

(Announcement)
 The Results of Radioactive Material Monitoring of the Surface Water Bodies
 within Gunma Prefecture
 (January Samples)

1. Survey Overview

(1) Survey Period

January 7-20, 2014

(2) Survey Locations

44 environmental reference points, etc. in the surface water bodies within Gunma Prefecture

(Rivers: 44 locations)

(3) Survey Method

- Measurement of concentrations of radioactive materials (radioactive cesium (Cs-134 and Cs-137)) in water and sediment
- Measurement of concentrations of radioactive materials and spatial dose-rate in soil in the surrounding environment of water and sediment sample collection points (river terraces, etc.)

2. Outline of Results (* denotes the results of the previous survey: October-December 2013)

(1) Water Quality (Lower detection limit: 1Bq/L)

Cs-134 + Cs-137: Not detectable (ND) at any location (* ND at any location)

<Reference>

Specification and Standards for Food, Food Additives, etc. in accordance with the Food Sanitation Act (Drinking Water) (Ministry of Health, Labour and Welfare Public Notice No.130, March 15, 2012)

Radioactive cesium (total for Cs-134+Cs-137): 10Bq/kg

Target value for radioactive materials in tap water (management target for water supply facilities) (March 5, 2012; 0305 Notice No.1 from the Director of the Water Supply Division, Health Service Bureau, Ministry of Health, Labour and Welfare)

Radioactive cesium (total for Cs-134+Cs-137): 10Bq/kg

(2) Sediment (Lower detection limit: 10Bq/kg (dried mud))

The levels were 500Bq/kg or below at all locations, and have generally remained constant or had a declining tendency.

(Rivers)

Cs-134 + Cs-137: ND-147Bq/kg (dried mud) (*ND-1,560Bq/kg (dried mud))

<Reference> Number of locations by radioactive cesium concentration (500Bq/kg)

Numbers in () denote results measured on the previous occasion.

	500 or below	501 -1,000	1,001 -1,500	1,501 -2,000	2,001 -2,500	2,501 -3,000	3,001 or more	Total
Rivers	44 (46)	0 (1)	0 (0)	0 (1)	0 (0)	0 (0)	0 (0)	44 (48)

(3) Surrounding Environment (Lower detection limit: 10Bq/kg (dry))

(Rivers)

Cs-134 + Cs-137: 13-5,000Bq/kg (dry) (*10-7,500Bq/kg (dry))

Spatial dose: 0.04-0.13 μ Sv/h

(Annex for details)

(Map attached)

3. Future Plans

MOE intends to continue to measure radioactive materials in water, sediment, etc. in rivers, lakes, etc., since concentrations of radioactive materials seem to show fluctuations, depending on locations, due to minor differences in sampling points or properties of samples of each survey.

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No.	Sampling point				Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks		
	Water body	Point	Municipality	Sampling depth (m)				Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium					
												Cs-134	Cs-137				
1	Tonegawa River	Tonegawa River	Hirosebash Bridge	Minakamimachi Town	2014/1/8	Sunny	1.9	0.0	>100	4	3	2	<1	<1			
2		Tsukiyonobashi Bridge			2014/1/8	Sunny	0.5	0.0	>100	5	1	1	<1	<1			
3		Akayagawa River	Kosodebash Bridge			2014/1/8	Sunny	0.3	0.0	>100	15	<1	0	<1	<1		
4		Sakuragawa River	In Ooaza Yachi	Kawabamura Village	2014/1/7	Sunny	0.4	0.0	>100	8	<1	0	<1	<1			
5		Katashinagawa River	Kirinokibashi Bridge	Katashinamura Village	2014/1/7	Sunny	0.6	0.0	>100	6	<1	0	<1	<1	<1		
6			Tonemachitakatoya	Numatashi City	2014/1/7	Sunny	0.5	0.0	>100	9	<1	0	<1	<1	<1		
7			Futaebashi Bridge			2014/1/7	Sunny	0.6	0.0	>100	14	<1	0	<1	<1	<1	
8		Agatsumagawa River	Shintobashi Bridge	Naganoharamachi Town	2014/1/9	Sunny	0.5	0.0	56	25	25	9	<1	<1	<1		
9		Shirasunagawa River	Shuttatsubashi Bridge	Nakanojomachi Town	2014/1/9	Sunny	0.6	0.0	>100	16	<1	0	<1	<1	<1		
10		Agatsumagawa River	Downstream of Azumabashi Bridge	Higashiagatsumamachi Town	2014/1/9	Sunny	0.4	0.0	44	24	18	9	<1	<1	<1		
11		Nakutagawa River	Tonodabashi Bridge	Takayamura Village	2014/1/9	Sunny	0.6	0.0	>100	15	1	1	<1	<1	<1		
12		Agatsumagawa River	Agatsumabashi Bridge	Shibukawashi City	2014/1/8	Sunny	0.4	0.0	35	31	21	13	<1	<1	<1		
13		Tonegawa River	Taishobashi Bridge			2014/1/8	Cloudy	0.5	0.0	58	23	12	6	<1	<1	<1	
14		Takizawagawa River	Shintakizawabashi Bridge	Shibukawashi City/Yoshiokamachi Town	2014/1/8	Cloudy	0.4	0.0	>100	25	2	1	<1	<1	<1		
15		Tonegawa River	Gunmaohashi Bridge	Maebashishi City	2014/1/14	Sunny	0.3	0.0	>100	21	14	5	<1	<1	<1		
16			Fukushimabashi Bridge	Tamamuramachi Town	2014/1/10	Sunny	0.5	0.0	>100	18	5	2	<1	<1	<1		
17	Karasugawa River	Nagaigawa River	Kamigondabashi Bridge	Takasakishi City	2014/1/14	Sunny	0.3	0.0	>100	14	4	1	<1	<1	<1		
18		Karasugawa River	Karasugawabashi Bridge			2014/1/14	Sunny	0.3	0.0	>100	12	2	0	<1	<1	<1	
19		Usuigawa River	Nakasebashi Bridge	Annakashi City	2014/1/15	Cloudy	0.2	0.0	>100	22	4	3	<1	<1	<1		
20			Hanatakabashi Bridge	Takasakishi City	2014/1/14	Sunny	0.4	0.0	>100	53	3	1	<1	<1	<1		
21		Kaburagawa River	Tadakawabashi Bridge	Shimonitamachi Town	2014/1/15	Cloudy	0.7	0.0	>100	35	<1	1	<1	<1	<1		
22			Kaburagawabashi Bridge	Takasakishi City/Fujiokashi City	2014/1/15	Sunny	0.2	0.0	>100	39	1	1	<1	<1	<1		
23		Ogawa River	Kinzanbashi Bridge	Kanramachi Town	2014/1/15	Cloudy	0.1	0.0	>100	20	<1	0	<1	<1	<1		
24		Nanmokugawa River	Ozawabashi Bridge	Nanmokumura Village	2014/1/15	Cloudy	0.1	0.0	>100	29	<1	0	<1	<1	<1		
25		Someyagawa River	Yakushibashi Bridge	Shintomura Village	2014/1/14	Sunny	0.1	0.0	>100	30	5	4	<1	<1	<1		
26		Inogawa River	Kamakurabashi Bridge	Takasakishi City	2014/1/10	Sunny	0.3	0.0	>100	43	6	2	<1	<1	<1		
27	Karasugawa River	Iwakurabashi Bridge	Takasakishi City/Tamamuramachi Town	2014/1/16	Sunny	0.4	0.0	>100	37	2	1	<1	<1	<1			
28	Tonegawa River	Tonegawa River	Bandoohashi Bridge	Honjoshi City	2014/1/16	Sunny	0.3	0.0	>100	26	4	2	<1	<1	<1		
29		Akagishirakawa River	In Shimohosoimachi Town	Maebashishi City	2014/1/10	Sunny	0.2	0.0	>100	27	2	1	<1	<1	<1		
30		Momonokigawa River	Utsuobashi Bridge			2014/1/10	Sunny	0.3	0.0	>100	29	<1	0	<1	<1	<1	
31		Aratogawa River	Okuharabashi Bridge			2014/1/10	Sunny	0.4	0.0	81	27	7	5	<1	<1	<1	
32		Kasukawa River	Hozumibashi Bridge	Isesakishi City	2014/1/16	Sunny	0.2	0.0	>100	43	9	4	<1	<1	<1		
33		Hirosegawa River	Nakajimabashi Bridge			2014/1/16	Sunny	0.2	0.0	>100	34	5	2	<1	<1	<1	
34		Hayakawa River	Hayakawabashi Bridge	Otashi City	2014/1/10	Sunny	0.3	0.0	>100	25	6	3	<1	<1	<1		
35			Maejimabashi Bridge			2014/1/16	Sunny	0.4	0.0	>100	49	5	3	<1	<1	<1	
36		Tonegawa River	Toneozeki Weir	Chiyodamachi Town/Gyodashi City	2014/1/16	Sunny	0.3	0.0	>100	31	4	2	<1	<1	<1		
37		Watarasegawa River	Kogurogawa River	Kayanobashi Bridge	Kiryushi City	2014/1/17	Sunny	0.1	0.0	>100	8	2	0	<1	<1	<1	
38	Takatsudo					2014/1/17	Sunny	0.3	0.0	>100	13	<1	1	<1	<1	<1	
39	Intake for Akaiwayosui water chann			2014/1/17		Sunny	0.6	0.0	>100	15	1	1	<1	<1	<1		
40	Tataragawa River	Ejiribashi Bridge	Ouramachi Town	2014/1/20	Cloudy	0.5	0.0	>100	32	7	3	<1	<1	<1			
41	Kiryugawa River	Kannonbashi Bridge	Kiryushi City	2014/1/17	Sunny	0.3	0.0	>100	9	1	0	<1	<1	<1			
42		Sakaibashi Bridge	Kiryushi City/Ashikagashi City	2014/1/20	Cloudy	0.4	0.0	>100	12	13	2	<1	<1	<1			
43	Tsuruudagawa River	Jonuma Lake	Tatebayashishi City	2014/1/20	Cloudy	0.4	0.0	38	43	22	18	<1	<1	<1			
44	Yatagawa River	Togodabashi Bridge	Meiwamachi Town/Itakuramachi Town	2014/1/20	Cloudy	0.8	0.0	34	77	5	5	<1	<1	<1			

• Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.

• Radioactive materials concentrations contain some measurement errors but are not noted here.

ORiver: Sediment Monitoring Results

No.	Sampling point			Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks		
	Water body	Point	Municipality				Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium					
										Cs-134	Cs-137	Total			
1	Tonegawa River	Hirosebash Bridge	Minakamimachi Town	2014/1/8	Sunny	1.9	3	73	Sand/gravel	15	46	61			
2		Tonegawa River		Tsukiyonobashi Bridge	2014/1/8	Sunny	0.5	3	83	Gravel/sand	11	25	36		
3		Akayagawa River		Kosodebashi Bridge	2014/1/8	Sunny	0.3	3	76	Sand/gravel	26	64	90		
4		Sakuragawa River	In Ooaza Yachi	Kawabamura Village	2014/1/7	Sunny	0.4	5	79	Gravel/sand	37	110	147		
5		Katashinagawa River	Kirinokibashi Bridge	Katashinamura Village	2014/1/7	Sunny	0.6	5	78	Gravel/sand	12	22	34		
6			Tonemachitakatoya	Numatashi City	2014/1/7	Sunny	0.5	5	81	Gravel/sand	<10	<10	-		
7			Futaebashi Bridge		2014/1/7	Sunny	0.6	7	78	Gravel/sand	12	22	34		
8		Agatsumagawa River	Shintobashi Bridge	Naganoharamachi Town	2014/1/9	Sunny	0.5	5	75	Sand	<10	<10	-		
9		Shirasunagawa River	Shuttatsubashi Bridge	Nakanojomachi Town	2014/1/9	Sunny	0.6	4	76	Sand/gravel	<10	<10	-		
10		Agatsumagawa River	Downstream of Azumabashi	Higashiagatsumamachi Town	2014/1/9	Sunny	0.4	3	77	Gravel/sand	<10	<10	-		
11		Nakutagawa River	Tonodabashi Bridge	Takayamamura Village	2014/1/9	Sunny	0.6	5	73	Gravel/sand	12	26	38		
12		Agatsumagawa River	Agatsumabashi Bridge	Shibukawashi City	2014/1/8	Sunny	0.4	6	72	Sand	<10	10	10		
13		Tonegawa River	Taishobashi Bridge		2014/1/8	Cloudy	0.5	5	74	Sand/gravel	<10	20	20		
14		Takizawagawa River	Shintakizawabashi Bridge	Shibukawashi City/Yoshiokamachi Town	2014/1/8	Cloudy	0.4	4	73	Sand/gravel	12	27	39		
15		Tonegawa River	Gunmaohashi Bridge	Maebashishi City	2014/1/14	Sunny	0.3	8	66	Sand/silt	15	28	43		
16			Fukushimabashi Bridge	Tamamuramachi Town	2014/1/10	Sunny	0.5	7	77	Sand/silt	<10	<10	-		
17		Karasugawa River	Nagaigawa River	Kamigondabashi Bridge	2014/1/14	Sunny	0.3	7	75	Sand/gravel	18	34	52		
18			Karasugawa River	Karasugawabashi Bridge	Takasakishi City	2014/1/14	Sunny	0.3	6	78	Sand/gravel	<10	19	19	
19		Usuigawa River	Nakasebashi Bridge	Annakashi City	2014/1/15	Cloudy	0.2	7	61	Silt/sand	35	96	131		
20			Hanatakabashi Bridge	Takasakishi City	2014/1/14	Sunny	0.4	8	74	Sand	<10	<10	-		
21		Kaburagawa River	Tadakawabashi Bridge	Shimonitamachi Town	2014/1/15	Cloudy	0.7	8	86	Gravel/sand	<10	<10	-		
22			Kaburagawabashi Bridge	Takasakishi City/Fujiokashi City	2014/1/15	Sunny	0.2	5	72	Sand/silt	<10	22	22		
23		Ogawa River	Kinzanbashi Bridge	Kanramachi Town	2014/1/15	Cloudy	0.1	4	78	Sand/gravel	11	25	36		
24		Nanmokugawa River	Ozawabashi Bridge	Nanmokumura Village	2014/1/15	Cloudy	0.1	5	79	Gravel/sand	<10	11	11		
25		Someyagawa River	Yakushibashi Bridge	Shintomura Village	2014/1/14	Sunny	0.1	4	83	Gravel/sand	12	23	35		
26		Inogawa River	Kamakurabashi Bridge	Takasakishi City	2014/1/10	Sunny	0.3	5	74	Sand	12	27	39		
27		Karasugawa River	Iwakurabashi Bridge	Takasakishi City/Tamamuramachi Town	2014/1/16	Sunny	0.4	6	75	Gravel/sand	<10	16	16		
28		Tonegawa River	Bandoohashi Bridge	Honjoshi City	2014/1/16	Sunny	0.3	7	52	Silt/sand	15	38	53		
29			Akagishirakawa River	In Shimohosoimachi Town	2014/1/10	Sunny	0.2	6	76	Sand/silt	<10	13	13		
30			Momonokigawa River	Utsuboibashi Bridge	Maebashishi City	2014/1/10	Sunny	0.3	3	80	Sand/gravel	<10	13	13	
31			Aratogawa River	Okuharabashi Bridge	Isesakishi City	2014/1/10	Sunny	0.4	7	75	Sand/gravel	<10	10	10	
32			Kasukawa River	Hozumbashi Bridge		2014/1/16	Sunny	0.2	6	75	Sand/silt	10	19	29	
33			Hirosegawa River	Nakajimabashi Bridge		2014/1/16	Sunny	0.2	7	75	Sand/gravel	12	33	45	
34			Hayakawa River	Hayakawabashi Bridge	Otashi City	2014/1/10	Sunny	0.3	5	72	Sand/gravel	31	64	95	
35				Maejimabashi Bridge		2014/1/16	Sunny	0.4	8	73	Silt/sand	17	39	56	
36			Tonegawa River	Toneozeki Weir	Chiyodamachi Town/Gyodashi City	2014/1/16	Sunny	0.3	7	72	Sand/silt	<10	28	28	
37	Watarasegawa River	Kogurogawa River	Kayanobashi Bridge	2014/1/17	Sunny	0.1	5	76	Gravel/sand	27	60	87			
38		Takatsudo	Takatsudo	Kiryushi City	2014/1/17	Sunny	0.3	7	74	Sand	31	58	89		
39			Intake for Akaiwayosui water		2014/1/17	Sunny	0.6	8	78	Sand	12	40	52		
40	Tataragawa River	Ejiribashi Bridge	Ouramachi Town	2014/1/20	Cloudy	0.5	5	38	Silt	<10	26	26			
41	Kiryugawa River	Kannonbashi Bridge	Kiryushi City	2014/1/17	Sunny	0.3	7	75	Sand/gravel	36	71	107			
42		Sakaibashi Bridge	Kiryushi City/Ashikagashi City	2014/1/20	Cloudy	0.4	6	74	Gravel/sand	28	60	88			
43	Tsuruudagawa River	Jonuma Lake	Tatebayashishi City	2014/1/20	Cloudy	0.4	5	80	Gravel/sand	26	66	92			
44	Yatagawa River	Togodabashi Bridge	Meiwamachi Town/Itakuramachi Town	2014/1/20	Cloudy	0.8	4	77	Gravel/sand	<10	28	28			

• Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.

• Radioactive materials concentrations contain some measurement errors but are not noted here.

○River: Surrounding Environment Monitoring Results

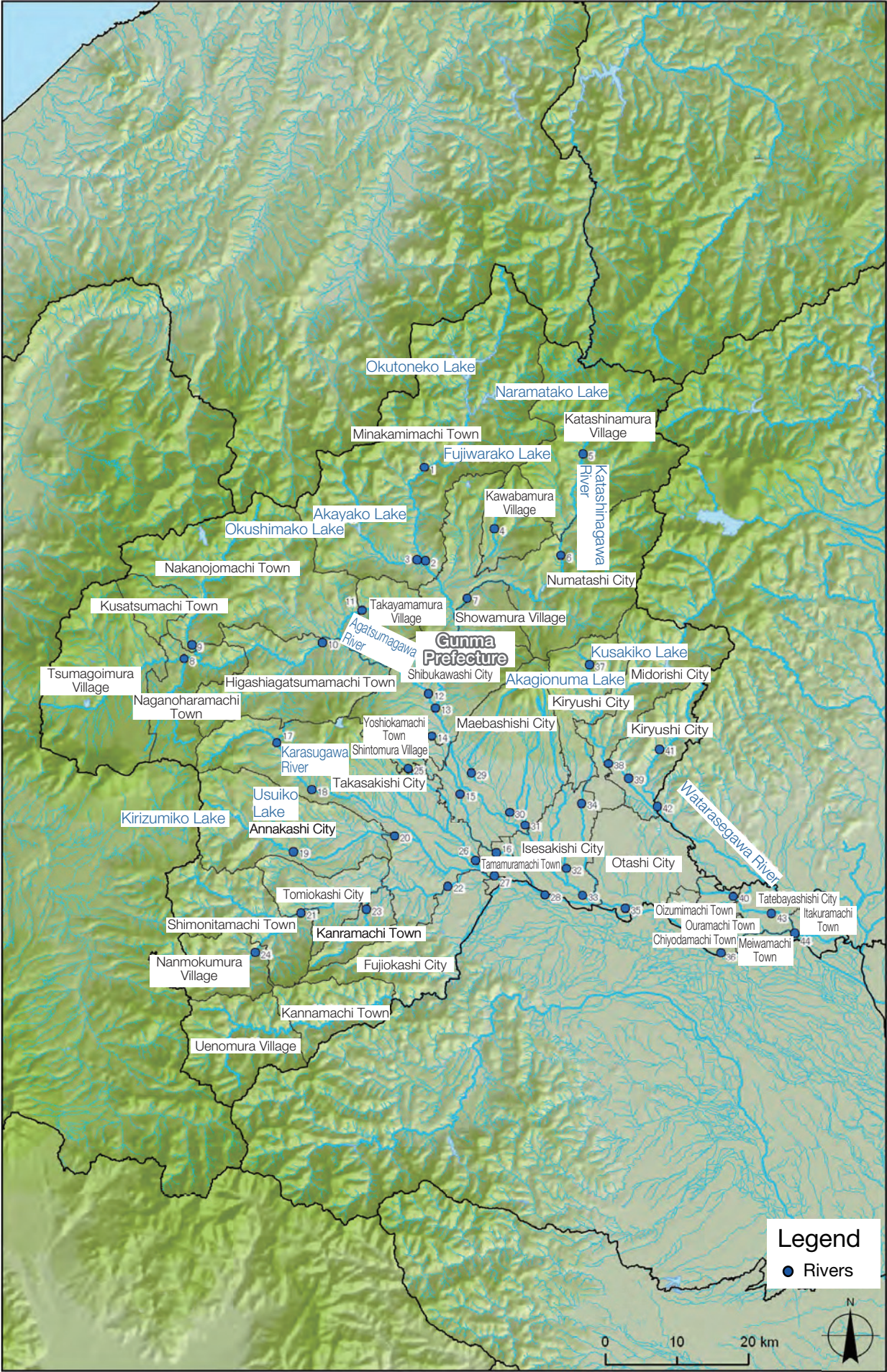
No.	Sampling point				Sampling date	Weather	Left bank					Right bank					Remarks	
	Water body	Point	Municipality	Property			Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)	Property	Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)			
							Cs-134	Cs-137	Total			Cs-134	Cs-137	Total				
1	Tonegawa River	Tonegawa River	Hirosebash Bridge	Minakamimachi Town	2014/1/8	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
2		Tonegawa River	Tsukiyonobashi Bridge		2014/1/8	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
3		Akayagawa River	Kosodebash Bridge	Kawabamura Village	2014/1/8	Sunny	Sandy	43	110	153	0.09	-	-	-	-	-	-	(Right bank) Unable to collect samples due to snow on the ground
4		Sakuragawa River	In Ooaza Yachi		2014/1/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
5		Katashinagawa River	Kirinokibashi Bridge	Katashinamura Village	2014/1/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
6			Katashinagawa River	Tonemachitakotoya	Numatashi City	2014/1/7	Sunny	Sandy	<10	14	14	0.09	Sandy	23	54	77	0.09	
7		Katashinagawa River	Futaebashi Bridge	2014/1/7		Sunny	Loamy	630	1,500	2,130	0.10	-	-	-	-	-	-	(Right bank) Unable to collect samples due to snow on the ground
8		Agatsumagawa River	Shintobashi Bridge	Naganoharamachi Town	2014/1/9	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
9		Shirasunagawa River	Shuttatsubashi Bridge	Nakanomomachi Town	2014/1/9	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
10		Agatsumagawa River	Downstream of Azumabashi Br	Higashiagatsumamachi Town	2014/1/9	Sunny	Sandy	<10	13	13	0.05	Loamy	160	390	550	0.07		
11		Nakutagawa River	Tonodabashi Bridge	Takayamamura Village	2014/1/9	Sunny	Loamy	220	570	790	0.05	Loamy	64	200	264	0.05		
12		Agatsumagawa River	Agatsumabashi Bridge	Shibukawashi City	2014/1/8	Sunny	Loamy	190	460	650	0.08	Loamy	440	1,100	1,540	0.09		
13		Tonegawa River	Taishobashi Bridge		2014/1/8	Cloudy	Loamy	200	490	690	0.07	Loamy	1,400	3,600	5,000	0.08		
14		Takizawagawa River	Shintakizawabashi Bridge	Shibukawashi City/Yoshiokamachi Town	2014/1/8	Cloudy	Loamy	140	330	470	0.06	Loamy	100	240	340	0.06		
15		Tonegawa River	Gunmaohashi Bridge	Maebashishi City	2014/1/14	Sunny	Loamy	27	60	87	0.05	Loamy	67	150	217	0.05		
16			Tonegawa River	Fukushimabashi Bridge	Tamamuramachi Town	2014/1/10	Sunny	Loamy	59	140	199	0.05	Loamy	39	94	133	0.07	
17	Karasugawa River	Nagagawa River	Kamigondabashi Bridge	Takasakishi City	2014/1/14	Sunny	Loamy	510	1,200	1,710	0.06	Loamy	320	810	1,130	0.12		
18		Karasugawa River	Karasugawabashi Bridge		2014/1/14	Sunny	Loamy	260	670	930	0.08	Loamy	21	48	69	0.08		
19		Usugawa River	Nakasebashi Bridge	Annakashi City	2014/1/15	Cloudy	Sandy	54	120	174	0.09	Loamy	300	770	1,070	0.13		
20			Usugawa River	Hanatakabashi Bridge	Takasakishi City	2014/1/14	Sunny	Loamy	160	350	510	0.05	Loamy	120	310	430	0.06	
21		Kaburagawa River	Tadakawabashi Bridge	Shimonitama City	2014/1/15	Cloudy	Loamy	140	310	450	0.08	Sandy	<10	15	15	0.07		
22			Kaburagawa River	Kaburagawabashi Bridge	Takasakishi City/Fujiokashi City	2014/1/15	Sunny	Loamy	29	96	125	0.04	Loamy	<10	23	23	0.05	
23		Ogawa River	Kinzanbashi Bridge	Kanramachi Town	2014/1/15	Cloudy	Loamy	24	78	102	0.07	Loamy	89	210	299	0.06		
24		Nanmokogawa River	Ozawabashi Bridge	Nanmokumura Village	2014/1/15	Cloudy	Loamy	59	160	219	0.08	Loamy	380	1,000	1,380	0.09		
25		Someyagawa River	Yakushibashi Bridge	Shintomura Village	2014/1/14	Sunny	Loamy	210	430	640	0.05	Loamy	99	220	319	0.04		
26		Inogawa River	Kamakurabashi Bridge	Takasakishi City	2014/1/10	Sunny	Loamy	25	71	96	0.05	Loamy	45	99	144	0.06		
27	Karasugawa River	Iwakurabashi Bridge	Takasakishi City/Tamamuramachi Town	2014/1/16	Sunny	Loamy	57	130	187	0.05	Loamy	<10	30	30	0.05			
28	Rinegawa River	Tonegawa River	Bandoohashi Bridge	Honjoshi City	2014/1/16	Sunny	Loamy	42	120	162	0.05	Loamy	41	110	151	0.06		
29		Akagishirakawa River	In Shimohosomachi Town	Maebashishi City	2014/1/10	Sunny	Loamy	37	99	136	0.07	Loamy	36	72	108	0.05		
30		Momonokigawa River	Utsuboibashi Bridge		2014/1/10	Sunny	Loamy	38	130	168	0.05	Loamy	57	140	197	0.07		
31		Aratogawa River	Okuharabashi Bridge	Isesakishi City	2014/1/10	Sunny	Loamy	23	62	85	0.04	Loamy	21	62	83	0.04		
32		Kasukawa River	Hozumbashi Bridge		2014/1/16	Sunny	Loamy	41	120	161	0.06	Loamy	19	59	78	0.05		
33		Hirosegawa River	Nakajimbashi Bridge		2014/1/16	Sunny	Loamy	44	110	154	0.06	Loamy	51	100	151	0.05		
34		Hayakawa River	Hayakawabashi Bridge		2014/1/10	Sunny	Loamy	91	270	361	0.06	Loamy	280	690	970	0.08		
35		Hayakawa River	Maejimbashi Bridge	Otashi City	2014/1/16	Sunny	Loamy	31	72	103	0.05	Loamy	69	140	209	0.05		
36	Tonegawa River	Tonezeeki Weir	Chiyodamachi Town/Gyodashi City	2014/1/16	Sunny	Loamy	120	270	390	0.05	Loamy	42	98	140	0.08			
37	Watarasegawa River	Kogurogawa River	Kayanobashi Bridge	Kiryushi City	2014/1/17	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
38		Watarasegawa River	Takatsudo		2014/1/17	Sunny	Loamy	12	31	43	0.08	Loamy	<10	25	25	0.07		
39		Watarasegawa River	Intake for Akaiwayosui water ch	2014/1/17	Sunny	Loamy	67	180	247	0.08	Sandy	30	97	127	0.07			
40		Tataragawa River	Ejiribashi Bridge	Ouramachi Town	2014/1/20	Cloudy	Loamy	100	280	380	0.06	Loamy	68	180	248	0.06		
41		Kiryugawa River	Kannonbashi Bridge	Kiryushi City	2014/1/17	Sunny	Loamy	150	380	530	0.06	Loamy	34	64	98	0.08		
42			Kiryugawa River	Sakaibashi Bridge	Kiryushi City/Ashikagashi City	2014/1/20	Cloudy	Loamy	28	59	87	0.05	Loamy	24	61	85	0.06	
43		Tsuruudagawa River	Jonuma Lake	Tatebayashishi City	2014/1/20	Cloudy	Loamy	120	300	420	0.05	Loamy	270	680	950	0.06		
44	Yatagawa River	Togodabashi Bridge	Meiwamachi Town/Itakuramachi Town	2014/1/20	Cloudy	Loamy	73	160	233	0.08	Loamy	55	150	205	0.07			

• Samples for surrounding environment (soil) were generally collected from 5 points in 3m square in the river terrace, etc., and mixed. Depending on the site situation, factors, such as the area of sampling may be much smaller, may cause figures to vary significantly.

• Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.

• Air dose was measured with a survey meter, TCS-172B of Hitachi-Aloka Medical, Ltd.

• Radioactive materials concentrations contain some measurement errors but are not noted here.



Legend

● Rivers

0 10 20 km

