 0.0090
Ishinomaki, MIYAGI	0.465	0.036	0.772	0.0000 ± 0.0044	0.00 ± 0.12	0.0000 ± 0.0030	0.0000 ± 0.0039
Fukushima, FUKUSHIMA	0.600	0.054	1.01	0.0000 ± 0.0050	0.000 ± 0.091	0.13 ± 0.011	0.13 ± 0.011
Utsunomiya, TOCHIGI	0.719	0.039	1.01	0.0000 ± 0.0059	0.00 ± 0.15	0.0045 ± 0.0036	0.0044 ± 0.0036
Maebashi, GUNMA	0.425	0.036	0.727	0.0031 ± 0.0046	0.09 ± 0.13	0.014 ± 0.0044	0.019 ± 0.0061
Kashihara, NARA	0.659	0.045	1.05	0.0028 ± 0.0061	0.06 ± 0.13	0.0053 ± 0.0037	0.0050 ± 0.0035
Usa, OITA	0.531	0.028	0.738	0.0000 ± 0.0047	0.00 ± 0.17	0.0004 ± 0.0030	0.0005 ± 0.0040
Dec. 2001							
Takane-machi, YAMANASHI	0.568	0.050	0.869	0.0053 ± 0.0056	0.11 ± 0.11	0.017 ± 0.0052	0.020 ± 0.0060
Kasai, HYOGO	0.328	0.035	0.604	0.013 ± 0.0053	0.37 ± 0.15	0.0009 ± 0.0031	0.0014 ± 0.0051
Chikushino, FUKUOKA	0.504	0.056	0.675	0.0000 ± 0.0049	0.000 ± 0.086	0.076 ± 0.0086	0.11 ± 0.013

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Jan. 2002							
Ishii-machi, TOKUSHIMA	0.474	0.055	0.920	0.0014 ± 0.0052	0.025 ± 0.095	0.0000 ± 0.0034	0.0000 ± 0.0037

(9)-2

Strontium-90 and Cesium-137 in Rice (consuming districts)
(from Apr. 2001 to Mar. 2002)

Table (9)-2 : Strontium-90 and Cesium-137 in Rice (consuming districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Sep. 2001							
Shingu, WAKAYAMA	0.439	0.022	0.685	0.013 ± 0.0064	0.60 ± 0.29	0.016 ± 0.0049	0.023 ± 0.0072
Oct. 2001							
Akita, AKITA	0.364	0.018	0.586	0.0029 ± 0.0052	0.16 ± 0.28	0.021 ± 0.0052	0.035 ± 0.0088
Saitama, SAITAMA	0.413	0.021	0.657	0.0039 ± 0.0063	0.19 ± 0.31	0.0044 ± 0.0044	0.0066 ± 0.0066
Shinjuku, TOKYO	0.487	0.043	0.813	0.012 ± 0.0051	0.29 ± 0.12	0.023 ± 0.0052	0.029 ± 0.0064
Yokohama, KANAGAWA	0.457	0.020	0.704	0.0062 ± 0.0049	0.32 ± 0.25	0.012 ± 0.0050	0.017 ± 0.0070
Niigata, NIIGATA	0.539	0.049	0.561	0.0014 ± 0.0054	0.03 ± 0.11	0.014 ± 0.0050	0.026 ± 0.0089
Fukui, FUKUI	0.393	0.021	0.715	0.013 ± 0.0059	0.63 ± 0.29	0.0079 ± 0.0046	0.011 ± 0.0064
Kyoto, KYOTO	0.270	0.038	0.475	0.0000 ± 0.0046	0.00 ± 0.12	0.0030 ± 0.0039	0.0064 ± 0.0082
Hiroshima, HIROSHIMA	0.529	0.029	0.714	0.0000 ± 0.0048	0.00 ± 0.17	0.0006 ± 0.0052	0.0008 ± 0.0073
Matsuyama, EHIME	0.446	0.039	0.781	0.0006 ± 0.0044	0.02 ± 0.11	0.0012 ± 0.0032	0.0015 ± 0.0041
Yonashiro-machi, OKINAWA	0.497	0.039	0.954	0.012 ± 0.0051	0.29 ± 0.13	0.015 ± 0.0045	0.016 ± 0.0047
Nov. 2001							
Sapporo, HOKKAIDO	0.524	0.019	0.891	0.0097 ± 0.0058	0.50 ± 0.30	0.020 ± 0.0053	0.023 ± 0.0059
Yamagata, YAMAGATA	0.505	0.026	0.793	0.0014 ± 0.0054	0.05 ± 0.21	0.013 ± 0.0046	0.017 ± 0.0058
Shizuoka, SHIZUOKA	0.440	0.024	0.598	0.0088 ± 0.0064	0.37 ± 0.27	0.0000 ± 0.0030	0.0000 ± 0.0050
Osaka, OSAKA	0.409	0.034	0.753	0.0020 ± 0.0047	0.06 ± 0.14	0.0050 ± 0.0036	0.0066 ± 0.0048
Kobe, HYOGO	0.536	0.038	0.879	0.013 ± 0.0053	0.34 ± 0.14	0.013 ± 0.0042	0.015 ± 0.0048
Dec. 2001							
Nagoya, AICHI	0.453	0.044	0.770	0.014 ± 0.0051	0.32 ± 0.11	0.017 ± 0.0044	0.022 ± 0.0057
Tottori, TOTTORI	0.563	0.051	0.721	0.0056 ± 0.0061	0.11 ± 0.12	0.064 ± 0.0079	0.088 ± 0.011
Matsue, SHIMANE	0.414	0.038	0.745	0.015 ± 0.0058	0.40 ± 0.15	0.030 ± 0.0056	0.040 ± 0.0075
Seto-machi, OKAYAMA	0.448	0.052	0.878	0.0000 ± 0.0043	0.000 ± 0.084	0.011 ± 0.0047	0.013 ± 0.0054
Kasuga, FUKUOKA	0.411	0.048	0.785	0.0000 ± 0.0052	0.00 ± 0.11	0.010 ± 0.0046	0.013 ± 0.0058
Kagoshima, KAGOSHIMA	0.544	0.058	0.772	0.0000 ± 0.0050	0.000 ± 0.086	0.062 ± 0.0079	0.081 ± 0.010
Jan. 2002							
Hirosaki, AOMORI	0.480	0.053	1.01	0.0053 ± 0.0056	0.10 ± 0.10	0.0048 ± 0.0043	0.0048 ± 0.0043
Kochi, KOCHI	0.408	0.041	0.771	0.010 ± 0.0055	0.26 ± 0.13	0.017 ± 0.0048	0.022 ± 0.0062
Mar. 2002							
Nagasaki, NAGASAKI	0.388	0.047	0.726	0.0026 ± 0.0052	0.06 ± 0.11	0.0040 ± 0.0042	0.0055 ± 0.0058

(10)-1

Strontium-90 and Cesium-137 in Milk (producing districts)
(from Apr. 2001 to Mar. 2002)

Table (10)-1 : Strontium-90 and Cesium-137 in Milk (producing districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
May 2001							
Sapporo, HOKKAIDO	0.748	1.31	1.61	0.027 ± 0.0074	0.021 ± 0.0056	0.025 ± 0.0057	0.015 ± 0.0035
Hachijo-machi, TOKYO	0.718	1.02	1.41	0.019 ± 0.0073	0.018 ± 0.0071	0.0060 ± 0.0040	0.0043 ± 0.0029
Iwamuro-mura, NIIGATA	0.732	1.08	1.54	0.032 ± 0.0081	0.030 ± 0.0075	0.0089 ± 0.0047	0.0057 ± 0.0031
Katsuyama, FUKUI	0.704	1.07	1.61	0.013 ± 0.0071	0.012 ± 0.0066	0.0021 ± 0.0045	0.0013 ± 0.0028
Sakai, Habikino, OSAKA	0.726	1.08	1.46	0.024 ± 0.0076	0.022 ± 0.0070	0.0092 ± 0.0044	0.0063 ± 0.0030
Matsue, SHIMANE	0.716	1.11	1.51	0.018 ± 0.0071	0.016 ± 0.0064	0.0000 ± 0.0041	0.0000 ± 0.0027
Chiyoda-machi, HIROSHIMA	0.713	1.08	1.47	0.026 ± 0.0076	0.024 ± 0.0071	0.0046 ± 0.0039	0.0031 ± 0.0027
Kochi-KOCHI	0.735	1.12	1.60	0.023 ± 0.0074	0.021 ± 0.0066	0.021 ± 0.0053	0.013 ± 0.0033
Yasu-machi, FUKUOKA	0.721	1.10	1.56	0.029 ± 0.0078	0.026 ± 0.0071	0.0000 ± 0.0041	0.0000 ± 0.0027
Yamato-machi, SAGA	0.738	1.13	1.54	0.026 ± 0.0083	0.023 ± 0.0074	0.0000 ± 0.0041	0.0000 ± 0.0026
Kajiki-machi, KAGOSHIMA	0.736	1.15	1.60	0.022 ± 0.0079	0.019 ± 0.0069	0.019 ± 0.0055	0.012 ± 0.0034
Jul. 2001							
Ouda-machi, NARA	0.666	1.03	1.32	0.022 ± 0.0070	0.021 ± 0.0068	0.0000 ± 0.0033	0.0000 ± 0.0025
Aug. 2001							
Sapporo, HOKKAIDO	0.716	1.17	1.52	0.025 ± 0.0076	0.021 ± 0.0065	0.031 ± 0.0065	0.021 ± 0.0043
Aomori, AOMORI	0.717	1.04	1.57	0.060 ± 0.0099	0.058 ± 0.0096	0.050 ± 0.0071	0.031 ± 0.0045
Takizawa-mura, IWATE	0.731	1.08	1.64	0.023 ± 0.0070	0.021 ± 0.0064	0.033 ± 0.0060	0.020 ± 0.0037
Mito, IBARAKI	0.725	1.11	1.50	0.031 ± 0.0086	0.028 ± 0.0078	0.0015 ± 0.0042	0.0010 ± 0.0028
Nishinasuno-machi, TOCHIGI	0.659	1.02	1.55	0.041 ± 0.0087	0.041 ± 0.0086	0.019 ± 0.0054	0.012 ± 0.0035
Fujimi-mura, GUNMA	0.707	1.13	1.53	0.031 ± 0.0082	0.027 ± 0.0073	0.0079 ± 0.0044	0.0052 ± 0.0029
Yachimata, CHIBA	0.731	1.03	1.56	0.025 ± 0.0080	0.024 ± 0.0078	0.0042 ± 0.0040	0.0027 ± 0.0026
Hachijo-machi, TOKYO	0.732	1.02	1.32	0.021 ± 0.0076	0.021 ± 0.0075	0.0060 ± 0.0045	0.0045 ± 0.0034
Iwamuro-mura, NIIGATA	0.739	1.09	1.55	0.040 ± 0.0086	0.037 ± 0.0079	0.0097 ± 0.0048	0.0063 ± 0.0031
Tonami, TOYAMA	0.703	1.07	1.54	0.017 ± 0.0072	0.016 ± 0.0068	0.051 ± 0.0074	0.033 ± 0.0048
Oshimizu-machi, ISHIKAWA	0.745	1.17	1.54	0.032 ± 0.0079	0.028 ± 0.0068	0.010 ± 0.0053	0.0065 ± 0.0034
Katsuyama, FUKUI	0.733	1.09	1.89	0.030 ± 0.0079	0.027 ± 0.0073	0.014 ± 0.0056	0.0076 ± 0.0029
Takane-machi, YAMANASHI	0.668	1.05	1.47	0.0000 ± 0.0046	0.0000 ± 0.0044	0.0007 ± 0.0039	0.0005 ± 0.0027
Kasamatsu-machi, GIFU	0.659	1.07	1.41	0.020 ± 0.0067	0.019 ± 0.0063	0.013 ± 0.0049	0.0091 ± 0.0035
Ouchiyama-mura, MIE	0.732	1.16	1.57	0.019 ± 0.0069	0.016 ± 0.0059	0.0008 ± 0.0042	0.0005 ± 0.0027
Hino-machi, SHIGA	0.718	1.13	1.62	0.018 ± 0.0067	0.016 ± 0.0059	0.0000 ± 0.0037	0.0000 ± 0.0023

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
Sakai, Habikino, OSAKA	0.721	1.09	1.48	0.018 ± 0.0071	0.017 ± 0.0065	0.0028 ± 0.0044	0.0019 ± 0.0030
Mihara-machi, HYOGO	0.707	1.13	1.44	0.0087 ± 0.0059	0.0077 ± 0.0052	0.0046 ± 0.0044	0.0032 ± 0.0031
Matsue, SHIMANE	0.747	1.14	1.50	0.016 ± 0.0071	0.014 ± 0.0062	0.013 ± 0.0055	0.0089 ± 0.0036
Chiyoda-machi, HIROSHIMA	0.714	1.10	1.50	0.013 ± 0.0064	0.012 ± 0.0058	0.014 ± 0.0049	0.0091 ± 0.0032
Kamiita-machi, TOKUSHIMA	0.721	1.06	1.58	0.0000 ± 0.0050	0.0000 ± 0.0047	0.0063 ± 0.0040	0.0040 ± 0.0025
Takase-machi, KAGAWA	0.726	1.08	1.48	0.019 ± 0.0073	0.018 ± 0.0068	0.011 ± 0.0044	0.0074 ± 0.0030
Kawauchi-machi, EHIME	0.667	1.01	1.42	0.027 ± 0.0072	0.026 ± 0.0071	0.012 ± 0.0045	0.0087 ± 0.0032
Kochi-KOCHI	0.727	1.08	1.65	0.021 ± 0.0065	0.020 ± 0.0060	0.033 ± 0.0063	0.020 ± 0.0038
Yasu-machi, FUKUOKA	0.705	1.06	1.49	0.020 ± 0.0072	0.019 ± 0.0068	0.0000 ± 0.0038	0.0000 ± 0.0025
Koshi-machi, KUMAMOTO	0.699	1.05	1.60	0.012 ± 0.0057	0.012 ± 0.0055	0.0000 ± 0.0037	0.0000 ± 0.0023
Kuju-machi, OITA	0.701	1.06	1.54	0.0099 ± 0.0057	0.0093 ± 0.0054	0.046 ± 0.0070	0.030 ± 0.0045
Takaharu-machi, MIYAZAKI	0.701	1.05	1.58	0.0039 ± 0.0052	0.0037 ± 0.0050	0.010 ± 0.0046	0.0064 ± 0.0029
Kajiki-machi, KAGOSHIMA	0.740	1.14	1.60	0.016 ± 0.0074	0.014 ± 0.0065	0.026 ± 0.0059	0.017 ± 0.0037
Oct. 2001							
Yamato-machi, SAGA	0.738	1.11	1.60	0.010 ± 0.0065	0.0091 ± 0.0059	0.0030 ± 0.0043	0.0019 ± 0.0027
Nov. 2001							
Sapporo, HOKKAIDO	0.713	1.20	1.56	0.030 ± 0.0088	0.025 ± 0.0073	0.012 ± 0.0050	0.0080 ± 0.0032
Hachijo-machi, TOKYO	0.768	1.12	1.38	0.017 ± 0.0074	0.016 ± 0.0066	0.0094 ± 0.0044	0.0068 ± 0.0032
Iwamuro-mura, NIIGATA	0.736	1.07	1.58	0.014 ± 0.0063	0.013 ± 0.0058	0.011 ± 0.0044	0.0069 ± 0.0027
Katsuyama, FUKUI	0.749	1.15	1.55	0.013 ± 0.0076	0.011 ± 0.0066	0.012 ± 0.0049	0.0076 ± 0.0032
Sakai, Habikino, OSAKA	0.724	1.11	1.38	0.027 ± 0.0073	0.024 ± 0.0066	0.0077 ± 0.0041	0.0056 ± 0.0029
Matsue, SHIMANE	0.754	1.26	1.46	0.022 ± 0.0078	0.018 ± 0.0062	0.0000 ± 0.0038	0.0000 ± 0.0026
Chiyoda-machi, HIROSHIMA	0.741	1.16	1.55	0.019 ± 0.0064	0.016 ± 0.0055	0.012 ± 0.0046	0.0078 ± 0.0029
Kochi-KOCHI	0.744	1.12	1.64	0.023 ± 0.0078	0.020 ± 0.0070	0.46 ± 0.019	0.28 ± 0.012
Yasu-machi, FUKUOKA	0.724	1.10	1.55	0.025 ± 0.0080	0.022 ± 0.0073	0.0008 ± 0.0042	0.0005 ± 0.0027
Dec. 2001							
Kajiki-machi, KAGOSHIMA	0.751	1.20	1.64	0.0097 ± 0.0050	0.0081 ± 0.0042	0.012 ± 0.0050	0.0075 ± 0.0031
Jan. 2002							
Sakai, Habikino, OSAKA	0.726	1.17	1.36	0.029 ± 0.0080	0.025 ± 0.0069	0.0068 ± 0.0042	0.0050 ± 0.0031
Feb. 2002							
Sapporo, HOKKAIDO	0.732	1.18	1.65	0.035 ± 0.0078	0.030 ± 0.0066	0.045 ± 0.0071	0.028 ± 0.0043
Aomori, AOMORI	0.725	1.15	1.51	0.020 ± 0.0064	0.017 ± 0.0056	0.029 ± 0.0058	0.019 ± 0.0038
Takizawa-mura, IWATE	0.751	1.16	1.50	0.039 ± 0.0080	0.034 ± 0.0069	0.044 ± 0.0068	0.029 ± 0.0045
Mito, IBARAKI	0.759	1.14	1.51	0.015 ± 0.0060	0.013 ± 0.0053	0.0000 ± 0.0032	0.0000 ± 0.0021

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
Fujimi-mura, GUNMA	0.733	1.18	1.59	0.011 ± 0.0061	0.0096 ± 0.0052	0.0021 ± 0.0038	0.0013 ± 0.0024
Yachimata, CHIBA	0.735	1.06	1.55	0.0000 ± 0.0054	0.0000 ± 0.0051	0.0058 ± 0.0042	0.0037 ± 0.0027
Hachijo-machi, TOKYO	0.730	1.07	1.24	0.030 ± 0.0075	0.028 ± 0.0070	0.024 ± 0.0057	0.019 ± 0.0046
Iwamuro-mura, NIIGATA	0.752	1.14	1.61	0.016 ± 0.0064	0.014 ± 0.0057	0.013 ± 0.0045	0.0084 ± 0.0028
Tonami, TOYAMA	0.693	1.11	1.53	0.0029 ± 0.0057	0.0026 ± 0.0051	0.016 ± 0.0053	0.010 ± 0.0035
Oshimizu-machi, ISHIKAWA	0.775	1.17	1.67	0.023 ± 0.0073	0.020 ± 0.0062	0.0080 ± 0.0041	0.0048 ± 0.0025
Katsuyama, FUKUI	0.789	1.11	1.55	0.018 ± 0.0070	0.016 ± 0.0063	0.014 ± 0.0051	0.0092 ± 0.0033
Kasamatsu-machi, GIFU	0.743	1.26	1.54	0.0094 ± 0.0062	0.0075 ± 0.0049	0.0074 ± 0.0043	0.0048 ± 0.0028
Ouchiyama-mura, MIE	0.738	1.22	1.54	0.019 ± 0.0067	0.015 ± 0.0055	0.0047 ± 0.0046	0.0030 ± 0.0030
Hino-machi, SHIGA	0.744	1.24	1.57	0.030 ± 0.0078	0.025 ± 0.0063	0.0000 ± 0.0039	0.0000 ± 0.0025
Mihara-machi, HYOGO	0.722	1.11	1.57	0.011 ± 0.0064	0.0095 ± 0.0057	0.010 ± 0.0051	0.0067 ± 0.0033
Ouda-machi, NARA	0.713	1.11	1.45	0.0094 ± 0.0059	0.0085 ± 0.0053	0.0004 ± 0.0039	0.0003 ± 0.0027
Matsue, SHIMANE	0.711	1.12	1.42	0.043 ± 0.0090	0.039 ± 0.0080	0.0019 ± 0.0042	0.0014 ± 0.0030
Chiyoda-machi, HIROSHIMA	0.717	1.16	1.52	0.022 ± 0.0065	0.019 ± 0.0056	0.012 ± 0.0047	0.0077 ± 0.0031
Takase-machi, KAGAWA	0.752	1.16	1.61	0.022 ± 0.0065	0.019 ± 0.0056	0.0011 ± 0.0041	0.0007 ± 0.0025
Kawauchi-machi, EHIME	0.715	1.19	1.49	0.028 ± 0.0073	0.023 ± 0.0061	0.0037 ± 0.0040	0.0025 ± 0.0027
Kochi-KOCHI	0.765	1.18	1.58	0.039 ± 0.0086	0.033 ± 0.0073	0.069 ± 0.0080	0.044 ± 0.0051
Yasu-machi, FUKUOKA	0.728	1.16	1.55	0.018 ± 0.0060	0.016 ± 0.0052	0.0008 ± 0.0039	0.0005 ± 0.0025
Koshi-machi, KUMAMOTO	0.736	1.19	1.64	0.018 ± 0.0065	0.015 ± 0.0055	0.012 ± 0.0048	0.0072 ± 0.0030
Kuju-machi, OITA	0.739	1.14	1.58	0.0051 ± 0.0053	0.0045 ± 0.0047	0.045 ± 0.0068	0.028 ± 0.0043
Takaharu-machi, MIYAZAKI	0.732	1.17	1.58	0.012 ± 0.0057	0.010 ± 0.0048	0.022 ± 0.0054	0.014 ± 0.0034
Kajiki-machi, KAGOSHIMA	0.747	1.18	1.59	0.020 ± 0.0061	0.017 ± 0.0052	0.012 ± 0.0049	0.0076 ± 0.0031
Mar. 2002							
Nishinasuno-machi, TOCHIGI	0.637	0.987	1.41	0.020 ± 0.0068	0.021 ± 0.0069	0.0098 ± 0.0043	0.0070 ± 0.0030
Takane-machi, YAMANASHI	0.737	1.21	1.55	0.028 ± 0.0073	0.023 ± 0.0061	0.0057 ± 0.0044	0.0037 ± 0.0029
Kamiita-machi, TOKUSHIMA	0.743	1.21	1.61	0.013 ± 0.0059	0.011 ± 0.0049	0.0004 ± 0.0040	0.0003 ± 0.0025

(10)-2

Strontium-90 and Cesium-137 in Milk (consuming districts)
(from Apr. 2001 to Mar. 2002)

Table (10)-2 : Strontium-90 and Cesium-137 in Milk (consuming districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
May 2001							
Rifu-machi, MIYAGI	0.751	1.11	1.60	0.018 ± 0.0079	0.016 ± 0.0071	0.0082 ± 0.0047	0.0051 ± 0.0029
Kyoto, KYOTO	0.740	1.18	1.58	0.022 ± 0.0067	0.019 ± 0.0056	0.0000 ± 0.0035	0.0000 ± 0.0022
Jun. 2001							
Fukushima, FUKUSHIMA	0.728	1.11	1.53	0.025 ± 0.0072	0.023 ± 0.0065	0.0054 ± 0.0049	0.0035 ± 0.0032
Aug. 2001							
Sapporo, HOKKAIDO	0.733	1.13	1.62	0.035 ± 0.0082	0.031 ± 0.0073	0.066 ± 0.0079	0.041 ± 0.0049
Akita, AKITA	0.698	1.07	1.50	0.026 ± 0.0069	0.024 ± 0.0064	0.0096 ± 0.0043	0.0064 ± 0.0029
Yamagata, YAMAGATA	0.720	1.09	1.60	0.022 ± 0.0074	0.021 ± 0.0067	0.013 ± 0.0049	0.0079 ± 0.0030
Saitama, SAITAMA	0.721	1.10	1.59	0.021 ± 0.0072	0.019 ± 0.0066	0.011 ± 0.0047	0.0070 ± 0.0030
Shinjuku, TOKYO	0.700	1.05	1.53	0.011 ± 0.0070	0.011 ± 0.0066	0.0079 ± 0.0043	0.0052 ± 0.0028
Yokohama, KANAGAWA	0.737	1.12	1.59	0.010 ± 0.0069	0.0092 ± 0.0062	0.016 ± 0.0050	0.010 ± 0.0031
Niigata, NIIGATA	0.737	1.11	1.53	0.045 ± 0.0093	0.040 ± 0.0084	0.0057 ± 0.0044	0.0037 ± 0.0029
Nagano, NAGANO	0.708	1.12	1.53	0.022 ± 0.0067	0.020 ± 0.0060	0.014 ± 0.0053	0.0092 ± 0.0035
Shizuoka, SHIZUOKA	0.731	1.13	1.52	0.015 ± 0.0069	0.013 ± 0.0061	0.0034 ± 0.0043	0.0023 ± 0.0028
Nagoya, AICHI	0.728	1.15	1.55	0.022 ± 0.0069	0.019 ± 0.0060	0.0000 ± 0.0040	0.0000 ± 0.0026
Osaka, OSAKA	0.723	1.16	1.50	0.019 ± 0.0071	0.016 ± 0.0061	0.030 ± 0.0064	0.020 ± 0.0043
Tohaku-machi, TOTTORI	0.702	1.07	1.49	0.011 ± 0.0062	0.011 ± 0.0058	0.0079 ± 0.0045	0.0053 ± 0.0030
Matsue, SHIMANE	0.736	1.10	1.59	0.029 ± 0.0081	0.026 ± 0.0074	0.0007 ± 0.0042	0.0005 ± 0.0027
Okayama, OKAYAMA	0.733	1.09	1.50	0.016 ± 0.0067	0.015 ± 0.0062	0.019 ± 0.0054	0.013 ± 0.0036
Hiroshima, HIROSHIMA	0.719	1.11	1.56	0.042 ± 0.0092	0.038 ± 0.0083	0.21 ± 0.013	0.13 ± 0.009
Yamaguchi, YAMAGUCHI	0.721	1.09	1.48	0.013 ± 0.0067	0.012 ± 0.0061	0.014 ± 0.0047	0.0095 ± 0.0032
Kawauchi-machi, EHIME	0.643	0.966	1.38	0.0091 ± 0.0057	0.0094 ± 0.0059	0.0068 ± 0.0039	0.0049 ± 0.0028
Kochi-KOCHI	0.729	1.09	1.53	0.043 ± 0.0087	0.040 ± 0.0079	0.0000 ± 0.0042	0.0000 ± 0.0027
Chikushino, FUKUOKA	0.691	1.05	1.52	0.018 ± 0.0062	0.017 ± 0.0059	0.0087 ± 0.0047	0.0057 ± 0.0031
Nagasaki, NAGASAKI	0.700	1.07	1.54	0.015 ± 0.0059	0.014 ± 0.0056	0.010 ± 0.0048	0.0065 ± 0.0031
Kagoshima, KAGOSHIMA	0.729	1.10	1.59	0.013 ± 0.0073	0.012 ± 0.0066	0.0055 ± 0.0044	0.0035 ± 0.0027
Yonashiro-machi, OKINAWA	0.679	1.03	1.51	0.021 ± 0.0070	0.020 ± 0.0068	0.0079 ± 0.0045	0.0052 ± 0.0030
Sep. 2001							
Rifu-machi, MIYAGI	0.726	1.08	1.55	0.020 ± 0.0079	0.019 ± 0.0073	0.014 ± 0.0051	0.0092 ± 0.0033
Fukui, FUKUI	0.732	1.11	1.56	0.036 ± 0.0082	0.033 ± 0.0074	0.024 ± 0.0062	0.016 ± 0.0040

Location	Ash	Ca	K	Sr-90		Cs-137	
	(w/v%)	(g/L)	(g/L)	(Bq/L)	(Bq/g Ca)	(Bq/L)	(Bq/g K)
Shingu, WAKAYAMA	0.616	0.948	1.26	0.0051 ± 0.0056	0.0054 ± 0.0059	0.0015 ± 0.0038	0.0012 ± 0.0030
Oct. 2001							
Kyoto, KYOTO	0.748	1.16	1.58	0.013 ± 0.0059	0.011 ± 0.0051	0.0049 ± 0.0040	0.0031 ± 0.0026
Dec. 2001							
Akita, AKITA	0.710	1.08	1.47	0.028 ± 0.0073	0.026 ± 0.0068	0.024 ± 0.0053	0.016 ± 0.0036
Jan. 2002							
Osaka, OSAKA	0.745	1.13	1.56	0.019 ± 0.0068	0.017 ± 0.0060	0.022 ± 0.0052	0.014 ± 0.0033
Shingu, WAKAYAMA	0.691	1.11	1.47	0.017 ± 0.0066	0.015 ± 0.0060	0.0027 ± 0.0042	0.0018 ± 0.0029
Tohaku-machi, TOTTORI	0.717	1.21	1.53	0.027 ± 0.0073	0.023 ± 0.0060	0.0000 ± 0.0039	0.0000 ± 0.0025
Feb. 2002							
Sapporo, HOKKAIDO	0.726	1.15	1.63	0.035 ± 0.0082	0.031 ± 0.0071	0.025 ± 0.0056	0.015 ± 0.0034
Yamagata, YAMAGATA	0.726	1.12	1.51	0.028 ± 0.0077	0.025 ± 0.0069	0.010 ± 0.0042	0.0067 ± 0.0028
Fukushima, FUKUSHIMA	0.735	1.13	1.54	0.016 ± 0.0060	0.014 ± 0.0053	0.013 ± 0.0046	0.0082 ± 0.0030
Saitama, SAITAMA	0.724	1.11	1.55	0.015 ± 0.0068	0.013 ± 0.0061	0.0012 ± 0.0038	0.0007 ± 0.0025
Shinjuku, TOKYO	0.711	1.12	1.51	0.010 ± 0.0052	0.0090 ± 0.0046	0.0082 ± 0.0046	0.0054 ± 0.0030
Yokohama, KANAGAWA	0.743	1.12	1.63	0.011 ± 0.0065	0.0098 ± 0.0058	0.0030 ± 0.0042	0.0019 ± 0.0026
Niigata, NIIGATA	0.735	1.13	1.54	0.0057 ± 0.0054	0.0050 ± 0.0048	0.0042 ± 0.0036	0.0027 ± 0.0024
Fukui, FUKUI	0.742	1.16	1.54	0.029 ± 0.0079	0.025 ± 0.0068	0.010 ± 0.0046	0.0067 ± 0.0030
Shizuoka, SHIZUOKA	0.736	1.16	1.56	0.025 ± 0.0073	0.021 ± 0.0063	0.013 ± 0.0046	0.0083 ± 0.0030
Nagoya, AICHI	0.737	1.17	1.54	0.020 ± 0.0073	0.017 ± 0.0062	0.012 ± 0.0048	0.0079 ± 0.0031
Okayama, OKAYAMA	0.716	1.15	1.51	0.040 ± 0.0078	0.035 ± 0.0067	0.11 ± 0.010	0.075 ± 0.0067
Hiroshima, HIROSHIMA	0.717	1.18	1.50	0.028 ± 0.0075	0.024 ± 0.0063	0.023 ± 0.0058	0.016 ± 0.0038
Yamaguchi, YAMAGUCHI	0.731	1.15	1.56	0.028 ± 0.0073	0.025 ± 0.0063	0.0054 ± 0.0042	0.0035 ± 0.0027
Kawauchi-machi, EHIME	0.697	1.10	1.46	0.022 ± 0.0064	0.020 ± 0.0058	0.0033 ± 0.0043	0.0023 ± 0.0029
Kochi-KOCHI	0.737	1.16	1.51	0.023 ± 0.0070	0.020 ± 0.0060	0.040 ± 0.0069	0.027 ± 0.0045
Chikushino, FUKUOKA	0.715	1.06	1.48	0.019 ± 0.0066	0.018 ± 0.0063	0.011 ± 0.0045	0.0075 ± 0.0031
Nagasaki, NAGASAKI	0.700	1.11	1.51	0.0079 ± 0.0057	0.0071 ± 0.0051	0.0082 ± 0.0039	0.0055 ± 0.0026
Kagoshima, KAGOSHIMA	0.746	1.20	1.58	0.026 ± 0.0067	0.022 ± 0.0056	0.0000 ± 0.0037	0.0000 ± 0.0024
Yonashiro-machi, OKINAWA	0.740	1.14	1.56	0.015 ± 0.0058	0.013 ± 0.0051	0.0023 ± 0.0037	0.0014 ± 0.0024
Mar. 2002							
Nagano, NAGANO	0.697	1.14	1.50	0.016 ± 0.0071	0.014 ± 0.0063	0.022 ± 0.0056	0.015 ± 0.0037
Matsue, SHIMANE	0.783	1.18	1.57	0.023 ± 0.0073	0.019 ± 0.0062	0.0019 ± 0.0042	0.0012 ± 0.0026

(10)-3

Strontium-90 and Cesium-137 in Milk (powdered milk)

(from Apr. 2001 to Mar. 2002)

Table (10)-3 : Strontium-90 and Cesium-137 in Milk (powdered milk)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg)	(g/kg)	(Bq/kg)	(Bq/g Ca)	(Bq/kg)	(Bq/g K)
Jun. 2001							
Sample A	7.91	13.1	16.8	0.30 ± 0.029	0.023 ± 0.0022	0.19 ± 0.017	0.012 ± 0.0010
Sample B	2.58	3.72	6.22	0.019 ± 0.0078	0.0052 ± 0.0021	0.032 ± 0.0068	0.0051 ± 0.0011
Sample C	7.54	12.2	16.4	0.38 ± 0.029	0.031 ± 0.0024	1.0 ± 0.04	0.062 ± 0.0022
Sample D	2.39	4.18	4.83	0.022 ± 0.0069	0.0052 ± 0.0017	0.015 ± 0.0058	0.0031 ± 0.0012
sample E	3.65	6.39	7.19	0.11 ± 0.013	0.016 ± 0.0020	0.15 ± 0.012	0.020 ± 0.0017
Sample F	2.38	3.57	5.45	0.038 ± 0.0083	0.011 ± 0.0023	0.10 ± 0.011	0.019 ± 0.0019
Jan. 2002							
Sample A	7.90	13.0	16.8	0.31 ± 0.027	0.024 ± 0.0020	0.27 ± 0.020	0.016 ± 0.0012
Sample B	2.45	3.72	5.49	0.034 ± 0.0086	0.0091 ± 0.0023	0.048 ± 0.0077	0.0088 ± 0.0014
Sample C	8.00	13.4	17.1	0.42 ± 0.031	0.031 ± 0.0023	1.6 ± 0.05	0.093 ± 0.0027
Sample D	2.44	4.29	5.12	0.021 ± 0.0075	0.0048 ± 0.0018	0.026 ± 0.0066	0.0050 ± 0.0013
Sample E	3.56	6.34	7.12	0.13 ± 0.014	0.020 ± 0.0022	0.085 ± 0.0099	0.012 ± 0.0014
Sample F	2.39	4.28	4.73	0.019 ± 0.0075	0.0046 ± 0.0018	0.13 ± 0.012	0.028 ± 0.0025

(11)-1

Strontium-90 and Cesium-137 in Vegetables (producing districts)
(from Apr. 2001 to Mar. 2002)

Table (11)-1 : Strontium-90 and Cesium-137 in Vegetables (producing districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
May 2001							
Tahara-machi, AICHI	0.813	0.166	3.45	0.010 ± 0.0068	0.061 ± 0.041	0.0031 ± 0.0045	0.0009 ± 0.0013
Tahara-machi, AICHI	1.55	0.552	6.50	0.065 ± 0.011	0.12 ± 0.020	0.0000 ± 0.0039	0.00000 ± 0.00060
Jul. 2001							
Kumatori-machi, OSAKA	0.367	0.134	1.51	0.012 ± 0.0073	0.091 ± 0.055	0.0000 ± 0.0031	0.0000 ± 0.0021
Oda, SHIMANE	0.699	0.196	3.03	0.28 ± 0.021	1.4 ± 0.11	0.026 ± 0.0064	0.0087 ± 0.0021
Oda, SHIMANE	1.42	1.33	4.91	0.91 ± 0.036	0.69 ± 0.027	0.20 ± 0.014	0.040 ± 0.0028
Aug. 2001							
Eniwa, HOKKAIDO	0.541	0.155	2.19	0.15 ± 0.016	0.96 ± 0.11	0.043 ± 0.0071	0.020 ± 0.0032
Mutsu, AOMORI	0.892	0.0977	4.17	0.0086 ± 0.0052	0.088 ± 0.054	0.059 ± 0.0078	0.014 ± 0.0019
Eniwa, HOKKAIDO	1.72	0.483	7.87	0.034 ± 0.0092	0.071 ± 0.019	0.0045 ± 0.0044	0.00057 ± 0.00056
Oct. 2001							
Tamayama-mura, IWATE	0.606	0.269	2.67	0.068 ± 0.012	0.25 ± 0.044	0.0000 ± 0.0034	0.0000 ± 0.0013
Saku, NAGANO	0.554	0.180	2.41	0.021 ± 0.0088	0.12 ± 0.049	0.0000 ± 0.0034	0.0000 ± 0.0014
Saga, SAGA	0.665	0.231	2.96	0.015 ± 0.0074	0.063 ± 0.032	0.0000 ± 0.0038	0.0000 ± 0.0013
Koshi-machi, KUMAMOTO	0.673	0.326	2.87	0.086 ± 0.014	0.26 ± 0.042	0.0000 ± 0.0033	0.0000 ± 0.0011
Mutsu, AOMORI	0.482	0.282	1.99	0.14 ± 0.015	0.48 ± 0.052	0.0000 ± 0.0032	0.0000 ± 0.0016
Tamayama-mura, IWATE	0.532	0.416	2.08	0.12 ± 0.015	0.28 ± 0.035	0.0090 ± 0.0046	0.0043 ± 0.0022
Utsunomiya, TOCHIGI	0.602	0.530	2.20	0.23 ± 0.017	0.43 ± 0.032	0.041 ± 0.0062	0.019 ± 0.0028
Toyama, TOYAMA	1.63	0.740	6.49	0.033 ± 0.0087	0.045 ± 0.012	0.0063 ± 0.0045	0.00097 ± 0.00070
Saku, NAGANO	1.71	0.528	7.55	0.024 ± 0.0087	0.046 ± 0.017	0.0000 ± 0.0039	0.00000 ± 0.00052
Saga, SAGA	1.39	0.637	6.00	0.016 ± 0.0072	0.026 ± 0.011	0.011 ± 0.0052	0.0018 ± 0.00087
Koshi-machi, KUMAMOTO	1.80	0.533	7.85	0.099 ± 0.014	0.19 ± 0.026	0.020 ± 0.0054	0.0026 ± 0.00068
Nov. 2001							
Sannohe-machi, AOMORI	0.585	0.189	2.36	0.095 ± 0.012	0.50 ± 0.066	0.012 ± 0.0045	0.0049 ± 0.0019
Fukushima, FUKUSHIMA	0.489	0.239	2.06	0.029 ± 0.0080	0.12 ± 0.033	0.0020 ± 0.0035	0.0010 ± 0.0017
Mito, IBARAKI	0.590	0.271	2.57	0.042 ± 0.0083	0.16 ± 0.031	0.0011 ± 0.0036	0.0004 ± 0.0014
Utsunomiya, TOCHIGI	0.530	0.255	2.25	0.17 ± 0.016	0.68 ± 0.061	0.015 ± 0.0049	0.0067 ± 0.0022
Maebashi, GUNMA	0.530	0.229	2.29	0.027 ± 0.0075	0.12 ± 0.033	0.0004 ± 0.0036	0.0002 ± 0.0016
Chiba, CHIBA	0.486	0.407	1.56	0.11 ± 0.013	0.27 ± 0.031	0.011 ± 0.0040	0.0074 ± 0.0026
Kosugi-machi, TOYAMA	0.410	0.186	1.59	0.0089 ± 0.0073	0.048 ± 0.039	0.0089 ± 0.0044	0.0056 ± 0.0028

Location	Ash	Ca	K	Sr-90						Cs-137					
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)			(Bq/g Ca)			(Bq/kg wet)			(Bq/g K)		
Awara-machi, FUKUI	0.675	0.178	2.59	0.12	±	0.015	0.70	±	0.083	0.0094	±	0.0040	0.0036	±	0.0015
Gifu, GIFU	0.531	0.207	2.35	0.068	±	0.012	0.33	±	0.059	0.0015	±	0.0036	0.0006	±	0.0015
Gotenba, SHIZUOKA	0.686	0.207	2.94	0.028	±	0.0083	0.14	±	0.040	0.043	±	0.0072	0.015	±	0.0024
Hamamatsu, SHIZUOKA	0.505	0.171	2.14	0.023	±	0.0077	0.13	±	0.045	0.0000	±	0.0034	0.0000	±	0.0016
Meiwa-machi, MIE	0.529	0.209	2.30	0.065	±	0.011	0.31	±	0.054	0.045	±	0.0072	0.019	±	0.0032
Adogawa-machi, SHIGA	0.395	0.182	1.50	0.15	±	0.015	0.83	±	0.083	0.0018	±	0.0032	0.0012	±	0.0021
Kasai, HYOGO	0.489	0.158	2.19	0.035	±	0.0090	0.22	±	0.057	0.0000	±	0.0040	0.0000	±	0.0018
Takamatsu, KAGAWA	0.512	0.189	2.19	0.032	±	0.0076	0.17	±	0.040	0.0000	±	0.0036	0.0000	±	0.0017
Shime-machi, FUKUOKA	0.481	0.255	1.89	0.019	±	0.0078	0.076	±	0.031	0.0045	±	0.0038	0.0024	±	0.0020
Sannohe-machi, AOMORI	0.504	0.346	2.05	0.042	±	0.0095	0.12	±	0.027	0.055	±	0.0072	0.027	±	0.0035
Fukushima, FUKUSHIMA	1.71	1.05	6.50	0.12	±	0.014	0.12	±	0.014	0.012	±	0.0047	0.0019	±	0.00072
Mito, IBARAKI	1.65	1.23	5.80	0.13	±	0.014	0.10	±	0.011	0.012	±	0.0050	0.0020	±	0.00085
Maebashi, GUNMA	1.92	0.392	8.18	0.025	±	0.0076	0.064	±	0.019	0.0083	±	0.0050	0.0010	±	0.00061
Chiba, CHIBA	1.55	1.19	5.20	0.055	±	0.010	0.047	±	0.0084	0.0083	±	0.0042	0.0016	±	0.00081
Ono, FUKUI	2.06	0.550	9.13	0.036	±	0.0094	0.066	±	0.017	0.015	±	0.0047	0.0017	±	0.00052
Gifu, GIFU	1.77	0.470	7.63	0.022	±	0.0078	0.047	±	0.017	0.0054	±	0.0039	0.00070	±	0.00051
Gotenba, SHIZUOKA	1.40	0.455	5.64	0.083	±	0.012	0.18	±	0.026	0.033	±	0.0068	0.0058	±	0.0012
Kusu-machi, MIE	1.32	0.704	5.32	0.030	±	0.0082	0.042	±	0.012	0.0000	±	0.0044	0.00000	±	0.00082
Kasai, HYOGO	1.51	0.283	6.84	0.027	±	0.0085	0.095	±	0.030	0.0000	±	0.0043	0.00000	±	0.00063
Ketaka-machi, TOTTORI	1.55	0.766	6.45	0.28	±	0.020	0.36	±	0.026	0.010	±	0.0049	0.0016	±	0.00076
Takamatsu, KAGAWA	1.68	0.683	5.11	0.037	±	0.0082	0.054	±	0.012	0.0017	±	0.0042	0.00034	±	0.00083
Matsuyama, EHIME	1.75	0.637	6.88	0.021	±	0.0092	0.032	±	0.014	0.013	±	0.0047	0.0019	±	0.00069
Shime-machi, FUKUOKA	1.75	0.884	7.28	0.026	±	0.0081	0.029	±	0.0091	0.0070	±	0.0041	0.00096	±	0.00056
Matsumoto-machi, KAGOSHIMA	1.68	1.04	3.49	0.035	±	0.0093	0.034	±	0.0090	0.13	±	0.011	0.037	±	0.0033
Dec. 2001															
Takane-machi, YAMANASHI	0.536	0.325	2.15	0.024	±	0.0085	0.075	±	0.026	0.0000	±	0.0030	0.0000	±	0.0014
Haibara-machi, NARA	0.477	0.188	1.92	0.0013	±	0.0042	0.007	±	0.023	0.0000	±	0.0035	0.0000	±	0.0018
Kokufu-machi, TOTTORI	0.446	0.207	1.84	0.16	±	0.015	0.77	±	0.075	0.0000	±	0.0029	0.0000	±	0.0016
Hiroshima, HIROSHIMA	0.498	0.235	2.11	0.055	±	0.011	0.23	±	0.048	0.0031	±	0.0032	0.0015	±	0.0015
Usa, OITA	0.478	0.235	1.82	0.046	±	0.0092	0.20	±	0.039	0.0000	±	0.0033	0.0000	±	0.0018
Kaimon-machi, KAGOSHIMA	0.505	0.183	2.06	0.060	±	0.011	0.33	±	0.063	0.017	±	0.0047	0.0081	±	0.0023
Takane-machi, YAMANASHI	1.91	1.02	7.46	0.029	±	0.0087	0.029	±	0.0085	0.0038	±	0.0038	0.00051	±	0.00051
Azuchi-machi, SHIGA	1.63	0.607	6.76	0.055	±	0.010	0.090	±	0.017	0.0079	±	0.0043	0.0012	±	0.00064
Haibara-machi, NARA	1.21	0.231	5.26	0.013	±	0.0063	0.056	±	0.027	0.0000	±	0.0033	0.00000	±	0.00062

Location	Ash	Ca	K	Sr-90						Cs-137					
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)			(Bq/g Ca)			(Bq/kg wet)			(Bq/g K)		
Hiroshima, HIROSHIMA	1.91	0.641	8.09	0.021	±	0.0082	0.033	±	0.013	0.0058	±	0.0038	0.00072	±	0.00047
Usa, OITA	1.70	0.405	6.87	0.032	±	0.0083	0.079	±	0.020	0.0041	±	0.0045	0.00059	±	0.00065
Jan. 2002															
Yuya-machi, YAMAGUCHI	0.470	0.218	1.71	0.078	±	0.012	0.36	±	0.055	0.0026	±	0.0034	0.0015	±	0.0020
Ishii-machi, TOKUSHIMA	0.649	0.190	2.28	0.037	±	0.0091	0.19	±	0.048	0.0000	±	0.0030	0.0000	±	0.0013
Kubokawa-machi, KOCHI	0.528	0.266	2.09	0.14	±	0.014	0.54	±	0.053	0.0027	±	0.0040	0.0013	±	0.0019
Takanabe-machi, MIYAZAKI	0.466	0.200	2.07	0.091	±	0.012	0.46	±	0.062	0.0007	±	0.0032	0.0003	±	0.0015
Yuya-machi, YAMAGUCHI	2.07	0.771	7.84	0.13	±	0.014	0.16	±	0.018	0.014	±	0.0049	0.0018	±	0.00062
Ishii-machi, TOKUSHIMA	2.01	1.73	7.12	0.066	±	0.015	0.038	±	0.0086	0.013	±	0.0051	0.0018	±	0.00071
Kubokawa-machi, KOCHI	1.50	0.509	5.12	0.084	±	0.012	0.16	±	0.023	0.057	±	0.0079	0.011	±	0.0015
Takanabe-machi, MIYAZAKI	1.71	0.669	7.58	0.19	±	0.018	0.28	±	0.026	0.012	±	0.0047	0.0015	±	0.00061
Feb. 2002															
Kumatori-machi, OSAKA	0.651	0.248	2.59	0.0084	±	0.0060	0.034	±	0.024	0.0000	±	0.0028	0.0000	±	0.0011

(11)-2

Strontium-90 and Cesium-137 in Vegetables (consuming districts)
(from Apr. 2001 to Mar. 2002)

Table (11)-2 : Strontium-90 and Cesium-137 in Vegetables (consuming districts)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
May 2001							
Rifu-machi, MIYAGI	2.02	0.509	6.44	0.039 ± 0.0084	0.076 ± 0.017	0.0000 ± 0.0042	0.00000 ± 0.00065
Jun. 2001							
Niigata, NIIGATA	2.04	0.748	8.96	0.069 ± 0.011	0.092 ± 0.015	0.0022 ± 0.0046	0.00024 ± 0.00051
Sep. 2001							
Rifu-machi, MIYAGI	0.621	0.178	2.64	0.14 ± 0.015	0.80 ± 0.087	0.0000 ± 0.0037	0.0000 ± 0.0014
Saitama, SAITAMA	0.476	0.277	1.46	0.34 ± 0.024	1.2 ± 0.09	0.028 ± 0.0065	0.019 ± 0.0045
Saitama, SAITAMA	1.73	0.473	7.57	0.045 ± 0.0097	0.096 ± 0.020	0.0000 ± 0.0035	0.00000 ± 0.00046
Oct. 2001							
Akita, AKITA	0.481	0.188	2.03	0.028 ± 0.0090	0.15 ± 0.048	0.0000 ± 0.0031	0.0000 ± 0.0015
Yamagata, YAMAGATA	0.482	0.263	1.91	0.032 ± 0.0092	0.12 ± 0.035	0.0000 ± 0.0038	0.0000 ± 0.0020
Kyoto, KYOTO	0.555	0.140	2.38	0.18 ± 0.016	1.3 ± 0.12	0.0015 ± 0.0033	0.0006 ± 0.0014
Yonashiro-machi, OKINAWA	0.640	0.253	2.63	0.067 ± 0.012	0.26 ± 0.046	0.059 ± 0.0075	0.022 ± 0.0028
Akita, AKITA	0.417	0.371	1.49	0.081 ± 0.012	0.22 ± 0.033	0.0000 ± 0.0033	0.0000 ± 0.0022
Yamagata, YAMAGATA	1.85	0.461	7.92	0.015 ± 0.0080	0.033 ± 0.017	0.0000 ± 0.0037	0.00000 ± 0.00047
Kyoto, KYOTO	1.75	0.445	7.39	0.0079 ± 0.0071	0.018 ± 0.016	0.0000 ± 0.0029	0.00000 ± 0.00039
Yonashiro-machi, OKINAWA	1.51	0.944	4.80	0.071 ± 0.012	0.075 ± 0.013	0.026 ± 0.0058	0.0053 ± 0.0012
Nov. 2001							
Shinjuku, TOKYO	0.600	0.228	2.54	0.071 ± 0.011	0.31 ± 0.049	0.0031 ± 0.0036	0.0012 ± 0.0014
Kanazawa, ISHIKAWA	0.611	0.184	2.27	0.0000 ± 0.0045	0.000 ± 0.025	0.011 ± 0.0048	0.0047 ± 0.0021
Osaka, OSAKA	0.395	0.134	1.65	0.0027 ± 0.0051	0.020 ± 0.038	0.0003 ± 0.0032	0.0002 ± 0.0019
Okayama, OKAYAMA	0.398	0.272	1.17	0.16 ± 0.016	0.57 ± 0.059	0.0070 ± 0.0045	0.0060 ± 0.0038
Shinjuku, TOKYO	1.94	0.869	8.20	0.029 ± 0.0085	0.033 ± 0.0097	0.0043 ± 0.0042	0.00053 ± 0.00051
Kanazawa, ISHIKAWA	1.84	0.756	6.99	0.23 ± 0.019	0.30 ± 0.026	0.042 ± 0.0071	0.0060 ± 0.0010
Osaka, OSAKA	1.59	0.512	7.23	0.0078 ± 0.0055	0.015 ± 0.011	0.0000 ± 0.0034	0.00000 ± 0.00047
Okayama, OKAYAMA	1.75	0.597	7.32	0.0069 ± 0.0069	0.012 ± 0.012	0.010 ± 0.0049	0.0014 ± 0.00067
Imabari, EHIME	1.86	0.682	7.97	0.11 ± 0.015	0.16 ± 0.022	0.0000 ± 0.0034	0.00000 ± 0.00043
Dec. 2001							
Niigata, NIIGATA	0.355	0.156	1.32	0.0093 ± 0.0060	0.060 ± 0.039	0.0036 ± 0.0037	0.0028 ± 0.0028
Nagasaki, NAGASAKI	0.361	0.219	1.42	0.014 ± 0.0062	0.065 ± 0.028	0.0080 ± 0.0038	0.0056 ± 0.0027
Nagasaki, NAGASAKI	1.75	0.574	6.84	0.012 ± 0.0063	0.022 ± 0.011	0.0039 ± 0.0038	0.00058 ± 0.00056

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Jan. 2002							
Yokohama, KANAGAWA	0.417	0.248	1.43	0.057 ± 0.010	0.23 ± 0.041	0.0053 ± 0.0038	0.0037 ± 0.0026
Shingu, WAKAYAMA	0.422	0.315	1.39	0.030 ± 0.0089	0.096 ± 0.028	0.013 ± 0.0049	0.0093 ± 0.0035
Yokohama, KANAGAWA	1.61	0.669	6.00	0.074 ± 0.012	0.11 ± 0.017	0.0021 ± 0.0041	0.00035 ± 0.00069
Shingu, WAKAYAMA	0.511	0.366	1.90	0.072 ± 0.012	0.20 ± 0.032	0.0031 ± 0.0040	0.0016 ± 0.0021

(12) Strontium-90 and Cesium-137 in Tea (Japanese tea)
(from Apr. 2001 to Mar. 2002)

Table (12) : Strontium-90 and Cesium-137 in Tea (Japanese tea)

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg)	(g/kg)	(Bq/kg)	(Bq/g Ca)	(Bq/kg)	(Bq/g K)
Apr. 2001							
Mifune-machi, KUMAMOTO	4.93	2.06	18.9	0.11 ± 0.030	0.055 ± 0.015	0.050 ± 0.019	0.0027 ± 0.0010
Ue-mura, KUMAMOTO	4.64	2.03	17.6	0.17 ± 0.035	0.082 ± 0.017	0.090 ± 0.022	0.0051 ± 0.0012
May 2001							
Ikeda-machi, GIFU	4.73	2.84	17.3	0.47 ± 0.049	0.17 ± 0.017	0.069 ± 0.019	0.0040 ± 0.0011
Shirakawa-machi, GIFU	4.99	2.67	19.2	0.33 ± 0.045	0.12 ± 0.017	0.15 ± 0.025	0.0077 ± 0.0013
Iwata, SHIZUOKA*	1.33	0.730	4.83	0.047 ± 0.0097	0.065 ± 0.013	0.013 ± 0.0045	0.0026 ± 0.00093
Syuzenji-machi, SHIZUOKA*	1.21	0.514	4.51	0.14 ± 0.014	0.27 ± 0.027	0.13 ± 0.010	0.030 ± 0.0023
Odai-machi, MIE	4.79	2.17	18.4	0.20 ± 0.032	0.091 ± 0.015	0.15 ± 0.023	0.0081 ± 0.0013
Kameyama, MIE	4.98	4.71	15.5	0.89 ± 0.062	0.19 ± 0.013	0.093 ± 0.021	0.0060 ± 0.0013
Nara, NARA	5.37	2.06	19.5	0.20 ± 0.035	0.096 ± 0.017	0.67 ± 0.046	0.035 ± 0.0024
Nara, NARA	5.21	2.62	18.8	0.24 ± 0.041	0.092 ± 0.016	0.14 ± 0.025	0.0074 ± 0.0013
Miyakonojo, MIYAZAKI	5.31	2.51	19.8	0.18 ± 0.035	0.073 ± 0.014	0.67 ± 0.045	0.034 ± 0.0023
Kawaminami-machi, MIYAZAKI	5.10	1.68	19.9	0.29 ± 0.043	0.17 ± 0.026	0.90 ± 0.052	0.045 ± 0.0026
Jun. 2001							
Tokorozawa, SAITAMA	5.33	2.95	19.0	0.56 ± 0.057	0.19 ± 0.019	0.18 ± 0.027	0.0096 ± 0.0014
Iruma, SAITAMA	5.13	2.37	18.5	0.37 ± 0.047	0.16 ± 0.020	0.11 ± 0.022	0.0060 ± 0.0012
Uji, KYOTO	5.12	2.49	22.2	0.30 ± 0.048	0.12 ± 0.019	0.037 ± 0.017	0.0017 ± 0.00074
Kaya-machi, KYOTO	5.29	3.38	19.9	1.2 ± 0.08	0.37 ± 0.024	0.089 ± 0.021	0.0045 ± 0.0010
Nachikatsuura-machi, WAKAYAMA	5.11	2.24	18.7	0.89 ± 0.062	0.40 ± 0.028	0.39 ± 0.035	0.021 ± 0.0019
Chiran-machi, KAGOSHIMA	4.90	1.87	18.9	0.15 ± 0.030	0.078 ± 0.016	1.2 ± 0.06	0.062 ± 0.0031
Jul. 2001							
Miyanojo-machi, KAGOSHIMA	5.54	2.81	20.4	0.29 ± 0.041	0.10 ± 0.014	0.38 ± 0.037	0.019 ± 0.0018

* g/kg wet : Ca, K
Bq/kg wet : Sr-90, Cs-137

(13) Strontium-90 and Cesium-137 in Sea fish
(from Apr. 2001 to Mar. 2002)

Table (13) : Strontium-90 and Cesium-137 in Sea fish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Ammodytes personatus)							
Apr. 2001							
Harimanada, HYOGO	2.23	2.32	4.39	0.017 ± 0.0071	0.0071 ± 0.0030	0.054 ± 0.0076	0.012 ± 0.0017
(Branchiostegus sp.)							
Nov. 2001							
Nagasaki, NAGASAKI	1.29	0.774	3.63	0.0099 ± 0.0056	0.013 ± 0.0073	0.12 ± 0.010	0.033 ± 0.0028
(Hexagrammos otakii)							
Sep. 2001							
Soma, FUKUSHIMA	1.26	0.714	3.88	0.0095 ± 0.0055	0.013 ± 0.0077	0.10 ± 0.009	0.027 ± 0.0024
(Katsuwonus pelamis)							
May 2001							
Tosa, KOCHI	1.24	0.0544	4.08	0.0049 ± 0.0061	0.09 ± 0.11	0.26 ± 0.014	0.064 ± 0.0035
(Mugil cephalus cephalus)							
Aug. 2001							
Morodomi-machi, SAGA	1.15	0.364	3.41	0.0000 ± 0.0051	0.000 ± 0.014	0.053 ± 0.0074	0.015 ± 0.0022
Nov. 2001							
Ushimado-machi, OKAYAMA	1.50	0.707	4.17	0.0072 ± 0.0057	0.010 ± 0.0080	0.066 ± 0.0081	0.016 ± 0.0019
(Oncorhynchus keta)							
Sep. 2001							
Urakawa-machi, HOKKAIDO	1.23	0.296	3.42	0.0057 ± 0.0052	0.019 ± 0.018	0.084 ± 0.0092	0.025 ± 0.0027
(Pleuronectidae)							
May 2001							
Rifu-machi, MIYAGI	3.51	8.67	3.17	0.023 ± 0.0066	0.0027 ± 0.00076	0.059 ± 0.0077	0.019 ± 0.0024
Nov. 2001							
Echizen-machi, FUKUI	1.95	3.61	2.72	0.0091 ± 0.0056	0.0025 ± 0.0016	0.087 ± 0.0095	0.032 ± 0.0035
Aji-machi, KAGAWA	1.96	3.23	2.82	0.0000 ± 0.0040	0.0000 ± 0.0012	0.035 ± 0.0068	0.012 ± 0.0024
Mutsu, AOMORI	1.08	0.137	3.34	0.0007 ± 0.0049	0.005 ± 0.036	0.13 ± 0.011	0.039 ± 0.0034
Dec. 2001							
Niigata, NIIGATA	1.47	0.901	3.65	0.0033 ± 0.0052	0.0037 ± 0.0058	0.065 ± 0.0080	0.018 ± 0.0022
Feb. 2002							
Otake, HIROSHIMA	1.23	0.708	3.58	0.0032 ± 0.0047	0.0045 ± 0.0066	0.077 ± 0.0084	0.021 ± 0.0023

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Pterocaesio diagramma)							
Nov. 2001							
Yonashiro-machi, OKINAWA	4.42	11.4	4.14	0.021 ± 0.0070	0.0018 ± 0.00061	0.083 ± 0.0093	0.020 ± 0.0023
(Sardinops sp.)							
Aug. 2001							
Yamagata, YAMAGATA	2.95	6.43	1.58	0.0053 ± 0.0051	0.00083 ± 0.00079	0.038 ± 0.0069	0.024 ± 0.0044
Feb. 2002							
Nagano, NAGANO	2.22	4.07	2.80	0.0044 ± 0.0045	0.0011 ± 0.0011	0.071 ± 0.0081	0.025 ± 0.0029
(Scomber australasicus)							
Feb. 2002							
Chikura-machi, CHIBA	1.44	0.248	4.15	0.013 ± 0.0066	0.051 ± 0.026	0.14 ± 0.011	0.033 ± 0.0026
(Scomber sp.)							
Aug. 2001							
Iyonada, EHIME	1.28	0.830	3.58	0.0006 ± 0.0042	0.0007 ± 0.0051	0.082 ± 0.0085	0.023 ± 0.0024
Nov. 2001							
Osaka, OSAKA	1.31	0.115	3.68	0.0098 ± 0.0065	0.085 ± 0.057	0.14 ± 0.011	0.037 ± 0.0030
Kyoto, KYOTO	1.29	0.318	2.27	0.0000 ± 0.0042	0.000 ± 0.013	0.082 ± 0.0088	0.036 ± 0.0039
Jan. 2002							
Hamada, SHIMANE	1.46	0.406	3.56	0.0000 ± 0.0050	0.000 ± 0.012	0.11 ± 0.010	0.030 ± 0.0029
(Sebastes inermis)							
Mar. 2002							
Yamaguchi, YAMAGUCHI	4.69	13.3	3.37	0.0068 ± 0.0048	0.00051 ± 0.00036	0.13 ± 0.011	0.040 ± 0.0033
(Sebastiscus marmoratus)							
May 2001							
Hamada, SHIMANE	6.07	19.0	2.39	0.020 ± 0.0064	0.0010 ± 0.00034	0.051 ± 0.0089	0.021 ± 0.0037
(Seriola quinqueradiata)							
Sep. 2001							
Monzen-machi, ISHIKAWA	1.55	0.578	4.71	0.0043 ± 0.0050	0.0075 ± 0.0086	0.22 ± 0.013	0.047 ± 0.0028
(Sillago sp.)							
Jun. 2001							
Minamichita-machi, AICHI	3.33	7.99	3.39	0.0070 ± 0.0059	0.00088 ± 0.00074	0.060 ± 0.0080	0.018 ± 0.0024
(Sparidae)							
May 2001							
Kumanonada, MIE	1.39	0.252	4.68	0.0031 ± 0.0048	0.012 ± 0.019	0.12 ± 0.011	0.026 ± 0.0023

Location	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
Jul. 2001							
Oga, AKITA	1.51	1.24	4.05	0.0013 ± 0.0055	0.0011 ± 0.0044	0.13 ± 0.010	0.031 ± 0.0025
Fukuoka, FUKUOKA	1.38	0.635	4.15	0.0000 ± 0.0041	0.0000 ± 0.0065	0.12 ± 0.011	0.029 ± 0.0026
(Spratelloides gracilis)							
Nov. 2001							
Akune, KAGOSHIMA	2.99	6.17	3.64	0.0000 ± 0.0048	0.00000 ± 0.00078	0.12 ± 0.011	0.034 ± 0.0030
(Trachurus japonicus)							
Nov. 2001							
Odawara, KANAGAWA	1.56	0.339	4.82	0.0020 ± 0.0051	0.006 ± 0.015	0.13 ± 0.011	0.028 ± 0.0022
(Trachurus sp.)							
Oct. 2001							
Hachijo-machi, TOKYO	1.56	2.61	2.82	0.0026 ± 0.0043	0.0010 ± 0.0017	0.12 ± 0.010	0.043 ± 0.0037
Nov. 2001							
Shizuoka, SHIZUOKA	2.86	7.02	3.12	0.010 ± 0.0051	0.0014 ± 0.00072	0.10 ± 0.009	0.032 ± 0.0030
Jan. 2002							
Shingu, WAKAYAMA	1.67	1.89	3.67	0.0000 ± 0.0042	0.0000 ± 0.0022	0.17 ± 0.012	0.046 ± 0.0033

(14) Strontium-90 and Cesium-137 in Freshwater fish
(from Apr. 2001 to Mar. 2002)

Table (14) : Strontium-90 and Cesium-137 in Freshwater fish

	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
(Carassius sp.)							
Jul. 2001							
Barato-lake, HOKKAIDO	4.93	14.9	2.37	0.53 ± 0.029	0.036 ± 0.0020	0.031 ± 0.0069	0.013 ± 0.0029
Nov. 2001							
Niigata, NIIGATA	1.20	0.848	3.24	0.075 ± 0.010	0.088 ± 0.012	0.17 ± 0.012	0.053 ± 0.0038
Uji-KYOTO	4.43	13.6	2.69	0.51 ± 0.026	0.038 ± 0.0019	0.010 ± 0.0048	0.0038 ± 0.0018
Dec. 2001							
Mikata-machi, FUKUI	1.17	0.764	3.05	0.055 ± 0.0093	0.072 ± 0.012	0.11 ± 0.010	0.035 ± 0.0033
(Cyprinus carpio)							
May 2001							
Kasumigaura-lake, IBARAKI	1.02	0.130	3.50	0.016 ± 0.0067	0.12 ± 0.052	0.33 ± 0.016	0.094 ± 0.0046
Aug. 2001							
Hachirogata-machi, AKITA	3.33	9.54	2.41	0.84 ± 0.036	0.088 ± 0.0037	0.13 ± 0.011	0.053 ± 0.0047
Oct. 2001							
Syobara, HIROSHIMA	0.983	0.286	3.05	0.015 ± 0.0071	0.054 ± 0.025	0.082 ± 0.0091	0.027 ± 0.0030
(Hypomesus nipponensis)							
Dec. 2001							
Suwa-lake, NAGANO	3.02	8.09	2.23	0.11 ± 0.014	0.014 ± 0.0017	0.094 ± 0.011	0.042 ± 0.0047
(Salmo gairdneri)							
Oct. 2001							
Kumagaya, SAITAMA	1.11	0.152	3.56	0.0028 ± 0.0052	0.018 ± 0.034	0.14 ± 0.011	0.040 ± 0.0032
(Salvelinus leucomaenis)							
Sep. 2001							
Fukushima, FUKUSHIMA	1.23	0.408	3.96	0.0079 ± 0.0059	0.019 ± 0.014	0.16 ± 0.012	0.040 ± 0.0029

(15) Strontium-90 and Cesium-137 in Shellfish
(from Apr. 2001 to Mar. 2002)

Table (15) : Strontium-90 and Cesium-137 in Shellfish

Location	Ash (%)	Ca (g/kg wet)	K (g/kg wet)	Sr-90 (Bq/kg wet)	Sr-90 (Bq/g Ca)	Cs-137 (Bq/kg wet)	Cs-137 (Bq/g K)
(Crassostrea gigas)							
Feb. 2002							
Hatsukaichi, HIROSHIMA	1.34	0.421	2.78	0.0000 ± 0.0072	0.000 ± 0.017	0.010 ± 0.0072	0.0037 ± 0.0026
(Mytilus edulis)							
Jun. 2001							
Mutsu, AOMORI	2.75	0.386	1.09	0.0000 ± 0.0049	0.000 ± 0.013	0.011 ± 0.0051	0.010 ± 0.0046
(Patinopecten yessoensis)							
Nov. 2001							
Mutsu-bay, AOMORI	2.19	0.371	3.45	0.0049 ± 0.0056	0.013 ± 0.015	0.019 ± 0.0054	0.0055 ± 0.0016
Feb. 2002							
Yamada-machi, IWATE	2.27	0.355	2.79	0.0038 ± 0.0053	0.011 ± 0.015	0.020 ± 0.0050	0.0072 ± 0.0018
(Tapes philippinarum)							
May 2001							
Konagai-machi, NAGASAKI	2.43	0.679	2.03	0.014 ± 0.0064	0.021 ± 0.0094	0.010 ± 0.0049	0.0052 ± 0.0024
Jun. 2001							
Minamichita-machi, AICHI	1.83	0.481	3.57	0.000 ± 0.011	0.000 ± 0.023	0.031 ± 0.011	0.0087 ± 0.0031
Jul. 2001							
Ise, MIE	1.92	0.587	1.13	0.011 ± 0.0059	0.019 ± 0.010	0.0030 ± 0.0039	0.0027 ± 0.0035
(Turbo (Batillus) cornutus)							
Apr. 2001							
Ryotsu, NIIGATA	2.17	0.433	2.87	0.017 ± 0.0099	0.040 ± 0.023	0.0032 ± 0.0071	0.0011 ± 0.0025
May 2001							
Monzen-machi, ISHIKAWA	3.10	2.30	2.29	0.010 ± 0.0069	0.0043 ± 0.0030	0.018 ± 0.0070	0.0079 ± 0.0030
Jun. 2001							
Sakata, YAMAGATA	3.60	1.12	3.42	0.011 ± 0.0070	0.010 ± 0.0062	0.032 ± 0.0066	0.0092 ± 0.0019

(16) Strontium-90 and Cesium-137 in Seaweeds
(from Apr. 2001 to Mar. 2002)
Table (16) : Strontium-90 and Cesium-137 in Seaweeds

	Ash	Ca	K	Sr-90		Cs-137	
	(%)	(g/kg wet)	(g/kg wet)	(Bq/kg wet)	(Bq/g Ca)	(Bq/kg wet)	(Bq/g K)
(Undaria pinnatifida)							
Apr. 2001							
Ryotsu, NIIGATA	2.60	0.638	6.86	0.038 ± 0.0088	0.059 ± 0.014	0.014 ± 0.0051	0.0021 ± 0.00074
Monzen-machi, ISHIKAWA	3.80	0.837	7.07	0.0099 ± 0.0068	0.012 ± 0.0082	0.011 ± 0.0049	0.0016 ± 0.00070
May 2001							
Mutsu, AOMORI	2.95	0.798	7.23	0.014 ± 0.0069	0.017 ± 0.0086	0.013 ± 0.0052	0.0018 ± 0.00072
Fukaura-machi, AOMORI	2.58	0.831	7.36	0.017 ± 0.0069	0.021 ± 0.0083	0.023 ± 0.0056	0.0031 ± 0.00076
Jul. 2001							
Sakata, YAMAGATA	3.96	1.63	9.74	0.017 ± 0.0077	0.011 ± 0.0047	0.035 ± 0.0065	0.0036 ± 0.00067
Feb. 2002							
Minamichita-machi, AICHI	2.50	0.984	9.01	0.056 ± 0.010	0.057 ± 0.010	0.0058 ± 0.0043	0.00064 ± 0.00048
Hiroshima, HIROSHIMA	1.75	0.666	5.50	0.032 ± 0.0081	0.049 ± 0.012	0.012 ± 0.0047	0.0022 ± 0.00086
Shimabara, NAGASAKI	2.22	0.615	6.17	0.013 ± 0.0086	0.021 ± 0.014	0.0077 ± 0.0045	0.0012 ± 0.00073
Mar. 2002							
Toba, MIE	1.71	0.785	4.65	0.016 ± 0.0069	0.021 ± 0.0088	0.013 ± 0.0049	0.0028 ± 0.0010

Sea fish

Japanease name	English name	Scientific name
Ainame	Fat greenling	Hexagrammos otakii
Aji	Horse mackerel	Trachurus sp.
Amadai	Tilefish	Branchiostegus sp.
Bora	Striped mullet	Mugil cephalus cephalus
Fukuragi	Japanese amberjack	Seriola quinqueradiata
Gomasaba	Spotted chub mackerel	Scomber australasicus
Ikanago	Japanese sand lance	Ammodytes personatus
Iwashi	Sardine	Sardinops sp.
Karei	Righteye flounders	Pleuronectidae
Kasago	Marbled rockfish	Sebastiscus marmoratus
Katsuo	Skipjack	Katsuwonus pelamis
Kibinago	Banded blue sprat	Spratelloides gracilis
Kisu	Smelt-whitings	Sillago sp.
Maaji	Yellowfin horse mackerel	Trachurus japonicus
Mebaru	Darkbanded rockfish	Sebastes inermis
Saba	Mackerel	Scomber sp.
Sake	Salmon	Oncorhynchus keta
Tai	Sea bream	Sparidae
Takasago	Goldenbanded fusilier	Pterocaesio diagramma

Fresh water fish

Japanease name	English name	Scientific name
Funa	Crucian carp	Carassius sp.
Iwana	Japanese char	Salvelinus leucomaenis
Koi	Carp	Cyprinus carpio
Nijimasu	Rainbow trout	Salmo gairdneri
Wakasagi	Pond smelt	Hypomesus nipponensis

Shellfish

Japanease name	English name	Scientific name
Asari	Japanese littleneck	Tapes philippinarum
Hotate	Yezo scallop	Patinopecten yessoensis
Kaki	Japanese oyster	Crassostrea gigas
Murasakiigai	Blue mussel	Mytilus edulis
Sazae	Horned turban	Turbo(Batillus) cornutus

Seaweeds

Japanease name	English name	Scientific name
Wakame	Sea mustard	Undaria pinnatifida