

(News Release)  
The Results of Radioactive Material Monitoring of the Surface Water Bodies  
within Fukushima Prefecture  
(October-December Samples)

<Simultaneously released to the Fukushima Prefecture Press Club>

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Water Environment Division,  
Environment Management Bureau,  
Ministry of the Environment  
Direct line: 03-5521-8316  
Switchboard: 03-3581-3351  
Director: Masanobu Miyazaki (ext. 6610)  
Deputy Director: Saori Nagasawa (ext. 6614)  
Coordinator: Katsuhiko Sato (ext. 6628)

In accordance with the Comprehensive Radiation Monitoring Plan determined by the Monitoring Coordination Meeting, the Ministry of the Environment (MOE) is continuing to monitor radioactive materials in water environments (surface water bodies (rivers, lakes and headwaters, and coasts), etc.).

Samples taken from the surface water bodies of Fukushima Prefecture during the period of October 1-December 26, 2013 have been measured as part of MOE's efforts to monitor radioactive materials; the results have recently been compiled and are released here.

The monitoring results of radioactive materials in surface water bodies carried out to date can be found at the following web page: <http://www.env.go.jp/jishin/rmp.html#monitoring>

1. Survey Overview

(1) Survey Locations

222 environmental reference points, etc. in the surface water bodies within Fukushima Prefecture  
(Rivers: 123 locations, Lakes and headwaters: 84 locations, Coasts: 15 locations)

(2) 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 (for rivers and lakes, July-September 2013; for coasts, November 2013))

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

Radioactive materials were not detectable (ND) at almost all locations, but were detectable in water with high levels of suspended solids (SS) and turbidity at some locations, such as the area around the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station.

In the case of lakes and headwaters in particular, radioactive materials were detected at locations prone to higher turbidity, such as those with substrata and those where the water is shallow.

(Rivers)

Cs-134 + Cs-137: ND-1Bq/L (\* ND-5Bq/L)

(Lakes and headwaters)

Cs-134 + Cs-137: ND-42Bq/L (\* ND-19Bq/L)

(Coasts)

Cs-134 + Cs-137: ND at all locations (\*ND at all locations)

<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))

At the majority of locations in rivers, the levels were around 2,000Bq/kg or below; in lakes/headwaters, around 5,000Bq/kg or below at most locations; and on coasts, around 500Bq/kg at most locations. High figures were seen at some locations, such as the area around the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station.

In terms of the overall trend, levels in rivers and lakes/headwaters have generally remained constant or declined with some fluctuations. For coasts, levels have declined or remained constant at almost all locations. Substantial fluctuations could be seen at some locations, such as the area around the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station. Overall, no major increases were observed.

(Rivers)

Cs-134 + Cs-137: ND-45,000Bq/kg (dried mud) (\*ND-37,000Bq/kg (dried mud))

(Lakes and headwaters)

Cs-134 + Cs-137: ND-450,000Bq/kg (dried mud) (\*ND-279,000Bq/kg (dried mud))

(Coasts)

Cs-134 + Cs-137: ND-870Bq/kg (dried mud) (\*ND-530Bq/kg (dried mud))

<Reference> Number of locations by radioactive cesium concentration (1,000Bq/kg)  
Numbers in ( ) denote results measured on the previous occasion.

	1000 or below	1,001 -2,000	2,001 -3,000	3,001 -4,000	4,001 -5,000	5,001 or more	Total
Rivers	205 (150)	15 (12)	7 (4)	4 (3)	3 (2)	13 (12)	247 (183)
Lakes and headwaters	73 (66)	14 (10)	13 (10)	10 (2)	8 (7)	56 (46)	174 (135)

<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 or more	Total
Coasts	12 (13)	3 (2)	-	-	-	-	15 (15)

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

(Rivers)

Cs-134 + Cs-137: ND-199,000Bq/kg (dry) (\*11-126,000Bq/kg (dry))

Spatial dose: 0.05-9.88μSv/h

(Lakes and headwaters)

Cs-134 + Cs-137: 13-268,000Bq/kg (dry) (\*ND-320,000Bq/kg (dry))

Spatial dose: 0.05-23.34μSv/h

(Annex for details, Map attached)

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.

ORiver (Fukushima Prefecture, Hamadori Area): Water Quality Monitoring Results

(Annex)

Sampling point				Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Water body	Point	Municipality				Sampling depth (m)	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium		
													Cs-137	
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2013/10/3	Cloudy	0.7	0.0	95	3,890	2	2	<1	<1	
				2013/12/3	Sunny	4.3	0.0	>100	2,670	2	2	<1	<1	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2013/10/3	Cloudy	0.4	0.0	84	22	7	3	<1	<1	
				2013/12/3	Sunny	0.2	0.0	>100	25	2	2	<1	<1	
3	Koizumigawa River	Hyakkenbashi Bridge	Somashi City	2013/10/3	Sunny	0.8	0.0	50	916	8	6	<1	<1	
				2013/12/3	Sunny	1.2	0.0	>100	3,180	3	1	<1	<1	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2013/10/3	Cloudy	0.6	0.0	>100	10	4	1	<1	<1	
				2013/12/3	Sunny	0.5	0.0	>100	10	<1	0	<1	<1	
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2013/10/3	Sunny	0.7	0.0	91	438	3	2	<1	<1	
				2013/12/3	Sunny	1.0	0.0	>100	460	2	1	<1	<1	
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2013/10/3	Cloudy	0.6	0.0	>100	13	3	2	<1	<1	
				2013/12/4	Sunny	0.7	0.0	>100	13	2	1	<1	<1	
7	Manogawa River	Majimabashi Bridge	Minamisomashi City	2013/10/15	Cloudy	0.6	0.0	>100	1,416	4	2	<1	<1	
				2013/12/4	Sunny	2.0	0.0	>100	2,410	2	1	<1	<1	
8	Niidagawa River	Kusano	Iitatemura Village	2013/10/15	Cloudy	0.5	0.0	>100	7	1	1	<1	<1	
				2013/12/2	Sunny	0.5	0.0	>100	39	4	1	<1	<1	
9	Niidagawa River	Komiya	Iitatemura Village	2013/10/15	Cloudy	0.5	0.0	>100	7	1	1	<1	<1	
				2013/12/2	Sunny	0.7	0.0	>100	12	<1	1	<1	<1	
10	Niidagawa River	Kidouchibashi Bridge	Minamisomashi City	2013/10/15	Cloudy	0.6	0.0	>100	7	<1	1	<1	<1	
				2013/12/2	Sunny	1.8	0.0	>100	7	<1	1	<1	<1	
11	Niidagawa River	Sakekawabashi Bridge	Minamisomashi City	2013/10/23	Cloudy	1.5	0.0	>100	11	4	3	<1	<1	
				2013/12/2	Sunny	1.5	0.0	>100	475	<1	1	<1	<1	
12	Otagawa River	Ishiwatabashi Bridge	Minamisomashi City	2013/10/22	Light rain	0.4	0.0	>100	7	1	1	<1	<1	
				2013/12/4	Cloudy	0.8	0.0	>100	6	<1	0	<1	<1	
13	Otagawa River	Ogurogawa River Estuary	Minamisomashi City	2013/10/22	Light rain	0.5	0.0	>100	9	<1	1	<1	<1	
				2013/12/4	Sunny	0.5	0.0	>100	7	<1	0	<1	<1	
14	Otagawa River	Masudabashi Bridge	Minamisomashi City	2013/10/22	Light rain	0.3	0.0	>100	10	<1	1	<1	<1	
				2013/12/4	Sunny	1.0	0.0	>100	10	1	1	<1	<1	
15	Otagawa River	JR Tetsudobashi Bridge	Minamisomashi City	2013/10/22	Light rain	0.5	0.0	>100	11	3	3	<1	<1	
				2013/12/5	Sunny	0.3	0.0	>100	11	2	1	<1	<1	
16	Otagawa River	Maruyamabashi Bridge	Minamisomashi City	2013/10/28	Sunny	0.5	0.0	>100	294	3	2	<1	<1	
				2013/12/5	Sunny	0.5	0.0	52	3,840	14	4	<1	<1	
17	Odakagawa River	Shimokawarabashi Bridge	Minamisomashi City	2013/10/23	Light rain	0.5	0.0	>100	8	2	2	<1	<1	
				2013/12/5	Sunny	0.2	0.0	>100	10	<1	0	<1	<1	
18	Odakagawa River	Zenchobashi Bridge	Minamisomashi City	2013/10/23	Cloudy	0.7	0.0	73	9	6	4	<1	<1	
				2013/12/5	Sunny	0.5	0.0	>100	13	2	1	<1	<1	
19	Odakagawa River	Hatsukarabashi Bridge	Minamisomashi City	2013/10/28	Sunny	0.7	0.0	>100	126	3	3	<1	<1	
				2013/12/5	Sunny	1.2	0.0	>100	3,180	8	3	<1	<1	
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2013/10/5	Light rain	0.3	0.0	>100	6	1	1	<1	<1	
				2013/11/1	Sunny	0.6	0.0	>100	5	<1	2	<1	<1	
21	Ukedogawa River	Ukedobashi Bridge	Namiemachi Town	2013/12/6	Sunny	0.4	0.0	>100	6	<1	1	<1	<1	
				2013/10/1	Cloudy	0.6	0.0	69	10	1	1	<1	<1	
22	Ogurogawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichidaidain)	Tamura City	2013/11/1	Sunny	0.6	0.0	72	18	7	3	<1	<1	
				2013/12/6	Sunny	0.5	0.0	>100	9	<1	1	<1	<1	
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2013/10/5	Light rain	0.3	0.0	>100	8	2	1	<1	<1	
				2013/12/10	Cloudy	0.5	0.0	>100	7	<1	1	<1	<1	
24	Maedagawa River	Ogurogawa River Estuary	Futabamachi Town	2013/10/1	Sunny	0.5	0.0	>100	7	2	1	<1	<1	
				2013/12/6	Cloudy	0.3	0.0	>100	12	2	1	<1	<1	
25	Maedagawa River	Nakahamabashi Bridge	Namiemachi Town	2013/10/1	Light rain	0.4	0.0	84	127	<1	3	<1	<1	
				2013/12/6	Sunny	1.0	0.0	>100	332	4	3	<1	<1	
26	Kumagawa River	National Route 6, west	Okumamachi Town	2013/10/3	Cloudy	0.2	0.0	>100	9	2	1	<1	<1	
				2013/12/12	Sunny	0.5	0.0	>100	7	<1	0	<1	<1	
27	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2013/10/3	Cloudy	0.5	0.0	>100	11	5	2	<1	<1	
				2013/12/12	Sunny	0.4	0.0	>100	8	<1	1	<1	<1	

Sampling point				Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks	
No.	Water body	Point	Municipality				Sampling depth (m)	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium			
													Cs-137		
28	Tomiokagawa River	Nabekurabashi Bridge	Kawauchimura Village	2013/10/3	Sunny	0.2	0.0	>100	5	<1	0	<1	<1		
				2013/12/13	Sunny	0.4	0.0	>100	6	<1	0	<1	<1		
29		Sakaigawabashi Bridge	Kawauchimura Village	2013/10/3	Sunny	0.4	0.0	>100	7	5	1	<1	<1		
				2013/12/13	Sunny	0.4	0.0	>100	6	1	1	<1	<1		
30		National Route 6, west	Tomiokamachi Town	2013/10/4	Cloudy	0.4	0.0	>100	10	2	1	<1	<1		
				2013/12/11	Sunny	0.5	0.0	>100	9	<1	0	<1	<1		
31	Kobamabashi Bridge	Tomiokamachi Town	2013/10/4	Cloudy	0.6	0.0	>100	12	2	1	<1	<1			
			2013/12/11	Sunny	0.3	0.0	>100	10	<1	1	<1	<1			
32	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2013/10/4	Cloudy	0.4	0.0	>100	10	2	1	<1	<1		
				2013/12/11	Sunny	0.4	0.0	>100	9	<1	0	<1	<1		
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatabashi Bridge)	Kawauchimura Village	2013/10/3	Cloudy	0.4	0.0	>100	4	2	0	<1	<1		
				2013/12/13	Sunny	0.3	0.0	>100	4	<1	0	<1	<1		
34	Kidogawa River	Nishiyamabashi Bridge	Kawauchimura Village	2013/10/3	Cloudy	0.6	0.0	>100	5	2	1	<1	<1		
				2013/12/13	Sunny	0.4	0.0	>100	5	<1	0	<1	<1		
35		Nagatorobashi Bridge	Narahamachi Town	2013/10/4	Cloudy	0.4	0.0	>100	6	2	1	<1	<1		
				2013/12/11	Cloudy	0.4	0.0	>100	5	<1	1	<1	<1		
36		Kidokawabashi Bridge	Narahamachi Town	2013/10/4	Cloudy	0.4	0.0	>100	6	1	1	<1	<1		
				2013/12/11	Cloudy	0.4	0.0	>100	5	1	1	<1	<1		
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2013/10/5	Cloudy	0.4	0.0	>100	10	2	1	<1	<1		
				2013/12/8	Sunny	0.3	0.0	>100	13	<1	1	<1	<1		
38	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2013/10/7	Sunny	0.6	0.0	80	38	4	4	<1	<1		
				2013/12/12	Sunny	0.5	0.0	>100	197	3	1	<1	<1		
39		Kohisagawa River		Rengobashi Bridge	2013/10/7	Sunny	0.5	0.0	72	79	5	4	<1	<1	
					2013/12/8	Sunny	0.4	0.0	>100	54	4	2	<1	<1	
40		Niidagawa River		Kasumidabashi Bridge	Iwakishi City	2013/10/6	Cloudy	0.7	0.0	50	22	6	2	<1	<1
						2013/12/7	Cloudy	0.7	0.0	>100	24	<1	1	<1	<1
41	Matsubabashi Bridge		Iwakishi City	2013/10/6		Cloudy	0.9	0.0	53	269	8	4	<1	<1	
				2013/12/7		Cloudy	1.2	0.0	>100	465	2	2	<1	<1	
42	Natsugawa River		Kitanouchibashi Bridge	Onomachi Town		2013/10/9	Sunny	0.6	0.0	90	13	6	2	<1	<1
						2013/12/11	Cloudy	0.6	0.0	>100	13	2	2	<1	<1
43		Kyudayubashi Bridge	Onomachi Town		2013/10/5	Cloudy	0.4	0.0	>100	12	5	2	<1	<1	
					2013/12/5	Sunny	1.2	0.0	>100	13	5	1	<1	<1	
44		Rokujumabashi Bridge	Onomachi Town		2013/10/6	Cloudy	0.5	0.0	75	16	13	3	<1	<1	
					2013/12/7	Sunny	0.8	0.0	>100	16	<1	1	<1	<1	
45	Yoshimagawa River	Iwaanatsuribashi Bridge	Iwakishi City	2013/10/5	Cloudy	0.7	0.0	>100	13	1	1	<1	<1		
				2013/12/11	Cloudy	0.7	0.0	>100	11	1	1	<1	<1		
46		Before the confluence with Natsugawa River		Iwakishi City	2013/10/9	Sunny	0.5	0.0	>100	19	3	1	<1	<1	
					2013/12/7	Cloudy	0.5	0.0	>100	20	2	1	<1	<1	
47		Fujiwaragawa River		Shimabashi Bridge	Iwakishi City	2013/10/3	Sunny	0.8	0.0	43	75	13	5	<1	<1
						2013/12/3	Cloudy	0.8	0.0	35	270	13	9	<1	<1
48	Minatoohashi Bridge		Iwakishi City	2013/10/3		Sunny	2.2	0.0	44	2,060	9	4	<1	<1	
				2013/12/3		Cloudy	2.4	0.0	64	3,540	6	4	<1	<1	
49	Samegawa River		Idosawabashi Bridge	Iwakishi City		2013/10/8	Sunny	1.5	0.0	80	12	3	2	<1	<1
						2013/12/4	Cloudy	1.5	0.0	>100	22	2	1	<1	<1
50		Samegawabashi Bridge	Iwakishi City		2013/10/7	Sunny	0.4	0.0	>100	309	2	2	<1	<1	
					2013/12/4	Cloudy	0.5	0.0	33	570	2	1	<1	<1	
51		Shitokigawa River	Komurobashi Bridge		Iwakishi City	2013/10/4	Cloudy	0.5	0.0	>100	8	<1	0	<1	<1
						2013/12/6	Sunny	0.5	0.0	>100	11	<1	0	<1	<1
52	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2013/10/4	Cloudy	0.4	0.0	>100	42	6	2	<1	<1		
				2013/12/6	Sunny	0.5	0.0	>100	36	2	2	<1	<1		
53		Bindabashi Bridge		Iwakishi City	2013/10/4	Cloudy	2.4	0.0	78	251	6	2	<1	<1	
					2013/12/6	Sunny	1.7	0.0	>100	256	2	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.

○River (Fukushima Prefecture, Hamadori Area): Sediment Monitoring Results

Sampling point				Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks
No.	Water body	Point	Municipality				Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium			
										Cs-134	Cs-137		
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2013/10/3	Cloudy	0.7	10	79	Sand	<10	<10	-	
				2013/12/3	Sunny	4.3	5	39	Silt	330	770	1,100	
2	Koizumigawa River	Koizumbashi Bridge	Somashi City	2013/10/3	Cloudy	0.4	10	75	Sand	460	1,000	1,460	
				2013/12/3	Sunny	0.2	5	83	Gravel	71	190	261	
3	Koizumigawa River	Hyakkenbashi Bridge	Somashi City	2013/10/3	Sunny	0.8	10	76	Sand	170	340	510	
				2013/12/3	Sunny	1.2	5	71	Silt/sand	230	520	750	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2013/10/3	Cloudy	0.6	10	71	Sand	220	430	650	
				2013/12/3	Sunny	0.5	5	84	Gravel	120	270	390	
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2013/10/3	Sunny	0.7	10	80	Sand/gravel	22	38	60	
				2013/12/3	Sunny	1.0	5	81	Sand	21	43	64	
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2013/10/3	Cloudy	0.6	10	82	Gravel/sand	66	170	236	
				2013/12/4	Sunny	0.7	5	79	Sand/gravel	140	350	490	
7	Manogawa River	Majimabashi Bridge	Minamisomashi City	2013/10/15	Cloudy	0.6	10	50	Silt	1,100	2,400	3,500	
				2013/12/4	Sunny	2.0	5	40	Silt	1,500	3,600	5,100	
8	Niidagawa River	Kusano	Iitatemura Village	2013/10/15	Cloudy	0.5	10	80	Gravel/sand	270	690	960	
				2013/12/2	Sunny	0.5	5	87	Gravel	140	370	510	
9	Niidagawa River	Komiya	Iitatemura Village	2013/10/15	Cloudy	0.5	6	75	Sand	680	1,600	2,280	
				2013/12/2	Sunny	0.7	5	79	Sand	510	1,300	1,810	
10	Niidagawa River	Kidouchibashi Bridge	Iitatemura Village	2013/10/15	Cloudy	0.6	5	80	Gravel/sand	240	520	760	
				2013/12/2	Sunny	1.8	5	78	Sand	460	1,100	1,560	
11	Niidagawa River	Sakekawabashi Bridge	Iitatemura Village	2013/10/23	Cloudy	1.5	10	66	Sand/silt	1,200	2,900	4,100	
				2013/12/2	Sunny	1.5	5	58	Silt	2,400	6,000	8,400	
12	Otagawa River	Ishiwatadobashi Bridge	Minamisomashi City	2013/10/22	Light rain	0.4	5	77	Sand/gravel	3,400	7,900	11,300	
				2013/12/4	Cloudy	0.8	5	75	Gravel/sand	2,400	5,900	8,300	
13	Otagawa River	Ogurogawa River Estuary	Minamisomashi City	2013/10/22	Light rain	0.5	5	77	Sand	2,200	5,200	7,400	
				2013/12/4	Sunny	0.5	5	80	Sand/gravel	1,600	3,900	5,500	
14	Otagawa River	Masudabashi Bridge	Minamisomashi City	2013/10/22	Light rain	0.3	5	76	Sand	700	1,700	2,400	
				2013/12/4	Sunny	1.0	5	39	Silt	5,800	14,000	19,800	
15	Otagawa River	JR Tetsudobashi Bridge	Minamisomashi City	2013/10/22	Light rain	0.5	5	78	Sand	330	780	1,110	
				2013/12/5	Sunny	0.3	5	80	Sand	320	790	1,110	
16	Otagawa River	Maruyamabashi Bridge	Minamisomashi City	2013/10/28	Sunny	0.5	5	76	Sand/gravel	12	38	50	
				2013/12/5	Sunny	0.5	5	75	Sand	<10	16	16	
17	Odakagawa River	Shimokawarabashi Bridge	Namiemachi Town	2013/10/23	Light rain	0.5	5	73	Sand	1,100	2,700	3,800	
				2013/12/5	Sunny	0.2	5	79	Sand/gravel	260	680	940	
18	Odakagawa River	Zenchobashi Bridge	Namiemachi Town	2013/10/23	Cloudy	0.7	5	80	Sand	99	260	359	
				2013/12/5	Sunny	0.5	5	81	Gravel	95	230	325	
19	Odakagawa River	Hatsukarabashi Bridge	Namiemachi Town	2013/10/28	Sunny	0.7	10	76	Sand	19	52	71	
				2013/12/5	Sunny	1.2	5	75	Sand	17	35	52	
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2013/10/5	Light rain	0.3	3	79	Gravel/sand	4,500	10,000	14,500	
				2013/11/1	Sunny	0.6	10	78	Sand/gravel	5,000	12,000	17,000	
21	Ukedogawa River	Ukedobashi Bridge	Namiemachi Town	2013/12/6	Sunny	0.4	5	76	Sand	5,000	12,000	17,000	
				2013/10/1	Cloudy	0.6	3	31	Silt/sand	14,000	31,000	45,000	
22	Ogurogawa River	Before the confluence with Takasegawa River (Myakojimachi Town furumichishitadaira)	Tamurashi City	2013/10/1	Sunny	0.6	10	80	Sand/gravel	1,400	3,300	4,700	
				2013/12/6	Sunny	0.5	5	75	Sand	3,500	8,600	12,100	
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2013/10/5	Light rain	0.3	3	76	Gravel/sand	51	120	171	
				2013/12/10	Cloudy	0.5	10	74	Sand	86	230	316	
24	Maedagawa River	Ogurogawa River Estuary	Futabamachi Town	2013/10/1	Sunny	0.5	3	82	Gravel/sand	430	940	1,370	
				2013/12/6	Sunny	0.3	5	91	Gravel	150	360	510	
25	Maedagawa River	Nakahamabashi Bridge	Namiemachi Town	2013/10/1	Sunny	0.6	3	79	Sand/gravel	1,100	2,500	3,600	
				2013/12/6	Cloudy	0.3	5	83	Gravel	1,200	2,900	4,100	
26	Kumagawa River	National Route 6, west	Okumamachi Town	2013/10/1	Light rain	0.4	3	80	Gravel/sand	840	1,900	2,740	
				2013/12/6	Sunny	1.0	5	81	Sand/gravel	680	1,700	2,380	
27	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2013/10/3	Cloudy	0.2	3	78	Gravel/sand	680	1,600	2,280	
				2013/12/12	Sunny	0.5	5	93	Sand	250	580	830	
				2013/10/3	Cloudy	0.5	3	78	Gravel/sand	1,600	3,700	5,300	
				2013/12/12	Sunny	0.4	5	96	Sand/gravel	570	1,300	1,870	

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			
28	Tomiokagawa River	Nabekurabashi Bridge	Kawauchimura Village	2013/10/3	Sunny	0.2	3	77	Gravel/sand	86	190	276		
				2013/12/13	Sunny	0.4	5	75	Sand	44	100	144		
29		Sakaigawabashi Bridge	Kawauchimura Village	2013/10/3	Sunny	0.4	3	89	Gravel/sand	110	230	340		
				2013/12/13	Sunny	0.4	5	75	Sand/gravel	170	410	580		
30		National Route 6, west	Tomiokamachi Town	2013/10/4	Cloudy	0.4	3	81	Gravel/sand	360	790	1,150		
				2013/12/11	Sunny	0.5	5	80	Sand/gravel	440	1,100	1,540		
31		Kobamabashi Bridge	Tomiokamachi Town	2013/10/4	Cloudy	0.6	3	84	Gravel/sand	520	1,200	1,720		
				2013/12/11	Sunny	0.3	5	82	Sand/gravel	690	1,700	2,390		
32		Idegawa River	Motogamabashi Bridge	Narahamachi Town	2013/10/4	Cloudy	0.4	3	79	Gravel/sand	180	410	590	
					2013/12/11	Sunny	0.4	5	78	Sand/gravel	140	330	470	
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatabashi Bridge)	Kawauchimura Village	2013/10/3	Cloudy	0.4	3	77	Sand/gravel	67	150	217		
				2013/12/13	Sunny	0.3	5	77	Sand	50	120	170		
34	Kidogawa River	Nishiyamabashi Bridge	Kawauchimura Village	2013/10/3	Cloudy	0.6	3	74	Sand/gravel	33	78	111		
				2013/12/13	Sunny	0.4	5	80	Sand	21	46	67		
35		Nagatorobashi Bridge	Narahamachi Town	2013/10/4	Cloudy	0.4	3	86	Gravel/sand	13	45	58		
				2013/12/11	Cloudy	0.4	5	82	Sand	30	87	117		
36		Kidokawabashi Bridge	Narahamachi Town	2013/10/4	Cloudy	0.4	3	81	Gravel/sand	54	120	174		
				2013/12/11	Cloudy	0.4	5	79	Sand	60	150	210		
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2013/10/5	Cloudy	0.4	3	79	Sand/gravel	57	130	187		
				2013/12/8	Sunny	0.3	3	78	Sand/gravel	40	98	138		
38	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2013/10/7	Sunny	0.6	10	87	Gravel/sand	120	250	370		
				2013/12/12	Sunny	0.5	5	87	Sand/gravel	100	260	360		
39	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2013/10/7	Sunny	0.5	5	78	Sand/gravel	82	180	262		
				2013/12/8	Sunny	0.4	5	78	Sand/gravel	51	140	191		
40	Niidagawa River	Kasumidabashi Bridge	Iwakishi City	2013/10/6	Cloudy	0.7	5	83	Gravel/sand	32	68	100		
				2013/12/7	Cloudy	0.7	5	84	Gravel/sand	<10	17	17		
41		Matsubabashi Bridge		2013/10/6	Cloudy	0.9	10	72	Sand/gravel	130	300	430		
				2013/12/7	Cloudy	1.2	10	91	Gravel/sand	25	55	80		
42	Natsugawa River	Kitanouchibashi Bridge	Onomachi Town	2013/10/9	Sunny	0.6	10	77	Sand	12	30	42		
				2013/12/11	Cloudy	0.6	10	92	Sand	<10	21	21		
43	Natsugawa River	Kyudayubashi Bridge	Onomachi Town	2013/10/5	Cloudy	0.4	10	93	Sand	<10	14	14		
				2013/12/5	Sunny	1.2	5	77	Sand	11	25	36		
44	Yoshimagawa River	Rokujumaibashi Bridge	Onomachi Town	2013/10/6	Cloudy	0.5	10	78	Sand	27	64	91		
				2013/12/7	Sunny	0.8	5	93	Sand	19	40	59		
45	Yoshimagawa River	Iwaanatsuribashi Bridge	Onomachi Town	2013/10/5	Cloudy	0.7	10	79	Sand	55	120	175		
				2013/12/11	Cloudy	0.7	5	78	Sand	25	55	80		
46	Yoshimagawa River	Before the confluence with Natsugawa River	Onomachi Town	2013/10/9	Sunny	0.5	10	82	Sand	13	24	37		
				2013/12/7	Cloudy	0.5	5	89	Sand/gravel	<10	17	17		
47	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2013/10/3	Sunny	0.8	5	43	Sand	390	890	1,280		
				2013/12/3	Cloudy	0.8	5	61	Sand	31	69	100		
48	Fujiwaragawa River	Minatoohashi Bridge	Iwakishi City	2013/10/3	Sunny	2.2	10	59	Silt/sand	99	270	369		
				2013/12/3	Cloudy	2.4	10	45	Silt	210	520	730		
49	Samegawa River	Idosawabashi Bridge	Iwakishi City	2013/10/8	Sunny	1.5	10	76	Sand/gravel	48	100	148		
				2013/12/4	Cloudy	1.5	10	82	Sand/gravel	16	32	48		
50	Samegawa River	Samegawabashi Bridge	Iwakishi City	2013/10/7	Sunny	0.4	5	83	Sand/gravel	17	42	59		
				2013/12/4	Cloudy	0.5	3	80	Sand/gravel	17	41	58		
51	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2013/10/4	Cloudy	0.5	5	76	Sand	12	29	41		
				2013/12/6	Sunny	0.5	5	76	Sand	15	33	48		
52	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2013/10/4	Cloudy	0.4	5	78	Sand/gravel	38	94	132		
				2013/12/6	Sunny	0.5	5	82	Sand/gravel	26	57	83		
53	Bindagawa River	Bindabashi Bridge	Iwakishi City	2013/10/4	Cloudy	2.4	10	27	Silt	620	1,400	2,020		
				2013/12/6	Sunny	1.7	10	71	Silt/sand	99	250	349		

• 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 (Fukushima Prefecture, Hamadori Area): Surrounding Environment Monitoring Results

Sampling point				Sampling date	Weather	Left bank					Right bank					Remarks
No.	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-137	Total			
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2013/10/3	Cloudy	Sandy	350	770	1,120	0.19	Loamy	360	880	1,240	0.11	
				2013/12/3	Sunny	Sandy	380	930	1,310	0.17	Sandy	200	440	640	0.12	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2013/10/3	Cloudy	Loamy	720	1,600	2,320	0.24	Loamy	670	1,600	2,270	0.21	
				2013/12/3	Sunny	Loamy	550	1,300	1,850	0.25	Loamy	760	1,800	2,560	0.21	
3	Koizumigawa River	Hyakkenbashi Bridge	Somashi City	2013/10/3	Sunny	Loamy	730	1,700	2,430	0.23	Loamy	1,100	2,500	3,600	0.22	
				2013/12/3	Sunny	Loamy	660	1,600	2,260	0.24	Clay-loamy	550	1,400	1,950	0.22	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2013/10/3	Cloudy	Loamy	470	1,100	1,570	0.25	Sandy	810	1,800	2,610	0.26	
				2013/12/3	Sunny	Sandy/loamy	940	2,300	3,240	0.23	Sandy/loamy	720	1,800	2,520	0.30	
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2013/10/3	Sunny	Loamy	950	2,000	2,950	0.18	Loamy	600	1,400	2,000	0.18	
				2013/12/3	Sunny	Loamy	1,200	2,700	3,900	0.22	Sandy/loamy	220	540	760	0.20	
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2013/10/3	Cloudy	Loamy	450	1,000	1,450	0.37	Loamy	2,000	4,600	6,600	0.66	
				2013/12/4	Sunny	Sandy	360	860	1,220	0.34	Loamy	1,400	3,300	4,700	0.61	
7	Manogawa River	Majimabashi Bridge	Minamisomashi City	2013/10/15	Cloudy	Loamy	670	1,500	2,170	0.07	Loamy	290	690	980	0.17	
				2013/12/4	Sunny	Sandy/loamy	450	1,100	1,550	0.18	Sandy	420	990	1,410	0.19	
8	Niidagawa River	Kusano	Iitatemura Village	2013/10/15	Cloudy	Loamy	1,700	3,900	5,600	1.18	Loamy	4,600	11,000	15,600	1.48	
				2013/12/2	Sunny	Sandy/loamy	2,000	4,900	6,900	1.40	Sandy/loamy	1,600	3,900	5,500	2.26	
9	Niidagawa River	Komiya	Iitatemura Village	2013/10/15	Cloudy	Loamy	4,700	11,000	15,700	2.30	Loamy	3,000	6,800	9,800	3.02	
				2013/12/2	Sunny	Loamy	2,200	5,500	7,700	2.45	Loamy	2,600	6,300	8,900	3.18	
10	Niidagawa River	Kidouchibashi Bridge	Iitatemura Village	2013/10/15	Cloudy	Loamy	2,000	4,700	6,700	0.61	Loamy	3,000	6,600	9,600	0.84	
				2013/12/2	Sunny	Sandy/loamy	2,300	5,400	7,700	0.73	Loamy	2,700	6,300	9,000	0.88	
11	Niidagawa River	Sakekawabashi Bridge	Iitatemura Village	2013/10/23	Cloudy	Loamy	49	96	145	0.23	Loamy/clay-loamy	760	1,800	2,560	0.32	
				2013/12/2	Sunny	Sandy/loamy	180	450	630	0.14	Loamy	1,100	2,600	3,700	0.55	
12	Otagawa River	Ishiwatabashi Bridge	Minamisomashi City	2013/10/22	Light rain	Loamy	2,400	5,700	8,100	0.17	Loamy	2,200	5,100	7,300	0.92	
				2013/12/4	Cloudy	Loamy	3,500	8,500	12,000	1.03	Sandy	1,600	4,000	5,600	1.64	
13	Otagawa River	Ogurogawa River Estuary	Minamisomashi City	2013/10/22	Light rain	Loamy	1,400	3,200	4,600	0.49	Loamy	570	1,300	1,870	0.38	
				2013/12/4	Sunny	Loamy	1,100	2,700	3,800	0.73	Loamy	750	1,900	2,650	0.53	
14	Otagawa River	Masudabashi Bridge	Minamisomashi City	2013/10/22	Light rain	Loamy	46	120	166	0.14	Loamy	650	1,600	2,250	0.24	
				2013/12/4	Sunny	Sandy/loamy	120	290	410	0.20	Loamy	420	1,100	1,520	0.27	
15	Otagawa River	JR Tetsudobashi Bridge	Minamisomashi City	2013/10/22	Light rain	Loamy	970	2,300	3,270	0.23	Loamy	520	1,200	1,720	0.18	
				2013/12/5	Sunny	Loamy	530	1,300	1,830	0.30	Loamy	260	600	860	0.28	
16	Otagawa River	Maruyamabashi Bridge	Minamisomashi City	2013/10/28	Sunny	Loamy	52	150	202	0.11	Loamy	91	220	311	0.09	
				2013/12/5	Sunny	Sandy	410	930	1,340	0.14	Sandy/loamy	94	200	294	0.11	
17	Odakagawa River	Shimokawarabashi Bridge	Minamisomashi City	2013/10/23	Light rain	Loamy	1,500	3,500	5,000	0.53	Loamy	1,200	2,900	4,100	0.48	
				2013/12/5	Sunny	Sandy	2,700	6,700	9,400	1.30	Loamy/clay-loamy	1,000	2,500	3,500	0.67	
18	Odakagawa River	Zenchobashi Bridge	Minamisomashi City	2013/10/23	Cloudy	Loamy	310	780	1,090	0.27	Loamy	940	2,400	3,340	0.36	
				2013/12/5	Sunny	Loamy	460	1,100	1,560	0.26	Loamy	630	1,500	2,130	0.40	
19	Odakagawa River	Hatsukarabashi Bridge	Minamisomashi City	2013/10/28	Sunny	Sandy	10	26	36	0.06	Sandy	30	63	93	0.08	
				2013/12/5	Sunny	Sandy	14	30	44	0.07	Sandy	89	230	319	0.09	
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2013/10/5	Light rain	Loamy	59,000	140,000	199,000	5.94	Loamy	45,000	110,000	155,000	6.18	
				2013/11/1	Sunny	Loamy	57,000	130,000	187,000	6.09	Loamy	18,000	42,000	60,000	5.80	
21	Ukedogawa River	Ukedobashi Bridge	Namiemachi Town	2013/12/6	Sunny	Loamy	20,000	51,000	71,000	6.08	Loamy	16,000	39,000	55,000	5.59	
				2013/10/1	Cloudy	Loamy	560	1,300	1,860	0.72	Loamy	2,300	5,100	7,400	0.49	
22	Ogurogawa River	Before the confluence with Takasegawa River (Miyakojimachi Town farmichishitadaira)	Tamurashi City	2013/11/1	Sunny	Loamy	650	1,500	2,150	0.75	Loamy	410	910	1,320	0.56	
				2013/12/6	Sunny	Loamy	1,600	3,900	5,500	0.78	Sandy/loamy	270	740	1,010	0.57	
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2013/10/5	Light rain	Loamy	1,800	4,300	6,100	0.54	Clay-loamy	110	230	340	0.28	
				2013/12/10	Cloudy	Loamy	760	1,900	2,660	0.41	Loamy	910	2,100	3,010	0.40	
24	Maedagawa River	Ogurogawa River Estuary	Futabamachi Town	2013/10/1	Sunny	Loamy	1,400	3,300	4,700	0.92	Loamy	1,000	2,400	3,400	0.67	
				2013/12/6	Sunny	Loamy	1,200	2,900	4,100	0.86	Loamy	1,300	2,900	4,200	0.73	
25	Maedagawa River	Nakahamabashi Bridge	Namiemachi Town	2013/10/1	Sunny	Loamy	17,000	43,000	60,000	6.06	Loamy	19,000	47,000	66,000	7.19	
				2013/12/6	Cloudy	Loamy	25,000	66,000	91,000	5.75	Sandy/loamy	16,000	42,000	58,000	6.82	
26	Kumagawa River	National Route 6, west	Okumamachi Town	2013/10/1	Light rain	Sandy	3,600	8,100	11,700	1.53	Loamy	670	1,600	2,270	0.53	
				2013/12/6	Sunny	Sandy	5,000	12,000	17,000	1.54	Sandy/loamy	920	2,300	3,220	0.57	
27	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2013/10/3	Cloudy	Loamy	7,500	17,000	24,500	2.59	Clay-loamy	10,000	23,000	33,000	3.23	
				2013/12/12	Sunny	Loamy	11,000	26,000	37,000	2.79	Loamy	9,500	23,000	32,500	2.50	
27	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2013/10/3	Cloudy	Loamy	9,000	20,000	29,000	7.07	Sandy	27,000	59,000	86,000	9.88	
				2013/12/12	Sunny	Loamy	4,600	11,000	15,600	7.72	Sandy/loamy	27,000	66,000	93,000	7.73	

Sampling point				Sampling date	Weather	Left bank					Right bank					Remarks
No.	Water body	Point	Municipality			Property	Concentration of radioactive material [Bq/kg (dry)]				Property	Concentration of radioactive material [Bq/kg (dry)]				
							Radioactive cesium			Air dose ( $\mu$ Sv/h)		Radioactive cesium			Air dose ( $\mu$ Sv/h)	
							Cs-134	Cs-137	Total			Cs-134	Cs-137	Total		
28		Nabekurabashi Bridge	Kawauchimura Village	2013/10/3	Sunny	Loamy	1,300	2,800	4,100	0.36	Loamy	1,000	2,400	3,400	0.45	
		2013/12/13		Sunny	Loamy	1,400	3,400	4,800	0.40	Loamy	1,600	3,700	5,300	0.49		
29	Tomiokagawa River	Sakaigawabashi Bridge		2013/10/3	Sunny	Loamy	7,000	15,000	22,000	3.03	Loamy	11,000	25,000	36,000	3.18	
				2013/12/13	Sunny	Loamy	7,500	18,000	25,500	2.42	Loamy	20,000	48,000	68,000	3.84	
30		National Route 6, west	Tomiokamachi Town	2013/10/4	Cloudy	Loamy	16,000	36,000	52,000	3.74	Loamy	3,200	7,400	10,600	3.48	
				2013/12/11	Sunny	Loamy	8,400	20,000	28,400	3.82	Sandy	6,700	16,000	22,700	3.01	
31		Kobamabashi Bridge		2013/10/4	Cloudy	Loamy	1,800	4,100	5,900	1.60	Loamy	1,600	3,600	5,200	0.87	
				2013/12/11	Sunny	Loamy	3,800	9,100	12,900	1.65	Sandy	1,200	2,900	4,100	1.01	
32	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2013/10/4	Cloudy	Loamy	4,700	11,000	15,700	0.74	Clay-loamy	850	2,100	2,950	0.58	
				2013/12/11	Sunny	Loamy	5,300	13,000	18,300	0.70	Loamy	2,300	5,500	7,800	0.65	
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatabashi Bridge)	Kawauchimura Village	2013/10/3	Cloudy	Loamy	900	2,100	3,000	0.56	Sandy	100	230	330	0.31	
				2013/12/13	Sunny	Loamy	740	1,800	2,540	0.58	Sandy	190	420	610	0.35	
34		Nishiyamabashi Bridge		2013/10/3	Cloudy	Loamy	440	1,000	1,440	0.25	Loamy	830	1,800	2,630	0.40	
				2013/12/13	Sunny	Loamy	1,100	2,700	3,800	0.26	Loamy	740	1,800	2,540	0.35	
35	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2013/10/4	Cloudy	Loamy	2,000	4,500	6,500	0.63	Loamy	2,100	4,700	6,800	0.38	
				2013/12/11	Cloudy	Loamy	1,600	3,800	5,400	0.60	Loamy	680	1,700	2,380	0.37	
36		Kidokawabashi Bridge		2013/10/4	Cloudy	Loamy	760	1,600	2,360	0.54	Loamy	1,200	2,700	3,900	0.41	
				2013/12/11	Cloudy	Loamy	760	1,800	2,560	0.46	Loamy	960	2,300	3,260	0.44	
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2013/10/5	Cloudy	Sandy	520	1,200	1,720	0.35	Sandy	1,200	2,800	4,000	0.44	
				2013/12/8	Sunny	Sandy	630	1,500	2,130	0.37	Sandy	1,300	3,100	4,400	0.44	
38	Ohisagawa River	Kageisobashi Bridge		2013/10/7	Sunny	-	-	-	-	0.19	Sandy	320	700	1,020	0.17	(Left bank) Soil not exposed
				2013/12/12	Sunny	-	-	-	-	-	-	0.15	Sandy	370	880	1,250
39	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2013/10/7	Sunny	Sandy	1,400	3,100	4,500	0.30	Sandy	860	1,900	2,760	0.27	
				2013/12/8	Sunny	Sandy	760	1,800	2,560	0.28	Sandy	1,700	3,900	5,600	0.28	
40	Niidagawa River	Kasumidabashi Bridge		2013/10/6	Cloudy	Sandy	780	1,800	2,580	0.14	Sandy	570	1,200	1,770	0.19	
				2013/12/7	Cloudy	Sandy	530	1,300	1,830	0.14	Sandy	810	1,800	2,610	0.19	
41		Matsubabashi Bridge		2013/10/6	Cloudy	Sandy	370	820	1,190	0.18	Loamy	360	790	1,150	0.23	
				2013/12/7	Cloudy	Sandy	870	2,100	2,970	0.18	Loamy	370	830	1,200	0.24	
42		Kitanouchibashi Bridge	Onomachi Town	2013/10/9	Sunny	Sandy	150	330	480	0.12	Sandy	250	520	770	0.14	
				2013/12/11	Cloudy	Sandy	100	280	380	0.12	Sandy	300	710	1,010	0.13	
43	Natsuigawa River	Kyudayubashi Bridge		2013/10/5	Cloudy	Sandy	260	600	860	0.18	Sandy	250	580	830	0.18	
				2013/12/5	Sunny	Sandy	210	490	700	0.19	Sandy	220	540	760	0.18	
44		Rokujumabashi Bridge		2013/10/6	Cloudy	Sandy	620	1,400	2,020	0.24	Sandy	760	1,700	2,460	0.26	
				2013/12/7	Sunny	Sandy	530	1,300	1,830	0.25	Sandy	960	2,300	3,260	0.25	
45	Yoshimagawa River	Iwaanatsuribashi Bridge		2013/10/5	Cloudy	Sandy	590	1,300	1,890	0.16	Sandy	900	1,900	2,800	0.16	
				2013/12/11	Cloudy	Sandy	700	1,700	2,400	0.16	Sandy	460	1,100	1,560	0.13	
46		Before the confluence with Natsuigawa River		2013/10/9	Sunny	Sandy	120	270	390	0.12	Sandy	170	370	540	0.13	
				2013/12/7	Cloudy	Sandy	250	550	800	0.12	Sandy	230	520	750	0.13	
47	Fujiwaragawa River	Shimabashi Bridge		2013/10/3	Sunny	Loamy	140	340	480	0.07	Sandy	230	550	780	0.09	
				2013/12/3	Cloudy	Sandy	61	130	191	0.11	Sandy	130	320	450	0.09	
48		Minatoohashi Bridge	Iwakishi City	2013/10/3	Sunny	Sandy	170	370	540	0.09	Sandy	780	1,800	2,580	0.16	
				2013/12/3	Cloudy	Sandy	250	550	800	0.07	Sandy	440	1,100	1,540	0.14	
49	Samegawa River	Idosawabashi Bridge		2013/10/8	Sunny	Sandy	2,900	6,700	9,600	0.20	-	-	-	-	0.11	(Right bank) Soil not exposed
				2013/12/4	Cloudy	Sandy	1,700	4,000	5,700	0.19	-	-	-	-	0.13	(Right bank) Soil not exposed
50		Samegawabashi Bridge		2013/10/7	Sunny	Sandy	190	380	570	0.10	Sandy	110	260	370	0.10	
				2013/12/4	Cloudy	Sandy	190	430	620	0.09	Sandy	120	280	400	0.10	
51	Shitokigawa River	Komurobashi Bridge		2013/10/4	Cloudy	Sandy	440	1,000	1,440	0.14	Sandy	52	130	182	0.14	
				2013/12/6	Sunny	Sandy	540	1,300	1,840	0.15	Sandy	32	94	126	0.14	
52	Bindagawa River	Kobanabashi Bridge		2013/10/4	Cloudy	Sandy	720	1,600	2,320	0.20	Sandy	230	500	730	0.13	
				2013/12/6	Sunny	Sandy	610	1,500	2,110	0.21	Sandy	230	570	800	0.14	
53		Bindabashi Bridge		2013/10/4	Cloudy	Sandy	240	540	780	0.09	Sandy	500	1,000	1,500	0.15	
				2013/12/6	Sunny	Sandy	270	610	880	0.09	Sandy	400	1,000	1,400	0.14	

• 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.

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

• 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 (Fukushima Prefecture, Nakadori Area): Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Water body	Point	Municipality				Sampling depth (m)	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium		
													Cs-137	
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2013/10/1	Cloudy	0.5	0.0	>100	12	2	1	<1	<1	
				2013/12/2	Cloudy	0.4	0.0	>100	12	<1	1	<1	<1	
55		Tamachiohashi Bridge	Shirakawashi City	2013/10/1	Sunny	0.5	0.0	>100	12	4	1	<1	<1	
				2013/12/2	Cloudy	0.5	0.0	>100	12	1	1	<1	<1	
56	Yantagawa River	Before the confluence with Abukumagawa River		2013/10/1	Sunny	1.0	0.0	>100	33	2	1	<1	<1	
				2013/12/2	Cloudy	0.5	0.0	>100	43	1	1	<1	<1	
57	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2013/10/2	Cloudy	0.5	0.0	>100	12	2	1	<1	<1	
				2013/12/3	Sunny	0.2	0.0	>100	11	<1	1	<1	<1	
58	Kitasugawa River	Yanagibashi Bridge	Hiratomura Village	2013/10/3	Cloudy	0.3	0.0	>100	12	2	1	<1	<1	
				2013/12/4	Cloudy	0.3	0.0	>100	12	1	1	<1	<1	
59	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2013/10/2	Cloudy	0.5	0.0	56	11	6	5	<1	<1	
				2013/12/3	Sunny	0.5	0.0	>100	12	2	2	<1	<1	
60	Yashirogawa River	Ojibashi Bridge		2013/10/2	Cloudy	0.7	0.0	>100	11	4	3	<1	<1	
				2013/12/3	Sunny	0.3	0.0	>100	13	1	1	<1	<1	
61	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2013/10/1	Sunny	1.0	0.0	>100	15	2	2	<1	<1	
				2013/12/4	Cloudy	0.6	0.0	95	15	1	1	<1	<1	
62		Emochibashi Bridge		2013/10/3	Sunny	0.7	0.0	>100	15	4	1	<1	<1	
				2013/12/4	Sunny	0.1	0.0	99	16	2	2	<1	<1	
63	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2013/10/3	Sunny	0.3	0.0	>100	14	2	1	<1	<1	
				2013/12/4	Sunny	0.2	0.0	>100	14	2	1	<1	<1	
64		Before the confluence with Abukumagawa River		2013/10/3	Cloudy	0.7	0.0	>100	15	2	1	<1	<1	
				2013/12/4	Sunny	0.5	0.0	>100	15	2	1	<1	<1	
65	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2013/10/3	Cloudy	0.3	0.0	>100	19	8	3	<1	<1	
				2013/12/5	Sunny	0.4	0.0	95	17	2	2	<1	<1	
66	Yatagawa River	Ogurogawa River Estuary		2013/10/3	Cloudy	0.3	0.0	>100	20	4	1	<1	<1	
				2013/12/5	Sunny	0.3	0.0	>100	19	1	1	<1	<1	
67	Otakinegawa River	Funehikibashi Bridge	Tamura City	2013/10/9	Sunny	0.3	0.0	>100	14	1	1	<1	<1	
				2013/12/6	Sunny	0.4	0.0	96	13	2	1	<1	<1	
68		Before the confluence with Abukumagawa River		2013/10/4	Cloudy	0.3	0.0	>100	17	4	2	<1	<1	
				2013/12/5	Sunny	0.6	0.0	>100	20	2	1	<1	<1	
69	Ousegawa River	Before the confluence with Babagawa River		2013/10/9	Sunny	0.4	0.0	>100	33	2	1	<1	<1	
				2013/12/6	Sunny	0.3	0.0	>100	24	<1	1	<1	<1	
70		Makunouchibashi Bridge	Koriyamashi City	2013/10/9	Sunny	1.5	0.0	>100	38	4	2	<1	<1	
				2013/12/5	Sunny	0.3	0.0	95	35	4	3	<1	<1	
71		Before the confluence with Abukumagawa River		2013/10/4	Cloudy	0.3	0.0	>100	36	5	3	<1	<1	
				2013/12/5	Sunny	0.3	0.0	70	34	6	4	<1	<1	
72	Abukumagawa River	Akutsubashi Bridge		2013/10/4	Cloudy	0.5	0.0	86	21	4	5	<1	<1	
				2013/12/5	Sunny	0.1	0.0	87	22	2	2	<1	<1	
73		After the confluence with Ishimurogawa River		2013/10/4	Cloudy	0.5	0.0	>100	8	<1	1	<1	<1	
				2013/12/6	Sunny	0.3	0.0	>100	8	<1	1	<1	<1	
74	Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2013/10/8	Sunny	0.4	0.0	>100	12	16	3	<1	<1	
				2013/12/6	Sunny	0.3	0.0	90	11	1	1	<1	<1	
75		Before the confluence with Abukumagawa River		2013/10/8	Sunny	0.5	0.0	>100	17	1	1	<1	<1	
				2013/12/6	Sunny	0.2	0.0	>100	16	1	1	<1	<1	

Sampling point				Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Water body	Point	Municipality				Sampling depth (m)	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium		
													Cs-137	
76	Ogurogawa River	Takadabashi Bridge		2013/10/8	Sunny	1.0	0.0	>100	18	2	2	<1	<1	
				2013/12/9	Sunny	0.6	0.0	>100	20	1	1	<1	<1	
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2013/10/8	Sunny	0.7	0.0	>100	11	2	1	<1	<1	
				2013/12/9	Sunny	0.6	0.0	>100	17	<1	1	<1	<1	
78	Utsushigawa River	Ogurogawa River Estuary		2013/10/8	Sunny	0.5	0.0	59	15	4	3	<1	<1	
				2013/12/9	Sunny	0.3	0.0	>100	15	2	2	<1	<1	
79	Mizuharagawa River	Getouchibashi Bridge		2013/10/8	Sunny	0.3	0.0	>100	10	<1	1	<1	<1	
				2013/12/9	Sunny	0.2	0.0	>100	7	2	1	<1	<1	
80	Megamigawa River	Tsurumakibashi Bridge		2013/10/8	Sunny	0.1	0.0	>100	25	2	2	<1	<1	
				2013/12/9	Sunny	0.4	0.0	>100	23	<1	1	<1	<1	
81	Abukumagawa River	Horaibashi Bridge		2013/10/11	Cloudy	0.5	0.0	>100	18	2	2	<1	<1	
				2013/12/10	Sunny	0.7	0.0	>100	19	2	1	<1	<1	
82	Nigorigawa River	Before the confluence with Omorigawa River		2013/10/11	Cloudy	0.3	0.0	73	24	6	5	<1	<1	
				2013/12/10	Cloudy	0.3	0.0	37	24	5	7	<1	<1	
83	Arakawa River	Hinokurabashi Bridge		2013/10/10	Sunny	0.3	0.0	>100	26	1	2	<1	<1	
				2013/12/10	Cloudy	0.4	0.0	>100	27	2	1	<1	<1	
84	Sukawa River	Sukawabashi Bridge	Fukushimashi City	2013/10/10	Sunny	0.4	0.0	>100	59	<1	0	<1	<1	
				2013/12/10	Cloudy	0.5	0.0	>100	61	<1	0	<1	<1	
85	Arakawa River	Before the confluence with Abukumagawa River		2013/10/17	Sunny	0.3	0.0	63	30	8	4	<1	<1	
				2013/12/10	Light rain	0.2	0.0	40	29	10	4	<1	<1	
86	Matsukawa River			2013/10/7	Sunny	0.3	0.0	>100	20	<1	0	<1	<1	
				2013/12/10	Cloudy	0.6	0.0	85	19	4	2	<1	<1	
87	Hattandagawa River	Hattandabashi Bridge		2013/10/7	Sunny	0.3	0.0	>100	21	2	3	<1	<1	
				2013/12/11	Sunny	0.4	0.0	34	14	14	6	<1	<1	
88	Surikamigawa River	Totsunabashi Bridge		2013/10/7	Sunny	0.7	0.0	>100	6	2	1	<1	<1	
				2013/12/13	Cloudy	0.6	0.0	>100	6	2	1	<1	<1	
89		Before the confluence with Abukumagawa River		2013/10/7	Sunny	0.3	0.0	>100	7	2	1	<1	<1	
				2013/12/11	Sunny	0.2	0.0	>100	7	1	1	<1	<1	
90	Abukumagawa River	Taishobashi Bridge	Dateshi City	2013/10/7	Sunny	0.5	0.0	>100	18	3	2	<1	<1	
				2013/12/13	Sunny	0.6	0.0	96	18	3	2	<1	<1	
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2013/10/10	Sunny	0.2	0.0	>100	11	2	2	<1	<1	
				2013/12/9	Sunny	0.3	0.0	>100	11	<1	1	<1	<1	
92		Jizogawarabashi Bridge		2013/10/10	Sunny	0.5	0.0	>100	15	1	1	<1	<1	
				2013/12/13	Sunny	0.3	0.0	>100	13	2	1	<1	<1	
93	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2013/10/7	Sunny	0.2	0.0	>100	23	2	2	<1	<1	
				2013/12/13	Sunny	0.3	0.0	>100	23	1	1	<1	<1	
94	Hirosegawa River	Before the confluence with Abukumagawa River		2013/10/7	Sunny	0.2	0.0	>100	17	1	2	<1	<1	
				2013/12/13	Sunny	0.2	0.0	>100	16	2	1	<1	<1	
95	Kurokawa River	Tochigisakai	Shirakawashi City	2013/10/1	Light rain	0.3	0.0	>100	8	2	1	<1	<1	
				2013/12/2	Cloudy	0.5	0.0	>100	8	<1	1	<1	<1	
96	Kujigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2013/10/2	Light rain	0.3	0.0	>100	11	<1	1	<1	<1	
				2013/12/3	Cloudy	0.2	0.0	>100	14	<1	1	<1	<1	
97		Takachiharabashi Bridge	Yamatsurimachi Town	2013/10/2	Cloudy	1.0	0.0	>100	10	<1	1	<1	<1	
				2013/12/3	Cloudy	0.5	0.0	>100	10	<1	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.

○River (Fukushima Prefecture, Nakadori Area) : Sediment Monitoring Results

Sampling point				Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks
No.	Water body	Point	Municipality				Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium			
										Cs-134	Cs-137		
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2013/10/1	Cloudy	0.5	5	81	Sand/gravel	<10	14	14	
					2013/12/2	Cloudy	0.4	5	81	Sand/silt	18	35	53
55		Tamachiohashi Bridge	Shirakawashi City	2013/10/1	Sunny	0.5	5	77	Sand/gravel	14	25	39	
						2013/12/2	Cloudy	0.5	5	84	Sand	11	22
56	Yantagawa River	Before the confluence with Abukumagawa River		2013/10/1	Sunny	1.0	6	78	Sand	120	260	380	
						2013/12/2	Cloudy	0.5	5	83	Sand	62	150
57	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2013/10/2	Cloudy	0.5	5	81	Sand/gravel	41	94	135	
						2013/12/3	Sunny	0.2	5	83	Sand	17	49
58	Kitasugawa River	Yanagibashi Bridge	Hiratomura Village	2013/10/3	Cloudy	0.3	5	76	Sand	11	29	40	
						2013/12/4	Cloudy	0.3	5	80	Sand	<10	11
59	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2013/10/2	Cloudy	0.5	5	75	Sand/silt	49	130	179	
						2013/12/3	Sunny	0.5	5	82	Sand	<10	15
60	Yashirogawa River	Ojibashi Bridge		2013/10/2	Cloudy	0.7	5	75	Sand	39	88	127	
						2013/12/3	Sunny	0.3	3	82	Sand	22	42
61	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2013/10/1	Sunny	1.0	5	78	Sand	16	34	50	
						2013/12/4	Cloudy	0.6	3	75	Sand	16	56
62		Emochibashi Bridge		2013/10/3	Sunny	0.7	5	82	Sand/gravel	12	23	35	
						2013/12/4	Sunny	0.1	5	83	Sand	<10	13
63	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2013/10/3	Sunny	0.3	5	81	Sand/gravel	13	34	47	
						2013/12/4	Sunny	0.2	5	84	Sand	20	43
64		Before the confluence with Abukumagawa River		2013/10/3	Cloudy	0.7	5	81	Sand/gravel	18	40	58	
						2013/12/4	Sunny	0.5	5	84	Sand/silt	<10	18
65	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2013/10/3	Cloudy	0.3	5	81	Sand/gravel	30	76	106	
						2013/12/5	Sunny	0.4	5	79	Sand	31	83
66	Yatagawa River	Ogurogawa River Estuary		2013/10/3	Cloudy	0.3	5	76	Sand/gravel	17	49	66	
						2013/12/5	Sunny	0.3	3	79	Sand	12	27
67	Otakinegawa River	Funehikibashi Bridge	Tamurashi City	2013/10/9	Sunny	0.3	5	81	Sand/gravel	25	44	69	
						2013/12/6	Sunny	0.4	5	72	Sand	35	75
68		Before the confluence with Abukumagawa River		2013/10/4	Cloudy	0.3	5	78	Sand/gravel	20	53	73	
						2013/12/5	Sunny	0.6	5	79	Sand	22	44
69		Before the confluence with Babagawa River		2013/10/9	Sunny	0.4	5	82	Gravel/sand	15	35	50	
						2013/12/6	Sunny	0.3	3	80	Sand	13	43
70	Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2013/10/9	Sunny	1.5	5	80	Sand	88	210	298	
						2013/12/5	Sunny	0.3	3	81	Sand	44	130
71		Before the confluence with Abukumagawa River		2013/10/4	Cloudy	0.3	5	79	Gravel/sand	34	95	129	
						2013/12/5	Sunny	0.3	5	78	Sand	54	140
72	Abukumagawa River	Akutsubashi Bridge		2013/10/4	Cloudy	0.5	5	88	Sand/gravel	32	81	113	
						2013/12/5	Sunny	0.1	3	82	Sand	35	79
73		After the confluence with Ishimurogawa River		2013/10/4	Cloudy	0.5	5	82	Sand/gravel	<10	21	21	
						2013/12/6	Sunny	0.3	5	82	Sand	12	28
74	Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2013/10/8	Sunny	0.4	5	66	Sand/silt	260	550	810	
						2013/12/6	Sunny	0.3	3	82	Sand/silt	38	96
75		Before the confluence with Abukumagawa River		2013/10/8	Sunny	0.5	5	80	Sand/gravel	14	35	49	
						2013/12/6	Sunny	0.2	3	82	Sand	15	36

Sampling point				Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks
No.	Water body	Point	Municipality				Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium			
										Cs-134	Cs-137		
76	Ogurogawa River	Takadabashi Bridge		2013/10/8	Sunny	1.0	5	72	Sand	110	270	380	
				2013/12/9	Sunny	0.6	6	73	Sand	120	280	400	
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2013/10/8	Sunny	0.7	5	72	Sand	270	630	900	
				2013/12/9	Sunny	0.6	5	73	Sand	260	620	880	
78	Utsushigawa River	Ogurogawa River Estuary		2013/10/8	Sunny	0.5	5	75	Sand	69	160	229	
				2013/12/9	Sunny	0.3	7	77	Sand	74	170	244	
79	Mizuharagawa River	Getouchibashi Bridge		2013/10/8	Sunny	0.3	5	74	Sand/gravel	92	210	302	
				2013/12/9	Sunny	0.2	7	70	Sand/gravel	91	230	321	
80	Megamigawa River	Tsurumakibashi Bridge		2013/10/8	Sunny	0.1	5	81	Gravel/sand	110	300	410	
				2013/12/9	Sunny	0.4	8	77	Sand/gravel	140	300	440	
81	Abukumagawa River	Horaibashi Bridge		2013/10/11	Cloudy	0.5	5	76	Sand	88	230	318	
				2013/12/10	Sunny	0.7	10	71	Sand	110	280	390	
82	Nigorigawa River	Before the confluence with Omorigawa River		2013/10/11	Cloudy	0.3	5	74	Sand	230	510	740	
				2013/12/10	Cloudy	0.3	6	76	Sand/gravel	190	420	610	
83	Arakawa River	Hinokurabashi Bridge		2013/10/10	Sunny	0.3	5	90	Gravel/sand	<10	22	22	
				2013/12/10	Cloudy	0.4	5	79	Sand/gravel	11	18	29	
84	Sukawa River	Sukawabashi Bridge	Fukushimashi City	2013/10/10	Sunny	0.4	5	76	Gravel/sand	13	31	44	
				2013/12/10	Cloudy	0.5	8	77	Sand/gravel	27	72	99	
85	Arakawa River	Before the confluence with Abukumagawa River		2013/10/17	Sunny	0.3	3	74	Sand/gravel	34	88	122	
				2013/12/10	Light rain	0.2	8	72	Sand/gravel	48	95	143	
86	Matsukawa River			2013/10/7	Sunny	0.3	5	80	Gravel/sand	39	90	129	
				2013/12/10	Cloudy	0.6	10	74	Sand/gravel	44	93	137	
87	Hattandagawa River	Hattandabashi Bridge		2013/10/7	Sunny	0.3	5	87	Gravel	170	400	570	
				2013/12/11	Sunny	0.4	9	77	Sand/gravel	460	1,100	1,560	
88	Surikamigawa River	Totsunabashi Bridge		2013/10/7	Sunny	0.7	5	78	Sand	56	120	176	
				2013/12/13	Cloudy	0.6	8	62	Sand/silt	1,000	2,500	3,500	
89		Before the confluence with Abukumagawa River		2013/10/7	Sunny	0.3	5	78	Sand/gravel	25	51	76	
				2013/12/11	Sunny	0.2	10	77	Sand/gravel	21	45	66	
90	Abukumagawa River	Taishobashi Bridge	Dateshi City	2013/10/7	Sunny	0.5	5	86	Gravel/sand	80	200	280	
				2013/12/13	Sunny	0.6	10	83	Sand/gravel	28	70	98	
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2013/10/10	Sunny	0.2	5	76	Sand/gravel	110	260	370	
				2013/12/9	Sunny	0.3	8	76	Sand	90	210	300	
92		Jizogawarabashi Bridge		2013/10/10	Sunny	0.5	5	94	Gravel	89	200	289	
				2013/12/13	Sunny	0.3	6	80	Sand/gravel	57	140	197	
93	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2013/10/7	Sunny	0.2	5	78	Sand/gravel	490	1,100	1,590	
				2013/12/13	Sunny	0.3	5	73	Sand/silt	380	930	1,310	
94	Hirosegawa River	Before the confluence with Abukumagawa River		2013/10/7	Sunny	0.2	5	82	Gravel/sand	110	250	360	
				2013/12/13	Sunny	0.2	6	78	Sand	130	360	490	
95	Kurokawa River	Tochigisakai	Shirakawashi City	2013/10/1	Light rain	0.3	5	85	Gravel/sand	16	48	64	
				2013/12/2	Cloudy	0.5	5	84	Sand/silt	30	97	127	
96	Kujigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2013/10/2	Light rain	0.3	5	83	Gravel/sand	<10	12	12	
				2013/12/3	Cloudy	0.2	5	87	Sand	<10	12	12	
97		Takachiharabashi Bridge	Yamatsurimachi Town	2013/10/2	Cloudy	1.0	5	79	Sand	<10	10	10	
				2013/12/3	Cloudy	0.5	5	79	Sand	<10	15	15	

• 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 (Fukushima Prefecture, Nakadori Area): Surrounding Environment Monitoring Results

Sampling point				Sampling date	Weather	Left bank					Right bank					Remarks
No.	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		
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2013/10/1	Cloudy	Loamy	2,000	4,500	6,500	0.24	Loamy	810	1,800	2,610	0.45	
				2013/12/2	Cloudy	Sandy	1,800	4,400	6,200	0.34	Loamy	950	2,400	3,350	0.42	
55	Abukumagawa River	Tamachiohashi Bridge	Shirakawashi City	2013/10/1	Sunny	Loamy	2,100	4,600	6,700	0.30	Loamy	760	1,700	2,460	0.29	
					2013/12/2	Cloudy	Loamy	670	1,600	2,270	0.31	Loamy	2,500	5,900	8,400	0.30
56	Yantagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2013/10/1	Sunny	Loamy	1,900	4,300	6,200	0.33	Loamy	1,300	2,900	4,200	0.17	
					2013/12/2	Cloudy	Loamy	1,200	2,700	3,900	0.40	Loamy	1,000	2,400	3,400	0.30
57	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2013/10/2	Cloudy	Loamy	77	190	267	0.12	Loamy	270	610	880	0.11	
					2013/12/3	Sunny	Loamy	140	310	450	0.18	Loamy	240	550	790	0.20
58	Kitasugawa River	Yanagibashi Bridge	Hiratomura Village	2013/10/3	Cloudy	Sandy	50	110	160	0.11	Loamy	66	150	216	0.10	
					2013/12/4	Cloudy	Sandy	39	92	131	0.11	Loamy	91	240	331	0.13
59	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2013/10/2	Cloudy	Loamy	110	260	370	0.08	Loamy	210	450	660	0.08	
					2013/12/3	Sunny	Loamy	110	260	370	0.14	Loamy	52	130	182	0.12
60	Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	2013/10/2	Cloudy	Loamy	47	120	167	0.05	Loamy	490	1,100	1,590	0.11	
					2013/12/3	Sunny	Loamy	38	110	148	0.10	Loamy	240	550	790	0.11
61	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2013/10/1	Sunny	Loamy	550	1,300	1,850	0.09	Sandy	210	470	680	0.12	
					2013/12/4	Cloudy	Loamy	94	250	344	0.12	Sandy	310	710	1,020	0.13
62	Abukumagawa River	Emochibashi Bridge	Tamakawamura Village	2013/10/3	Sunny	Loamy	410	960	1,370	0.15	Loamy	550	1,300	1,850	0.18	
					2013/12/4	Sunny	Loamy	570	1,400	1,970	0.25	Loamy	740	1,700	2,440	0.23
63	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2013/10/3	Sunny	Loamy	190	460	650	0.13	Loamy	670	1,500	2,170	0.14	
					2013/12/4	Sunny	Sandy	150	360	510	0.16	Sandy	400	1,000	1,400	0.21
64	Shakadogawa River	Before the confluence with Abukumagawa River	Sukagawashi City	2013/10/3	Cloudy	Loamy	770	1,700	2,470	0.18	Loamy	410	980	1,390	0.14	
					2013/12/4	Sunny	Sandy	220	550	770	0.23	Loamy	350	850	1,200	0.23
65	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2013/10/3	Cloudy	Loamy	1,100	2,700	3,800	0.46	Loamy	1,100	2,400	3,500	0.36	
					2013/12/5	Sunny	Loamy	650	1,600	2,250	0.54	Loamy	1,200	2,900	4,100	0.41
66	Yatagawa River	Ogurogawa River Estuary	Koriyamashi City	2013/10/3	Cloudy	Loamy	680	1,400	2,080	0.30	Loamy	450	1,100	1,550	0.32	
					2013/12/5	Sunny	Loamy	340	760	1,100	0.29	Loamy/clay-loamy	220	500	720	0.34
67	Otakinegawa River	Funehikibashi Bridge	Tamurashi City	2013/10/9	Sunny	Loamy	170	370	540	0.12	Loamy	470	1,100	1,570	0.16	
					2013/12/6	Sunny	Loamy	350	790	1,140	0.12	Loamy	510	1,200	1,710	0.17
68	Otakinegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2013/10/4	Cloudy	Loamy	810	1,900	2,710	0.23	Loamy	540	1,100	1,640	0.30	
					2013/12/5	Sunny	Loamy	360	890	1,250	0.31	Loamy	330	860	1,190	0.33
69	Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2013/10/9	Sunny	Loamy	1,400	3,200	4,600	0.51	Loamy	2,100	4,800	6,900	0.54	
					2013/12/6	Sunny	Loamy	1,400	3,400	4,800	0.61	Loamy	2,100	5,100	7,200	0.54
70	Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2013/10/9	Sunny	Loamy	1,600	3,800	5,400	0.47	Loamy	530	1,300	1,830	0.44	
					2013/12/5	Sunny	Loamy	1,200	2,700	3,900	0.75	Sandy/loamy	250	620	870	0.55
71	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2013/10/4	Cloudy	Loamy	1,300	3,100	4,400	0.42	Loamy	1,200	2,900	4,100	0.44	
					2013/12/5	Sunny	Loamy	550	1,200	1,750	0.62	Loamy/clay-loamy	950	2,300	3,250	0.88
72	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2013/10/4	Cloudy	Loamy	600	1,300	1,900	0.24	Loamy	530	1,300	1,830	0.32	
					2013/12/5	Sunny	Loamy	320	760	1,080	0.30	Clay-loamy	410	1,000	1,410	0.49
73	Abukumagawa River	After the confluence with Ishimurogawa River	Koriyamashi City	2013/10/4	Cloudy	Loamy	430	850	1,280	0.18	Loamy	1,400	3,100	4,500	0.21	
					2013/12/6	Sunny	Loamy	100	250	350	0.24	Loamy	930	2,200	3,130	0.35
74	Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2013/10/8	Sunny	Loamy	6,000	14,000	20,000	0.57	Loamy	2,200	4,800	7,000	0.56	
					2013/12/6	Sunny	Loamy	1,900	4,500	6,400	0.72	Loamy	2,800	6,600	9,400	0.71
75	Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2013/10/8	Sunny	Loamy	2,700	6,300	9,000	0.90	Loamy	4,300	9,700	14,000	1.02	
					2013/12/6	Sunny	Loamy	2,500	5,900	8,400	1.01	Loamy	6,600	16,000	22,600	1.24

Sampling point				Sampling date	Weather	Left bank				Right bank				Remarks		
No.	Water body	Point	Municipality			Property	Concentration of radioactive material [Bq/kg (dry)]			Air dose ( $\mu$ Sv/h)	Property	Concentration of radioactive material [Bq/kg (dry)]			Air dose ( $\mu$ Sv/h)	
							Radioactive cesium					Radioactive cesium				
							Cs-134	Cs-137	Total			Cs-134	Cs-137			Total
76	Ogurogawa River	Takadabashi Bridge	Nihonmatsushi City	2013/10/8	Sunny	Loamy	370	850	1,220	0.32	Loamy	2,000	4,500	6,500	0.67	
				2013/12/9	Sunny	Sandy/loamy	270	720	990	0.32	Loamy	1,900	4,400	6,300	0.74	
77	Kuchibutogawa River	Kuchibutogawabashi Bridge		2013/10/8	Sunny	Loamy	900	2,000	2,900	0.32	Loamy	920	2,100	3,020	0.27	
				2013/12/9	Sunny	Loamy	320	850	1,170	0.27	Loamy	820	2,000	2,820	0.34	
78	Utsushigawa River	Ogurogawa River Estuary		2013/10/8	Sunny	Loamy	430	990	1,420	0.45	Loamy	1,500	3,500	5,000	0.66	
				2013/12/9	Sunny	Loamy	510	1,300	1,810	0.52	Loamy	1,100	2,700	3,800	0.65	
79	Mizuharagawa River	Getouchibashi Bridge	Fukushima City	2013/10/8	Sunny	Loamy	1,000	2,300	3,300	0.41	Loamy	2,100	4,900	7,000	0.78	
				2013/12/9	Sunny	Sandy	540	1,300	1,840	0.32	Loamy	2,900	7,100	10,000	0.83	
80	Megamigawa River	Tsurumakibashi Bridge		2013/10/8	Sunny	Loamy	1,800	3,800	5,600	0.40	Loamy	1,500	3,300	4,800	0.52	
				2013/12/9	Sunny	Loamy	1,500	3,500	5,000	0.72	Loamy	920	2,200	3,120	0.63	
81	Abukumagawa River	Horaibashi Bridge		2013/10/11	Cloudy	Loamy	590	1,300	1,890	0.20	Loamy	2,900	6,400	9,300	0.81	
				2013/12/10	Sunny	Loamy	420	1,000	1,420	0.19	Loamy	2,900	6,800	9,700	0.60	
82	Nigorigawa River	Before the confluence with Omorigawa River	Fukushima City	2013/10/11	Cloudy	Loamy	6,300	14,000	20,300	0.82	Loamy	2,600	5,900	8,500	0.74	
				2013/12/10	Cloudy	Loamy	4,500	11,000	15,500	0.93	Loamy	1,600	4,000	5,600	0.79	
83	Arakawa River	Hinokurabashi Bridge		2013/10/10	Sunny	Loamy	930	2,100	3,030	0.22	Loamy	6,000	14,000	20,000	0.30	
				2013/12/10	Cloudy	Loamy	940	2,200	3,140	0.36	Loamy	3,300	7,900	11,200	0.34	
84	Sukawa River	Sukawabashi Bridge		2013/10/10	Sunny	Loamy	18,000	41,000	59,000	0.43	Loamy	1,100	2,400	3,500	0.27	
				2013/12/10	Cloudy	Loamy	1,800	4,400	6,200	0.32	Loamy	4,100	9,500	13,600	0.34	
85	Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2013/10/17	Sunny	Loamy	46	99	145	0.17	Loamy	5,200	11,000	16,200	1.14	
				2013/12/10	Light rain	Loamy	720	1,700	2,420	0.52	Loamy	2,300	5,400	7,700	1.28	
86	Matsukawa River			2013/10/7	Sunny	Loamy	5,700	13,000	18,700	1.35	Loamy	2,800	6,400	9,200	0.97	
				2013/12/10	Cloudy	Loamy	4,900	12,000	16,900	1.88	Loamy	1,500	3,600	5,100	1.05	
87	Hattandagawa River	Hattandabashi Bridge		2013/10/7	Sunny	Loamy	1,600	3,500	5,100	0.51	Loamy	1,300	2,900	4,200	0.46	
				2013/12/11	Sunny	Loamy	1,700	3,900	5,600	0.60	Loamy	3,700	8,700	12,400	0.62	
88	Surikamigawa River	Totsunabashi Bridge	Fukushima City	2013/10/7	Sunny	Loamy	2,200	5,100	7,300	0.49	Loamy	1,200	2,800	4,000	0.30	
				2013/12/13	Cloudy	Loamy	1,500	3,700	5,200	0.60	Loamy	1,200	3,100	4,300	0.32	
89		Before the confluence with Abukumagawa River		2013/10/7	Sunny	Loamy	5,300	12,000	17,300	0.41	Loamy	1,500	3,400	4,900	0.71	
				2013/12/11	Sunny	Loamy	3,200	7,700	10,900	0.68	Loamy	1,200	3,000	4,200	0.72	
90	Abukumagawa River	Taishobashi Bridge	Dateshi City	2013/10/7	Sunny	Loamy	880	1,900	2,780	0.23	Loamy	880	1,900	2,780	0.36	
			2013/12/13	Sunny	Loamy	890	2,200	3,090	0.26	Loamy	900	2,200	3,100	0.53		
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2013/10/10	Sunny	Loamy	2,700	5,700	8,400	0.30	Sandy	940	2,100	3,040	0.33	
				2013/12/9	Sunny	Loamy	360	900	1,260	0.45	Sandy	1,100	2,500	3,600	0.65	
92		Jizogawarabashi Bridge	Dateshi City	2013/10/10	Sunny	Loamy	1,400	3,200	4,600	0.61	Loamy	1,700	3,900	5,600	0.46	
				2013/12/13	Sunny	Loamy	720	1,600	2,320	0.66	Loamy	2,100	5,100	7,200	0.55	
93	Ogunigawa River	Before the confluence with Hirosegawa River		2013/10/7	Sunny	Loamy	1,100	2,500	3,600	0.46	Loamy	970	2,100	3,070	0.40	
				2013/12/13	Sunny	Loamy	690	1,700	2,390	0.45	Loamy	660	1,600	2,260	0.51	
94	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2013/10/7	Sunny	Loamy	780	1,900	2,680	0.39	Loamy	830	1,900	2,730	0.32	
				2013/12/13	Sunny	Loamy	1,700	4,200	5,900	0.47	Loamy	700	1,700	2,400	0.41	
95	Kurokawa River	Tochigisakai	Shirakawashi City	2013/10/1	Light rain	Loamy	590	1,400	1,990	0.28	Loamy	930	2,200	3,130	0.25	
			2013/12/2	Cloudy	Loamy	1,100	2,700	3,800	0.38	Loamy	570	1,300	1,870	0.35		
96	Kujigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2013/10/2	Light rain	Loamy	530	1,300	1,830	0.09	Loamy	400	880	1,280	0.12	
			2013/12/3	Cloudy	Loamy	210	510	720	0.17	Loamy	370	860	1,230	0.18		
97		Takachiharabashi Bridge	Yamatsurimachi Town	2013/10/2	Cloudy	Loamy	62	160	222	0.07	Loamy	34	61	95	0.09	
				2013/12/3	Cloudy	Loamy	63	130	193	0.11	Loamy	37	82	119	0.09	

• 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.

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

• 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 (Fukushima Prefecture, Aizu Area): Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Water body	Point	Municipality				Sampling depth (m)	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium		
													Cs-137	
98	Agagawa River	Tajimabashi Bridge	Minamiaizumachi Town	2013/10/9	Cloudy	0.3	0.0	>100	6	<1	0	<1	<1	
				2013/12/3	Cloudy	0.4	0.0	>100	6	<1	1	<1	<1	
99		Okawabashi Bridge		2013/10/9	Cloudy	0.8	0.0	>100	8	2	1	<1	<1	
				2013/12/3	Cloudy	0.4	0.0	>100	7	2	1	<1	<1	
100		Takimibashi Bridge	Aizuwakamatsushi City	2013/10/22	Cloudy	1.0	0.0	65	8	13	8	<1	<1	
				2013/12/24	Cloudy	1.0	0.0	>100	7	2	2	<1	<1	
101	Yukawa River	Shinyukawabashi Bridge		2013/10/22	Cloudy	0.5	0.0	61	9	8	5	<1	<1	
				2013/12/24	Cloudy	0.6	0.0	>100	6	3	2	<1	<1	
102		Before the confluence with Aganogawa River		2013/10/22	Cloudy	0.7	0.0	52	10	12	7	<1	<1	
				2013/12/24	Cloudy	0.6	0.0	>100	7	2	2	<1	<1	
103	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2013/10/22	Cloudy	0.5	0.0	>100	8	5	3	<1	<1	
				2013/12/24	Cloudy	0.5	0.0	>100	6	5	3	<1	<1	
104	Aganogawa River	Miyakobashi Bridge		2013/10/23	Sunny	0.7	0.0	70	6	6	5	<1	<1	
				2013/12/25	Sunny	0.6	0.0	>100	6	<1	1	<1	<1	
105	Nippashigawa River	Minamiohashi Bridge	Kitakatashi City	2013/10/23	Cloudy	0.4	0.0	>100	11	6	3	<1	<1	
				2013/12/25	Sunny	0.4	0.0	>100	8	4	2	<1	<1	
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2013/10/23	Sunny	0.4	0.0	98	17	6	2	<1	<1	
				2013/12/25	Sunny	0.4	0.0	>100	11	5	3	<1	<1	
107	Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2013/10/23	Sunny	0.4	0.0	98	13	8	3	<1	<1	
				2013/12/25	Sunny	0.4	0.0	>100	8	4	2	<1	<1	
108	Tatsukigawa River	Ohashi Bridge		2013/10/24	Cloudy	0.2	0.0	>100	8	<1	0	<1	<1	
				2013/12/26	Cloudy	0.3	0.0	>100	8	<1	1	<1	<1	
109		Shimokawarabashi Bridge	Kitakatashi City	2013/10/24	Cloudy	0.4	0.0	>100	13	2	2	<1	<1	
				2013/12/26	Sunny	0.4	0.0	>100	8	2	1	<1	<1	
110	Nigorogawa River	Ogurogawa River Estuary		2013/10/24	Cloudy	0.2	0.0	77	11	6	4	<1	<1	
				2013/12/26	Sunny	0.2	0.0	>100	11	2	2	<1	<1	
111		Yamazakibashi Bridge		2013/10/24	Cloudy	0.3	0.0	>100	11	3	3	<1	<1	
				2013/12/26	Sunny	0.3	0.0	>100	8	2	2	<1	<1	
112	Inagawa River	Aoyagibashi Bridge	Minamiaizumachi Town	2013/10/8	Cloudy	0.7	0.0	>100	6	<1	1	<1	<1	
				2013/12/3	Cloudy	0.5	0.0	>100	5	2	0	<1	<1	
113		Kurosawabashi Bridge	Tadamimachi Town	2013/10/8	Cloudy	0.5	0.0	>100	4	1	1	<1	<1	
				2013/12/3	Cloudy	0.5	0.0	>100	5	1	1	<1	<1	
114	Tadamigawa River	Nishitanibashi Bridge	Kaneyamamachi Town	2013/10/25	Cloudy	0.3	0.0	75	6	8	6	<1	<1	
				2013/12/10	Cloudy	0.3	0.0	87	5	8	4	<1	<1	
115		Fujibashi Bridge	Aizubangemachi Town	2013/10/7	Sunny	1.7	0.0	>100	6	2	3	<1	<1	
				2013/12/2	Cloudy	1.5	0.0	>100	6	12	5	<1	<1	
116	Aganogawa River	Shingo Dam	Kitakatashi City	2013/10/7	Sunny	2.0	0.0	>100	9	2	2	<1	<1	
				2013/12/2	Cloudy	2.5	0.0	>100	7	5	7	<1	<1	
117	Sukawa River	Sukawano		2013/10/7	Sunny	0.4	0.0	>100	79	<1	0	<1	<1	
				2013/12/4	Sunny	0.4	0.0	>100	73	<1	0	<1	<1	
118	Nagasegawa River	Koganebashi Bridge		2013/10/18	Sunny	0.3	0.0	>100	26	5	4	<1	<1	
				2013/12/20	Light snow	0.3	0.0	95	14	6	3	<1	<1	
119	Takahashigawa River	Shinbashi Bridge	Inawashiro-machi Town	2013/10/18	Sunny	0.7	0.0	>100	20	2	1	<1	<1	
				2013/12/20	Light snow	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
120	Ogurogawa River	Umenohashi Bridge		2013/10/18	Sunny	0.5	0.0	>100	21	4	3	<1	<1	
				2013/12/20	Light snow	0.9	0.0	30	26	18	10	<1	<1	
121	Hishinumagawa River	Sekido District		2013/10/18	Sunny	0.6	0.0	>100	14	1	2	<1	<1	
				2013/12/20	Light snow	0.6	0.0	86	12	4	6	<1	<1	
122	Funatsugawa River	Ogurogawa River Estuary	Koriyamashi City	2013/10/18	Sunny	0.5	0.0	>100	7	3	2	<1	<1	
				2013/12/20	Light snow	0.3	0.0	>100	6	4	3	<1	<1	
123	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/10/18	Sunny	0.2	0.0	>100	5	2	1	<1	<1	
				2013/12/20	Light snow	0.8	0.0	>100	5	3	2	<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.

○River (Fukushima Prefecture, Aizu Area) : Sediment Monitoring Results

Sampling point				Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks
No.	Water body	Point	Municipality				Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium			
										Cs-134	Cs-137		
98	Agagawa River	Tajimabashi Bridge	Minamiaizumachi Town	2013/10/9	Cloudy	0.3	1	82	Gravel/sand	<10	<10	-	
				2013/12/3	Cloudy	0.4	1	89	Gravel/sand	<10	<10	-	
99		Okawabashi Bridge		2013/10/9	Cloudy	0.8	1	89	Gravel/sand	<10	<10	-	
				2013/12/3	Cloudy	0.4	1	87	Gravel/sand	<10	<10	-	
100		Takimibashi Bridge	Aizuwakamatsushi City	2013/10/22	Cloudy	1.0	5	67	Sand	33	91	124	
				2013/12/24	Cloudy	1.0	5	74	Sand	25	75	100	
101	Yukawa River	Shinyukawabashi Bridge		2013/10/22	Cloudy	0.5	5	81	Sand/gravel	26	61	87	
				2013/12/24	Cloudy	0.6	5	79	Sand/gravel	34	72	106	
102		Before the confluence with Aganogawa River		2013/10/22	Cloudy	0.7	5	84	Gravel/sand	<10	10	10	
				2013/12/24	Cloudy	0.6	5	78	Sand/gravel	22	67	89	
103	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2013/10/22	Cloudy	0.5	5	82	Sand/gravel	17	31	48	
				2013/12/24	Cloudy	0.5	5	79	Sand/gravel	14	42	56	
104	Aganogawa River	Miyakobashi Bridge		2013/10/23	Sunny	0.7	5	75	Sand	<10	<10	-	
				2013/12/25	Sunny	0.6	5	84	Sand/gravel	<10	<10	-	
105	Nippashigawa River	Minamiohashi Bridge	Kitakatashi City	2013/10/23	Cloudy	0.4	5	71	Sand	19	51	70	
				2013/12/25	Sunny	0.4	5	73	Sand	11	30	41	
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2013/10/23	Sunny	0.4	5	81	Sand	24	48	72	
				2013/12/25	Sunny	0.4	5	81	Sand/gravel	27	61	88	
107	Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2013/10/23	Sunny	0.4	5	79	Sand	37	94	131	
				2013/12/25	Sunny	0.4	5	73	Sand	66	170	236	
108	Tatsukigawa River	Ohashi Bridge		2013/10/24	Cloudy	0.2	5	74	Sand/gravel	<10	14	14	
				2013/12/26	Cloudy	0.3	5	76	Sand/gravel	10	15	25	
109		Shimokawarabashi Bridge	Kitakatashi City	2013/10/24	Cloudy	0.4	5	75	Sand	<10	28	28	
				2013/12/26	Sunny	0.4	5	63	Sand	33	88	121	
110	Nigorigawa River	Ogurogawa River Estuary		2013/10/24	Cloudy	0.2	5	82	Sand	<10	10	10	
				2013/12/26	Sunny	0.2	5	80	Sand	<10	<10	-	
111		Yamazakibashi Bridge		2013/10/24	Cloudy	0.3	5	85	Sand/gravel	<10	<10	-	
				2013/12/26	Sunny	0.3	5	77	Sand/gravel	<10	<10	-	
112	Inagawa River	Aoyagibashi Bridge	Minamiaizumachi Town	2013/10/8	Cloudy	0.7	1	79	Sand/gravel	<10	<10	-	
				2013/12/3	Cloudy	0.5	1	75	Sand/gravel	<10	<10	-	
113		Kurosawabashi Bridge	Tadamimachi Town	2013/10/8	Cloudy	0.5	1	98	Gravel/sand	<10	<10	-	
				2013/12/3	Cloudy	0.5	1	88	Gravel/sand	<10	<10	-	
114	Tadamigawa River	Nishitanibashi Bridge	Kaneyamamachi Town	2013/10/25	Cloudy	0.3	5	78	Gravel/sand	<10	<10	-	
				2013/12/10	Cloudy	0.3	5	94	Gravel/sand	<10	<10	-	
115		Fujibashi Bridge	Aizubangemachi Town	2013/10/7	Sunny	1.7	5	73	Sand	<10	<10	-	
				2013/12/2	Cloudy	1.5	5	74	Sand	<10	<10	-	
116	Aganogawa River	Shingo Dam	Kitakatashi City	2013/10/7	Sunny	2.0	2	54	Silt/sand	43	120	163	
				2013/12/2	Cloudy	2.5	2	52	Silt/clay	71	180	251	
117	Sukawa River	Sukawano		2013/10/7	Sunny	0.4	5	71	Sand/gravel	15	48	63	
				2013/12/4	Sunny	0.4	5	76	Sand/gravel	<10	21	21	
118	Nagasegawa River	Koganebashi Bridge		2013/10/18	Sunny	0.3	5	75	Sand/gravel	12	33	45	
				2013/12/20	Light snow	0.3	5	83	Sand/gravel	10	22	32	
119	Takahashigawa River	Shinbashi Bridge	Inawashiomachi Town	2013/10/18	Sunny	0.7	5	78	Sand/gravel	12	17	29	
				-	Light snow	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
120	Ogurogawa River	Umenohashi Bridge		2013/10/18	Sunny	0.5	5	72	Sand	54	130	184	
				2013/12/20	Light snow	0.9	5	57	Sand	94	230	324	
121	Hishinumagawa River	Sekido District		2013/10/18	Sunny	0.6	5	72	Silt	34	81	115	
				2013/12/20	Light snow	0.6	5	34	Silt	63	160	223	
122	Funatsugawa River	Ogurogawa River Estuary	Koriyamashi City	2013/10/18	Sunny	0.5	5	72	Sand	11	23	34	
				2013/12/20	Light snow	0.3	5	76	Sand	<10	<10	-	
123	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/10/18	Sunny	0.2	5	88	Sand	<10	<10	-	
				2013/12/20	Light snow	0.8	5	80	Sand	<10	<10	-	

• 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 (Fukushima Prefecture, Aizu Area): Surrounding Environment Monitoring Results

Sampling point				Sampling date	Weather	Left bank				Right bank				Remarks		
No.	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
98	Agagawa River	Tajimabashi Bridge	Minamiazumachi Town	2013/10/9	Cloudy	Loamy	110	270	380	0.06	Loamy	<10	18	18	0.06	
				2013/12/3	Cloudy	Loamy	140	380	520	0.06	Loamy	<10	22	22	0.06	
99		Okawabashi Bridge		2013/10/9	Cloudy	Sandy	12	26	38	0.09	Loamy	35	66	101	0.08	
				2013/12/3	Cloudy	Sandy	120	300	420	0.07	Loamy	210	520	730	0.07	
100		Takimibashi Bridge	Aizuwakamatsushi City	2013/10/22	Cloudy	Loamy	90	240	330	0.17	Clay-loamy	180	390	570	0.13	
				-	Cloudy	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
101	Yukawa River	Shinyukawabashi Bridge		2013/10/22	Cloudy	Loamy	450	1,100	1,550	0.18	Loamy	350	840	1,190	0.19	
				-	Cloudy	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
102		Before the confluence with Aganogawa River		2013/10/22	Cloudy	Loamy	150	410	560	0.18	Loamy	330	780	1,110	0.18	
				-	Cloudy	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
103	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2013/10/22	Cloudy	Loamy	700	1,600	2,300	0.19	Loamy	330	830	1,160	0.18	
				2013/12/24	Cloudy	Loamy	230	550	780	0.17	Loamy	330	850	1,180	0.16	
104	Aganogawa River	Miyakobashi Bridge		2013/10/23	Sunny	Loamy	280	620	900	0.23	Loamy	<10	14	14	0.09	
				-	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
105	Nippashigawa River	Minamiohashi Bridge	Kitakatashi City	2013/10/23	Cloudy	Loamy	750	1,800	2,550	0.24	Loamy	400	970	1,370	0.18	
				-	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2013/10/23	Sunny	Loamy	370	920	1,290	0.28	Loamy	490	1,100	1,590	0.19	
				2013/12/25	Sunny	Loamy	690	1,600	2,290	0.18	Loamy	770	1,900	2,670	0.19	
107	Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2013/10/23	Sunny	Loamy	310	710	1,020	0.17	Loamy	220	440	660	0.14	
				-	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
108	Tatsukigawa River	Ohashi Bridge		2013/10/24	Cloudy	Loamy	150	330	480	0.10	Loamy	240	580	820	0.11	
				-	Cloudy	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
109		Shimokawarabashi Bridge	Kitakatashi City	2013/10/24	Cloudy	Loamy	380	900	1,280	0.14	Loamy	440	1,000	1,440	0.14	
				2013/12/26	Sunny	Loamy	240	600	840	0.13	Loamy	260	630	890	0.13	
110	Nigorigawa River	Ogurogawa River Estuary		2013/10/24	Cloudy	Loamy	530	1,100	1,630	0.16	Loamy	130	280	410	0.15	
				-	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
111		Yamazakibashi Bridge		2013/10/24	Cloudy	Loamy	200	490	690	0.16	Loamy	320	730	1,050	0.15	
				2013/12/26	Sunny	Loamy	350	890	1,240	0.12	-	-	-	-	-	(Right bank) Unable to collect samples due to snow on the ground
112	Inagawa River	Aoyagibashi Bridge	Minamiazumachi Town	2013/10/8	Cloudy	Sandy	59	140	199	0.12	Sandy	55	110	165	0.12	
				2013/12/3	Cloudy	Sandy	56	140	196	0.09	Sandy	<10	21	21	0.13	
113		Kurosawabashi Bridge	Tadamimachi Town	2013/10/8	Cloudy	Loamy	71	160	231	0.09	Loamy	<10	<10	-	0.08	
				2013/12/3	Cloudy	Loamy	80	180	260	0.09	Loamy	13	32	45	0.06	
114	Tadamigawa River	Nishitanibashi Bridge	Kaneyamamachi Town	2013/10/25	Cloudy	Sandy	12	36	48	0.06	Loamy	16	29	45	0.07	
				2013/12/10	Cloudy	Sandy	<10	<10	-	0.08	Loamy	18	62	80	0.07	
115		Fujibashi Bridge	Aizubangemachi Town	2013/10/7	Sunny	Sandy	22	40	62	0.06	Sandy	170	410	580	0.13	
				2013/12/2	Cloudy	Sandy	12	38	50	0.06	Sandy	380	920	1,300	0.12	
116	Aganogawa River	Shingo Dam	Kitakatashi City	2013/10/7	Sunny	Loamy	67	140	207	0.08	Loamy	78	180	258	0.08	
				2013/12/2	Cloudy	Loamy	90	240	330	0.09	Loamy	71	150	221	0.08	
117	Sukawa River	Sukawano		2013/10/7	Sunny	Loamy	290	720	1,010	0.16	Loamy	220	540	760	0.17	
				2013/12/4	Sunny	Loamy	300	810	1,110	0.17	Loamy	250	630	880	0.20	
118	Nagasegawa River	Koganebashi Bridge		2013/10/18	Sunny	Loamy	55	160	215	0.07	Loamy	240	500	740	0.07	
				-	Light snow	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
119	Takahashigawa River	Shinbashi Bridge	Inawashiro-machi Town	2013/10/18	Sunny	Loamy	280	580	860	0.07	Loamy	62	130	192	0.08	
				-	Light snow	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
120	Ogurogawa River	Umenohashi Bridge		2013/10/18	Sunny	Loamy	220	540	760	0.09	Loamy	65	150	215	0.08	
				-	Light snow	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
121	Hishinumagawa River	Sekido District		2013/10/18	Sunny	Loamy	94	230	324	0.08	Loamy	84	180	264	0.08	
				-	Light snow	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
122	Funatsugawa River	Ogurogawa River Estuary	Koriyamashi City	2013/10/18	Sunny	Loamy	49	140	189	0.08	Loamy	67	160	227	0.08	
				-	Light snow	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
123	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/10/18	Sunny	Loamy	63	160	223	0.08	Loamy	93	210	303	0.07	
				-	Light snow	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground

\* 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.

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

\* 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.

OLake and Headwater (Fukushima Prefecture, Hamadori Area) : Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks		
No.	Point		Municipality				Sampling depth (m)	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium				
												Cs-134	Cs-137			
1	Soso (farm pond)	Takei	Surface layer	2013/10/7	Cloudy	3.0	0.5	1.0	21	7	8	<1	<1			
			Lower layer				2.0								22	9
		Uchizawa	Surface layer	2013/12/2	Sunny	0.8	0.0	0.5	-	-	-	-	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
2	Soso (farm pond)	Uchizawa	Surface layer	2013/10/7	Cloudy	2.3	0.5	1.6	15	11	2	<1	<1			
			Lower layer				1.3								15	
		Somashi City	Surface layer	2013/12/2	Sunny	2.6	0.5	2.1	12	1	2	2	<1		<1	
			Lower layer				1.6									
3	Matsugabo Dam (Utawako Lake)	Somashi City	Surface layer	2013/10/8	Sunny	29.6	0.5	4.0	8	1	1	<1	<1			
			Lower layer				28.6								14	
		Hitatemura Village	Surface layer	2013/12/2	Sunny	34.0	0.5	2.9	8	3	2	7	<1		<1	
			Lower layer				33.0									
4	Mano Dam	Hitatemura Village	Surface layer	2013/10/15	Cloudy	50.4	0.5	4.5	7	<1	1	<1	<1			
			Lower layer				49.4								11	
		Somashi City	Surface layer	2013/11/1	Sunny	53.6	0.5	4.5	10	1	1	3	<1		<1	
			Lower layer				52.6									
5	Soso (farm pond)	Ainosawa	Surface layer	2013/12/6	Sunny	50.8	0.5	5.1	7	<1	1	<1	<1			
			Lower layer				49.8								9	
		Hitatemura Village	Surface layer	2013/10/22	Cloudy	0.5	0.0	>0.5	4	-	2	2	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
6	Ganbe Dam Reservoir	Hitatemura Village	Surface layer	2013/12/6	Sunny	0.5	>0.5	4	<1	1	-	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/21	Cloudy	10.5	0.5	1.5	5	4	4	5	<1		<1	
			Lower layer				9.5									
7	Soso (farm pond)	Fugane Dam	Surface layer	2013/12/9	Sunny	6.7	0.5	2.7	5	1	2	<1	<1			
			Lower layer				5.7								6	
		Hitatemura Village	Surface layer	2013/10/8	Cloudy	0.3	0.0	>0.3	6	3	2	-	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
8	Soso (farm pond)	Fugane Dam	Surface layer	2013/12/5	Sunny	0.3	0.0	>0.3	6	17	3	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/22	Light rain	0.7	0.0	>0.7	3	-	3	3	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
9	Takanokura Dam Reservoir	Hitatemura Village	Surface layer	2013/12/9	Sunny	0.7	0.0	>0.7	14	2	2	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/8	Sunny	0.6	0.0	>0.6	6	<1	1	-	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
10	Yokokawa Dam Reservoir	Hitatemura Village	Surface layer	2013/12/6	Sunny	17.4	0.5	5.5	6	<1	1	<1	<1			
			Lower layer				16.4								6	
		Hitatemura Village	Surface layer	2013/10/9	Cloudy	5.9	0.5	4.8	5	<1	1	1	<1		<1	
			Lower layer				4.9									
11	Soso (farm pond)	Uwatashiro	Surface layer	2013/12/5	Sunny	12.8	0.5	6.0	5	<1	1	<1	<1			
			Lower layer				11.8								5	
		Hitatemura Village	Surface layer	2013/10/9	Cloudy	-	-	-	-	-	-	-	-		-	Unable to collect samples due to drought
			Lower layer				-									
12	Soso (farm pond)	Uwatashiro	Surface layer	-	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to drought		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/9	Cloudy	0.3	0.0	>0.3	5	-	23	17	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
13	Soso (farm pond)	Uwatashiro	Surface layer	2013/12/5	Sunny	0.4	0.0	0.1	7	31	30	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/9	Cloudy	0.4	0.0	>0.4	6	-	5	3	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
14	Soso (farm pond)	Uwatashiro	Surface layer	2013/12/5	Sunny	0.5	0.0	0.3	9	14	11	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/23	Light rain	0.5	0.0	>0.5	3	-	2	3	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
15	Soso (farm pond)	Uwatashiro	Surface layer	2013/12/9	Sunny	0.6	0.0	>0.6	3	1	1	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/22	Cloudy	0.4	0.0	0.3	8	-	18	16	<1		2	Collected only from the surface layer due to shallow water
			Lower layer				-									
16	Soso (farm pond)	Uwatashiro	Surface layer	2013/12/10	Light rain	0.4	0.0	>0.4	11	1	2	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/22	Cloudy	0.6	0.0	>0.6	5	-	4	5	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
17	Soso (farm pond)	Uwatashiro	Surface layer	2013/12/6	Sunny	0.6	0.0	>0.6	5	3	4	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-								-	
		Hitatemura Village	Surface layer	2013/10/11	Cloudy	0.6	0.0	>0.6	6	-	3	2	<1		<1	Collected only from the surface layer due to shallow water
			Lower layer				-									
Hitatemura Village	Surface layer	2013/12/5	Sunny	0.5	0.0	>0.6	5	-	2	2	<1	<1	Collected only from the surface layer due to shallow water			
	Lower layer				-									-	-	



Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks			
No.	Point					Municipality	Sampling depth (m)	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium				
												Cs-134		Cs-137		
34	Komachi Dam	Surface layer	Onomachi Town	2013/10/2	Light rain	10.1	0.5	0.6	7	9	12	<1	<1			
		Lower layer					9.1		13	27	33	<1	<1			
		Surface layer		2013/12/4	Sunny	9.4	0.5	1.1	8	6	5	<1	<1			
		Lower layer					8.4		8	7	7	<1	<1			
35	Kido Dam	Surface layer	Narahamachi Town	2013/10/11	Sunny	23.5	0.5	3.5	5	<1	1	<1	<1			
		Lower layer					22.5		5	4	2	<1	<1			
		Surface layer		2013/11/5	Sunny	22.5	0.5	3.5	5	<1	1	<1	<1			
		Lower layer					21.5		5	2	2	<1	<1			
		Surface layer		2013/12/5	Cloudy	48.0	0.5	4.3	5	<1	1	<1	<1			
		Lower layer					47.0		6	2	2	<1	<1			
		36		Soso (farm pond)	Surface layer	Otsutsumi	2013/10/9	Cloudy	0.7	0.0	0.6	56	4	6	<1	<1
					Lower layer					-		-	-	-	-	-
Surface layer	2013/12/5		Sunny		1.1		0.0	>1.1	49	2	3	<1	<1			
Lower layer							-		-	-	-	-	-	Collected only from the surface layer due to shallow water		
37	Iwaki (farm pond)	Surface layer	Shimike	2013/10/6	Cloudy	0.7	0.0	>0.7	9	3	3	<1	<1			
		Lower layer					-		-	-	-	-	-	Collected only from the surface layer due to shallow water		
		Surface layer		2013/12/5	Sunny	0.8	0.0	>0.8	10	2	1	<1	<1			
		Lower layer					-		-	-	-	-	-	Collected only from the surface layer due to shallow water		
38	Kodama Dam Reservoir (Kodamako Lake)	Surface layer		2013/10/9	Cloudy	55.2	0.5	2.3	8	4	3	<1	<1			
		Lower layer					54.2		11	3	5	<1	<1			
		Surface layer		2013/12/5	Sunny	54.9	0.5	3.5	12	2	1	<1	<1			
		Lower layer					53.9		11	3	5	<1	<1			
39	Iwaki (farm pond)	Surface layer	Iwakishi City	2013/10/7	Sunny	0.4	0.0	>0.4	50	5	3	<1	<1			
		Lower layer					-		-	-	-	-	-	Collected only from the surface layer due to shallow water		
		Surface layer		2013/12/7	Cloudy	0.4	0.0	>0.4	51	2	2	<1	<1			
		Lower layer					-		-	-	-	-	-	Collected only from the surface layer due to shallow water		
40	Takashiba Dam Reservoir (Takashibako Lake)	Surface layer		2013/10/8	Sunny	21.4	0.5	2.5	11	1	2	<1	<1			
		Lower layer					20.4		13	10	12	<1	<1			
		Surface layer		2013/12/4	Cloudy	20.1	0.5	3.0	11	1	2	<1	<1			
		Lower layer					19.1		18	2	2	<1	<1			
41	Shitoki Dam Reservoir	Surface layer		2013/10/8	Sunny	35.7	0.5	2.5	7	2	2	<1	<1			
		Lower layer					34.7		13	5	5	<1	<1			
		Surface layer		2013/12/4	Cloudy	36.0	0.5	2.5	8	2	2	<1	<1			
		Lower layer					35.0		9	14	11	<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.

○Lake and Headwater (Fukushima Prefecture, Hamadori Area): Sediment and Surrounding Environment Monitoring Results

Sampling point			Sampling date	Weather	Full depth (m)	Sediment						Surrounding environment (lake shore)					Remarks	
						General items			Concentration of radioactive material [Bq/kg (dried mud)]			Property	Soil					
No.	Point	Municipality	Mud sampling depth (cm)	Mud content (%)	Property	Radioactive cesium			Property	Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)					
						Cs-134	Cs-137			Cs-134	Cs-137	Total						
1	Soso (farm pond)	Takei	Shinchimachi Town	2013/10/7	Cloudy	3.0	10	20	Silt	1,200	2,500	3,700	Loamy	510	1,100	1,610	0.23	
				2013/12/2	Sunny	0.8	10	19	Silt	1,200	3,200	4,400	Loamy	460	1,100	1,560	0.19	
2		Uchizawa	Somashi City	2013/10/7	Cloudy	2.3	10	57	Silt/sand	100	240	340	Loamy	160	350	510	0.16	
				2013/12/2	Sunny	2.6	10	72	Gravel/sand	77	200	277	Loamy	370	860	1,230	0.10	
3	Matsugabo Dam (Utagawako Lake)			2013/10/8	Sunny	29.6	10	26	Silt	3,200	7,600	10,800	Loamy	1,500	3,300	4,800	0.45	
				2013/12/2	Sunny	34.0	10	21	Silt	4,400	11,000	15,400	Loamy	1,500	3,700	5,200	0.49	
4	Mano Dam			2013/10/15	Cloudy	50.4	10	24	Silt	7,500	18,000	25,500	Loamy	4,500	10,000	14,500	1.00	
				2013/11/1	Sunny	53.6	5	20	Silt	15,000	33,000	48,000	Loamy	3,300	7,700	11,000	1.05	
				2013/12/6	Sunny	50.8	10	23	Silt	6,600	16,000	22,600	Loamy	4,200	10,000	14,200	0.89	
5	Soso (farm pond)	Ainosawa		2013/10/22	Cloudy	0.5	10	30	Silt	6,700	16,000	22,700	Loamy	7,900	18,000	25,900	2.55	
				2013/12/6	Sunny	0.5	10	53	Sand/gravel	4,200	10,000	14,200	Loamy	1,500	3,700	5,200	2.85	
6	Ganbe Dam Reservoir		Iitatemura Village	2013/10/21	Cloudy	10.5	10	35	Silt	15,000	35,000	50,000	Loamy	13,000	31,000	44,000	2.32	
				2013/12/9	Sunny	6.7	10	28	Silt	26,000	61,000	87,000	Loamy	6,800	16,000	22,800	2.27	
7	Soso (farm pond)	Fugane Dam		2013/10/8	Cloudy	0.3	10	69	Sand/silt	1,300	2,800	4,100	Loamy	5,300	12,000	17,300	2.70	
				2013/12/5	Sunny	0.3	10	40	Silt	5,900	14,000	19,900	Loamy	5,300	13,000	18,300	2.92	
8		Sasatoge		2013/10/22	Light rain	0.7	10	40	Silt	1,600	3,500	5,100	Loamy	11,000	25,000	36,000	2.45	
				2013/12/9	Sunny	0.7	10	46	Sand/silt	1,900	4,700	6,600	Loamy	12,000	28,000	40,000	2.28	
9	Takanokura Dam Reservoir			2013/10/8	Sunny	0.6	5	61	Silt/sand	300	660	960	Loamy	5,200	12,000	17,200	1.74	
				2013/12/6	Sunny	17.4	10	35	Silt	7,800	19,000	26,800	Loamy	3,500	8,200	11,700	1.97	
10	Yokokawa Dam Reservoir			2013/10/9	Cloudy	5.9	5	63	Sand/silt	7,300	17,000	24,300	Loamy	3,800	8,500	12,300	1.63	
				2013/12/5	Sunny	12.8	10	75	Sand/gravel	3,600	8,700	12,300	Loamy	2,200	5,000	7,200	1.63	
11		Tarayachi	Minamisomashi City	2013/10/9	Cloudy	-	-	-	-	-	-	-	Loamy	1,900	4,300	6,200	0.91	Unable to collect samples due to drought
				2013/12/5	Sunny	-	-	-	-	-	-	-	-	-	Loamy	1,800	4,200	6,000
12		Takeshiyachi		2013/10/9	Cloudy	0.3	10	75	Sand	130	280	410	Loamy	420	950	1,370	0.26	
				2013/12/5	Sunny	0.4	10	76	Sand/gravel	140	380	520	Clay-loamy	450	1,100	1,550	0.26	
13		Ryugasaku		2013/10/9	Cloudy	0.4	10	55	Silt/sand	2,200	5,200	7,400	Loamy	1,600	3,700	5,300	0.65	
				2013/12/5	Sunny	0.5	10	60	Silt	2,300	5,700	8,000	Loamy	1,000	2,500	3,500	0.69	
14	Soso (farm pond)	Uwatashiro	Kawamatamachi Town	2013/10/23	Light rain	0.5	10	37	Silt/sand	81	230	311	Loamy	3,600	8,000	11,600	1.10	
				2013/12/9	Sunny	0.6	10	64	Silt/clay	44	96	140	Loamy	11,000	26,000	37,000	0.20	
15		Koakuto	Namiemachi Town	2013/10/22	Cloudy	0.4	10	42	Silt	3,700	8,800	12,500	Loamy	24,000	56,000	80,000	8.86	
				2013/12/10	Light rain	0.4	10	50	Silt/clay	12,000	28,000	40,000	Loamy	78,000	190,000	268,000	8.30	
16		Yosouchi	Iitatemura Village	2013/10/22	Cloudy	0.6	10	71	Sand	930	2,100	3,030	Loamy	4,200	9,700	13,900	1.88	
				2013/12/6	Sunny	0.6	10	66	Sand	2,700	6,200	8,900	Loamy	2,500	6,100	8,600	1.83	
17		Myobusaku No. 2	Minamisomashi City	2013/10/11	Cloudy	0.6	10	24	Silt	3,500	8,300	11,800	Loamy	440	1,000	1,440	0.38	
				2013/12/5	Sunny	0.5	10	25	Silt	4,000	10,000	14,000	Loamy	270	680	950	0.33	
18	Ogaki Dam		Namiemachi Town	2013/10/10	Cloudy	0.6	8	70	Sand/gravel	4,100	9,000	13,100	Loamy	840	2,000	2,840	2.18	
				2013/11/1	Sunny	0.6	5	70	Sand/gravel	3,300	7,700	11,000	Loamy	380	870	1,250	2.29	
				2013/12/4	Sunny	0.4	10	77	Sand/gravel	2,700	6,600	9,300	Loamy	650	1,600	2,250	2.14	
19		Uenokawa	Katsuraomura Village	2013/10/23	Cloudy	0.3	10	67	Sand	720	1,700	2,420	Loamy	2,300	5,500	7,800	0.66	
				2013/12/11	Cloudy	0.5	10	67	Sand	850	2,200	3,050	Loamy	1,500	3,600	5,100	0.80	
20	Soso (farm pond)	Heigoiri	Iitatemura Village	2013/10/22	Light rain	0.6	10	26	Silt	2,800	6,600	9,400	Loamy	9,800	22,000	31,800	2.16	
				2013/12/10	Light rain	0.7	10	17	Silt	15,000	37,000	52,000	Loamy	3,600	8,600	12,200	2.15	
21		Mekurasawa No. 2	Namiemachi Town	2013/10/11	Cloudy	0.6	10	71	Sand/silt	1,800	4,500	6,300	Loamy	10,000	25,000	35,000	3.25	
				2013/12/5	Sunny	0.5	10	77	Gravel/sand	1,500	3,700	5,200	Loamy	8,700	22,000	30,700	3.12	
22		Joroku		2013/10/10	Cloudy	0.4	10	32	Silt	12,000	31,000	43,000	Loamy	13,000	33,000	46,000	4.08	
				2013/12/4	Sunny	0.4	10	44	Silt	24,000	65,000	89,000	Loamy	17,000	44,000	61,000	3.74	

Sampling point			Sampling date	Weather	Full depth (m)	Sediment						Surrounding environment (lake shore)					Remarks
						General items			Concentration of radioactive material [Bq/kg (dried mud)]			Property	Soil				
No.	Point	Municipality	Mud sampling depth (cm)	Mud content (%)	Property	Radioactive cesium			Property	Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)				
						Cs-134	Cs-137			Cs-134	Cs-137	Total					
23	Furumichigawa Power Plant Dam	Tamurashi City	2013/10/10	Cloudy	6.5	5	44	Silt	1,000	2,200	3,200	Loamy	620	1,500	2,120	0.43	
			2013/12/10	Cloudy	6.7	10	42	Silt/sand	880	2,100	2,980	Loamy	1,100	2,500	3,600	0.40	
24	Ogurogawa River Estuary	Futabamachi Town	2013/10/10	Cloudy	0.6	5	26	Silt	92,000	210,000	302,000	Loamy	60,000	140,000	200,000	23.02	
			2013/12/4	Sunny	0.5	10	29	Silt	130,000	320,000	450,000	Clay-loamy	13,000	32,000	45,000	20.46	
25	Soso (farm pond)	Suzunai No.4	Okumamachi Town	2013/10/10	Cloudy	0.5	10	47	Silt	37,000	86,000	123,000	Loamy	79,000	180,000	259,000	23.34
				2013/12/4	Sunny	0.7	10	59	Silt/sand	27,000	65,000	92,000	Loamy	27,000	64,000	91,000	20.68
26	Nishihaguro	Futabamachi Town	2013/10/10	Cloudy	0.6	6	68	Silt	5,500	13,000	18,500	Loamy	25,000	57,000	82,000	5.51	
			2013/12/4	Sunny	0.6	10	63	Sand/silt	5,100	12,000	17,100	Loamy	8,400	21,000	29,400	5.11	
27	Sakashita Dam	Okumamachi Town	2013/10/10	Cloudy	19.2	10	28	Silt	5,800	13,000	18,800	Loamy	1,600	3,600	5,200	0.98	
			2013/12/3	Sunny	19.6	10	39	Silt/sand	4,300	11,000	15,300	Loamy	920	2,200	3,120	0.72	
28	Soso (farm pond)	Atamamori 2	Okumamachi Town	2013/10/10	Cloudy	0.6	5	71	Sand/silt	1,500	3,400	4,900	Loamy	6,900	15,000	21,900	1.73
				2013/12/3	Sunny	0.6	10	68	Sand/silt	1,300	3,200	4,500	Loamy	8,000	19,000	27,000	1.86
29	Yonomori	Tomiokamachi Town	2013/10/9	Cloudy	0.9	10	49	Silt	11,000	25,000	36,000	Loamy	5,400	12,000	17,400	3.86	
			2013/12/4	Sunny	1.0	10	42	Silt	14,000	34,000	48,000	Loamy	5,200	12,000	17,200	3.83	
30	Takikawa Dam	Kawauchimura Village	2013/10/11	Cloudy	0.5	5	35	Silt/sand	5,300	12,000	17,300	Loamy	16,000	36,000	52,000	2.65	
			2013/11/5	Sunny	8.0	10	74	Sand	630	1,500	2,130	Loamy	15,000	35,000	50,000	2.31	
			2013/12/3	Sunny	0.6	10	83	Sand/gravel	280	650	930	Loamy	9,500	23,000	32,500	2.15	
31	Takinosawa	Tomiokamachi Town	2013/10/9	Cloudy	0.6	10	49	Silt	3,200	7,300	10,500	Loamy	8,500	19,000	27,500	0.41	
			2013/12/3	Sunny	0.5	10	43	Silt	2,300	5,500	7,800	Loamy	5,800	14,000	19,800	1.80	
32	Soso (farm pond)	Kamisigeoka No.1	Narahamachi Town	2013/10/9	Cloudy	0.5	8	Sand	3,300	7,700	11,000	Loamy	1,200	2,700	3,900	1.09	
				2013/12/3	Sunny	0.3	10	63	Sand/silt	3,100	7,500	10,600	Loamy	2,800	6,700	9,500	0.86
33	Shimoshigeoka	Narahamachi Town	2013/10/9	Cloudy	0.5	5	69	Sand/silt	2,900	6,600	9,500	Loamy	2,000	4,500	6,500	0.61	
			2013/12/3	Sunny	0.5	10	61	Sand/silt	2,300	5,600	7,900	Loamy	520	1,200	1,720	0.48	
34	Komachi Dam	Onomachi Town	2013/10/2	Light rain	10.1	10	27	Silt	860	2,000	2,860	Loamy	440	990	1,430	0.15	
			2013/12/4	Sunny	9.4	8	24	Silt	1,100	2,600	3,700	Loamy	170	390	560	0.15	
35	Kido Dam	Narahamachi Town	2013/10/11	Sunny	23.5	5	27	Silt	4,300	10,000	14,300	Loamy	720	1,700	2,420	0.37	
			2013/11/5	Sunny	22.5	10	24	Silt	1,600	3,800	5,400	Loamy	1,100	2,500	3,600	0.36	
			2013/12/5	Cloudy	48.0	10	28	Silt	4,800	12,000	16,800	Loamy	730	1,800	2,530	0.34	
36	Soso (farm pond)	Otsutsumi	2013/10/9	Cloudy	0.7	10	57	Sand/silt	2,000	4,500	6,500	Loamy	390	960	1,350	0.32	
			2013/12/5	Sunny	1.1	5	49	Sand/silt	2,200	4,900	7,100	Loamy	760	1,700	2,460	0.37	
37	Iwaki(farm pond)	Shinike	2013/10/6	Cloudy	0.7	5	76	Sand	19	49	68	Sandy	270	670	940	0.24	
			2013/12/5	Sunny	0.8	5	75	Sand	29	82	111	Sandy	300	820	1,120	0.23	
38	Kodama Dam Reservoir (Kodamako Lake)	Iwakishi City	2013/10/9	Cloudy	55.2	10	23	Silt	570	1,200	1,770	Sandy	100	220	320	0.16	
			2013/12/5	Sunny	54.9	10	27	Silt	700	1,600	2,300	Sandy	80	190	270	0.16	
39	Iwaki (farm pond)	Kanoritsutsumishita	2013/10/7	Sunny	0.4	5	66	Sand/gravel	25	57	82	Sandy	88	220	308	0.19	
			2013/12/7	Cloudy	0.4	2	58	Sand	220	510	730	Sandy	320	730	1,050	0.23	
40	Takashiba Dam Reservoir (Takashibako Lake)	Iwakishi City	2013/10/8	Sunny	21.4	10	33	Silt	310	740	1,050	Sandy	1,100	2,500	3,600	0.23	
			2013/12/4	Cloudy	20.1	10	31	Silt	430	1,100	1,530	Sandy	1,400	3,200	4,600	0.23	
41	Shitoki Dam Reservoir	Iwakishi City	2013/10/8	Sunny	35.7	10	33	Silt	370	900	1,270	Sandy	1,200	2,700	3,900	0.28	
			2013/12/4	Cloudy	36.0	10	24	Silt	600	1,400	2,000	Sandy	1,400	3,400	4,800	0.26	

• 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 are listed from north to south.

• 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.

○Lake and Headwater (Fukushima Prefecture, Nakadori Area): Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Point	Municipality				Sampling depth (m)	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium		
												Cs-137	
42	Surikamigawa Dam Reservoir	Surface layer	2013/10/21	Sunny	73.6	0.5	2.9	5	3	2	<1	<1	
		Lower layer				72.6		8	1	1	<1	<1	
		Surface layer	2013/12/9	Sunny	56.5	0.5	5.0	5	1	1	<1	<1	
		Lower layer				55.5		6	2	2	<1	<1	
43	Handanuma Lake (farm pond)	Surface layer	2013/10/21	Cloudy	0.7	0.0	>0.7	12	2	2	<1	<1	
		Lower layer				-		-	-	-	-	-	Collected only from the surface layer due to shallow water
		Surface layer	2013/11/12	Light snow	0.7	0.0	>0.7	32	1	2	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
		Surface layer	2013/12/6	Sunny	1.5	0.0	>1.5	11	<1	1	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
44	Oike Pond (farm pond)	Surface layer	2013/10/4	Cloudy	1.2	0.0	>1.2	5	4	2	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
		Surface layer	2013/12/4	Sunny	0.7	0.0	>0.7	6	2	2	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
45	Miharu Dam	Surface layer	2013/10/9	Sunny	29.0	0.5	1.5	13	7	5	<1	<1	
		Lower layer				28.0		14	28	17	<1	<1	
		Surface layer	2013/11/13	Sunny	29.0	0.5	1.1	14	5	7	<1	<1	
		Lower layer				28.0		14	13	7	<1	<1	
		Surface layer	2013/12/11	Sunny	30.0	0.5	2.1	13	3	2	<1	<1	
		Lower layer				29.0		14	8	5	<1	<1	
46	Hounokusa (farm pond)	Surface layer	2013/10/23	Cloudy	0.7	0.0	0.6	9	8	7	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
		Surface layer	2013/12/4	Sunny	1.0	0.0	>1.0	9	5	4	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
47	Hatoriko Lake	Surface layer	2013/10/4	Cloudy	21.9	0.5	4.9	4	<1	1	<1	<1	
		Lower layer				20.9		7	6	8	<1	<1	
		Surface layer	2013/12/2	Cloudy	24.5	0.5	5.0	4	1	1	<1	<1	
		Lower layer				23.5		4	1	1	<1	<1	
48	Hirodaira (farm pond)	Surface layer	2013/10/2	Cloudy	0.6	0.0	>0.6	9	2	6	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
		Surface layer	2013/12/3	Cloudy	1.5	0.0	>1.5	11	1	2	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
49	Sengosawa Dam Reservoir	Surface layer	2013/10/2	Light rain	18.0	0.5	0.6	7	22	8	<1	<1	
		Lower layer				17.0		31	23	18	<1	<1	
		Surface layer	2013/12/3	Sunny	15.9	0.5	2.2	11	2	2	<1	<1	
		Lower layer				14.9		13	4	5	<1	<1	
50	Watariike Pond (farm pond)	Surface layer	2013/10/1	Sunny	1.4	0.0	0.6	20	5	8	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
		Surface layer	2013/12/3	Sunny	1.5	0.0	>1.5	20	5	4	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
51	Izumikawa (farm pond)	Surface layer	2013/10/1	Cloudy	0.6	0.0	0.5	25	5	7	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
		Surface layer	2013/12/3	Sunny	0.3	0.0	>0.3	21	6	5	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
52	Ogurogawa River	Surface layer	2013/10/1	Sunny	25.7	0.5	4.6	5	<1	1	<1	<1	
		Lower layer				24.7		6	<1	2	<1	<1	
		Surface layer	2013/12/2	Cloudy	30.0	0.5	6.0	5	1	1	<1	<1	
		Lower layer				29.0		5	<1	1	<1	<1	
53	Nanko Lake	Surface layer	2013/10/1	Sunny	1.1	0.0	>1.1	34	1	2	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	
		Surface layer	2013/12/2	Cloudy	1.2	0.0	>1.2	26	5	5	<1	<1	
		Lower layer				-		-	-	-	-	Collected only from the surface layer due to shallow water	

• 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.

OLake and Headwater(Fukushima Prefecture, Nakadori Area): Sediment and Surrounding Environment Monitoring Results

Sampling point			Sampling date	Weather	Full depth (m)	Sediment						Surrounding environment (lake shore)					Remarks
No.	Point	Municipality				General items			Concentration of radioactive material [Bq/kg (dried mud)]			Property	Soil				
						Mud sampling depth (cm)	Mud content (%)	Property	Radioactive cesium				Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)	
									Cs-134	Cs-137	Total		Cs-134	Cs-137	Total		
42	Surikamigawa Dam Reservoir	Fukushimashi City	2013/10/21	Sunny	73.6	10	34	Silt	760	1,800	2,560	Loamy	320	710	1,030	0.16	
			2013/12/9	Sunny	56.5	10	40	Silt	1,400	3,300	4,700	Loamy	340	840	1,180	0.16	
43	Handanuma Lake (farm pond)	Korimachi Town	2013/10/21	Cloudy	0.7	10	71	Sand	1,400	3,100	4,500	Loamy	540	1,300	1,840	0.52	
			2013/11/12	Light snow	0.7	10	78	Sand	230	560	790	Loamy	2,600	5,900	8,500	0.54	
			2013/12/6	Sunny	1.5	6	73	Sand/gravel	400	1,000	1,400	Loamy	1,100	2,300	3,400	0.50	
44	Oike Pond (farm pond)	Motomiyashi City	2013/10/4	Cloudy	1.2	10	78	Silt/sand	200	420	620	Loamy	1,300	3,100	4,400	0.93	
			2013/12/4	Sunny	0.7	5	76	Sand/silt	360	860	1,220	Loamy	580	1,400	1,980	0.86	
45	Miharu Dam	Miharumachi Town	2013/10/9	Sunny	29.0	5	24	Silt	1,100	2,400	3,500	Loamy	360	740	1,100	0.20	
			2013/11/13	Sunny	29.0	10	20	Silt	1,100	2,500	3,600	Loamy	200	480	680	0.22	
			2013/12/11	Sunny	30.0	10	21	Silt	1,400	3,100	4,500	Loamy	520	1,300	1,820	0.21	
46	Hounokusa (farm pond)	Koriyamashi City	2013/10/23	Cloudy	0.7	10	69	Silt	28	60	88	Loamy	1,600	3,700	5,300	0.53	
			2013/12/4	Sunny	1.0	7	62	Sand/gravel	160	350	510	Loamy	1,000	2,400	3,400	0.41	
47	Hatoriko Lake	Teneimura Village	2013/10/4	Cloudy	21.9	10	27	Silt	1,500	3,500	5,000	Loamy	340	820	1,160	0.14	
			2013/12/2	Cloudy	24.5	10	26	Silt	1,000	2,700	3,700	Loamy	380	890	1,270	0.11	
48	Hirodaira (farm pond)	Sukagawashi City	2013/10/2	Cloudy	0.6	10	60	Sand/silt	22	47	69	Loamy	530	1,200	1,730	0.16	
			2013/12/3	Cloudy	1.5	7	55	Sand/clay	100	240	340	Loamy	310	800	1,110	0.14	
49	Sengosawa Dam Reservoir	Ishikawamachi Town	2013/10/2	Light rain	18.0	10	20	Silt	820	1,800	2,620	Loamy	350	780	1,130	0.17	
			2013/12/3	Sunny	15.9	10	19	Silt	830	2,000	2,830	Loamy	260	670	930	0.14	
50	Watarike Pond (farm pond)	Yabukimachi Town	2013/10/1	Sunny	1.4	10	51	Sand/silt	29	59	88	Loamy	390	900	1,290	0.15	
			2013/12/3	Sunny	1.5	7	79	Sand/gravel	18	50	68	Loamy	260	650	910	0.11	
51	Izumikawa (farm pond)	Shirakawashi City	2013/10/1	Cloudy	0.6	10	38	Silt/sand	1,600	3,800	5,400	Loamy	2,000	4,600	6,600	0.45	
			2013/12/3	Sunny	0.3	6	69	Silt	900	2,100	3,000	Loamy	1,400	3,300	4,700	0.43	
52	Hokkawa Dam	Nishigomura Village	2013/10/1	Sunny	25.7	10	28	Silt	870	2,100	2,970	Loamy	2,800	6,300	9,100	0.37	
			2013/12/2	Cloudy	30.0	8	28	Silt	2,200	5,400	7,600	Loamy	970	2,400	3,370	0.32	
53	Nanko Lake	Ogurogawa River Estuary	2013/10/1	Sunny	1.1	10	14	Silt	1,900	4,000	5,900	Loamy	53	120	173	0.11	
			2013/12/2	Cloudy	1.2	10	15	Silt	870	2,000	2,870	Sandy/loamy	64	150	214	0.11	

\* 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 are listed from north to south.

• 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.



○Lake and Headwater (Fukushima Prefecture, Aizu Area): Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Point	Municipality				Sampling depth (m)	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium		
											Cs-134	Cs-137	
54	Nicchu Dam	Kitakatashi City	2013/10/10	Cloudy	37	0.5	2.5	11	<1	2	<1	<1	
						36.0		27	1	2	<1	<1	
			2013/12/5	Cloudy	39	0.5	3.9	9	2	2	<1	<1	
						38.0		10	2	2	<1	<1	
55	Soharako Lake	Kitashioharamura Village	2013/10/2	Cloudy	6	0.5	4.5	4	<1	1	<1	<1	
						5.0		4	<1	1	<1	<1	
			2013/11/6	Cloudy	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
						-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
56	Hibarako Lake	Kitashioharamura Village	2013/10/2	Cloudy	21	0.5	4.0	5	<1	1	<1	<1	
						20.0		5	2	3	<1	<1	
			2013/11/6	Sunny	22	0.5	2.0	5	2	2	<1	<1	
						21.0		6	5	5	<1	<1	
			2013/12/5	Cloudy	23.3	0.5	3.8	5	1	1	<1	<1	
						22.3		6	1	1	<1	<1	
57	Onogawako Lake	Kitashioharamura Village	2013/10/2	Cloudy	13.5	0.5	4.5	6	2	1	<1	<1	
						12.5		6	1	1	<1	<1	
			2013/11/20	Cloudy	11.6	0.5	3.0	5	3	2	<1	<1	
						10.6		5	2	2	<1	<1	
			2013/12/5	Cloudy	13.8	0.5	3.8	5	1	2	<1	<1	
						12.8		5	1	2	<1	<1	
58	Akimotoko Lake	Inawashiro Town	2013/10/7	Sunny	31	0.5	4.5	5	<1	1	<1	<1	
						30.0		5	1	2	<1	<1	
			2013/11/20	Cloudy	31.8	0.5	3.0	5	2	2	<1	<1	
						30.8		5	2	2	<1	<1	
			2013/12/4	Sunny	32.6	0.5	3.5	5	2	2	<1	<1	
						31.6		5	2	2	<1	<1	
59	Bishamonnuma Lake	Kitashioharamura Village	2013/10/7	Sunny	8	0.5	6.5	68	<1	1	<1	<1	
						7.0		68	<1	1	<1	<1	
			2013/12/4	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
						-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
60	Oguninuma Lake	Kitashioharamura Village	2013/10/28	Cloudy	4.5	0.5	1.5	2	4	4	<1	<1	
						3.5		2	4	4	<1	<1	
			2013/12/6	Cloudy	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
						-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
61	Aizu (farm pond)	Onuma Lake	Nishiazumachi Town	2013/10/7	Sunny	1.4	0.0	0.5	6	3	3	<1	<1
							-		-	-	-	-	-
				2013/12/2	Cloudy	0.8	0.0	0.5	6	5	3	<1	<1
							-		-	-	-	-	-

Sampling point				Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Point	Municipality	Sampling depth (m)				Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium			
											Cs-134	Cs-137		
62	Center of the lake	Aizuwakamatsushi City	Surface layer	2013/10/3	Cloudy	96	0.5	9.0	11	<1	0	<1	<1	
			Lower layer			95.0			12	<1	0	<1	<1	
			Surface layer	2013/11/7	Cloudy	96.5	0.5	12.0	11	<1	0	<1	<1	
			Lower layer			95.5			12	<1	1	<1	<1	
			Surface layer	2013/12/9	Sunny	97	0.5	14.5	11	<1	0	<1	<1	
			Lower layer			96.0			12	<1	0	<1	<1	
63	Takahashigawa River Estuary		Surface layer	2013/10/3	Cloudy	2	0.0	>2.0	12	2	1	<1	<1	Collected only from the surface layer due to shallow wat
			Lower layer			-			-	-	-	-	-	
			Surface layer	2013/12/9	Sunny	1.5	0.0	>1.5	11	<1	0	<1	<1	
			Lower layer			-			-	-	-	-	-	Collected only from the surface layer due to shallow wat
64	Ogurogawa River Estuary		Surface layer	2013/10/3	Cloudy	1	0.0	>1.0	13	<1	1	<1	<1	Collected only from the surface layer due to shallow wat
			Lower layer			-			-	-	-	-	-	
			Surface layer	2013/12/9	Sunny	1.2	0.0	>1.2	11	<1	0	<1	<1	
			Lower layer			-			-	-	-	-	-	Collected only from the surface layer due to shallow wat
65	Tenjinhama Beach	Inawashiro Town	Surface layer	2013/10/3	Cloudy	1.5	0.0	>1.5	14	3	1	<1	<1	Collected only from the surface layer due to shallow wat
			Lower layer			-			-	-	-	-	-	
			Surface layer	2013/12/9	Sunny	1.5	0.0	>1.5	11	<1	1	<1	<1	
			Lower layer			-			-	-	-	-	-	Collected only from the surface layer due to shallow wat
66	Hishinumagawa River Estuary		Surface layer	2013/10/3	Cloudy	1.5	0.0	>1.5	11	<1	0	<1	<1	Collected only from the surface layer due to shallow wat
			Lower layer			-			-	-	-	-	-	
			Surface layer	2013/12/9	Sunny	1.5	0.0	>1.5	11	<1	0	<1	<1	
			Lower layer			-			-	-	-	-	-	Collected only from the surface layer due to shallow wat
67	Intake of Asakasosui		Surface layer	2013/10/3	Cloudy	3.5	0.5	>3.5	11	<1	1	<1	<1	
			Lower layer			2.5			11	<1	0	<1	<1	
			Surface layer	2013/11/7	Cloudy	4.5	0.5	>4.5	11	<1	0	<1	<1	
			Lower layer			3.5			11	<1	0	<1	<1	
			Surface layer	2013/12/9	Sunny	3.9	0.5	>3.9	11	<1	0	<1	<1	
			Lower layer			2.9			11	<1	1	<1	<1	
68	Hamajihama Beach		Surface layer	2013/10/3	Cloudy	4.5	0.5	>4.5	11	<1	0	<1	<1	
			Lower layer			3.5			11	<1	0	<1	<1	
			Surface layer	2013/12/9	Sunny	4.5	0.5	>4.5	11	<1	0	<1	<1	
			Lower layer			3.5			11	<1	0	<1	<1	
69	Funatsu Port		Surface layer	2013/10/3	Cloudy	5.5	0.5	>5.5	12	<1	0	<1	<1	
			Lower layer			4.5			11	<1	1	<1	<1	
			Surface layer	2013/12/9	Sunny	6.3	0.5	>6.3	11	<1	0	<1	<1	
			Lower layer			5.3			11	<1	0	<1	<1	
70	Offshore of Funatsugawa River Estuary		Surface layer	2013/10/3	Cloudy	2	0.5	>2.0	11	<1	0	<1	<1	
			Lower layer			1.0			11	<1	0	<1	<1	
			Surface layer	2013/12/9	Sunny	3.2	0.5	>3.2	11	<1	0	<1	<1	
			Lower layer			2.2			11	<1	0	<1	<1	
71	Seishogahama Beach		Surface layer	2013/10/3	Cloudy	6	0.5	>6.0	11	<1	1	<1	<1	
			Lower layer			5.0			11	<1	0	<1	<1	
			Surface layer	2013/12/9	Sunny	7.3	0.5	>7.3	11	<1	0	<1	<1	
			Lower layer			6.3			11	<1	0	<1	<1	
72	Haragawa River Estuary	Aizuwakamatsushi City	Surface layer	2013/10/3	Cloudy	17	0.5	9.0	11	<1	0	<1	<1	
			Lower layer			16.0			11	<1	1	<1	<1	
			Surface layer	2013/12/9	Sunny	18	0.5	14.5	11	<1	0	<1	<1	
			Lower layer			17.0			11	<1	0	<1	<1	
73	Koishigahama Floodgate	Inawashiro Town	Surface layer	2013/10/3	Cloudy	4.5	0.5	>4.5	11	<1	0	<1	<1	
			Lower layer			3.5			11	<1	0	<1	<1	
			Surface layer	2013/11/7	Cloudy	5.3	0.5	>5.3	11	<1	0	<1	<1	
			Lower layer			4.3			11	<1	0	<1	<1	
			Surface layer	2013/12/9	Sunny	5.6	0.5	>5.6	11	<1	0	<1	<1	
			Lower layer			4.6			11	<1	0	<1	<1	

Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks	
No.	Point	Municipality				Sampling depth (m)	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium			
											Cs-134	Cs-137		
74	Higashiyama Dam Reservoir	Aizuwakamatsushi City	Surface layer	2013/10/28	Sunny	40.5	0.5	1.0	4	4	4	<1	<1	
			Lower layer				39.5		5	5	4	<1	<1	
			Surface layer	2013/12/6	Cloudy	37.1	0.5	3.0	4	1	1	<1	<1	
			Lower layer				36.1	6	3	5	<1	<1		
75	Center of the lake	Kaneyamamachi Town	Surface layer	2013/10/25	Cloudy	92	0.5	8.5	5	<1	1	<1	<1	
			Lower layer				91.0	5	<1	1	<1	<1		
			Surface layer	2013/12/10	Cloudy	93	0.5	5.0	5	1	2	<1	<1	
			Lower layer				92.0	5	<1	0	<1	<1		
76	Numazawako Lake	Kaneyamamachi Town	Surface layer	2013/10/25	Cloudy	30	0.5	8.5	5	1	2	<1	<1	
			Lower layer				29.0	5	<1	0	<1	<1		
			Surface layer	2013/12/10	Cloudy	30	0.5	5.0	5	1	1	<1	<1	
			Lower layer				29.0	5	1	1	<1	<1		
77	Offshore of Maenosawagawa River Estuary	Kaneyamamachi Town	Surface layer	2013/10/25	Cloudy	4.7	0.5	>4.7	5	1	2	<1	<1	
			Lower layer				3.7	5	<1	1	<1	<1		
			Surface layer	2013/12/10	Cloudy	5	0.5	>5.0	5	1	1	<1	<1	
			Lower layer				4.0	6	1	1	<1	<1		
78	Aizu (farm pond)	Terairi	Surface layer	2013/10/7	Sunny	0.5	0.0	>0.5	5	2	3	<1	<1	
			Lower layer				-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/12/2	Cloudy	0.3	0.0	>0.3	5	3	3	<1	<1	
			Lower layer				-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
79	Okawa Dam Reservoir	Aizuwakamatsushi City	Surface layer	2013/10/9	Sunny	10	0.5	3.0	8	<1	1	<1	<1	
			Lower layer				9.0	7	36	10	<1	<1		
			Surface layer	2013/12/4	Cloudy	8.5	0.5	4.5	7	<1	1	<1	<1	
			Lower layer				7.5	7	2	1	<1	<1		
80	Tagokura Reservoir	Tadamimachi Town	Surface layer	2013/10/8	Sunny	92	0.5	3.5	3	2	1	<1	<1	
			Lower layer				91.0	3	2	1	<1	<1		
			Surface layer	2013/12/3	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			Lower layer				-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
81	Minamiaizu (farm pond)	Fukui	Surface layer	2013/10/8	Cloudy	1	0.0	>1.0	4	1	1	<1	<1	
			Lower layer				-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/12/3	Cloudy	0.8	0.0	>0.8	3	<1	1	<1	<1	
			Lower layer				-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
82	Tajima Dam Reservoir (Funehana Lake)	Minamiaizumachi Town	Surface layer	2013/10/9	Cloudy	17.5	0.5	2.5	4	<1	1	<1	<1	
			Lower layer				16.5	6	8	7	<1	<1		
			Surface layer	2013/12/4	Cloudy	17.5	0.5	3.5	3	<1	1	<1	<1	
			Lower layer				16.5	3	1	1	<1	<1		
83	Okutadami Reservoir	Tadamimachi Town	Surface layer	2013/10/4	Cloudy	18.6	0.5	2.7	3	5	1	<1	<1	
			Lower layer				17.6	3	2	1	<1	<1		
			Surface layer	2013/11/1	Sunny	23	0.5	3.3	3	2	1	<1	<1	
			Lower layer				22.0	3	2	1	<1	<1		
84	Ozenuma Lake	Hinoemamura Village	Surface layer	2013/10/1	Cloudy	8	0.5	2.5	3	<1	2	<1	<1	
			Lower layer				7.0	3	2	2	<1	<1		
			Surface layer	2013/10/23	Cloudy	8.7	0.5	2.5	3	2	2	<1	<1	
			Lower layer				7.7	3	3	2	<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.

○Lake and Headwater (Fukushima Prefecture, Aizu Area): Sediment and Surrounding Environment Monitoring Results

Sampling point			Sampling date	Weather	Full depth (m)	Sediment						Surrounding environment (lake shore)					Remarks
						General items			Concentration of radioactive material [Bq/kg (dried mud)]			Soil					
						Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium			Property	Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)	
Cs-134	Cs-137	Total	Cs-134	Cs-137	Total												
54	Nicchu Dam	Kitakatashi City	2013/10/10	Cloudy	37.0	5	35	Silt/clay	980	2,300	3,280	Loamy	18	54	72	0.12	
			2013/12/5	Cloudy	39.0	5	27	Silt/clay	490	1,100	1,590	Loamy	57	160	217	0.12	
55	Soharako Lake		2013/10/2	Cloudy	6.0	5	27	Silt	260	690	950	Loamy	720	1,600	2,320	0.11	
			-	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
56	Hibarako Lake	Kitashiobaramura Village	2013/10/2	Cloudy	21.0	5	28	Silt	160	410	570	Loamy	460	1,200	1,660	0.14	
			2013/11/6	Sunny	22.0	5	20	Silt	150	390	540	Loamy	160	430	590	0.15	
57	Onogawako Lake		2013/12/5	Cloudy	23.3	5	22	Silt	370	1,100	1,470	-	-	-	-	-	Unable to collect soil due to snow on the ground
			2013/10/2	Cloudy	13.5	5	27	Silt	60	150	210	Loamy	470	1,100	1,570	0.20	
58	Akimotoko Lake	Inawashiro Town	2013/11/20	Cloudy	11.6	5	29	Silt	270	770	1,040	Loamy	110	240	350	0.18	
			2013/12/5	Cloudy	13.8	5	27	Silt	92	190	282	-	-	-	-	-	Unable to collect soil due to snow on the ground
59	Bishamonnuma Lake	Kitashiobaramura Village	2013/10/7	Sunny	31.0	5	35	Silt	400	870	1,270	Loamy	110	270	380	0.14	
			2013/11/20	Cloudy	31.8	5	34	Silt	700	1,600	2,300	Loamy	94	230	324	0.11	
60	Oguninuma Lake	Kitashiobaramura Village	2013/12/4	Sunny	32.6	5	34	Silt	120	330	450	Loamy	1,300	3,000	4,300	0.12	
			2013/10/7	Sunny	8.0	5	10	Silt	970	2,600	3,570	Loamy	690	1,600	2,290	0.13	
61	Aizu (farm pond)	Onuma Lake	2013/12/4	Sunny	-	-	-	-	-	-	-	Loamy	680	1,600	2,280	0.11	Unable to collect mud due to snow on the ground
			2013/10/28	Cloudy	4.5	5	13	Silt	380	920	1,300	Loamy	160	350	510	0.08	
62	Center of the lake	Aizuwakamatsushi City	2013/12/6	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/10/7	Sunny	1.4	3	28	Sand/silt	220	520	740	Sandy/loamy	<10	13	13	0.05	
63	Takahashigawa River Estuary	Inawashiro Lake	2013/12/2	Cloudy	0.8	3	23	Sand/silt	360	870	1,230	Loamy	28	54	82	0.06	
			2013/10/3	Cloudy	96.0	5	20	Silt	65	150	215	-	-	-	-	-	Mud sampling points not determined
64	Ogurogawa River Estuary	Inawashiro Lake	2013/11/7	Cloudy	96.5	5	20	Silt	19	80	99	-	-	-	-	-	Mud sampling points not determined
			2013/12/9	Sunny	97.0	5	19	Silt	67	170	237	-	-	-	-	-	Mud sampling points not determined
65	Tenjinama Beach	Inawashiro Lake	2013/10/3	Cloudy	2.0	5	76	Sand/silt	37	110	147	Sandy	63	150	213	0.10	
			2013/12/9	Sunny	1.5	5	33	Sand/silt	43	110	153	Sandy	55	140	195	0.09	
66	Hishinmagawa River Estuary	Inawashiro Lake	2013/10/3	Cloudy	1.0	5	74	Sand/gravel	33	97	130	Loamy	350	730	1,080	0.11	
			2013/12/9	Sunny	1.2	5	77	Sand/gravel	29	85	114	Loamy	150	360	510	0.09	
67	Intake of Asakasosui	Inawashiro Lake	2013/10/3	Cloudy	1.5	5	73	Sand	47	110	157	Sandy	29	80	109	0.05	
			2013/12/9	Sunny	1.5	5	72	Sand	30	75	105	Sandy	24	63	87	0.06	
68	Hamajihama Beach	Inawashiro Lake	2013/10/3	Cloudy	1.5	5	79	Sand/gravel	25	57	82	Sandy	<10	24	24	0.06	
			2013/12/9	Sunny	1.5	5	78	Sand/gravel	19	41	60	Sandy	<10	29	29	0.05	
69	Funatsu Port	Koriyamashi City	2013/10/3	Cloudy	3.5	5	75	Sand	54	140	194	Loamy	76	170	246	0.13	
			2013/11/7	Cloudy	4.5	5	72	Sand	63	200	263	Loamy	110	250	360	0.13	
70	Offshore of Funatsugawa River Estuary	Koriyamashi City	2013/12/9	Sunny	3.9	5	66	Sand	56	160	216	Loamy	120	280	400	0.11	
			2013/10/3	Cloudy	4.5	5	73	Sand	65	140	205	Loamy	190	450	640	0.10	
71	Seishogahama Beach	Koriyamashi City	2013/12/9	Sunny	4.5	5	70	Sand	58	170	228	Loamy	160	430	590	0.08	
			2013/10/3	Cloudy	5.5	5	74	Sand	29	78	107	Sandy	25	53	78	0.09	
72	Haragawa River Estuary	Aizuwakamatsushi City	2013/12/9	Sunny	6.3	5	70	Sand	44	94	138	Sandy	42	130	172	0.08	
			2013/10/3	Cloudy	2.0	5	77	Sand	30	62	92	Loamy	74	180	254	0.09	
73	Koishigahama Floodgate	Inawashiro Town	2013/12/9	Sunny	3.2	5	75	Sand	18	52	70	Loamy	61	160	221	0.09	
			2013/10/3	Cloudy	6.0	5	64	Sand	130	290	420	Sandy	21	52	73	0.07	
74	Higashiyama Dam Reservoir	Aizuwakamatsushi City	2013/12/9	Sunny	7.3	5	42	Sand	160	390	550	Sandy	31	87	118	0.06	
			2013/10/3	Cloudy	17.0	5	44	Sand/silt	250	510	760	Sandy	110	260	370	0.13	
75	Ogurogawa River Estuary	Aizuwakamatsushi City	2013/12/9	Sunny	18.0	5	47	Sand/silt	280	550	830	Sandy	35	94	129	0.12	
			2013/10/3	Cloudy	4.5	5	37	Silt/sand	35	76	111	Loamy	310	800	1,110	0.12	
76	Numazawako Lake	Kaneyamamachi Town	2013/11/7	Cloudy	5.3	5	33	Silt/sand	41	92	133	Loamy	130	320	450	0.11	
			2013/12/9	Sunny	5.6	5	40	Silt/sand	91	270	361	Loamy	190	540	730	0.11	
77	Offshore of Maenosawagawa River Estuary	Kaneyamamachi Town	2013/10/28	Sunny	40.5	5	23	Silt	160	440	600	Loamy	180	430	610	0.12	
			2013/12/6	Cloudy	37.1	5	24	Silt	610	1,500	2,110	Loamy	260	640	900	0.13	
78	Aizu (farm pond)	Terairi	2013/10/25	Cloudy	92.0	5	18	Silt	<10	62	62	Loamy	110	250	360	0.11	
			2013/12/10	Cloudy	93.0	5	21	Silt	31	190	221	Loamy	140	300	440	0.12	
79	Okawa Dam Reservoir	Aizuwakamatsushi City	2013/10/25	Cloudy	30.0	5	28	Silt	13	64	77	-	-	-	-	-	Mud sampling points not determined
			2013/12/10	Cloudy	30.0	5	34	Silt	28	75	103	-	-	-	-	-	Mud sampling points not determined
80	Tagokura Reservoir	Tadamimachi Town	2013/10/25	Cloudy	4.7	5	75	Sand	23	56	79	-	-	-	-	-	Mud sampling points not determined
			2013/12/10	Cloudy	5.0	5	75	Sand/gravel	16	38	54	-	-	-	-	-	Mud sampling points not determined
81	Minamiaizu (farm pond)	Fukui	2013/10/7	Sunny	0.5	5	65	Sand/silt	45	97	142	Loamy	210	480	690	0.08	
			2013/12/2	Cloudy	0.3	5	67	Silt/sand	39	78	117	Loamy	26	61	87	0.09	
82	Tajima Dam Reservoir (Funchanako Lake)	Minamiaizumachi Town	2013/10/9	Cloudy	10.0	5	34	Silt/clay	240	500	740	Loamy	74	190	264	0.07	
			2013/12/4	Cloudy	8.5	1	33	Silt/clay	86	200	286	Loamy	90	220	310	0.07	
83	Okutadami Reservoir	Tadamimachi Town	2013/10/8	Sunny	92.0	5	32	Silt	400	890	1,290	Loamy	170	430	600	0.09	
			2013/12/3	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
84	Ozenuma Lake	Hinoemataura Village	2013/10/8	Cloudy	1.0	5	56	Silt/clay	<10	28	28	Clay-loamy	34	82	116	0.10	
			2013/12/3	Cloudy	0.8	1	57	Silt/clay	11	28	39	Clay-loamy	20	37	57	0.10	

\* 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 are listed from north to south.

\* 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.

# ○Coast: Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Full depth (m)						Radioactive material concentrations (Bq/L)		Remarks
No.	Water body						Sampling depth (m)	Secchi disk depth (m)	Salinity (‰)	SS (mg/L)	Turbidity	Radioactive cesium		
												Cs-134	Cs-137	
1	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	Surface layer	2013/12/10	Cloudy	15.0	0.5	6.5	29	2	1	<1	<1	
			Lower layer				14.0							29
2	Matsukawaura sea area	Around center of Fishing Right Area-1	Surface layer	2013/12/10	Cloudy	2.1	0.5	>2.1	27	1	1	<1	<1	
			Lower layer				1.1							29
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	Surface layer	2013/12/11	Sunny	20.1	0.5	3.1	29	6	2	<1	<1	
			Lower layer				19.1							29
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	Surface layer	2013/12/12	Sunny	8.1	0.5	1.5	29	27	8	<1	<1	
			Lower layer				7.1							29
5	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Otagawa River	Surface layer	2013/12/11	Sunny	11.2	0.5	2.2	29	6	3	<1	<1	
			Lower layer				10.2							29
6	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Odakagawa River	Surface layer	2013/12/11	Sunny	11.4	0.5	3.1	29	3	2	<1	<1	
			Lower layer				10.4							29
7	Neighboring sea area of Soso District	Approx. 2,000 m offshore of Ukedogawa River	Surface layer	2013/12/12	Sunny	17.6	0.5	1.8	29	11	4	<1	<1	
			Lower layer				16.6							30
8	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Kumagawa River	Surface layer	2013/12/6	Sunny	12.2	0.5	5.8	29	2	1	<1	<1	
			Lower layer				11.2							30
9	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Tomiokagawa River	Surface layer	2013/12/6	Sunny	11.2	0.5	2.2	29	6	3	<1	<1	
			Lower layer				10.2							30
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	Surface layer	2013/12/12	Sunny	9.8	0.5	2.0	29	9	3	<1	<1	
			Lower layer				8.8							29
11	Approx. 1,000 m offshore of Asamigawa River Estuary		Surface layer	2013/12/12	Sunny	11.0	0.5	2.5	29	8	2	<1	<1	
			Lower layer				10.0							30
12	Approx. 1,000 m offshore of Ohisagawa River Estuary		Surface layer	2013/12/12	Sunny	12.5	0.5	2.5	30	10	2	<1	<1	
			Lower layer				11.5							30
13	Ogurogawa River Estuary	Approx. 1,500 m offshore of Natsuigawa River	Surface layer	2013/12/13	Sunny	17.5	0.5	7.5	30	2	1	<1	<1	
			Lower layer				16.5							29
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	Surface layer	2013/12/13	Sunny	17.0	0.5	3.5	28	2	1	<1	<1	
			Lower layer				16.0							30
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	Surface layer	2013/12/13	Sunny	17.5	0.5	5.5	30	3	1	<1	<1	
			Lower layer				16.5							30

• Sampling points are listed from north to south.

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

## ○Coast: Sediment Monitoring Results

Sampling point		Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks
No.	Water body				Mud sampling depth (cm)	Mud content (%)	Property	Radioactive cesium			
								Cs-134		Total	
1	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	2013/12/10	Cloudy	15.0	10	73	Sand	<10	<10	-
2	Matsukawaura sea area	Around center of Fishing Right Area-1	2013/12/10	Cloudy	2.1	10	76	Sand/silt	12	33	45
3	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	2013/12/11	Sunny	20.1	10	77	Sand/silt	<10	16	16
4	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	2013/12/12	Sunny	8.1	10	80	Sand/silt	15	33	48
5		Approx. 1,000 m offshore of Otagawa River	2013/12/11	Sunny	11.2	10	76	Sand	14	37	51
6	Neighboring sea area of Soso District	Approx. 1,000 m offshore of Odakagawa River	2013/12/11	Sunny	11.4	10	74	Sand	18	41	59
7		Approx. 2,000 m offshore of Ukedogawa River	2013/12/12	Sunny	17.6	10	61	Silt/sand	250	620	870
8		Approx. 1,000 m offshore of Kumagawa River	2013/12/6	Sunny	12.2	10	75	Sand	150	350	500
9		Approx. 1,000 m offshore of Tomiokagawa River	2013/12/6	Sunny	11.2	10	78	Sand/silt	150	370	520
10	Neighboring sea area of Narahamachi Town	Approx. 1,000 m offshore of Kidogawa River	2013/12/12	Sunny	9.8	10	71	Sand	80	210	290
11	Approx. 1,000 m offshore of Asamigawa River Estuary		2013/12/12	Sunny	11.0	10	75	Sand	52	150	202
12	Approx. 1,000 m offshore of Ohisagawa River Estuary		2013/12/12	Sunny	12.5	10	75	Sand	29	71	100
13	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	2013/12/13	Sunny	17.5	10	76	Sand	15	38	53
14	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	2013/12/13	Sunny	17.0	10	49	Silt	160	400	560
15	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	2013/12/13	Sunny	17.5	10	68	Sand	65	140	205

• Sampling points are listed from north to south.

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



