

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

<Simultaneously released to the Fukushima Prefecture Press Club>

Friday, March 29, 2013
Water Environment Division,
Environment Management Bureau,
Ministry of the Environment
Direct line: 03-5521-8316
Switchboard: 03-3581-3351
Director: Tadashi Kitamura (ext. 6610)
Deputy Director: Tetsuo Furuta (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 December 3, 2012-March 13, 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

216 environmental reference points, etc. in the surface water bodies within Fukushima Prefecture
(Rivers: 123 locations, Lakes and headwaters: 81 locations, Coasts: 12 locations)

(2) Survey Method

- Measurement of concentrations of radioactive materials (radioactive cesium (Cs-134 and Cs-137), etc.) 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 (September-November 2012))

(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-2Bq/L)

(Lakes and headwaters)

Cs-134 + Cs-137: ND-100Bq/L (* ND-60Bq/L)

(Coasts)

Cs-134 + Cs-137: ND at any location (* ND at any location)

<Reference>

Specification and Standards for Food, Food Additives, etc. in accordance with the Food Sanitation Act

(Drinking Water) (Ministry of Health, Labour and Welfare Public Notice No.130, March 15, 2012)
Radioactive cesium (total for Cs-134+Cs-137): 10Bq/kg

Target value for radioactive materials in tap water (management target for water supply facilities) (March 5, 2012; 0305 Notice No.1 from the Director of the Water Supply Division, Health Service Bureau, Ministry of Health, Labour and Welfare)
Radioactive cesium (total for Cs-134+Cs-137): 10Bq/kg

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

At the majority of locations in rivers, and lakes and headwaters, the levels were around 2,000Bq/kg or below (coasts: 1,000Bq/kg), but 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 coasts have generally declined or remained constant, and in lakes and headwaters had some variation in the fluctuation; in particular, although substantial fluctuations could be seen at some locations, such as the area around the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station, no major increases were observed overall.

(Rivers)

Cs-134 + Cs-137: ND-23,700Bq/kg (dried mud) (*ND-17,400Bq/kg (dried mud))

(Lakes and headwaters)

Cs-134 + Cs-137: 33-560,000Bq/kg (dried mud) (*ND-780,000Bq/kg (dried mud))

(Coasts)

Cs-134 + Cs-137: ND-1,110Bq/kg (dried mud) (*ND-730Bq/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)	28 (19)	15 (6)	4 (3)	6 (3)	16 (12)	274 (193)
Lakes and headwaters	55 (71)	10 (20)	10 (11)	4 (10)	5 (7)	42 (67)	126 (186)
Coasts	45 (33)	1 (0)	-	-	-	-	46 (33)

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

(Rivers)

Cs-134 + Cs-137: ND-203,000Bq/kg (dry) (*11-151,000Bq/kg (dry))

Spatial dose: 0.05-11.12μSv/h

(Lakes and headwaters)

Cs-134 + Cs-137: 35-680,000Bq/kg (dry) (*21-1,050,000Bq/kg (dry))

Spatial dose: 0.06-47.00μSv/h

(Annex for details)
(Map attached)

Future Plans

MOE intends to continue to measure radioactive materials in water, sediment, etc. in rivers, lakes, etc. in FY2013, 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

Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
No.	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2012/12/18	Cloudy	0.30	0.0	>100	4,750	6	2	<1	<1	<1	
				2013/1/15	Sunny	0.30	0.0	75	4,530	9	4	<1	<1	<1	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2012/12/17	Cloudy	0.30	0.0	>100	49	4	2	<1	<1	<1	
3		Hyakkenbashi Bridge		2013/1/15	Snow	0.30	0.0	>100	92	4	3	<1	<1	<1	
	2012/12/17			Cloudy	2.10	0.0	72	4,080	7	2	<1	<1	<1		
4	Horisakabashi Bridge	2013/1/17		Sunny	1.10	0.0	43	3,350	17	11	<1	<1	<1		
		2012/12/17		Cloudy	0.30	0.0	>100	25	<1	1	<1	<1	<1		
5	Udagawa River	Hyakkenbashi Bridge		2013/1/15	Sunny	0.40	0.0	>100	35	<1	1	<1	<1	<1	
				2012/12/17	Cloudy	1.50	0.0	60	621	3	1	<1	<1	<1	
6	Manogawa River	Ochiaibashi Bridge		2013/1/17	Sunny	1.00	0.0	72	1,332	3	2	<1	<1	<1	
				2013/2/11	Cloudy	0.50	0.0	32	3,270	41	13	<1	<1	<1	
7	Majimabashi Bridge	Minamisomashi City		2012/12/17	Cloudy	0.90	0.0	>100	30	<1	0	<1	<1	<1	
			2013/1/15	Sunny	1.10	0.0	>100	17	<1	1	<1	<1	<1		
8	Kusano	Itatemura Village	2012/12/20	Sunny	0.30	0.0	76	4,750	6	2	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
			2013/1/15	Sunny	0.40	0.0	73	4,320	11	6	<1	<1	<1		
9	Komiya	Niidagawa River	2012/12/25	Snow	0.60	0.0	>100	8	4	1	<1	<1	<1	Living-restricted areas	
			2013/2/11	Cloudy	0.30	0.0	>100	11	<1	1	<1	<1	<1		
10	Kidouchibashi Bridge		2012/12/25	Snow	0.50	0.0	>100	8	<1	1	<1	<1	<1		
			2013/2/12	Sunny	0.50	0.0	>100	22	1	1	<1	<1	<1		
11	Sakekawabashi Bridge		2012/12/20	Sunny	0.30	0.0	>100	27	<1	0	<1	<1	<1		
			2013/1/15	Sunny	0.80	0.0	>100	8	<1	1	<1	<1	<1		
12	Ishiwatadobashi Bridge		2012/12/20	Cloudy	0.20	0.0	>100	965	1	1	<1	<1	<1		
			2013/1/15	Sunny	0.40	0.0	68	544	3	2	<1	<1	<1		
13	Kaminouchihashi Bridge		2012/12/20	Sunny	0.60	0.0	>100	8	<1	0	<1	<1	<1		
			2013/1/15	Sunny	0.30	0.0	>100	7	<1	1	<1	<1	<1		
14	Masudabashi Bridge		2012/12/20	Cloudy	0.40	0.0	>100	11	<1	0	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
			2013/1/16	Sunny	0.40	0.0	>100	10	<1	0	<1	<1	<1		
15	JR Tetsudobashi Bridge		2012/12/20	Cloudy	0.85	0.0	>100	13	<1	1	<1	<1	<1		
			2013/1/16	Sunny	0.20	0.0	>100	11	<1	0	<1	<1	<1		
16	Maruyamabashi Bridge		2012/12/20	Cloudy	0.15	0.0	>100	21	<1	1	<1	<1	<1		
			2013/1/16	Sunny	0.20	0.0	>100	11	2	2	<1	<1	<1		
17	Shimokawarabashi Bridge		2012/12/20	Sunny	0.20	0.0	95	3,230	7	4	<1	<1	<1		
			2013/1/16	Sunny	0.20	0.0	31	3,520	25	10	<1	<1	<1		
18	Zenchobashi Bridge		2012/12/17	Cloudy	0.30	0.0	>100	31	1	1	<1	<1	<1		
			2013/1/16	Sunny	0.20	0.0	>100	19	<1	0	<1	<1	<1	Evacuation order lifting preparation areas	
19	Hatsukarabashi Bridge		2012/12/17	Sunny	0.50	0.0	>100	39	<1	1	<1	<1	<1		
			2013/1/17	Sunny	0.40	0.0	>100	18	<1	1	<1	<1	<1		
20	Muroharabashi Bridge		2012/12/17	Cloudy	0.70	0.0	>100	3,920	4	2	<1	<1	<1		
			2013/1/16	Sunny	0.50	0.0	29	5,380	26	10	<1	<1	<1		
21	Ukedobashi Bridge		2012/12/4	Cloudy	0.20	0.0	>100	8	<1	2	<1	<1	<1		
			2012/12/27	Sunny	0.40	0.0	>100	8	<1	1	<1	<1	<1		
22	Before the confluence with Takasegawa River (Miyakojimachi Town furumichishitadaira)		2013/1/16	Sunny	0.30	0.0	>100	9	<1	0	<1	<1	<1		
			2013/2/5	Sunny	0.40	0.0	>100	8	<1	1	<1	<1	<1		
23	Ukedogawa River		2012/12/5	Sunny	0.20	0.0	>100	10	2	2	<1	<1	<1	Restricted areas	
			2012/12/26	Sunny	0.50	0.0	>100	11	<1	1	<1	<1	<1		
24			2013/1/16	Sunny	0.30	0.0	>100	46	<1	1	<1	<1	<1		
			2013/2/5	Sunny	0.20	0.0	>100	53	7	2	<1	<1	<1		
25	Furumichigawa River		2012/12/26	Sunny	0.50	0.0	>100	10	<1	1	<1	<1	<1	Evacuation order lifting preparation areas	
			2013/1/22	Cloudy	0.50	0.0	70	10	4	2	<1	<1	<1		

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

Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks				
No.	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137						
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/12/26	Sunny	0.40	0.0	>100	8	<1	1	<1	<1	Restricted areas					
				2013/2/5	Sunny	0.50	0.0	>100	9	<1	1	<1	<1		<1				
24	Maedagawa River	National Route 6, west	Futabamachi Town	2012/12/18	Cloudy	0.60	0.0	>100	15	5	2	<1	<1	<1	Restricted areas				
				2013/1/15	Sunny	0.75	0.0	>100	13	1	2	<1	<1	<1					
25		Nakahamabashi Bridge	Namiemachi Town	2012/12/26	Sunny	1.20	0.0	85	373	2	2	<1	<1	<1					
				2013/1/15	Sunny	1.50	0.0	69	2,500	6	4	<1	<1	<1					
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/12/18	Cloudy	0.25	0.0	>100	9	<1	0	<1	<1	<1	Living-restricted areas				
2013/1/17				Sunny	0.30	0.0	>100	10	3	1	<1	<1	<1						
27		Mikumabashi Bridge		Okumamachi Town	2012/12/18	Sunny	0.20	0.0	>100	10	<1	1	<1	<1	<1	Difficult-to-return areas			
					2013/1/15	Snow	0.60	0.0	>100	13	2	1	<1	<1	<1				
28	Tomiokagawa River	Nabekurabashi Bridge	Kawauchimura Village	2012/12/27	Cloudy	0.40	0.0	>100	7	2	1	<1	<1	<1	Unable to collect samples due to snow on the ground				
				2013/1/16	Sunny	-	-	-	-	-	-	-	-	-		-			
				2013/2/6	Snow	0.20	0.0	>100	8	1	1	<1	<1	<1		<1			
				2013/3/7	Sunny	0.40	0.0	>100	7	<1	1	<1	<1	<1	<1	Evacuation order lifting preparation areas			
				2012/12/5	Sunny	0.20	0.0	>100	8	<1	0	<1	<1	<1	<1				
				2012/12/26	Sunny	0.20	0.0	>100	8	<1	1	<1	<1	<1	<1				
29		Sakaigawabashi Bridge		Kawauchimura Village	2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
					2013/2/6	Snow	0.30	0.0	>100	9	<1	0	<1	<1	<1	<1			
					2013/2/27	Cloudy	0.20	0.0	>100	7	6	2	<1	<1	<1	<1			
					30	National Route 6, west	Tomiokamachi Town	2012/12/26	Sunny	0.25	0.0	>100	10	<1	1	<1	<1	<1	Restricted areas
								2013/2/7	Sunny	0.45	0.0	>100	11	<1	1	<1	<1	<1	
					31	Kobamabashi Bridge		2012/12/26	Sunny	0.60	0.0	>100	12	<1	1	<1	<1	<1	
2013/2/7	Sunny	0.20	0.0	>100				14	5	1	<1	<1	<1	<1					
32	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2012/12/18	Cloudy	0.20	0.0	>100	10	<1	0	<1	<1	<1	Evacuation order lifting preparation areas				
				2013/2/7	Sunny	0.25	0.0	>100	12	<1	1	<1	<1	<1					
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatabashi Bridge)	Kawauchimura Village	2012/12/26	Sunny	0.20	0.0	>100	5	<1	1	<1	<1	<1					
				2013/2/6	Snow	0.10	0.0	>100	5	<1	0	<1	<1	<1					
34	Kidogawa River	Nishiyamabashi Bridge		2012/12/26	Sunny	0.60	0.0	>100	7	2	1	<1	<1	<1	<1	Former evacuation-prepared areas in case of emergency			
			2013/2/7	Sunny	0.60	0.0	>100	7	<1	1	<1	<1	<1	<1					
35		Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/12/19	Sunny	0.30	0.0	>100	7	<1	0	<1	<1	<1	Evacuation order lifting preparation areas			
					2013/2/7	Cloudy	0.30	0.0	>100	8	<1	1	<1	<1	<1				
36	Kidokawabashi Bridge		2012/12/19		Sunny	0.30	0.0	>100	6	<1	1	<1	<1	<1	<1				
			2013/2/7	Sunny	0.20	0.0	95	7	<1	1	<1	<1	<1	<1					
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2012/12/27	Sunny	0.20	0.0	>100	12	<1	0	<1	<1	<1	Former evacuation-prepared areas in case of emergency				
				2013/2/11	Sunny	0.20	0.0	>100	14	<1	0	<1	<1	<1					
38	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2013/1/8	Sunny	0.50	0.0	>100	42	2	1	<1	<1	<1					
				2013/2/14	Cloudy	0.50	0.0	>100	70	2	1	<1	<1	<1					
39	Kohisagawa River	Rengobashi Bridge		2013/1/8	Sunny	0.30	0.0	>100	27	1	1	<1	<1	<1					
				2013/2/14	Cloudy	0.30	0.0	>100	47	3	2	<1	<1	<1					
40	Niidagawa River	Kasumidabashi Bridge	Iwakishi City	2012/12/28	Cloudy	0.50	0.0	>100	57	<1	1	<1	<1	<1					
				2013/2/14	Cloudy	0.50	0.0	>100	27	1	1	<1	<1	<1	<1				
41		Matsubashi Bridge		2012/12/28	Cloudy	0.80	0.0	>100	931	3	2	<1	<1	<1	<1				
				2013/2/14	Cloudy	0.30	0.0	43	372	7	5	<1	<1	<1					
42	Natsugawa River	Kitanouchibashi Bridge	Onomachi Town	2013/1/11	Sunny	0.50	0.0	>100	15	2	1	<1	<1	<1					
				2013/2/11	Sunny	0.50	0.0	53	17	3	2	<1	<1	<1					
		Kyudayubashi Bridge	Iwakishi City	2013/1/8	Sunny	0.40	0.0	>100	7	<1	1	<1	<1	<1	<1				
43				2013/2/14	Cloudy	0.40	0.0	87	15	2	1	<1	<1	<1	<1				
	Rokujumaibashi Bridge	2013/1/8		Sunny	1.00	0.0	>100	11	6	3	<1	<1	<1	<1					
44		2013/2/11		Sunny	0.25	0.0	91	20	4	3	<1	<1	<1	<1					

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

Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks	
No.	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			
45	Yoshimagawa River	Iwaanatsuribashi Bridge	Iwakishi City	2013/1/8	Sunny	0.20	0.0	>100	6	<1	0	<1	<1	<1		
				2013/2/15	Cloudy	0.20	0.0	>100	12	<1	0	<1	<1	<1		
46		Before the confluence with Natsuigawa River		2012/12/19	Sunny	0.30	0.0	>100	22	<1	1	<1	<1	<1		
	Fujiwaragawa River			2013/1/21	Sunny	0.20	0.0	>100	20	3	2	<1	<1	<1		
47		Shimabashi Bridge		2013/1/9	Cloudy	0.40	0.0	56	910	7	4	<1	<1	<1	Sampling points changed to the side of lower reaches due to bridge construction	
				2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to bridge construction	
48		Minatoohashi Bridge		2013/1/11	Sunny	2.80	0.0	85	2,920	6	3	<1	<1	<1		
				2013/2/5	Sunny	2.70	0.0	69	4,260	9	2	<1	<1	<1		
49		Idosawabashi Bridge		2012/12/26	Sunny	0.50	0.0	>100	16	<1	1	<1	<1	<1		
		Samegawa River			2013/2/5	Sunny	3.00	0.0	>100	17	2	1	<1	<1	<1	
50				Samegawabashi Bridge	2013/1/7	Sunny	0.30	0.0	>100	243	3	3	<1	<1	<1	
					2013/2/6	Snow	0.30	0.0	>100	3,440	1	1	<1	<1	<1	
51		Shitokigawa River		Komurobashi Bridge	2012/12/26	Sunny	0.50	0.0	>100	42	1	1	<1	<1	<1	
				2013/2/6	Snow	0.50	0.0	>100	10	<1	1	<1	<1	<1		
52	Kobanabashi Bridge			2012/12/26	Sunny	0.50	0.0	85	41	3	2	<1	<1	<1		
	Bindagawa River			2013/2/6	Snow	0.25	0.0	52	43	5	3	<1	<1	<1		
53		Bindabashi Bridge		2012/12/26	Sunny	1.50	0.0	>100	258	4	2	<1	<1	<1		
				2013/2/6	Snow	0.45	0.0	>100	301	6	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.

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 iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2012/12/18	Cloudy	0.30	5	90	Sand	<30	<10	<10	-	
				2013/1/15	Sunny	0.30	5	90	Sand	<30	<10	<10	-	
2	Koizumigawa River	Koizumbashi Bridge	Somashi City	2012/12/17	Cloudy	0.30	5	81	Sand	<30	240	440	680	
				2013/1/15	Snow	0.30	5	85	Sand	<30	170	310	480	
				2012/12/17	Cloudy	2.10	5	61	Clay	<30	370	700	1,070	
3	Hyakkenbashi Bridge	2013/1/17		Sunny	1.10	5	74	Silt	<30	470	860	1,330		
4	Udagawa River	Horisakabashi Bridge		2012/12/17	Cloudy	0.30	3	88	Sand	<30	190	340	530	
				2013/1/15	Sunny	0.40	3	91	Sand	<30	200	360	560	
			2012/12/17	Cloudy	1.50	5	80	Sand	<30	11	12	23		
5		Hyakkenbashi Bridge	2013/1/17	Sunny	1.00	5	81	Sand	<30	100	190	290		
			2013/2/11	Cloudy	0.50	5	75	Sand	<30	<10	<10	-		
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2012/12/17	Cloudy	0.90	5	93	Sand	<30	160	270	430	
				2013/1/15	Sunny	1.10	5	91	Sand	<30	150	290	440	
				2012/12/20	Sunny	0.30	3	84	Sand	<30	270	480	750	
7		Majimabashi Bridge		2013/1/15	Sunny	0.40	3	62	Sand	<30	1,500	2,900	4,400	Former evacuation-prepared areas in case of emergency
8	Niidagawa River	Kusano	Iitate-mura Village	2012/12/25	Snow	0.60	3	92	Sand	<30	970	1,700	2,670	
				2013/2/11	Cloudy	0.30	5	89	Sand	<30	2,000	3,700	5,700	
				2012/12/25	Snow	0.50	5	92	Sand	<30	1,000	1,900	2,900	
9			Komiya	2013/2/12	Sunny	0.50	3	83	Sand	<30	1,700	3,100	4,800	
10		Kidouchibashi Bridge		2012/12/20	Sunny	0.30	5	86	Sand	<30	1,000	1,800	2,800	
				2013/1/15	Sunny	0.80	3	91	Sand	<30	650	1,200	1,850	
11		Sakekawabashi Bridge		2012/12/20	Cloudy	0.20	4	79	Sand	<30	1,300	2,400	3,700	
			2013/1/15	Sunny	0.40	3	90	Sand	<30	390	680	1,070		
12	Otogawa River	Ishiwatadobashi Bridge	Minamisomashi City	2012/12/20	Sunny	0.60	10	92	Sand	<30	3,300	6,000	9,300	
				2013/1/15	Sunny	0.30	3	83	Sand	<30	5,600	10,000	15,600	
				2012/12/20	Cloudy	0.40	2	83	Sand	<30	12,000	6,400	18,400	
13		Kaminouchibashi Bridge		2013/1/16	Sunny	0.40	5	90	Sand	<30	2,700	5,000	7,700	
				2012/12/20	Cloudy	0.85	2	60	Silt	<44	8,400	15,000	23,400	
14		Masudabashi Bridge		2013/1/16	Sunny	0.20	5	93	Sand	<30	440	830	1,270	
				2012/12/20	Cloudy	0.15	3	92	Sand	<30	530	940	1,470	
15				JR Tetsudobashi Bridge	2013/1/16	Sunny	0.20	3	94	Sand	<30	180	330	510
16		Maruyamabashi Bridge		2012/12/20	Sunny	0.20	4	93	Sand	<30	16	37	53	
			2013/1/16	Sunny	0.20	3	91	Sand	<30	20	25	45		
17	Odakagawa River	Shimokawarabashi Bridge		2012/12/17	Cloudy	0.30	3	94	Sand	<30	350	670	1,020	
				2013/1/16	Sunny	0.20	3	92	Sand	<30	390	750	1,140	
				2012/12/1										

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 iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/12/26	Sunny	0.40	5	93	Sand	<30	630	1,200	1,830	Restricted areas
				2013/2/5	Sunny	0.50	5	80	Sand	<30	2,800	5,300	8,100	
24	Maedagawa River	National Route 6, west	Futabamachi Town	2012/12/18	Cloudy	0.60	3	94	Sand	<30	1,300	2,300	3,600	
				2013/1/15	Sunny	0.75	3	92	Sand	<30	1,500	2,700	4,200	
25		Nakahamabashi Bridge	Namiemachi Town	2012/12/26	Sunny	1.20	3	92	Silt	<30	760	1,500	2,260	
				2013/1/15	Sunny	1.50	3	87	Sand	<30	810	1,500	2,310	
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/12/18	Cloudy	0.25	3	95	Sand/gravel	<30	420	780	1,200	
				2013/1/17	Sunny	0.30	3	93	Sand	<30	510	870	1,380	
27		Mikumabashi Bridge		2012/12/18	Sunny	0.20	2	95	Sand/gravel	<30	860	1,600	2,460	
				2013/1/15	Snow	0.60	3	90	Sand	<30	1,300	2,400	3,700	
28		Nabekurabashi Bridge		2012/12/27	Cloudy	0.40	5	90	Sand	<30	170	300	470	
				2013/1/16	Sunny	-	-	-	-	-	-	-	-	
				2013/2/6	Snow	0.20	5	87	Sand	<30	200	370	570	
				2013/3/7	Sunny	0.40	4	93	Sand	<30	82	160	242	
29	Tomikagawa River	Sakaigawabashi Bridge	Kawauchimura Village	2012/12/5	Sunny	0.20	10	91	Sand	<30	250	460	710	
				2012/12/26	Sunny	0.20	2	91	Sand	<30	200	360	560	
				2013/1/16	Sunny	-	-	-	-	-	-	-	-	
				2013/2/6	Snow	0.30	-	-	-	-	-	-	-	
30		National Route 6, west	Tomiokamachi Town	2012/12/27	Cloudy	0.20	5	93	Sand	<30	140	260	400	
				2012/12/26	Sunny	0.25	2	91	Sand	<30	830	1,500	2,330	
				2013/2/7	Sunny	0.45	5	94	Sand	<30	550	990	1,540	
				2012/12/26	Sunny	0.60	3	74	Sand/silt	<30	3,800	6,900	10,700	
31		Kobamabashi Bridge		2013/2/7	Sunny	0.20	5	89	Sand	<30	1,500	2,800	4,300	
32	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2012/12/18	Cloudy	0.20	2	93	Sand	<30	120	220	340	
				2013/2/7	Sunny	0.25	5	91	Sand	<30	140	270	410	
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatubashi Bridge)	Kawauchimura Village	2012/12/26	Sunny	0.20	3	92	Sand	<30	56	86	142	
				2013/2/6	Snow	0.10	3	92	Gravel/sand	<30	50	99	149	
34		Nishiyamabashi Bridge		2012/12/26	Sunny	0.60	5	92	Sand	<30	47	83	130	
				2013/2/7	Sunny	0.60	7	87	Sand	<30	91	180	271	
35	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/12/19	Sunny	0.30	5	90	Sand	<30	100	180	280	
				2013/2/7	Cloudy	0.30	5	93	Sand	<30	77	140	217	
36		Kidokawabashi Bridge		2012/12/19	Sunny	0.30	2	94	Sand	<30	54	100	154	
				2013/2/7	Sunny	0.20	7	95	Sand	<30	72	120	192	
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2012/12/27	Sunny	0.20	3	90	Sand	<30	70	130	200	
				2013/2/11	Sunny	0.20	5	91	Sand	<30	63	120	183	
38	Ohisagawa River	Kageisobashi Bridge		2013/1/8	Sunny	0.50	2	81	Sand	<30	570	1,000	1,570	
				2013/2/14	Cloudy	0.50	3	82						

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 iodine I-131	Cs-134	Radioactive cesium		Total	
45	Yoshimagawa River	Iwaanatsuribashi Bridge	Iwakishi City	2013/1/8	Sunny	0.20	2	91	Sand	<30	110	220		330	
				2013/2/15	Cloudy	0.20	2	86	Sand	<30	96	180		276	
46		Before the confluence with Natsuigawa River		2012/12/19	Sunny	0.30	3	94	Sand	<30	12	22		34	
	Fujjwaragawa River	Shimabashi Bridge		2013/1/21	Sunny	0.20	3	93	Sand	<30	16	32		48	
47				2013/1/9	Cloudy	0.40	2	68	Sand/earth	<30	14	32		46	Sampling points changed to the side of lower reaches due to bridge construction
				2013/1/31	Sunny	-	-	-	-	-	-	-		-	Unable to collect samples due to bridge construction
48	Samegawa River	Minatoohashi Bridge		2013/1/11	Sunny	2.80	5	69	Silt	<30	220	410		630	
				2013/2/5	Sunny	2.70	5	44	Silt	<30	820	1,400		2,220	
49		Idosawabashi Bridge		2012/12/26	Sunny	0.50	-	-	-	-	-	-		-	No sand deposited
50	Shitokigawa River	Samegawabashi Bridge		2013/2/5	Sunny	3.00	-	-	-	-	-	-		-	No sand deposited
				2013/1/7	Sunny	0.30	3	93	Sand	<30	<10	16		16	
				2013/2/6	Snow	0.30	5	93	Sand	<30	13	20		33	
51	Bindagawa River	Komurobashi Bridge		2012/12/26	Sunny	0.50	3	93	Gravel/sand	<30	17	31		48	
				2013/2/6	Snow	0.50	5	89	Sand	<30	34	62		96	
52		Kobanabashi Bridge		2012/12/26	Sunny	0.50	5	85	Gravel/sand	<30	48	89		137	
	Bindabashi Bridge			2013/2/6	Snow	0.25	3	90	Gravel/sand	<30	120	210		330	
53				2012/12/26	Sunny	1.50	3	63	Sand/silt	<30	540	1,000		1,540	
				2013/2/6	Snow	0.45	3	83	Gravel/sand	<30	56	100		156	

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

ORiver (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)				Property	Concentration of radioactive material Bq/kg (dry)								
							Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μSv/h		Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μSv/h					
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2012/12/18	Cloudy	Sandy	<30	450	800	1,250	0.27	Loamy	<30	590	1,100	1,690	0.26			
				2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2012/12/17	Cloudy	Loamy	<30	710	1,300	2,010	0.31	Loamy	<30	290	540	830	0.33			
					2013/1/15	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
3	Hyakkenbashi Bridge			2012/12/17	Cloudy	Loamy	<30	670	1,200	1,870	0.32	Loamy	<30	1,600	2,900	4,500	0.32			
				2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
4	Udagawa River	Horisakabashi Bridge			2012/12/17	Cloudy	Loamy	<30	760	1,300	2,060	0.31	Loamy	<30	160	280	440	0.32		
					2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
					2012/12/17	Cloudy	Loamy	<30	460	820	1,280	0.38	Loamy	<30	640	1,200	1,840	0.38		
5		Hyakkenbashi Bridge			2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/12/11	Cloudy	Loamy	<30	890	1,700	2,590	0.23	Loamy	<30	400	710	1,110	0.18			
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2012/12/17	Cloudy	Loamy	<30	330	600	930	0.52	Loamy	<30	540	1,000	1,540	0.52			
					2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
					2012/12/20	Sunny	Loamy	<30	320	630	950	0.27	Loamy	<30	980	1,800	2,780	0.26	Former evacuation-prepared areas in case of emergency	
7		Majimabashi Bridge			2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-		
8	Kusano		Iitatemura Village	2012/12/25	Snow	Loamy	<30	2,900	5,200	8,100	2.03	Loamy	<34	8,200	15,000	23,200	2.96			
					2013/2/11	Cloudy	Loamy	<30	1,400	2,500	3,900	1.31	Loamy/skeletal	<30	6,000	11,000	17,000	1.91	Living-restricted areas	
9		Niidagawa River		Komiya	2012/12/25	Snow	Loamy	<41	7,900	14,000	21,900	3.46	Sandy	<30	3,800	6,800	10,600	3.62		
						2013/2/12	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
10	Kidouchibashi Bridge	Sakekawabashi Bridge		2012/12/20	Sunny	Loamy	<30	2,200	4,000	6,200	0.98	Loamy	<30	2,400	4,400	6,800	1.09			
						2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
11						2012/12/20	Cloudy	Loamy	<30	260	500	760	0.20	Loamy	<30	1,500	2,700	4,200	0.80	
						2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
12						2012/12/20	Sunny	Loamy	<30	4,500	8,200	12,700	1.66	Loamy	<30	3,500	6,400	9,900	1.44	
						2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
13						2012/12/20	Cloudy	Loamy	<30	1,800	3,300	5,100	0.78	Loamy	<30	1,500	2,700	4,200	0.74	Former evacuation-prepared areas in case of emergency
						2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
14	Masudabashi Bridge		Minamisomashi City	2012/12/20	Cloudy	Loamy	<30	340	640	980	0.32	Loamy	<30	1,100	2,000	3,100	0.35			
						2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
15						2012/12/20	Cloudy	Loamy	<30	1,200	2,100	3,300	0.37	Loamy	<30	960	1,800	2,760	0.39	
						2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
16	Maruyamabashi Bridge			2012/12/20	Sunny	Sandy	<30	730	1,400	2,130	0.16	Loamy	<30	35	49	84	0.11			
						2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
17	Shimokawarabashi Bridge			2012/12/17	Cloudy	Loamy	<30	3,700	6,800	10,500	0.51	Loamy	<30	1,100	2,100	3,200	0.52			
						2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
18	Odakagawa River	Zenchobashi Bridge		2012/12/17	Sunny	Loamy	<30	460	830	1,290	0.39	Loamy	<30	960	1,700	2,660	0.36	Evacuation order lifting preparation areas		
						2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
19	Hatsukarabashi Bridge			2012/12/17	Cloudy	Sandy	<30	8.9	14	23	0.11	Sandy	<30	<6.1	12	12	0.11			
						2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
						2012/12/4	Cloudy	Loamy	<37	9,600	18,000	27,600	8.04	Loamy	<59	18,000	34,000	52,000	7.78	
						2012/12/27	Sunny	Loamy/skeletal	<68	28,000	54,000	82,000	6.76	Loamy	<71	28,000	54,000	82,000	7.42	
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
						2013/2/5	Sunny	Loamy	<67	26,000	50,000	76,000	8.31	Loamy	<97	33,000	62,000	95,000	7.18	
						2012/12/5	Sunny	Loamy	<30	810	1,400	2,210	1.28	Loamy	<30	400	720	1,120	0.60	Restricted areas
						2012/12/26	Sunny	Loamy	<30	160	280	440	1.32	Loamy/sandy	<30	1,300	2,500	3,800	0.58	
21	Ukedobashi Bridge			2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
						2013/2/5	Sunny	Loamy	<30	1,300	2,500	3,800	1.59	Sandy	<30	1,700	3,100	4,800	0.60	
22	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichishitadaira)	Tamurashi City	2012/12/26	Sunny	Loamy/sandy	<30	980	1,800	2,780	0.43	Loamy	<30	730	1,300	2,030	0.49	Evacuation order lifting preparation areas		
						2013/1/22	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground

○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)				Property	Concentration of radioactive material Bq/kg (dry)							
							Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137 Total				Air dose μSv/h	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137 Total			Air dose μSv/h		
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/12/26	Sunny	Loamy	<30	990	1,800	2,790	1.24	Loamy	<30	1,900	3,600	5,500	0.99		
				2013/2/5	Sunny	Loamy	<30	1,100	2,000	3,100	1.17	Loamy	<30	1,300	2,500	3,800	0.89		
24	Maedagawa River	National Route 6, west	Futabamachi Town	2012/12/18	Cloudy	Loamy/skeletal	<38	6,700	13,000	19,700	3.88	Loamy/skeletal	<80	40,000	81,000	121,000	8.99	Restricted areas	
				2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
25	Maedagawa River	Nakahamabashi Bridge	Namiemachi Town	2012/12/26	Sunny	Loamy	<30	580	1,100	1,680	0.68	Loamy	<30	420	720	1,140	0.65		
				2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/12/18	Cloudy	Loamy/skeletal	<44	9,300	17,000	26,300	3.30	Loamy/skeletal	<59	16,000	29,000	45,000	4.11	Living-restricted areas	
					2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
27	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2012/12/18	Sunny	Loamy/sandy	<69	31,000	57,000	88,000	11.12	Loamy/sandy	<36	7,900	14,000	21,900	5.72	Difficult-to-return areas	
					2013/1/15	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
28	Tomiokagawa River	Nabekurabashi Bridge	Kawauchimura Village	2012/12/27	Cloudy	Loamy	<30	1,500	2,700	4,200	0.58	Loamy	<30	1,500	2,800	4,300	0.73		
					2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/3/7	Sunny	Loamy/skeletal	<30	1,600	3,200	4,800	0.57	Loamy/skeletal	<30	1,300	2,600	3,900	0.72	
		2012/12/5		Sunny	Loamy	<150	73,000	130,000	203,000	8.24	Loamy	<43	11,000	20,000	31,000	3.85	Evacuation order lifting preparation areas		
		2012/12/26		Sunny	Loamy	<160	73,000	130,000	203,000	7.24	Loamy	<30	2,200	4,000	6,200	3.83			
		2013/1/16		Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
		2013/2/6		Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
		2013/2/27		Cloudy	Loamy	<44	13,000	25,000	38,000	4.70	Loamy	<110	31,000	57,000	88,000	4.19			
30		National Route 6, west		Tomiokamachi Town	2012/12/26	Sunny	Loamy/skeletal	<44	7,900	14,000	21,900	4.44	Loamy/sandy	<36	6,200	11,000	17,200	3.28	
					2013/2/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
31		Kobamabashi Bridge		Tomiokamachi Town	2012/12/26	Sunny	Sandy	<30	4,000	7,200	11,200	2.04	Sandy/skeletal	<30	2,100	4,000	6,100	0.93	Restricted areas
	2013/2/7		Sunny		-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
32	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2012/12/18	Cloudy	Loamy/sandy	<30	300	530	830	1.02	Loamy/skeletal	<30	1,600	2,800	4,400	0.67		
				2013/2/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatabashi Bridge)	Kawauchimura Village	2012/12/26	Sunny	Loamy	<30	1,100	2,000	3,100	0.75	Loamy	<30	1,200	2,300	3,500	0.55	Evacuation order lifting preparation areas	
				2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
34	Kidogawa River	Nishiyamabashi Bridge	Narahamachi Town	2012/12/26	Sunny	Loamy	<30	1,000	1,800	2,800	0.41	Loamy	<30	1,000	1,800	2,800	0.46	Former evacuation-prepared areas in case of emergency	
				2013/2/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
35		Nagatorobashi Bridge		2012/12/19	Sunny	Loamy/sandy/skeletal	<30	1,700	3,000	4,700	0.58	Loamy/skeletal	<30	1,900	3,300	5,200	0.56		
				2013/2/7	Cloudy	Sandy	<30	1,300	2,300	3,600	0.71	Loamy	<30	2,000	3,700	5,700	0.56	Evacuation order lifting preparation areas	
36	Kidogawa River	Kidokawabashi Bridge	Narahamachi Town	2012/12/19	Sunny	Loamy	<30	320	530	850	0.60	Loamy/sandy	<30	1,500	2,700	4,200	0.68		
				2013/2/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2012/12/27	Sunny	Sandy	<30	860	1,500	2,360	0.46	Sandy	<30	1,400	2,400	3,800	0.53	Former evacuation-prepared areas in case of emergency	
			2013/2/11	Sunny	Loamy/sandy	<30	1,000	1,800	2,800	0.51	Loamy	<30	1,100	2,100	3,200	0.50			
38	Ohisagawa River	Kageisobashi Bridge	Hironomachi Town	2013/1/8	Sunny	-	-	-	-	0.15	Loamy/sandy/skeletal	<30	600	1,100	1,700	0.24			
				2013/2/14	Cloudy	-	-	-	-	-	0.12	Loamy/skeletal	<30	780	1,400	2,180	0.24		
39	Kohisagawa River	Rengobashi Bridge	Hironomachi Town	2013/1/8	Sunny	Loamy/skeletal	<30	1,500	2,800	4,300	0.38	Loamy	<30	920	1,700	2,620	0.40		
				2013/2/14	Cloudy	Loamy/skeletal	<30	1,100	2,000	3,100	0.35	Loamy/skeletal	<30	920	1,700	2,620	0.34		
40	Niidagawa River	Kasumidabashi Bridge	Iwakishi City	2012/12/28	Cloudy	Loamy	<30	980	1,700	2,680	0.24	Loamy	<30	1,100	1,900	3,000	0.27		
				2013/2/14	Cloudy	Loamy/skeletal	<30	470	930	1,400	0.16	Loamy/skeletal	<30	740	1,300	2,040	0.22		
41	Niidagawa River	Matsubabashi Bridge	Iwakishi City	2012/12/28	Cloudy	Loamy	<30	560	1,000	1,560	0.27	Sandy	<30	95	180	275	0.18		
				2013/2/14	Cloudy	Loamy	<30	340	610	950	0.20	Sandy	<30	110	220	330	0.20		
42	Kitanouchibashi Bridge	Onomachi Town	2013/1/11	Sunny	Loamy/sandy	<30	230	420	650	0.16	Loamy/sandy	<30	170	310	480	0.19			
				2013/2/11	Sunny	-	-	-	-	-	-	-	<30	490	900	1,390	0.20	Unable to collect samples due to snow on the ground	
43	Natsugawa River	Kyudayubashi Bridge	Iwakishi City	2013/1/8	Sunny	Sandy	<30	250	460	710	0.23	Loamy	<30	420	780	1,200	0.23		
				2013/2/14	Cloudy	Sandy	<30	200	380	580	0.16	Loamy	<30	300	560	860	0.20		
44	Natsugawa River	Rokujumabashi Bridge	Iwakishi City	2013/1/8	Sunny	Loamy	<30	580	1,000	1,580	0.31	Loamy	<30	770	1,400	2,170	0.34		
				2013/2/11	Sunny	Loamy	<30	640	1,100	1,740	0.26	Loamy	<30	720	1,300	2,020	0.30		

ORiver (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)				Property	Concentration of radioactive material Bq/kg (dry)				Air dose μSv/h		
							Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total		Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total			
45	Yoshimagawa River	Iwaanatsuribashi Bridge	Iwakishi City	2013/1/8	Sunny	Loamy/skeletal	<30	620	1,100	1,720	0.21	Loamy	<30	190	320	510	0.17	
				2013/2/15	Cloudy	Loamy/skeletal	<30	540	990	1,530	0.20	Loamy	<30	650	1,100	1,750	0.16	
46		Before the confluence with Natsugawa River		2012/12/19	Sunny	Loamy	<30	210	380	590	0.18	Loamy/skeletal	<30	500	890	1,390	0.21	
		2013/1/21		Sunny	Loamy	<30	300	500	800	0.18	Loamy	<30	290	560	850	0.18		
47	Fujiwaragawa River	Shimabashi Bridge		2013/1/9	Cloudy	Loamy	<30	370	700	1,070	0.18	Loamy/skeletal	<30	390	730	1,120	0.17	Sampling points changed to the side of lower reaches due to bridge construction
				2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to bridge construction
48		Minatoohashi Bridge		2013/1/11	Sunny	Loamy	<30	120	220	340	0.13	Loamy/sandy	<30	1,100	2,000	3,100	0.21	
	Samegawa River			2013/2/5	Sunny	Loamy	<30	140	250	390	0.12	Loamy/sandy	<30	1,700	3,000	4,700	0.22	
49		Idosawabashi Bridge		2012/12/26	Sunny	Loamy	<74	14,000	25,000	39,000	0.11	-	-	-	-	-	-	Soil not exposed
				2013/2/5	Sunny	Loamy	<30	1,200	2,200	3,400	0.23	-	-	-	-	-	-	0.15
50	Samegawabashi Bridge			2013/1/7	Sunny	Sandy	<30	11	15	26	0.11	Loamy	<30	230	400	630	0.11	
				2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
51		Shitokigawa River		Komurobashi Bridge	2012/12/26	Sunny	Loamy	<30	770	1,400	2,170	0.20	Loamy	<30	360	630	990	0.20
	Bindagawa River			2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
52		Kobanabashi Bridge		2012/12/26	Sunny	Loamy	<30	130	240	370	0.17	Sandy	<30	260	490	750	0.19	
				2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
53	Bindabashi Bridge			2012/12/26	Sunny	Loamy	<30	970	1,700	2,670	0.15	Loamy	<30	420	760	1,180	0.23	
				2013/2/6	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-171 or TCS-172 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.

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

No.	Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks	
	Water body		Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium			
														Cs-134	Cs-137		
54	A b u k u m a g a w a R i v e r S y s t e m	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/12/20	Sunny	0.50	0.0	58	14	2	2	<1	<1	<1		
2013/1/28			Sunny	0.25	0.0	>100	14	1	1	<1	<1	<1					
55			Tamachiohashi Bridge	Shirakawashi City	2012/12/20	Sunny	0.40	0.0	>100	17	<1	1	<1	<1	<1		
2013/1/14					Snow	0.30	0.0	>100	16	<1	1	<1	<1	<1			
2013/2/14		Sunny			0.40	0.0	>100	18	2	1	<1	<1	<1				
2013/3/4		Sunny			0.45	0.0	>100	13	<1	<0.1	<1	<1	<1				
56		Yantagawa River	Before the confluence with Abukumagawa River		2012/12/20	Sunny	0.60	0.0	>100	50	<1	1	<1	<1	<1		
2013/1/24					Sunny	1.20	0.0	80	45	2	1	<1	<1	<1			
57		Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/12/20	Sunny	0.60	0.0	>100	54	4	2	<1	<1	<1		
2013/1/16					Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
58		Kitasugawa River	Yanagibashi Bridge	Hiratamura Village	2012/12/19	Sunny	0.30	0.0	>100	16	<1	1	<1	<1	<1		
2013/1/21					Cloudy	0.40	0.0	>100	15	<1	1	<1	<1	<1			
59		Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/12/19	Sunny	0.30	0.0	>100	15	6	4	<1	<1	<1		
2013/1/21					Cloudy	0.30	0.0	68	14	4	3	<1	<1	<1	<1		
60		Yashirogawa River	Ojibashi Bridge		2012/12/19	Sunny	0.60	0.0	61	17	5	3	<1	<1	<1		
2013/1/21					Cloudy	0.30	0.0	87	15	4	3	<1	<1	<1	<1		
61		Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/12/13	Sunny	0.70	0.0	90	19	5	2	<1	<1	<1		
2013/1/7					Sunny	0.30	0.0	>100	20	<1	2	<1	<1	<1			
2013/1/28					Sunny	0.30	0.0	93	21	1	2	<1	<1	<1	<1		
2013/2/20					Sunny	0.40	0.0	>100	22	2	2	<1	<1	<1	<1		
62	Shakadogawa River	Emochibashi Bridge		2012/12/20	Sunny	0.30	0.0	>100	19	2	2	<1	<1	<1			
2013/1/24				Sunny	0.20	0.0	76	21	4	3	<1	<1	<1	<1			
63				Sukagawashi City water intake point	Sukagawashi City	2012/12/20	Sunny	0.50	0.0	>100	16	1	1	<1	<1	<1	
2013/1/24						Sunny	0.20	0.0	74	19	3	2	<1	<1	<1	<1	
64	Before the confluence with Abukumagawa River		2012/12/12			Sunny	0.20	0.0	>100	20	<1	1	<1	<1	<1		
2013/1/10			Sunny			0.25	0.0	65	18	2	3	<1	<1	<1	<1		
2013/1/29			Sunny	0.10	0.0	87	21	2	3	<1	<1	<1	<1				
2013/2/20			Sunny	0.10	0.0	71	26	3	3	<1	<1	<1	<1				
65	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/12/26	Cloudy	0.50	0.0	40	26	4	3	<1	<1	<1			
2013/1/23				Sunny	0.60	0.0	45	26	3	3	<1	<1	<1	<1			
66	Yatagawa River	Yatagawabashi Bridge		2012/12/26	Sunny	0.20	0.0	70	29	3	2	<1	<1	<1			
2013/1/23				Sunny	0.30	0.0	77	31	2	2	<1	<1	<1	<1			
67	Otakingawa River	Funehikibashi Bridge	Tamurashi City	2012/12/20	Sunny	0.30	0.0	>100	3	10	3	<1	<1	<1			
2013/1/22		Cloudy	0.30	0.0	14	29	26	18	<1	<1	<1	<1					
68		Before the confluence with Abukumagawa River		2012/12/26	Sunny	0.30	0.0	85	24	2	2	<1	<1	<1			
2013/1/23				Sunny	0.20	0.0	62	22	2	2	<1	<1	<1	<1			
69		Before the confluence with Babagawa River		2012/12/26	Sunny	0.10	0.0	>100	29	9	3	<1	<1	<1			
2013/1/24				Sunny	0.30	0.0	>100	32	2	2	<1	<1	<1	<1			
70	Ousegawa River	Makunouchibashi Bridge		2012/12/26	Sunny	0.70	0.0	68	32	2	3	<1	<1	<1			
2013/1/23				Sunny	0.50	0.0	62	40	5	4	<1	<1	<1	<1			
71		Before the confluence with Abukumagawa River	Koriyamashi City	2012/12/7	Sunny	0.20	0.0	66	33	3	2	<1	<1	<1			
2013/1/9				Cloudy	0.30	0.0	68	33	1	2	<1	<1	<1	<1			
2013/1/29				Sunny	0.25	0.0	53	46	6	5	<1	<1	<1	<1			
2013/2/19				Cloudy	0.30	0.0	65	58	6	4	<1	<1	<1	<1			
72	Abukumagawa River	Akutsubashi Bridge		2012/12/7	Sunny	0.20	0.0	79	36	4	3	<1	<1	<1			
2013/1/10				Cloudy	0.25	0.0	65	34	5	4	<1	<1	<1	<1			
2013/2/1				Sunny	0.20	0.0	52	34	6	5	<1	<1	<1	<1			
2013/2/28				Sunny	0.10	0.0	60	33	4	4	<1	<1	<1	<1			

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

No.	Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L				Remarks
	Water body		Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium			
														Cs-134	Cs-137		
73	A b u k u m a g a w a R i v e r S y s t e m	Gohyakugawa River	After the confluence with Ishimurogawa River	Koriyamashi City	2012/12/26	Sunny	0.40	0.0	>100	12	<1	1	<1	<1	<1		
				2013/1/23	Sunny	0.40	0.0	>100	13	<1	1	<1	<1	<1			
74			Kamisekishitabashi Bridge	Motomiyashi City	2012/12/21	Cloudy	0.30	0.0	>100	15	4	2	<1	<1	<1		
					2013/1/23	Sunny	0.50	0.0	56	17	3	3	<1	<1	<1		
75			Before the confluence with Abukumagawa River		2012/12/21	Sunny	0.20	0.0	>100	18	1	1	<1	<1	<1		
					2013/1/17	Cloudy	0.20	0.0	93	23	2	2	<1	<1	<1		
					2013/2/8	Snow	0.15	0.0	45	26	9	4	<1	<1	<1		
					2013/3/1	Cloudy	0.30	0.0	96	18	1	2	<1	<1	<1		
76		Abukumagawa River	Takadabashi Bridge		Nihonmatsushi City	2012/12/20	Sunny	2.30	0.0	63	23	3	3	<1	<1	<1	
						2013/1/10	Sunny	2.00	0.0	88	23	2	2	<1	<1	<1	
				2013/2/7		Sunny	1.50	0.0	59	28	8	5	<1	<1	<1		
				2013/2/28		Sunny	1.00	0.0	51	25	3	3	<1	<1	<1		
77		Kuchibutogawa River	Kuchibutogawabashi Bridge	2013/1/10		Sunny	0.50	0.0	>100	63	1	1	<1	<1	<1		
				2013/2/1		Sunny	0.60	0.0	>100	15	2	1	<1	<1	<1	<1	
78		Utsushigawa River	Osegawabashi Bridge	2012/12/20		Sunny	0.50	0.0	>100	17	6	1	<1	<1	<1		
				2013/1/10		Sunny	0.25	0.0	>100	17	2	1	<1	<1	<1		
				2013/2/7	Sunny	0.20	0.0	>100	20	6	2	<1	<1	<1	<1		
				2013/2/28	Sunny	0.50	0.0	76	16	1	1	<1	<1	<1			
79		Mizuharagawa River	Getouchibashi Bridge	Fukushimashi City	2012/12/20	Cloudy	0.10	0.0	>100	31	<1	1	<1	<1	<1		
		2013/2/12	Cloudy		0.30	0.0	66	18	3	3	<1	<1	<1	<1			
80	Megamigawa River	Tsurumakibashi Bridge	2012/12/20		Sunny	0.20	0.0	>100	35	<1	1	<1	<1	<1			
			2013/2/12		Cloudy	2.50	0.0	70	33	<1	1	<1	<1	<1			
81	Abukumagawa River	Horaibashi Bridge	2012/12/17		Cloudy	0.85	0.0	95	24	2	2	<1	<1	<1			
			2013/1/9		Snow	0.70	0.0	>100	22	<1	1	<1	<1	<1			
			2013/2/7		Sunny	0.35	0.0	75	23	4	4	<1	<1	<1			
			2013/2/27		Cloudy	0.50	0.0	85	24	2	3	<1	<1	<1			
82	Nigorigawa River	Before the confluence with Omorigawa River	2012/12/27		Sunny	0.40	0.0	49	34	4	6	<1	<1	<1			
			2013/2/13		Sunny	0.20	0.0	17	31	12	13	<1	<1	<1			
83	Arakawa River	Hinokurabashi Bridge	2012/12/27		Cloudy	0.10	0.0	88	9	<1	1	<1	<1	<1			
			2013/2/28		Sunny	0.20	0.0	>100	31	6	5	<1	<1	<1	<1		
84	Sukawa River	Sukawabashi Bridge	2012/12/20		Snow	0.20	0.0	>100	74	<1	0	<1	<1	<1			
			2013/2/13		Cloudy	0.35	0.0	>100	74	<1	<0.1	<1	<1	<1	<1		
85	Arakawa River	Before the confluence with Abukumagawa River	2012/12/6		Cloudy	0.20	0.0	75	35	10	4	<1	<1	<1	<1		
			2013/1/9		Snow	0.35	0.0	80	35	9	5	<1	<1	<1	<1		
			2013/1/29		Sunny	0.45	0.0	43	38	13	7	<1	<1	<1	<1		
			2013/2/17		Sunny	0.20	0.0	42	38	16	7	<1	<1	<1	<1		
			2012/12/17		Cloudy	0.35	0.0	25	19	3	4	<1	<1	<1	<1		
86	Matsukawa River	Before the confluence with Abukumagawa River	2013/1/9		Snow	0.90	0.0	>100	24	2	2	<1	<1	<1	<1		
			2013/2/6	Snow	0.15	0.0	46	25	3	4	<1	<1	<1	<1			
			2013/2/28	Cloudy	0.50	0.0	30	20	15	10	<1	<1	<1	<1			
			2012/12/27	Sunny	0.40	0.0	45	23	2	3	<1	<1	<1	<1			
87	Hattandagawa River	Hattandabashi Bridge	2013/2/25	Cloudy	0.40	0.0	12	37	28	19	<1	<1		1			
			2012/12/27	Sunny	0.50	0.0	>100	10	<1	1	<1	<1	<1	<1			
88	Surikamigawa River	Totsunabashi Bridge	2013/2/13	Cloudy	0.30	0.0	70	11	4	2	<1	<1	<1	<1			
			2012/12/6	Sunny	0.25	0.0	>100	13	1	1	<1	<1	<1	<1			
89		Before the confluence with Abukumagawa River	2013/1/9	Cloudy	0.30	0.0	>100	12	<1	0	<1	<1	<1	<1			
			2013/1/30	Cloudy	0.75	0.0	>100	13	<1	1	<1	<1	<1	<1			
			2013/2/20	Sunny	0.20	0.0	90	25	2	1	<1	<1	<1	<1			

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

Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks	
No.	Water body		Point				Municipality	Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium		
														Cs-134		Cs-137
90	A b u k u m a g a w a R i v e r S y s t e m	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/12/6	Sunny	0.50	0.0	40	22	22	23	<1	<1	<1	
					2012/12/19	Snow	0.70	0.0	>100	29	2	1	<1	<1	<1	
					2013/1/14	Snow	0.30	0.0	65	31	3	2	<1	<1	<1	
					2013/2/6	Snow	0.30	0.0	82	58	4	4	<1	<1	<1	
91		Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2012/12/19	Sunny	0.30	0.0	>100	35	2	1	<1	<1	<1	
					2013/2/12	Cloudy	0.30	0.0	>100	32	3	1	<1	<1	<1	
92			Jizogawarabashi Bridge		2012/12/19	Sunny	0.30	0.0	>100	30	1	1	<1	<1	<1	
					2013/1/15	Cloudy	0.30	0.0	86	19	2	2	<1	<1	<1	
					2013/2/6	Snow	0.20	0.0	81	25	3	2	<1	<1	<1	
					93	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/12/6	Sunny	0.30	0.0	63	23	3	3
2012/12/19		Sunny	0.40	0.0					>100	30	<1	1	<1	<1	<1	
2013/1/15		Cloudy	0.50	0.0					69	29	1	2	<1	<1	<1	
2013/2/5	Sunny	0.30	0.0	92					22	4	3	<1	<1	<1		
94	Hirosegawa River	Before the confluence with Abukumagawa River		2012/12/6	Cloudy	0.70	0.0	85	20	3	3	<1	<1	<1		
				2012/12/27	Cloudy	0.20	0.0	>100	45	1	1	<1	<1	<1		
				2013/1/14	Snow	0.20	0.0	48	20	2	2	<1	<1	<1		
				2013/2/13	Cloudy	0.30	0.0	75	26	2	2	<1	<1	<1		
95	O t h e r s	Kurokawa River	Tochigisakai	Shirakawashi City	2012/12/21	Cloudy	0.40	0.0	>100	10	<1	0	<1	<1	<1	
					2013/1/24	Sunny	0.20	0.0	>100	11	<1	1	<1	<1	<1	
96		Kujigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2012/12/20	Sunny	0.40	0.0	>100	10	7	3	<1	<1	<1	
					2013/1/14	Snow	0.65	0.0	>100	15	<1	1	<1	<1	<1	
97			Takachiharabashi Bridge	Yamatsurimachi Town	2012/12/21	Sunny	0.60	0.0	>100	12	<1	1	<1	<1	<1	
					2013/1/14	Snow	0.75	0.0	>100	13	<1	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.

○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 iodine I-131	Radioactive cesium Cs-134 Cs-137 Total				
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/12/20	Sunny	0.50	3	79	Sand	<30	50	94	144		
				2013/1/28	Sunny	0.25	7	84	Sand	<30	30	59	89		
55		Tamachiohashi Bridge	Shirakawashi City	2012/12/20	Sunny	0.40	3	74	Sand	<30	200	360	560		
				2013/1/14	Snow	0.30	7	89	Sand	<30	44	81	125		
				2013/2/14	Sunny	0.40	1	87	Sand	<30	60	120	180		
				2013/3/4	Sunny	0.45	3	85	Sand	<30	73	130	203		
56		Yatagawa River	Before the confluence with Abukumagawa River		2012/12/20	Sunny	0.60	3	58	Sand/silt	<30	710	1,300	2,010	
				2013/1/24	Sunny	1.20	1	91	Sand/silt	<30	300	560	860		
57		Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/12/20	Sunny	0.60	5	86	Gravel/sand	<30	86	160	246	
					2013/1/16	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
58		Kitasugawa River	Yanagibashi Bridge	Hiratomura Village	2012/12/19	Sunny	0.30	5	93	Sand/gravel	<30	<10	19	19	
					2013/1/21	Cloudy	0.40	2	91	Sand	<30	24	48	72	
59		Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/12/19	Sunny	0.30	5	51	Silt	<30	410	740	1,150	
					2013/1/21	Cloudy	0.30	5	52	Silt	<30	440	740	1,180	
60		Yashirogawa River	Ojibashi Bridge		2012/12/19	Sunny	0.60	3	89	Sand	<30	38	62	100	
					2013/1/21	Cloudy	0.30	4	88	Sand	<30	33	65	98	
61	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/12/13	Sunny	0.70	7	91	Sand	<30	17	32	49		
				2013/1/7	Sunny	0.30	5	86	Sand	<30	44	76	120		
				2013/1/28	Sunny	0.30	3	83	Sand	<30	44	86	130		
				2013/2/20	Sunny	0.40	3	84	Sand	<30	51	87	138		
62		Emochibashi Bridge	Sukagawashi City	2012/12/20	Sunny	0.30	3	89	Sand	<30	27	45	72		
				2013/1/24	Sunny	0.20	2	94	Gravel/sand	<30	14	34	48		
63		Sukagawashi City water intake point		2012/12/20	Sunny	0.50	3	92	Sand	<30	34	60	94		
				2013/1/24	Sunny	0.20	10	94	Sand	<30	36	72	108		
64	Before the confluence with Abukumagawa River	2012/12/12		Sunny	0.20	5	78	Sand	<30	160	280	440			
		2013/1/10		Sunny	0.25	5	92	Gravel/sand	<30	35	61	96			
		2013/1/29		Sunny	0.10	3	89	Gravel/sand	<30	32	53	85			
		2013/2/20		Sunny	0.10	4	92	Gravel/sand	<30	25	50	75			
65	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/12/26	Cloudy	0.50	5	75	Gravel/sand	<30	540	1,000	1,540		
				2013/1/23	Sunny	0.60	10	76	Sand	<30	440	860	1,300		
66	Yatagawa River	Yatagawabashi Bridge		2012/12/26	Sunny	0.20	3	79	Gravel/sand	<30	140	260	400		
				2013/1/23	Sunny	0.30	3	83	Sand	<30	130	210	340		
67	Otakingawa River	Funchikibashi Bridge	Tamuraishi City	2012/12/20	Sunny	0.30	3	90	Sand	<30	44	76	120		
				2013/1/22	Cloudy	0.30	2	85	Sand	<30	89	150	239		
68	Before the confluence with Abukumagawa River	Koriyamashi City	2012/12/26	Sunny	0.30	5	77	Sand	<30	470	870	1,340			
			2013/1/23	Sunny	0.20	5	84	Sand	<30	82	160	242			
69	Ousegawa River		2012/12/26	Sunny	0.10	2	47	Sand	<30	79	120	199			
			2013/1/24	Sunny	0.30	5	61	Sand	<30	250	450	700			
70			Makunouchibashi Bridge	2012/12/26	Sunny	0.70	3	92	Sand	<30	140	280	420		
				2013/1/23	Sunny	0.50	2	89	Gravel/sand	<30	220	390	610		
71			Before the confluence with Abukumagawa River	2012/12/7	Sunny	0.20	8	89	Sand	<30	130	230	360		
				2013/1/9	Cloudy	0.30	5	90	Gravel/sand	<30	100	190	290		
				2013/1/29	Sunny	0.25	3	87	Sand	<30	150	270	420		
				2013/2/19	Cloudy	0.30	2	86	Sand	<30	190	360	550		
72	Abukumagawa River		Akutsubashi Bridge	2012/12/7	Sunny	0.20	2	71	Sand/silt	<30	1,700	3,000	4,700		
				2013/1/10	Cloudy	0.25	3	84	Sand	<30	270	470	740		
				2013/2/1	Sunny	0.20	3	71	Sand	<30	980	1,900	2,880		
				2013/2/28	Sunny	0.10	3	88	Sand	<30	180	340	520		

ORiver (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 iodine I-131	Radioactive cesium				
											Cs-134	Cs-137	Total		
73	A b u k u m a g a w a R i v e r S y s t e m	After the confluence with Ishimurogawa River	Koriyamashi City	2012/12/26	Sunny	0.40	5	84	Gravel/sand	<30	61	97	158		
				2013/1/23	Sunny	0.40	5	92	Sand	<30	21	42	63		
74		Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2012/12/21	Cloudy	0.30	5	75	Silt	<30	210	380	590	
						2013/1/23	Sunny	0.50	3	76	Silt	<30	830	1,500	2,330
			2012/12/21		Sunny	0.20	3	91	Sand	<30	57	110	167		
75		Before the confluence with Abukumagawa River	2013/1/17		Cloudy	0.20	3	88	Gravel/sand	<30	50	87	137		
			2013/2/8		Snow	0.15	2	91	Sand	<30	50	100	150		
			2013/3/1		Cloudy	0.30	7	91	Sand	<30	35	64	99		
76		Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2012/12/20	Sunny	2.30	5	82	Sand	<30	280	490	770	
					2013/1/10	Sunny	2.00	5	88	Sand	<30	90	160	250	
					2013/2/7	Sunny	1.50	3	89	Sand	<30	98	170	268	
					2013/2/28	Sunny	1.00	5	86	Sand	<30	350	620	970	
77		Kuchibutogawa River	Kuchibutogawabashi Bridge		2013/1/10	Sunny	0.50	5	92	Sand	<30	280	510	790	
					2013/2/1	Sunny	0.60	10	91	Sand	<30	270	510	780	
78		Utsushigawa River	Osegawabashi Bridge		2012/12/20	Sunny	0.50	2	82	Sand	<30	260	490	750	
					2013/1/10	Sunny	0.25	5	92	Sand	<30	90	160	250	
					2013/2/7	Sunny	0.20	5	78	Sand	<30	410	720	1,130	
					2013/2/28	Sunny	0.50	10	85	Sand	<30	250	470	720	
79		Mizuharagawa River	Getouchibashi Bridge		2012/12/20	Cloudy	0.10	3	81	Sand	<30	160	290	450	
					2013/2/12	Cloudy	0.30	8	78	Sand	<30	230	390	620	
80		Megamigawa River	Tsurumakibashi Bridge		2012/12/20	Sunny	0.20	3	91	Sand	<30	240	410	650	
					2013/2/12	Cloudy	2.50	5	91	Sand	<30	250	440	690	
81		Abukumagawa River	Horaibashi Bridge		2012/12/17	Cloudy	0.85	3	86	Sand	<30	190	340	530	
					2013/1/9	Snow	0.70	5	84	Sand	<30	130	240	370	
	2013/2/7				Sunny	0.35	2	85	Sand	<30	110	220	330		
	2013/2/27				Cloudy	0.50	10	83	Sand	<30	160	280	440		
82	Nigorigawa River	Before the confluence with Omorigawa River	2012/12/27		Sunny	0.40	2	92	Sand/gravel	<30	110	190	300		
			2013/2/13		Sunny	0.20	2	83	Sand	<30	420	760	1,180		
83	Arakawa River	Hinokurabashi Bridge	2012/12/27		Cloudy	0.10	2	89	Sand	<30	15	27	42		
			2013/2/28		Sunny	0.20	3	88	Gravel/sand	<30	<10	22	22		
84	Sukawa River	Sukawabashi Bridge	2012/12/20		Snow	0.20	3	87	Gravel	<30	50	82	132		
			2013/2/13		Cloudy	0.35	5	83	Gravel	<30	32	52	84		
85	Arakawa River	Before the confluence with Abukumagawa River	2012/12/6	Cloudy	0.20	2	91	Sand	<30	44	73	117			
			2013/1/9	Snow	0.35	2	89	Gravel/sand	<30	41	78	119			
			2013/1/29	Sunny	0.45	5	89	Sand	<30	80	140	220			
			2013/2/17	Sunny	0.20	4	25	Silt	<53	3,400	6,100	9,500			
86	Matsukawa River	Before the confluence with Abukumagawa River	2012/12/17	Cloudy	0.35	2	84	Sand	<30	560	1,000	1,560			
			2013/1/9	Snow	0.90	5	88	Sand	<30	1,200	2,300	3,500			
			2013/2/6	Snow	0.15	2	83	Gravel	<30	370	700	1,070			
			2013/2/28	Cloudy	0.50	5	77	Sand/silt	<30	1,500	2,800	4,300			
87	Hattandagawa River	Hattandabashi Bridge	2012/12/27	Sunny	0.40	1	91	Sand/gravel	<30	270	480	750			
			2013/2/25	Cloudy	0.40	1	88	Sand	<30	710	1,300	2,010			
88	Totsunabashi Bridge		2012/12/27	Sunny	0.50	5	85	Sand	<30	150	280	430			
			2013/2/13	Cloudy	0.30	3	72	Sand	<30	220	400	620			
89	Surikamigawa River	Before the confluence with Abukumagawa River	2012/12/6	Sunny	0.25	10	92	Sand	<30	38	58	96			
			2013/1/9	Cloudy	0.30	5	92	Sand	<30	36	74	110			
			2013/1/30	Cloudy	0.75	3	89	Gravel	<30	53	110	163			
			2013/2/20	Sunny	0.20	3	90	Sand	<30	45	86	131			

○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 iodine	Radioactive cesium			
											I-131	Cs-134	Cs-137		Total
90	A b u k u m a g a w a	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/12/6	Sunny	0.50	2	75	Sand	<30	640	1,100	1,740	
					2012/12/19	Snow	0.70	3	81	Sand	<30	390	740	1,130	
					2013/1/14	Snow	0.30	3	76	Sand	<30	270	510	780	
					2013/2/6	Snow	0.30	2	78	Sand	<30	290	560	850	
91	Hirosegawa River	Tatenokoshibushi Bridge	Kawamatamachi Town	2012/12/19	Sunny	0.30	5	91	Sand	<30	170	310	480		
2013/2/12				Cloudy	0.30	4	92	Sand	<30	140	250	390			
92		Jizogawarabashi Bridge	Dateshi City	2012/12/19	Sunny	0.30	3	94	Sand	<30	180	300	480		
				2013/1/15	Cloudy	0.30	3	92	Sand	<30	150	260	410		
	2013/2/6			Snow	0.20	3	94	Sand	<30	140	250	390			
93	Ogunigawa River	Before the confluence with Hirosegawa River		2012/12/6	Sunny	0.30	10	88	Sand	<30	1,100	1,900	3,000		
				2012/12/19	Sunny	0.40	3	90	Sand	<30	310	570	880		
				2013/1/15	Cloudy	0.50	3	87	Sand	<30	500	930	1,430		
				2013/2/5	Sunny	0.30	3	88	Gravel	<30	710	1,300	2,010		
94	Hirosegawa River	Before the confluence with Abukumagawa River		2012/12/6	Cloudy	0.70	10	94	Sand	<30	110	190	300		
				2012/12/27	Cloudy	0.20	5	91	Sand	<30	210	380	590		
				2013/1/14	Snow	0.20	5	91	Sand	<30	220	390	610		
				2013/2/13	Cloudy	0.30	10	93	Sand	<30	150	290	440		
95	O t h e r s	Kurokawa River	Tochigisakai	Shirakawashi City	2012/12/21	Cloudy	0.40	2	84	Sand	<30	73	140	213	
Kujigawa River		Matsuokabashi Bridge	Tanaguramachi Town	2013/1/24	Sunny	0.20	8	93	Gravel/sand	<30	17	39	56		
				2012/12/20	Sunny	0.40	5	95	Gravel/sand	<30	12	27	39		
				2013/1/14	Snow	0.65	3	90	Sand	<30	14	29	43		
				2012/12/21	Sunny	0.60	5	94	Sand	<30	<10	18	18		
		97	Takachiharabashi Bridge	Yamatsurimachi Town	2013/1/14	Snow	0.75	5	95	Gravel/sand	<30	<10	<10	-	

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

O
 River (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)				Property	Concentration of radioactive material Bq/kg (dry)							
							Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Total		Air dose μSv/h	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Total		Air dose μSv/h	
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/12/20	Sunny	Loamy	<30	1,900	3,500	5,400	0.45	Loamy/skeletal	<30	1,500	2,700	4,200	0.55		
				2013/1/28	Sunny	Loamy/clayish	<30	1,600	2,900	4,500	0.35	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
55		Tamachiohashi Bridge	Shirakawashi City	2012/12/20	Sunny	Loamy	<30	970	1,700	2,670	0.39	Loamy	<30	1,300	2,300	3,600	0.55		
				2013/1/14	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/2/14	Sunny	Loamy	<30	620	1,200	1,820	0.43	Loamy	<30	740	1,400	2,140	0.50		
				2013/3/4	Sunny	Loamy	<30	1,900	3,500	5,400	0.57	Loamy	<30	1,300	2,300	3,600	0.42		
56		Yantagawa River	Before the confluence with Abukumagawa River		2012/12/20	Sunny	Loamy	<30	2,800	5,200	8,000	0.41	Loamy	<30	1,700	3,000	4,700	0.47	
					2013/1/24	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
57		Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/12/20	Sunny	Skeletal	<30	270	500	770	0.21	Loamy	<30	220	400	620	0.23	
					2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
58	Kitasugawa River	Yanagibashi Bridge	Hiraturamura Village	2012/12/19	Sunny	Loamy	<30	340	600	940	0.15	Loamy/sandy	<30	160	290	450	0.12		
				2013/1/21	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
59	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/12/19	Sunny	Loamy/skeletal	<30	280	520	800	0.15	Loamy/skeletal	<30	150	270	420	0.14		
				2013/1/21	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
60	Yashirogawa River	Ojibashi Bridge			2012/12/19	Sunny	Loamy	<30	230	430	660	0.12	Loamy	<30	470	800	1,270	0.13	
				2013/1/21	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
61	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/12/13	Sunny	Sandy	<30	190	350	540	0.12	Loamy	<30	410	720	1,130	0.17		
				2013/1/7	Sunny	Sandy	<30	170	340	510	0.14	Sandy	<30	450	800	1,250	0.17		
				2013/1/28	Sunny	-	-	-	-	-	Sandy	<30	370	670	1,040	0.15	Unable to collect samples due to snow on the ground		
				2013/2/20	Sunny	Loamy	<30	640	1,200	1,840	0.13	Loamy	<30	240	430	670	0.13		
62		Emochibashi Bridge		2012/12/20	Sunny	Loamy	<30	610	1,100	1,710	0.28	Loamy	<30	430	790	1,220	0.30		
				2013/1/24	Sunny	Loamy	<30	310	580	890	0.23	Loamy	<30	360	630	990	0.23		
63	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2012/12/20	Sunny	Loamy/skeletal	<30	1,000	1,900	2,900	0.24	Loamy	<30	400	710	1,110	0.28		
				2013/1/24	Sunny	Loamy	<30	1,000	1,800	2,800	0.29	Loamy	<30	2,000	3,800	5,800	0.22		
				2012/12/12	Sunny	Loamy	<30	1,500	2,500	4,000	0.36	Loamy	<30	2,100	3,800	5,900	0.39		
64		Before the confluence with Abukumagawa River		2013/1/10	Sunny	Loamy/sandy	<30	360	660	1,020	0.30	Loamy/sandy	<30	210	350	560	0.34		
				2013/1/29	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/2/20	Sunny	Loamy	<30	410	700	1,110	0.30	Loamy	<30	510	980	1,490	0.35		
65	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/12/26	Cloudy	Loamy	<30	1,100	2,000	3,100	0.54	Loamy	<30	1,600	2,700	4,300	0.59		
				2013/1/23	Sunny	Loamy	<30	1,400	2,600	4,000	0.55	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
66	Yatagawa River	Yatagawabashi Bridge			2012/12/26	Sunny	Loamy	<30	1,500	2,700	4,200	0.37	Loamy	<30	790	1,400	2,190	0.43	
				2013/1/23	Sunny	Loamy	<30	2,000	3,600	5,600	0.35	Loamy	<30	1,600	3,000	4,600	0.34		
67	Otakinegawa River	Funehikibashi Bridge	Tamurashi City	2012/12/20	Sunny	Sandy	<30	260	460	720	0.24	Loamy	<30	750	1,300	2,050	0.21		
				2013/1/22	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
68		Before the confluence with Abukumagawa River		2012/12/26	Sunny	Loamy/skeletal	<30	1,300	2,400	3,700	0.40	Loamy	<30	960	1,700	2,660	0.40		
				2013/1/23	Sunny	Loamy	<30	760	1,400	2,160	0.36	Loamy	<30	880	1,700	2,580	0.46		
69	Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2012/12/26	Sunny	Loamy	<30	1,900	3,500	5,400	0.69	Loamy	<30	670	1,200	1,870	0.62		
				2013/1/24	Sunny	Loamy	<30	1,300	2,400	3,700	0.61	Loamy	<30	1,100	2,000	3,100	0.56		
70		Makunouchibashi Bridge		2012/12/26	Sunny	Loamy	<30	710	1,300	2,010	0.59	Loamy	<30	480	830	1,310	0.66		
				2013/1/23	Sunny	Loamy	<30	3,100	5,600	8,700	0.52	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
71		Before the confluence with Abukumagawa River		2012/12/7	Sunny	Loamy	<30	330	530	860	0.91	Loamy	<30	3,200	5,400	8,600	0.96		
				2013/1/9	Cloudy	Loamy	<30	1,400	2,500	3,900	0.86	Loamy	<30	1,500	2,700	4,200	0.72		
				2013/1/29	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/2/19	Cloudy	Loamy	<30	2,100	4,100	6,200	0.82	Loamy	<30	4,300	8,000	12,300	0.72		
72	Abukumagawa River	Akutsubashi Bridge		2012/12/7	Sunny	Sandy	<30	650	1,200	1,850	0.35	Loamy	<30	1,800	3,200	5,000	0.62		
				2013/1/10	Cloudy	Sandy	<30	260	480	740	0.37	Loamy	<30	3,600	6,800	10,400	0.67		
				2013/2/1	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/2/28	Sunny	Sandy	<30	400	740	1,140	0.37	Loamy	<30	2,600	4,900	7,500	0.66		

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)				Property	Concentration of radioactive material Bq/kg (dry)										
								Radioactive iodine	Radioactive cesium				Air dose	Radioactive iodine	Radioactive cesium			Air dose					
							I-131	Cs-134	Cs-137	Total	μSv/h		I-131	Cs-134	Cs-137	Total	μSv/h						
73	A b u k u m a g a w a R i v e r S y s t e m	Gohyakugawa River	After the confluence with Ishimurogawa River	Koriyamashi City	2012/12/26	Sunny	Sandy	<30	1,500	2,800	4,300	0.29	Loamy	<30	1,500	2,700	4,200	0.37					
						2013/1/23	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				
74			Kamisekishitabashi Bridge	Motomiyashi City	2012/12/21	Cloudy	Sandy	<30	950	1,700	2,650	0.66	Loamy	<39	6,000	10,000	16,000	1.07					
							2013/1/23	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
							2012/12/21	Sunny	Loamy	<30	720	1,300	2,020	0.97	Loamy/sandy	<30	2,300	4,100	6,400	1.31			
							2013/1/17	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
75		Before the confluence with Abukumagawa River				2013/2/8	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
						2013/3/1	Cloudy	Sandy	<30	150	290	440	0.60	-	-	-	-	-	-	-	Unable to collect samples due to construction		
76		Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2012/12/20	Sunny	Loamy	<30	1,300	2,400	3,700	0.95	Sandy	<30	950	1,800	2,750	0.78					
									2013/1/10	Sunny	Loamy	<30	1,300	2,400	3,700	0.91	Sandy	<30	1,100	2,000	3,100	0.68	
									2013/2/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
									2013/2/28	Sunny	Loamy	<30	1,600	3,000	4,600	0.88	Loamy	<30	2,400	4,400	6,800	0.71	
77		Kuchibutogawa River	Kuchibutogawabashi Bridge		2013/1/10	Sunny	Loamy	<30	1,000	1,900	2,900	0.38	Loamy	<30	650	1,200	1,850	0.35					
									2013/2/1	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
78		Utsushigawa River	Osegawabashi Bridge		2012/12/20	Sunny	Sandy	<30	1,100	1,900	3,000	0.86	Sandy	<30	1,300	2,300	3,600	0.90					
									2013/1/10	Sunny	Sandy	<30	2,200	4,300	6,500	0.90	Sandy	<30	1,400	2,600	4,000	0.84	
								2013/2/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
								2013/2/28	Sunny	Sandy	<30	920	1,800	2,720	0.50	Loamy	<30	1,700	3,300	5,000	0.82		
79	Mizuharagawa River	Getouchibashi Bridge	2012/12/20		Cloudy	Loamy	<30	940	1,700	2,640	1.17	Loamy	<30	2,400	4,200	6,600	1.15						
80	Megamigawa River	Tsurumakibashi Bridge	2013/2/12		Cloudy	Loamy	<30	2,500	4,600	7,100	0.82	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
								2012/12/20	Sunny	Loamy	<30	530	970	1,500	0.57	Loamy	<30	1,100	1,900	3,000	0.58		
81	Abukumagawa River	Horaibashi Bridge	2013/2/12		Cloudy	Loamy	<30	2,100	3,900	6,000	0.72	Loamy/skeletal	<30	1,800	3,400	5,200	0.61						
								2012/12/17	Cloudy	Loamy/sandy/skeletal	<30	120	210	330	0.27	Loamy/skeletal	<30	1,800	3,300	5,100	0.77		
								2013/1/9	Snow	Loamy	<30	2,000	3,700	5,700	0.76	Loamy	<36	6,700	12,000	18,700	0.82		
							2013/2/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
82	Nigorigawa River	Before the confluence with Omorigawa River	2013/2/27	Cloudy	Loamy	<30	1,800	3,500	5,300	0.75	Loamy	<30	2,200	4,100	6,300	0.81							
							2012/12/27	Sunny	Loamy	<30	1,400	2,600	4,000	1.01	Loamy	<30	3,200	5,800	9,000	0.92			
83	Arakawa River	Hinokurabashi Bridge	2013/2/13	Sunny	Loamy	<30	3,400	6,300	9,700	1.05	Loamy	<30	2,000	3,800	5,800	1.02							
							2012/12/27	Cloudy	Sandy/skeletal	<30	560	1,000	1,560	0.18	Loamy/skeletal	<30	1,100	2,000	3,100	0.23			
84	Sukawa River	Sukawabashi Bridge	2013/2/28	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				
							2012/12/20	Snow	Loamy	<30	1,100	2,100	3,200	0.32	Loamy	<50	13,000	23,000	36,000	0.32			
							2013/2/13	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
							2012/12/6	Cloudy	Loamy	<30	1,400	2,500	3,900	1.30	Loamy	<30	1,400	2,400	3,800	1.47			
85	Arakawa River	Before the confluence with Abukumagawa River	Fukushimashi City	2013/1/9	Snow	Loamy	<30	2,700	4,800	7,500	1.40	Loamy	<30	2,800	5,100	7,900	1.57						
								2013/1/29	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
								2013/2/17	Sunny	Loamy	<30	2,000	3,600	5,600	1.02	Loamy	<30	4,100	7,800	11,900	1.23		
								2012/12/17	Cloudy	Loamy	<34	5,800	10,000	15,800	1.90	Loamy/sandy	<30	1,200	2,200	3,400	1.32		
86	Matsukawa River	Before the confluence with Abukumagawa River		2013/1/9	Snow	Loamy	<33	5,700	11,000	16,700	1.86	Loamy	<30	1,900	3,500	5,400	1.36						
								2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
								2013/2/28	Cloudy	Loamy	<30	3,300	6,200	9,500	1.82	Loamy	<30	1,900	3,600	5,500	1.19		
								2012/12/27	Sunny	Loamy/skeletal	<30	1,500	2,800	4,300	0.89	Loamy	<30	1,600	3,000	4,600	0.74		
87	Hattandagawa River	Hattandabashi Bridge		2013/2/25	Cloudy	Loamy	<30	1,100	2,000	3,100	0.53	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
								2012/12/27	Sunny	Sandy	<30	1,900	3,500	5,400	0.48	Loamy/skeletal	<30	3,600	6,500	10,100	0.75		
88	Surikamigawa River	Totsunabashi Bridge		2013/2/13	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
								2012/12/6	Sunny	Loamy	<30	2,200	4,000	6,200	0.87	Loamy	<30	1,700	2,900	4,600	0.81		
								2013/1/9	Cloudy	Loamy	<30	1,300	2,300	3,600	0.69	Loamy	<30	1,300	2,400	3,700	0.91		
								2013/1/30	Cloudy	Loamy	<30	1,500	3,000	4,500	0.58	Loamy	<30	1,100	2,100	3,200	0.79		
89				Before the confluence with Abukumagawa River	2013/2/20	Sunny	Loamy	<30	4,300	7,900	12,200	0.62	Loamy	<30	1,000	1,900	2,900	1.01					

○River (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)					Property	Concentration of radioactive material Bq/kg (dry)					
								Radioactive iodine	Radioactive cesium			Air dose		Radioactive iodine	Radioactive cesium				Air dose
							I-131	Cs-134	Cs-137	Total	μSv/h		I-131	Cs-134	Cs-137	Total	μSv/h		
90	A b u k u m a g a w a	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/12/6	Sunny	Loamy	<30	1,400	2,300	3,700	0.57	Loamy	<30	590	1,000	1,590	0.66	
					2012/12/19	Snow	Loamy	<30	54	110	164	0.10	Loamy	<30	2,400	4,200	6,600	0.11	
					2013/1/14	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	-	
91		Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2012/12/19	Sunny	Loamy	<30	460	850	1,310	0.87	Skeletal	<53	9,700	17,000	26,700	0.83	
			2013/2/12		Cloudy	Loamy	<30	860	1,600	2,460	0.59	Loamy	<30	2,200	4,000	6,200	0.52		
92	R i v e r	Hirosegawa River	Jizogawarabashi Bridge	Dateshi City	2012/12/19	Sunny	Loamy	<30	900	1,600	2,500	0.27	Loamy	<30	1,100	2,000	3,100	0.31	
					2013/1/15	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	-	
93	S y s t e m	Ogunigawa River	Before the confluence with Hirosegawa River		2012/12/6	Sunny	Loamy	<35	3,200	5,400	8,600	0.63	Loamy	<30	1,300	2,300	3,600	0.73	
					2012/12/19	Sunny	Loamy	<30	1,200	2,200	3,400	0.52	Loamy	<30	1,500	2,800	4,300	0.52	
					2013/1/15	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/2/5	Sunny	Loamy	<30	1,200	2,300	3,500	0.60	Loamy	<30	1,700	3,300	5,000	0.66	
94		Hirosegawa River	Before the confluence with Abukumagawa River		2012/12/6	Cloudy	Loamy	<30	3,600	6,600	10,200	0.64	Loamy	<30	730	1,200	1,930	0.64	
					2012/12/27	Cloudy	Loamy	<30	1,900	3,600	5,500	0.56	Loamy	<30	660	1,200	1,860	0.53	
					2013/1/14	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/2/13	Cloudy	Loamy	<30	1,700	3,200	4,900	0.49	Loamy	<30	570	1,100	1,670	0.50	
95	O t h e r s	Kurokawa River	Tochigisakai	Shirakawashi City	2012/12/21	Cloudy	Loamy	<30	650	1,100	1,750	0.47	Loamy	<30	2,400	4,300	6,700	0.43	
					2013/1/24	Sunny	Loamy	<37	4,500	8,300	12,800	0.39	Loamy	<30	1,900	3,400	5,300	0.37	
96		Kujigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2012/12/20	Sunny	Loamy	<30	310	550	860	0.15	Loamy/skeletal	<30	100	170	270	0.20	
			2013/1/14		Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
97		Kujigawa River	Takachiharabashi Bridge	Yamatsurimachi Town	2012/12/21	Sunny	Loamy/skeletal	<30	77	150	227	0.12	Loamy	<30	40	77	117	0.10	
			2013/1/14		Snow	Loamy	<30	88	170	258	0.13	Loamy	<30	65	120	185	0.12		

•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-171 or TCS-172 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.

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

No.	Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137	
98	Aganogawa River	Tajimabashi Bridge	Mnamiizumachi Town	2012/12/26	Snow	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
		Okawabashi Bridge		2013/2/20	Cloudy	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
99	Yukawa River	Takimibashi Bridge	Aizuwakamatsushi City	2012/12/26	Snow	0.50	0.0	>100	9	<1	1	<1	<1	<1	- Unable to collect samples due to snow on the ground
		Shinyukawabashi Bridge		2013/2/20	Sunny	0.60	0.0	65	18	3	1	<1	<1	<1	-
100	Miyakawa River	Before the confluence with Aganogawa River	Aizubangemachi Town	2012/12/27	Sunny	0.25	0.0	90	24	2	1	<1	<1	<1	-
				2013/2/18	Sunny	0.50	0.0	74	22	3	2	<1	<1	<1	-
101	Miyakawa River	Before the confluence with Aganogawa River	Aizubangemachi Town	2013/2/18	Sunny	0.20	0.0	60	20	3	2	<1	<1	<1	-
				2012/12/27	Sunny	0.30	0.0	65	24	3	3	<1	<1	<1	-
102	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2013/2/22	Sunny	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
				2012/12/27	Snow	0.30	0.0	>100	12	3	2	<1	<1	<1	-
103	Aganogawa River	Miyakobashi Bridge	Aizubangemachi Town	2013/2/19	Cloudy	0.60	0.0	>100	13	6	2	<1	<1	<1	-
				2012/12/27	Cloudy	0.30	0.0	>100	12	<1	1	<1	<1	<1	-
104	Nippashigawa River	Minamiohashi Bridge	Kitakatsushi City	2013/2/19	Cloudy	1.00	0.0	>100	15	2	1	<1	<1	<1	-
				2012/12/13	Sunny	0.20	0.0	44	19	2	2	<1	<1	<1	-
105	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2013/1/9	Snow	0.60	0.0	>100	17	1	1	<1	<1	<1	-
				2013/1/30	Sunny	0.70	0.0	>100	17	5	3	<1	<1	<1	-
106	Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2013/2/21	Snow	0.85	0.0	70	22	3	3	<1	<1	<1	-
				2013/1/9	Snow	0.40	0.0	>100	21	<1	1	<1	<1	<1	-
107	Tatsukigawa River	Ohashi Bridge	Kitakatsushi City	2013/1/30	Sunny	0.30	0.0	>100	22	4	2	<1	<1	<1	-
				2012/12/27	Sunny	0.40	0.0	56	17	4	<1	<1	<1	<1	-
108	Tatsukigawa River	Shimokawanabashi Bridge	Kitakatsushi City	2013/2/19	Snow	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
				2013/1/9	Cloudy	0.80	0.0	94	12	<1	1	<1	<1	<1	-
109	Nigorigawa River	Yamazakibashi Bridge	Kitakatsushi City	2013/1/31	Sunny	0.60	0.0	>100	12	2	1	<1	<1	<1	-
				2013/1/9	Snow	0.30	0.0	>100	18	2	2	<1	<1	<1	-
110	Nigorigawa River	Yamazakibashi Bridge	Kitakatsushi City	2013/1/31	Sunny	0.20	0.0	>100	20	3	2	<1	<1	<1	-
				2013/1/9	Cloudy	0.20	0.0	>100	14	<1	1	<1	<1	<1	-
111	Inagawa River	Kuroawabashi Bridge	Mnamiizumachi Town	2013/1/31	Sunny	0.30	0.0	>100	15	3	1	<1	<1	<1	-
				2013/1/31	Sunny	0.30	0.0	>100	15	3	1	<1	<1	<1	-
112	Inagawa River	Kuroawabashi Bridge	Mnamiizumachi Town	2012/12/26	Snow	0.20	0.0	>100	7	<1	1	<1	<1	<1	-
				2013/2/20	Snow	0.40	0.0	>100	8	<1	1	<1	<1	<1	-
113	Tadamigawa River	Nishitanibashi Bridge	Kaneyamamachi Town	2013/1/10	Snow	0.50	0.0	>100	10	<1	1	<1	<1	<1	-
				2013/2/20	Snow	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
114	Tadamigawa River	Fujibashi Bridge	Aizubangemachi Town	2013/5/6	Sunny	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
				2013/1/9	Snow	0.40	0.0	50	8	4	2	<1	<1	<1	-
115	Aganogawa River	Shingo Dam	Kitakatsushi City	2013/1/31	Sunny	0.25	0.0	61	7	6	5	<1	<1	<1	-
				2012/12/25	Snow	0.20	0.0	62	9	3	2	<1	<1	<1	-
116	Sukawa River	Sukawano	Inawashiroemachi Town	2013/2/19	Snow	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
				2013/1/10	Snow	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
117	Sukawa River	Sukawano	Inawashiroemachi Town	2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
				2012/12/13	Snow	0.50	0.0	>100	105	<1	0	<1	<1	<1	-
118	Nagasegawa River	Koganebashi Bridge	Inawashiroemachi Town	2013/1/7	Sunny	0.50	0.0	>100	99	<1	0	<1	<1	<1	-
				2013/1/29	Sunny	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
119	Takahashigawa River	Shinbashi Bridge	Inawashiroemachi Town	2013/2/21	Cloudy	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
				2012/12/13	Sunny	0.40	0.0	38	40	39	10	<1	<1	<1	-
120	Ogurogawa River	Umenohashi Bridge	Inawashiroemachi Town	2013/1/9	Snow	0.60	0.0	>100	38	4	4	<1	<1	<1	-
				2013/1/29	Sunny	0.50	0.0	95	12	5	2	<1	<1	<1	-
121	Hishinmagawa River	Sekido District	Inawashiroemachi Town	2013/2/21	Cloudy	0.20	0.0	78	16	7	2	<1	<1	<1	-
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
122	Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	2013/1/30	Cloudy	-	-	-	-	-	-	-	-	-	-
				2013/3/7	Sunny	0.80	0.0	>100	27	2	2	<1	<1	<1	-
123	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/1/9	Snow	0.80	0.0	93	34	1	2	<1	<1	<1	-
				2013/2/21	Cloudy	0.80	0.0	31	41	11	8	<1	<1	<1	-
124	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/1/9	Snow	0.60	0.0	45	21	4	4	<1	<1	<1	-
				2013/1/30	Cloudy	0.60	0.0	20	22	16	10	<1	<1	<1	-
125	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/1/9	Snow	0.40	0.0	>100	9	<1	0	<1	<1	<1	-
				2013/1/30	Cloudy	0.50	0.0	>100	16	1	1	<1	<1	<1	-
126	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/1/30	Snow	-	-	-	-	-	-	-	-	-	- Unable to collect samples due to snow on the ground
				2013/3/7	Sunny	0.20	0.0	>100	7	<1	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.

ORiver (Fukushima Prefecture, Aizu Area) : Sediment Monitoring Results

No.	Sampling point			Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)				Remarks
	Water body	Point	Municipality				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	
98	Aganogawa River	Tajimabashi Bridge	Mnamiizumachi Town	2012/12/26	Snow	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
		Okawabashi Bridge		2013/2/20	Cloudy	-	-	-	-	-	-	-	-	
99				2012/12/26	Snow	0.50	1	96	Gravel	<30	<10	<10	-	Unable to collect samples due to snow on the ground
				2013/2/20	Sunny	0.60	3	87	Gravel	<30	47	77	124	
100		Takimibashi Bridge	Aizuwakamatsushi City	2012/12/27	Sunny	0.25	1	87	Gravel/sand	<30	41	70	111	
		Shinyukawabashi Bridge		2012/12/27	Sunny	0.50	4	83	Gravel/sand	<30	86	150	236	
101				2012/12/27	Sunny	0.20	1	89	Gravel/sand	<30	39	65	104	
		Before the confluence with Aganogawa River		2012/12/27	Sunny	0.30	5	90	Gravel	<30	53	100	153	
102				2012/12/27	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2012/12/27	Snow	0.30	2	93	Gravel	<30	18	37	55	
103	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/12/19	Cloudy	0.60	5	80	Sand	<30	60	110	170	
				2012/12/27	Cloudy	0.30	4	93	Sand	<30	<10	<10	-	
104	Aganogawa River	Miyakobashi Bridge		2013/2/19	Cloudy	1.00	2	92	Sand	<30	<10	11	-	
				2012/12/13	Sunny	0.20	3	70	Mud	<30	120	230	350	
105	Nippashigawa River	Minamiobashi Bridge	Kitakatashi City	2013/1/9	Snow	0.60	4	70	Silt	<30	180	350	530	
				2013/1/30	Sunny	0.70	3	71	Sand	<30	210	380	590	
106				2013/2/21	Snow	0.85	3	67	Sand/silt	<30	170	310	480	
				2013/1/29	Snow	0.40	2	95	Silt	<30	24	48	72	
107	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2013/1/30	Sunny	0.30	5	57	Silt	<30	890	1700	2590	
				2012/12/27	Sunny	0.40	6	80	Sand/silt	<30	95	170	265	
108	Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2013/2/19	Snow	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/9	Cloudy	0.80	2	89	Gravel	<30	30	56	86	
109		Shimokawarabashi Bridge		2013/1/31	Sunny	0.60	3	86	Sand	<30	43	78	121	
				2013/1/9	Snow	0.30	5	90	Sand	<30	26	41	67	
110	Nigorigawa River	Nigorigawabashi Bridge	Kitakatashi City	2013/1/31	Sunny	0.20	3	67	Sand	<30	240	490	730	
				2013/1/9	Cloudy	0.20	3	93	Sand	<30	16	16	32	
111		Yamazakibashi Bridge		2013/1/31	Sunny	0.20	2	91	Sand	<30	16	35	51	
				2013/1/9	Cloudy	0.30	3	90	Sand	<30	14	26	40	
112	Inagawa River	Aoyagibashi Bridge	Mnamiizumachi Town	2013/1/31	Sunny	0.30	3	59	Sand	<30	120	230	350	
				2012/12/26	Snow	0.20	1	94	Sand	<30	<10	<10	-	
113		Kurosawabashi Bridge	Tadaminachi Town	2013/2/20	Snow	0.40	3	95	Sand	<30	<10	<10	-	
				2013/1/10	Snow	0.50	10	84	Sand/silt	<30	<10	<10	-	
114	Tadamigawa River	Nishitambashi Bridge	Kaneyamamachi Town	2013/2/20	Snow	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/3/6	Sunny	-	-	-	-	-	-	-	-	
115				2013/1/9	Snow	0.40	5	81	Silt	<30	<10	<10	-	
				2013/1/31	Sunny	0.25	2	92	Gravel/sand	<30	<10	<10	-	
116	Aganogawa River	Fujibashi Bridge	Aizubangemachi Town	2012/12/25	Snow	0.20	4	62	Mud	<30	81	160	241	
				2013/2/19	Snow	-	-	-	-	-	-	-	-	
117				2013/1/10	Snow	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/31	Sunny	-	-	-	-	-	-	-	-	
118	Sukawa River	Sukawano	Inawashiro-machi Town	2012/12/13	Snow	0.50	4	81	Sand	<30	29	57	86	
				2013/1/7	Sunny	0.50	5	91	Gravel/sand	<30	<10	18	28	
119				2013/1/29	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/2/21	Cloudy	-	-	-	-	-	-	-	-	
120				2012/12/13	Sunny	0.40	2	89	Gravel	<30	14	28	42	
				2013/1/9	Snow	0.60	15	92	Gravel	<30	16	31	47	
121				2013/1/29	Sunny	0.50	3	92	Sand	<30	16	39	55	
				2013/2/21	Cloudy	0.20	5	82	Sand	<30	80	140	220	
122	Takahashigawa River	Shinbashi Bridge		2013/1/29	Snow	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/30	Cloudy	-	-	-	-	-	-	-	-	
123				2013/3/7	Sunny	0.80	3	72	Sand	<30	84	160	244	
				2013/1/9	Snow	0.80	4	62	Sand/silt	<30	170	310	480	
124	Ogurogawa River	Umenohashi Bridge		2013/2/21	Cloudy	0.80	1	83	Sand/silt	<30	27	46	73	
				2013/1/9	Snow	0.60	5	43	Mud+Leaf mold	<30	190	330	520	
125				2013/1/30	Cloudy	0.60	10	53	Silt	<30	130	230	360	
				2013/1/9	Snow	0.40	5	83	Gravel/sand	<30	<10	17	27	
126				2013/1/30	Sunny	0.30	3	84	Sand	<30	<10	21	31	
				2013/1/9	Cloudy	0.50	4	88	Sand	<30	<10	13	23	
127	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/1/30	Snow	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/3/7	Sunny	0.20	2	90	Gravel/sand	<30	10	17	27	

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

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

Sampling point				Sampling date	Weather	Property	Left bank					Right bank					Remarks		
No.	Water body	Point	Municipality				Concentration of radioactive material Bq/kg (dry)					Property	Concentration of radioactive material Bq/kg (dry)						
							Radioactive iodine	Radioactive cesium			Air dose μSv/h		Radioactive iodine	Radioactive cesium				Air dose μSv/h	
								I-131	Cs-134	Cs-137				Total	I-131	Cs-134			Cs-137
98	Aganogawa River	Tajimabashi Bridge	Minamiazumachi Town	2012/12/26	Snow	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
				2013/2/20	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
99		Okawabashi Bridge		2012/12/26	Snow	Loamy	<30	220	390	610	0.08	Loamy	<30	330	540	870	0.09	Unable to collect samples due to snow on the ground	
100	Yukawa River	Takinabashi Bridge	Aizuwakamatsushi City	2012/12/27	Sunny	Loamy/skeletal	<30	1,700	3,000	4,700	0.15	Loamy	<30	81	140	221	0.09	Unable to collect samples due to snow on the ground	
		Shinyukawabashi Bridge		2012/12/27	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2012/12/27	Snow	<30	460	870	1,330	0.25	Loamy/skeletal	<30	820	1,500	2,320	0.22	Unable to collect samples due to snow on the ground		
				2012/12/18	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				Before the confluence with Aganogawa River	2012/12/27	Sunny	Loamy	<30	530	990	1,520	0.18	Loamy	<30	550	1,000	1,550	0.21	Unable to collect samples due to snow on the ground
					2012/12/22	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
103	Miyakawa River	Sakunabashi Bridge	Aizubangemachi Town	2012/12/27	Snow	Loamy/sandy	<30	500	880	1,380	0.17	Loamy	<30	1,900	3,500	5,400	0.21	Unable to collect samples due to snow on the ground	
				2012/12/19	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
104	Aganogawa River	Miyakobashi Bridge		2012/12/27	Cloudy	Loamy	<30	700	1,300	2,000	0.16	Loamy	<30	660	1,200	1,860	0.13	Unable to collect samples due to snow on the ground	
				2012/12/19	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
105	A g a n o g a w a R i v e r	Nippashigawa River	Kitakatashi City	2012/12/13	Sunny	Loamy	<30	690	1,200	1,890	0.19	Loamy	<30	110	170	280	0.18	Unable to collect samples due to snow on the ground	
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/30	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/2/21	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/30	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/12/27	Sunny	Sandy	<30	430	760	1,190	0.16	Loamy/sandy/skeletal	<30	220	380	600	0.12	Unable to collect samples due to snow on the ground	
107	Kyumiakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/12/27	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
108	T a t s u k i g a w a R i v e r	Ohashi Bridge	Kitakatashi City	2013/1/9	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				Nigorigawabashi Bridge	2013/1/9	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/1/9	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
110	Nigorigawa River			2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
111	I n a g a w a R i v e r	Aoyagibashi Bridge	Minamiazumachi Town	2012/12/26	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2012/12/20	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/10	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/2/20	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/3/6	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
112	S y s t e m	Tadunigawa River	Kaneyamamachi Town	2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2012/12/25	Snow	Sandy	<30	12	25	37	0.09	Loamy	<30	310	570	880	0.17	Unable to collect samples due to snow on the ground	
				2013/2/19	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/10	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2012/12/13	Sunny	Sandy	<30	710	1,300	2,010	0.15	Loamy/skeletal	<30	440	780	1,220	0.13	Unable to collect samples due to snow on the ground	
116	Aganogawa River	Shingo Dam	Kitakatashi City	2013/1/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/29	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
117	S u k a w a R i v e r	Sukawano		2012/12/13	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/2/21	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2012/12/13	Sunny	Loamy	<30	130	220	350	0.07	Loamy/sandy/skeletal	<30	<10	<10	-	0.05	Unable to collect samples due to snow on the ground	
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/29	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/2/21	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
118	Nagasegawa River	Koganebashi Bridge	Inawashiomachi Town	2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/30	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/30	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
119	Takahashigawa River	Shinbashi Bridge		2013/2/21	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
120	H i s h i m u g a w a R i v e r	Umenohashi Bridge	Sekido District	2013/2/21	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/1/30	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/1/9	Snow	Loamy	<30	520	910	1,430	0.11	Loamy	<30	200	350	550	0.08	Unable to collect samples due to snow on the ground
					2013/1/30	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/1/9	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
122	Funatsugawa River	Funatsubashi Bridge	Koriyamachi City	2013/1/9	Snow	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
123	Haragawa River	Estuary, front	Aizuwakamatsushi City	2013/3/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	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-171 or TCS-172 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.

○Lake and Headwater: Water Quality Monitoring Results

Sampling point				Municipality	Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks	
No.	Point		Sampling depth m					Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium				
													Cs-134	Cs-137			
1	H a m a d o r i	Takei (farm pond)	Surface layer	Shinchimachi Town	2012/12/18	Cloudy	4.4	0.5	1.3	22	3	4	<1	<1	<1		
			Lower layer					3.4		21	7	6	<1	<1	<1		
			Surface layer		2013/1/8	Cloudy	3.1	0.5	21	4	4	<1	<1	<1			
			Lower layer					2.1	21	6	6	<1	<1	<1			
			Surface layer		2013/1/31	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
			Surface layer		2013/3/6	Sunny	3.6	0.5	28	6	6	<1	<1	<1			
			Lower layer					2.6	28	7	6	<1	<1	<1			
2		Uchizawa (farm pond)	Surface layer	Somashi City	2013/1/8	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to construction	
			Surface layer		2013/1/30	Sunny	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/3/6	Sunny	-	-	-	-	-	-	-	-	-		-
3		Matsugabo Dam (Utagawako Lake)	Surface layer		2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
4		Mano Dam	Surface layer		2012/12/4	Rain	52.8	0.5	3.5	8	1	2	<1	<1	<1		
			Lower layer					51.8		16	7	5	<1	<1	1		
			Surface layer		2012/12/27	Sunny	49.2	0.5	2.5	9	<1	1	<1	<1	<1	Evacuation order lifting preparation areas	
			Lower layer					48.2		9	<1	2	<1	<1	<1		
			Surface layer		2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			Surface layer		2013/2/5	Sunny	47.2	0.5	3.5	9	2	2	<1	<1	<1		
			Lower layer					46.2		9	2	2	<1	<1	<1		
			Surface layer		2013/2/26	Sunny	49.0	0.5	2.0	7	3	3	<1	<1	<1		
			Lower layer					48.0		8	3	3	<1	<1	<1		
5		Ainosawa (farm pond)	Surface layer	Iitate-mura Village	2012/12/19	Sunny	0.2	-	0.2	5	2	1	<1	<1	<1	Unable to collect samples due to freezing	
			Surface layer		2013/1/22	Snow	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/2/26	Sunny	-	-	-	-	-	-	-	-	-		-
6		Ganbe Dam Reservoir	Surface layer		2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
			Surface layer		2013/2/27	Sunny	-	-	-	-	-	-	-	-	-		
7		Fugane Dam (farm pond)	Surface layer		2012/12/19	Sunny	0.3	-	0.3	7	<1	0	<1	<1	<1	Living-restricted areas Collected only from the surface layer	
			Surface layer		2013/1/22	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			Surface layer		2013/2/26	Cloudy	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
8		Sasatoge (farm pond)	Surface layer		2012/12/19	Sunny	0.4	-	0.4	5	<1	1	<1	<1	<1	Unable to collect samples due to snow on the ground	
			Surface layer		2013/1/22	Snow	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/2/27	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
9		Takanokura Dam Reservoir	Surface layer		2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
			Surface layer		2013/2/12	Cloudy	-	-	-	-	-	-	-	-	-		
			10			Yokokawa Dam Reservoir	Surface layer		2013/1/17	Sunny	3.7	0.5	2.8	6	2	2	<1
Lower layer	2.7	6		8			3					<1		<1	1		
Surface layer	2013/2/12	Sunny		1.8			0.5		1.5	7	1	1	<1	<1	<1		
Lower layer							0.8			8	3	1	<1	<1	<1		
11		Tarayachi (farm pond)	Surface layer	Minamisomashi City	2013/1/14	Snow	-	-	-	-	-	-	-	-	-	Former evacuation-prepared areas in case of emergency	
			Surface layer		2013/2/12	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to drought
12		Takeshiyachi (farm pond)	Surface layer		2012/12/18	Cloudy	0.2	-	0.1	7	48	54	<1	<1	1		
			Surface layer		2013/1/8	Sunny	0.2	-	0.2	10	20	20	<1	<1	<1		
			Surface layer		2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	-	Evacuation order lifting preparation areas Unable to collect samples due to freezing
			Surface layer		2013/2/26	Sunny	-	-	-	-	-	-	-	-	-	-	
13		Ryugasaku (farm pond)	Surface layer		2012/12/18	Cloudy	0.3	-	0.3	8	8	8	<1	<1	<1	Evacuation order lifting preparation areas	
			Surface layer		2013/1/14	Snow	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/2/27	Cloudy	-	-	-	-	-	-	-	-	-		-
14		Uwatashiro (farm pond)	Surface layer	Kawamatamachi Town	2012/12/19	Sunny	0.2	-	0.2	5	19	9	<1	<1	2	Unable to collect samples due to snow on the ground	
			Surface layer		2013/1/14	Snow	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/2/11	Snow	-	-	-	-	-	-	-	-	-		-
15		Koakuto (farm pond)	Surface layer	Namiemachi Town	2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			Surface layer		2012/12/19	Sunny	0.5	-	0.5	12	3	2	<1	1	3	Deliberate evacuation areas Collected only from the surface layer	
			Surface layer		2013/2/4	Rain	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing

OLake and Headwater: Water Quality Monitoring Results

Sampling point					Municipality	Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L				Remarks
No.	Point			Sampling depth m					Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				
16	Yosouchi (farm pond)	Surface layer	Iitatemura Village		2012/12/19	Sunny	0.2	-	0.2	6	15	6	<1	<1	<1	Unable to collect samples due to freezing		
		Surface layer			2013/1/22	Cloudy	-	-	-	-	-	-	-	-				
		Surface layer			2013/2/26	Cloudy	-	-	-	-	-	-	-	-	-			
17	Myobusaku No. 2 (farm pond)	Surface layer	Minamisomashi City		2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
		Surface layer			2013/3/6	Sunny	0.3	-	0.3	5	1	1	<1	<1	<1	Evacuation order lifting preparation areas Collected only from the surface layer due to		
18	Ogaki Dam	Surface layer	Namiemachi Town		2012/12/4	Cloudy	0.3	-	0.3	7	2	3	<1	<1	1	Restricted areas Collected only from the surface layer due to Unable to collect samples due to freezing		
		Surface layer			2012/12/27	Sunny	0.5	-	0.5	8	<1	1	<1	<1	<1			
		Surface layer			2013/1/16	Sunny	-	-	-	-	-	-	-	-	-		-	
19	Uenokawa (farm pond)	Surface layer	Katsuraoomura Village		2012/12/19	Cloudy	-	-	-	-	-	-	-	-	-	Deliberate evacuation areas Unable to collect samples due to drought Unable to collect samples due to snow on the ground		
		Surface layer			2013/1/14	Snow	-	-	-	-	-	-	-	-	-			
		Surface layer			2013/2/4	Rain	-	-	-	-	-	-	-	-	-		-	
		Surface layer			2013/3/5	Cloudy	-	-	-	-	-	-	-	-	-		-	
20	Heigoiri (farm pond)	Surface layer	Iitatemura Village		2012/12/19	Sunny	0.2	-	0.2	4	3	2	<1	<1	<1	Deliberate evacuation areas Unable to collect samples due to snow on the		
		Surface layer			2013/1/22	Snow	-	-	-	-	-	-	-	-	-			
		Surface layer			2013/2/26	Cloudy	-	-	-	-	-	-	-	-	-		-	
21	Mekurasawa No. 2 (farm pond)	Surface layer	Namiemachi Town		2012/12/18	Sunny	0.3	-	0.1	16	17	15	<1	<1	1	Restricted areas Collected only from the surface layer due to		
		Surface layer			2013/1/16	Sunny	0.3	-	0.3	20	28	16	<1	2	3			
		Surface layer			2013/2/5	Sunny	0.3	-	0.2	15	19	17	<1	<1	2			
22	Joroku (farm pond)	Surface layer	Namiemachi Town		2012/12/18	Sunny	0.3	-	0.2	17	15	11	<1	<1	1	Unable to collect samples due to freezing		
		Surface layer			2013/1/16	Sunny	-	-	-	-	-	-	-	-	-			
		Surface layer			2013/3/5	Sunny	0.5	-	0.2	15	63	55	<1	1	4			
23	Furumichigawa Power Plant Dam	Surface layer	Tamurashi City		2013/1/25	Cloudy	-	-	-	-	-	-	-	-	-	Evacuation order lifting preparation areas		
		Surface layer			2013/2/19	Cloudy	-	-	-	-	-	-	-	-	-	-		
24	Sawairi No. 1 (farm pond)	Surface layer	Futabamachi Town		2012/12/18	Sunny	0.3	-	0.2	21	2	5	<1	1	2	Unable to collect samples due to snow on the ground Restricted areas Collected only from the surface layer due to		
		Surface layer			2013/1/17	Sunny	-	-	-	-	-	-	-	-	-			
		Surface layer			2013/3/5	Sunny	0.5	-	0.3	22	2	4	<1	<1	1			
25	Suzunai No. 4 (farm pond)	Surface layer	Okumamachi Town		2012/12/18	Sunny	0.5	-	0.2	26	62	66	<1	20	35	Difficult-to-return areas Unable to collect samples due to snow on the		
		Surface layer			2013/1/17	Sunny	0.3	-	0.1	22	25	30	<1	8	15			
		Surface layer			2013/2/6	Snow	-	-	-	-	-	-	-	-	-			
		Surface layer			2013/2/27	Cloudy	0.3	-	0.3	22	140	160	<1.3	35	65			
26	Nishihaguro (farm pond)	Surface layer	Futabamachi Town		2012/12/18	Sunny	0.3	-	0.3	12	3	4	<1	1	3	Restricted areas Collected only from the surface layer due to		
		Surface layer			2013/1/15	Cloudy	0.3	-	0.3	12	3	4	<1	<1	2			
		Surface layer			2013/2/6	Snow	0.2	-	0.2	13	5	5	<1	1	2			
27	Sakashita Dam	Surface layer	Okumamachi Town		2012/12/26	Sunny	21.5	0.5	3.0	8	1	1	<1	<1	<1	Living-restricted areas		
		Lower layer						20.5		8	2	2	<1	<1	<1			
		Surface layer			2013/1/16	Sunny	17.0	0.5	2.5	12	<1	1	<1	<1	<1			
		Lower layer						16.0		11	61	31	<1	<1	<1			
		Surface layer			2013/2/6	Snow	20.5	0.5	2.4	9	<1	1	<1	<1	<1			
		Lower layer						19.5		9	<1	2	<1	<1	<1			
28	Atamamori 2 (farm pond)	Surface layer			2012/12/18	Sunny	0.5	-	0.5	13	<1	2	<1	<1	1			
		Surface layer			2013/1/17	Sunny	0.4	-	0.4	14	2	2	<1	<1	<1			
		Surface layer			2013/2/6	Snow	0.2	-	0.2	15	5	5	<1	<1	<1			
29	Yonomori (farm pond)	Surface layer			2012/12/5	Sunny	1.2	-	0.3	12	11	14	<1	<1	2			
		Surface layer			2013/1/17	Sunny	1.1	-	1.1	12	7	6	<1	<1	2			
		Surface layer			2013/2/6	Snow	1.1	-	0.3	14	11	10	<1	<1	1			
30	Takikawa Dam	Surface layer	Tomioakamachi Town		2012/12/5	Sunny	0.3	-	0.3	8	<1	1	<1	<1	<1	Restricted areas Collected only from the surface layer due to		
		Surface layer			2012/12/26	Sunny	0.4	-	0.4	9	<1	0	<1	<1	<1			
		Surface layer			2013/1/16	Sunny	0.3	-	0.3	4	<1	1	<1	<1	<1			
		Surface layer			2013/2/6	Snow	0.2	-	0.2	9	<1	0	<1	<1	<1			
		Surface layer			2013/2/27	Cloudy	0.2	-	0.2	7	13	5	<1	<1	<1			
		Surface layer			2012/12/5	Sunny	0.2	-	0.2	14	13	11	<1	<1	<1			
31	Takinosawa (farm pond)	Surface layer			2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
		Surface layer			2013/3/7	Sunny	0.3	-	0.3	12	4	4	<1	<1	<1			

Lake and Headwater: Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks		
No.	Point		Municipality				Sampling depth m	Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				
32	H a m a d o r i	Kamisigeoka No. 1 (farm pond)	Surface layer	Narahamachi Town	2013/1/17	Sunny	0.3	-	0.3	13	8	8	<1	<1	<1	Evacuation order lifting preparation areas	
					2013/2/7	Sunny	0.6	-	0.6	9	3	3	<1	<1	<1		
33		Shimoshigeoka (farm pond)	Surface layer		2013/1/17	Sunny	0.5	-	0.5	10	<1	1	<1	<1	<1		
					2013/2/7	Sunny	0.5	-	0.5	12	2	2	<1	<1	<1		
34		Komachi Dam	Surface layer	Onomachi Town	2012/12/14	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
			Surface layer		2013/1/17	Sunny	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/3/1	Cloudy	-	-	-	-	-	-	-	-	-		
35		Kido Dam	Surface layer	Narahamachi Town	2012/12/5	Sunny	49.2	0.5	3.4	6	1	1	<1	<1	<1	Evacuation order lifting preparation areas	
			Lower layer					48.2		6	4	4	<1	<1	<1		
			Surface layer		2012/12/27	Sunny	7.5	0.5	3.5	6	<1	1	<1	<1	<1		
			Lower layer					6.5		6	<1	1	<1	<1	<1		
			Surface layer		2013/1/18	Snow	-	-	-	-	-	-	-	-	-		Unable to collect samples due to snow on the ground
			Surface layer		2013/3/6	Sunny	6.7	0.5	6.1	6	<1	1	<1	<1	<1		
			Lower layer					5.7		6	3	2	<1	<1	<1		
			36		Otsutsumi (farm pond)	Surface layer		2013/1/17	Sunny	0.4	-	0.4	414	5	13		<1
		Surface layer	2013/2/7	Rain		0.3		-	0.3	520	4	11	<1	<1	<1		
37		Shinike (farm pond)	Surface layer		2013/1/11	Sunny	0.2	-	0.2	9	<1	1	<1	<1	<1	<1	
			Surface layer		2013/2/4	Cloudy	0.7	-	0.7	12	<1	1	<1	<1	<1	<1	
38		Kodama Dam Reservoir (Kodamako Lake)	Surface layer		2013/1/9	Cloudy	54.4	0.5	2.3	6	2	2	<1	<1	<1		
			Lower layer					53.4		5	3	2	<1	<1	<1		
			Surface layer		2013/2/5	Sunny	54.0	0.5	2.5	12	3	1	<1	<1	<1		
			Lower layer					53.0		29	8	5	<1	<1	<1		
39		Kanoritsutsumishita (farm pond)	Surface layer		2013/1/9	Cloudy	0.2	-	0.2	37	5	3	<1	<1	<1	<1	
			Surface layer		2013/2/6	霽	0.3	-	0.3	71	5	4	<1	<1	<1		
40		Takashiba Dam Reservoir (Takashibako Lake)	Surface layer		2013/1/10	Sunny	22.8	0.5	3.4	7	<1	1	<1	<1	<1	<1	
			Lower layer					21.8		8	1	1	<1	<1	<1		
			Surface layer		2013/2/5	Sunny	15.1	0.5	1.2	9	3	2	<1	<1	<1		
			Lower layer					14.1		9	3	2	<1	<1	<1		
41		Shitoki Dam Reservoir	Surface layer		2013/1/10	Sunny	35.8	0.5	3.2	4	1	1	<1	<1	<1	<1	
			Lower layer					34.8		7	3	2	<1	<1	<1		
			Surface layer		2013/2/5	Sunny	36.8	0.5	3.0	5	<1	1	<1	<1	<1		
	Lower layer		35.8						5	9	4	<1	<1	<1	<1		
42	N a k a d o r i	Surikamigawa Dam Reservoir	Surface layer	Fukushimashi City	2013/1/16	Cloudy	57.0	0.5	2.0	6	<1	1	<1	<1	<1		
			Lower layer					56.0		10	<1	1	<1	<1	<1		
			Surface layer		2013/2/14	Cloudy	60.3	0.5	2.3	7	2	2	<1	<1	<1		
			Lower layer					59.3		7	1	1	<1	<1	<1		
43		Handanuma Lake (farm pond)	Surface layer	Korimachi Town	2012/12/3	Cloudy	0.2	-	0.2	15	5	4	<1	<1	<1	Unable to collect samples due to snow on the ground	
			Surface layer		2013/1/14	Snow	0.5	-	0.5	18	3	2	<1	<1	<1		
			Surface layer		2013/2/13	Snow	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/3/4	Sunny	-	-	-	-	-	-	-	-	-		
44		Oike Pond (farm pond)	Surface layer	Motomiyashi City	2012/12/27	Cloudy	0.5	-	0.5	7	5	3	<1	<1	<1	<1	
			Surface layer		2013/2/14	Sunny	0.5	-	0.5	13	2	2	<1	<1	<1		
45		Miharu Dam	Surface layer	Miharumachi Town	2012/12/17	Cloudy	32.5	0.5	1.8	18	2	2	<1	<1	<1	Unable to collect samples due to freezing	
			Lower layer		31.5		18	2	3	<1	<1	<1					
			Surface layer		2013/1/18	Cloudy	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/3/5	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
46		Hounokusa (farm pond)	Surface layer	Koriyamashi City	2013/1/10	Cloudy	0.2	-	0.2	13	1	2	<1	<1	<1	<1	Unable to collect samples due to freezing
			Surface layer		2013/2/13	Sunny	-	-	-	-	-	-	-	-	-		
47		Hatoriko Lake	Surface layer	Teneimura Village	2012/12/12	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			Surface layer		2013/1/16	Sunny	-	-	-	-	-	-	-	-	-		
			Surface layer		2013/3/7	Sunny	-	-	-	-	-	-	-	-	-		
48		Hirodaira (farm pond)	Surface layer	Sukagawashi City	2013/1/11	Sunny	0.8	-	0.8	18	4	2	<1	<1	<1	<1	Unable to collect samples due to freezing
	Surface layer		2013/2/13		Cloudy	1.0	-	0.6	26	1	1	<1	<1	<1			

OLake and Headwater: Water Quality Monitoring Results

Sampling point				Municipality	Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L					Remarks
No.	Point							Sampling depth m	Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine		Radioactive cesium			
													I-131	<1	Cs-134	<1	Cs-137	
49	N a k a d o r i	Sengosawa Dam Reservoir	Surface layer	Ishikawamachi Town	2012/12/13	Sunny	17.5	0.5	1.5	15	1	2	<1	<1	<1	Unable to collect samples due to freezing		
50			Lower layer		2013/1/16	Sunny	-	-	-	33	34	54	<1	<1	<1			
			Surface layer		2013/3/1	Cloudy	-	-	-	-	-	-	-	-	-			
			Surface layer		-	-	-	-	-	-	-	-	-	-	-			
51		Watariike Pond (farm pond)	Surface layer	Yabukimachi Town	2013/1/7	Cloudy	0.2	-	0.2	33	7	4	<1	<1	<1		Unable to collect samples due to construction	
			Surface layer		2013/2/14	Sunny	-	-	-	-	-	-	-	-	-			
52		Izumikawa (farm pond)	Surface layer	Shirakawashi City	2013/1/11	Sunny	0.3	-	0.3	22	4	4	<1	<1	<1		Unable to collect samples due to snow on the ground	
			Surface layer		2013/2/14	Sunny	0.5	-	0.5	26	3	4	<1	<1	<1			
			Surface layer		Nishigomura Village	2012/12/12	Sunny	27.2	0.5	5.9	7	<1	1	<1	<1			<1
			Lower layer			2013/1/16	Sunny	-	-	-	7	<1	1	<1	<1			<1
53		Hokkawa Dam	Surface layer	Nishigomura Village	2013/3/7	Cloudy	24.6	0.5	3.2	7	<1	2	<1	<1	<1		Unable to collect samples due to snow on the ground	
			Lower layer		2012/12/13	Cloudy	-	-	-	7	8	5	<1	<1	<1			
	Surface layer		Shirakawashi City		2013/1/11	Sunny	-	-	-	-	-	-	-	-	-			
	Surface layer				2013/2/14	Sunny	-	-	-	-	-	-	-	-	-			
54	Nanko Lake	Surface layer	Shirakawashi City	2013/3/12	Sunny	0.8	0.5	0.7	62	10	9	<1	<1	<1	Unable to collect samples due to construction			
		Surface layer		2013/1/10	Cloudy, then snow	-	-	-	-	-	-	-	-	-				
		Surface layer		2013/3/6	Snow	-	-	-	-	-	-	-	-	-		-		
		Surface layer		2012/12/11	Snow	-	-	-	-	-	-	-	-	-		-		
55	Soharako Lake	Surface layer	Kitakatashi City	2013/1/8	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing			
		Surface layer		2013/3/7	Sunny	-	-	-	-	-	-	-	-	-				
		Surface layer		2012/12/10	Sunny時々 Snow	23.0	0.5	3.9	8	<1	1	<1	<1	<1				
		Lower layer		2013/1/8	Snow	-	-	-	8	2	1	<1	<1	<1				
56	Hibarako Lake	Surface layer	Kitazoharamura Village	2013/3/7	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing			
		Surface layer		2012/12/10	Snow	14.2	0.5	3.6	7	<1	1	<1	<1	<1				
		Lower layer		2013/1/8	Snow	-	-	-	7	3	2	<1	<1	<1				
		Surface layer		2013/3/7	Sunny	-	-	-	-	-	-	-	-	-				
57	Onogawako Lake	Surface layer	Inawashiro Town	2012/12/10	Cloudy	30.9	0.5	3.8	6	<1	2	<1	<1	<1	Unable to collect samples due to freezing			
		Lower layer		2013/1/8	Snow	-	-	-	6	1	2	<1	<1	<1				
		Surface layer		2013/3/7	Sunny	-	-	-	-	-	-	-	-	-				
		Surface layer		2013/3/5	Snow	-	-	-	-	-	-	-	-	-				
58	A i z u	Akimotoko Lake	Surface layer	Inawashiro Town	2013/3/6	Rain	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
Surface layer			2013/1/10		Snow	-	-	-	-	-	-	-	-	-				
59		Bishamonnuma Lake	Surface layer	Kitazoharamura Village	2013/3/5	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
			Surface layer		2013/3/6	Snow	-	-	-	-	-	-	-	-	-			
60		Oguninuma Lake	Surface layer	Nishiazumachi Town	2013/1/10	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
Surface layer			2013/3/5		Cloudy	-	-	-	-	-	-	-	-	-				
62		I n a w a s h i r o k o	Center of the lake	Aizuwakamatsushi City	Surface layer	2012/12/11	Sunny	94.0	0.5	12.8	13	<1	0	<1	<1	<1	Unable to collect samples due to snow on the ground	
					Lower layer	2013/1/8	Cloudy	96.0	0.5	9.9	13	<1	0	<1	<1	<1		
					Surface layer	2013/3/5	Snow	97.0	0.5	8.1	12	<1	0	<1	<1	<1		
					Lower layer	2012/12/11	Sunny	94.0	0.5	12.8	13	<1	0	<1	<1	<1		
					Surface layer	2013/1/8	Cloudy	96.0	0.5	9.9	13	<1	0	<1	<1	<1		
					Lower layer	2013/3/5	Snow	97.0	0.5	8.1	12	<1	0	<1	<1	<1		
63	Takahashigawa River Estuary		Inawashiro Town	Surface layer	2012/12/11	Sunny	1.2	-	1.2	13	<1	0	<1	<1	<1	Unable to collect samples due to snow on the ground		
				Surface layer	2013/1/8	Cloudy	1.5	0.5	1.5	13	<1	0	<1	<1	<1			
				Surface layer	2013/3/5	Snow	0.7	-	0.7	12	<1	0	<1	<1	<1			
Surface layer				2012/12/11	Sunny	0.8	-	0.8	13	<1	1	<1	<1	<1				
Surface layer				2013/1/8	Cloudy	1.0	0.5	1.0	20	<1	2	<1	<1	<1				
Surface layer				2013/3/5	Snow	0.4	-	0.4	12	<1	3	<1	<1	<1				
64	Ogurogawa River Estuary	Inawashiro Town	Surface layer	2012/12/11	Sunny	1.6	-	0.8	21	6	3	<1	<1	<1	Unable to collect samples due to snow on the ground			
			Surface layer	2013/1/8	Cloudy	1.7	0.5	1.7	14	<1	1	<1	<1	<1				
			Surface layer	2013/3/5	Snow	-	-	-	-	-	-	-	-	-				
65			Tenjinhama Beach	Surface layer	2012/12/11	Cloudy	1.6	-	0.8	21	6	3	<1	<1		<1	Unable to collect samples due to snow on the ground	
				Surface layer	2013/1/8	Cloudy	1.7	0.5	1.7	14	<1	1	<1	<1		<1		
				Surface layer	2013/3/5	Snow	-	-	-	-	-	-	-	-		-		

OLake and Headwater: Water Quality Monitoring Results

Sampling point					Municipality	Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks		
No.	Point								Sampling depth m	Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				
66	Aizawa-shiroko Lake	Inashima River Estuary	Surface layer	Inawashiro-machi Town	2012/12/11	Cloudy	1.3	-	1.3	13	<1	1	<1	<1	<1	<1			
			Surface layer		2013/1/8	Cloudy	1.5	0.5	1.5	14	<1	0	<1	<1	<1	<1			
			Surface layer		2013/3/6	Sunny	1.2	-	1.2	13	<1	1	<1	<1	<1	<1	<1		
Intake of Asakasosui			Surface layer		2012/12/11	Cloudy	3.3	0.5	3.3	13	<1	1	<1	<1	<1	<1	<1	<1	
			Lower layer					2.3			14	<1	1	<1	<1	<1	<1	<1	
			Surface layer		2013/1/8	Cloudy	4.0	0.5	4.0	14	<1	1	<1	<1	<1	<1	<1	<1	
			Lower layer					3.0			14	3	1	<1	<1	<1	<1	<1	
			Surface layer		2013/3/6	Sunny	3.5	0.5	3.5	12	<1	0	<1	<1	<1	<1	<1	<1	
			Lower layer					2.5			12	<1	0	<1	<1	<1	<1	<1	
Hamajihama Beach		Surface layer	2012/12/11	Sunny	4.9	0.5	4.9	13	<1	1	<1	<1	<1	<1	<1	<1			
		Lower layer				3.9			13	<1	1	<1	<1	<1	<1	<1	<1		
		Surface layer	2013/1/8	Cloudy	5.0	0.5	3.0	13	<1	1	<1	<1	<1	<1	<1	<1	<1		
		Lower layer				4.0			13	1	1	<1	<1	<1	<1	<1	<1		
		Surface layer	2013/3/6	Sunny	4.9	0.5	4.9	11	<1	0	<1	<1	<1	<1	<1	<1	<1		
		Lower layer				3.9			11	<1	0	<1	<1	<1	<1	<1	<1		
Funatsu Port		Surface layer	2012/12/11	Sunny	5.8	0.5	5.8	13	<1	1	<1	<1	<1	<1	<1	<1	<1		
		Lower layer				4.8			13	5	1	<1	<1	<1	<1	<1	<1		
		Surface layer	2013/1/8	Cloudy	5.7	0.5	5.7	14	<1	0	<1	<1	<1	<1	<1	<1	<1		
		Lower layer				4.7			14	<1	1	<1	<1	<1	<1	<1	<1		
		Surface layer	2013/3/6	Sunny	5.3	0.5	5.3	11	<1	0	<1	<1	<1	<1	<1	<1	<1		
		Lower layer				4.3			11	<1	0	<1	<1	<1	<1	<1	<1		
Offshore of Funatsugawa River Estuary		Surface layer	2012/12/11	Sunny	2.9	0.5	2.9	13	<1	1	<1	<1	<1	<1	<1	<1	<1		
		Lower layer				1.9			13	<1	1	<1	<1	<1	<1	<1	<1		
		Surface layer	2013/1/8	Cloudy	3.0	0.5	3.0	14	<1	0	<1	<1	<1	<1	<1	<1	<1		
		Lower layer				2.0			14	<1	0	<1	<1	<1	<1	<1	<1		
		Surface layer	2013/3/7	Sunny	3.1	0.5	3.1	12	<1	1	<1	<1	<1	<1	<1	<1	<1		
		Lower layer				2.1			12	<1	1	<1	<1	<1	<1	<1	<1		
Seishogahama Beach		Surface layer	2012/12/11	Sunny	6.2	0.5	6.2	13	<1	0	<1	<1	<1	<1	<1	<1	<1		
	Lower layer				5.2			13	1	1	<1	<1	<1	<1	<1	<1			
	Surface layer	2013/1/8	Cloudy	9.0	0.5	9.0	14	<1	1	<1	<1	<1	<1	<1	<1	<1			
	Lower layer				8.0			14	3	1	<1	<1	<1	<1	<1	<1			
	Surface layer	2013/3/6	Sunny	6.7	0.5	6.7	11	<1	0	<1	<1	<1	<1	<1	<1	<1			
	Lower layer				5.7			12	<1	0	<1	<1	<1	<1	<1	<1			
Haragawa River Estuary	Surface layer	2012/12/11	Sunny	17.5	0.5	9.3	13	<1	0	<1	<1	<1	<1	<1	<1	<1			
	Lower layer				16.5			13	<1	0	<1	<1	<1	<1	<1	<1			
	Surface layer	2013/1/8	Cloudy	18.0	0.5	10.5	13	<1	1	<1	<1	<1	<1	<1	<1	<1			
	Lower layer				17.0			13	1	0	<1	<1	<1	<1	<1	<1			
	Surface layer	2013/3/5	Snow	13.7	0.5	5.9	12	<1	1	<1	<1	<1	<1	<1	<1	<1			
	Lower layer				12.7			16	<1	1	<1	<1	<1	<1	<1	<1			
Koishigahama Floodgate	Surface layer	2012/12/11	Sunny	5.0	0.5	5.0	13	<1	0	<1	<1	<1	<1	<1	<1	<1			
	Lower layer				4.0			13	<1	0	<1	<1	<1	<1	<1	<1			
	Surface layer	2013/1/8	Cloudy	5.0	0.5	5.0	13	<1	1	<1	<1	<1	<1	<1	<1	<1			
	Lower layer				4.0			13	<1	1	<1	<1	<1	<1	<1	<1			
	Surface layer	2013/3/5	Snow	4.7	0.5	4.7	12	<1	0	<1	<1	<1	<1	<1	<1	<1			
	Lower layer				3.7			12	3	1	<1	<1	<1	<1	<1	<1			
74	Higashiyama Dam Reservoir	Surface layer	Aizawa-kanmatsuchi City	2012/12/11	Cloudy	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
		Surface layer		2013/1/15	Snow	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
		Surface layer		2013/3/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
75	Numazawako Lake	Surface layer	Kaneyamamachi Town	2012/12/13	Snow, partly sunny	92.2	0.5	7.4	6	<1	0	<1	<1	<1	<1	<1			
		Lower layer						91.2			8	2	3	<1	<1	<1	<1		
		Surface layer		2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
		Surface layer		2013/3/5	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	

OLake and Headwater: Water Quality Monitoring Results

[illegible]

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							
No.	Point		Municipality				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	Air dose μSv/h		
1		Takei (farm pond)	Shinichimachi Town	2012/12/18	Cloudy	4.4	7	41	Silt	<30	2,300	4,000	6,300	Loamy	<30	690	1,200	1,890	0.31		
				2013/1/8	Cloudy	3.1	5	36	Silt	<30	780	1,400	2,180	Loamy	<30	580	1,000	1,580	0.33		
				2013/1/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
				2013/3/6	Sunny	3.6	5	43	Silt	<30	560	1,000	1,560	Loamy	<30	1,200	2,300	3,500	0.42		
2		Uchizawa (farm pond)	Somashi City	2013/1/8	Sunny	-	-	-	-	-	-	-	-	Loamy	<30	310	560	870	0.22		
				2013/1/30	Sunny	-	-	-	-	-	-	-	-	Loamy	<30	320	610	930	0.27	Unable to collect mud due to construction	
				2013/3/6	Sunny	-	-	-	-	-	-	-	-	Loamy	<30	600	1,100	1,700	0.27		
				2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
3		Matsugabo Dam (Utagawako Lake)		2012/12/14	Rain	52.8	10	40	Silt	<30	450	820	1,270	Loamy	<30	3,300	5,700	9,000	1.09		
				2012/12/27	Sunny	49.2	5	37	Silt	<57	7,800	14,000	21,800	Loamy	<31	4,900	9,100	14,000	1.10	Evacuation order lifting preparation areas	
				2013/1/15	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/2/5	Sunny	47.2	5	40	Silt	<39	3,300	6,100	9,400	Loamy	<30	4,000	7,400	11,400	1.14		
4		Mano Dam		2013/2/26	Sunny	49.0	10	40	Silt	<73	13,000	25,000	38,000	Loamy	<30	3,400	6,400	9,800	1.10		
				2012/12/19	Sunny	0.2	5	64	Mud	<33	5,500	10,000	15,500	Loamy	<110	29,000	54,000	83,000	4.26		
				2013/1/22	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
				2013/2/26	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5		Ainosawa (farm pond)	Iitate-mura Village	2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				2013/2/27	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
				2012/12/19	Sunny	0.3	4	47	Sand/silt	<52	9,500	17,000	26,500	Loamy	<44	10,000	19,000	29,000	3.59	Living-restricted areas	
				2013/1/22	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
6		Ganbe Dam Reservoir		2013/2/26	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				2013/2/27	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
				2012/12/19	Sunny	0.4	4	57	Silt	<30	960	1,800	2,760	Loamy	<51	12,000	21,000	33,000	3.79	Living-restricted areas	
				2013/1/22	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
7		Fugane Dam (farm pond)		2013/2/27	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
				2013/2/26	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
				2012/12/19	Sunny	0.4	4	57	Silt	<30	960	1,800	2,760	Loamy	<51	12,000	21,000	33,000	3.79	Living-restricted areas	
				2013/1/22	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	

OLake and Headwater: Sediment and Surrounding Environment (Lake Shore) 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						
No.	Point		Municipality	Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	Air dose μSv/h				
21	H a m a d o r i	Mekurasawa No. 2 (farm pond)	Namiemachi Town	2012/12/18	Sunny	0.3	2	81	Gravel/sand	<30	4,000	8,100	12,100	Loamy	<37	8,100	16,000	24,100	4.53	Unable to collect samples due to snow on the ground
				2013/1/16	Sunny	0.3	1	79	Sand/gravel	<30	4,500	8,700	13,200	-	-	-	-	-	-	
				2013/2/5	Sunny	0.3	3	78	Gravel/sand	<30	3,900	7,600	11,500	Loamy	<43	11,000	21,000	32,000	4.01	
22		Joroku (farm pond)	Namiemachi Town	2012/12/18	Sunny	0.3	5	76	Sand	<30	3,300	6,700	10,000	Loamy	<86	29,000	57,000	86,000	5.42	Restricted areas Unable to collect samples due to freezing
				2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				2013/3/5	Sunny	0.5	5	44	Silt/mud	<110	32,000	66,000	98,000	Loamy	<81	33,000	71,000	104,000	5.26	
23		Furumichigawa Power Plant Dam	Tamurashi City	2013/1/25	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Evacuation order lifting preparation areas Unable to collect samples due to freezing
				2013/2/19	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				2012/12/18	Sunny	0.3	2	38	Clay/mud	<290	200,000	360,000	560,000	Loamy/clayish	<160	86,000	160,000	246,000	42.08	
24		Sawairi No. 1 (farm pond)	Futabamachi Town	2012/12/18	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	増水・Unable to collect samples due to snow on the ground
				2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				2013/3/5	Sunny	0.5	-	-	-	-	-	-	-	Loamy	<110	68,000	130,000	198,000	25.94	
25		Suzunai No. 4 (farm pond)	Okumamachi Town	2012/12/18	Sunny	0.5	4	72	Sand/silt	<70	25,000	47,000	72,000	Loamy/clayish	<150	81,000	140,000	221,000	46.08	Difficult-to-return areas Unable to collect samples due to snow on the ground
				2013/1/17	Sunny	0.3	3	83	Gravel/silt	<45	14,000	26,000	40,000	-	-	-	-	-	-	
				2013/2/6	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26		Nishihaguro (farm pond)	Futabamachi Town	2013/2/27	Cloudy	0.3	5	70	Sand/silt	<69	25,000	46,000	71,000	Loamy	<260	240,000	440,000	680,000	47.00	Restricted areas Unable to collect samples due to snow on the ground
				2012/12/18	Sunny	0.3	2	73	Silt	<74	31,000	56,000	87,000	Loamy	<71	22,000	39,000	61,000	6.81	
				2013/1/15	Cloudy	0.3	3	69	Sand/clay	<52	4,800	9,100	13,900	-	-	-	-	-	-	
27		Sakashita Dam	Okumamachi Town	2013/2/6	Snow	0.2	2	67	Silt	<61	19,000	35,000	54,000	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2012/12/26	Sunny	21.5	5	41	Silt	<51	7,100	13,000	20,100	Loamy	<55	6,500	11,000	17,500	1.44	
				2013/1/16	Sunny	17.0	10	41	Silt	<52	7,900	14,000	21,900	-	-	-	-	-	-	
28		Atamamori 2 (farm pond)	Okumamachi Town	2013/2/6	Snow	20.5	15	42	Silt	<56	8,600	16,000	24,600	-	-	-	-	-	-	Living-restricted areas Unable to collect samples due to snow on the ground
				2012/12/18	Sunny	0.5	2	68	Sand/clay	<30	990	1,800	2,790	Loamy/clayish	<30	3,500	6,100	9,600	3.93	
				2013/1/17	Sunny	0.4	1	68	Sand/silt	<34	4,600	8,400	13,000	Loamy	<60	12,000	23,000	35,000	3.21	
29		Yonomori (farm pond)	Okumamachi Town	2013/2/6	Snow	0.2	3	70	Sand	<30	2,100	3,800	5,900	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2012/12/5	Sunny	1.2	5	58	Silt	<61	16,000	29,000	45,000	Loamy	<30	3,900	6,700	10,600	5.56	
				2013/1/17	Sunny	1.1	3	55	Silt	<69	20,000	37,000	57,000	-	-	-	-	-	-	
30		Takikawa Dam	Tomiokamachi Town	2013/2/6	Snow	1.1	10	53	Silt	<64	17,000	31,000	48,000	-	-	-	-	-	-	Restricted areas Unable to collect samples due to snow on the ground
				2012/12/5	Sunny	0.3	10	92	Sand	<30	280	480	760	Loamy	<53	16,000	28,000	44,000	3.60	
				2012/12/26	Sunny	0.4	2	92	Sand	<30	230	400	630	Loamy	<37	9,000	16,000	25,000	3.12	
31		Takinosawa (farm pond)	Tomiokamachi Town	2013/1/16	Sunny	0.3	5	92	Sand	<30	240	450	690	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/2/6	Snow	0.2	7	92	Sand	<30	290	560	850	-	-	-	-	-	-	
				2013/2/27	Cloudy	0.2	10	40	Silt	<80	16,000	29,000	45,000	Loamy/skeletal	<59	19,000	36,000	55,000	2.76	
32		Kamishigeoka No. 1 (farm pond)	Narahamachi Town	2012/12/5	Sunny	0.2	5	50	Silt	<35	3,700	6,600	10,300	Loamy	<31	3,900	6,900	10,800	1.78	Unable to collect samples due to snow on the ground
				2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				2013/3/7	Sunny	0.3	5	61	Mud	<33	4,000	7,800	11,800	Loamy/skeletal	<37	5,600	10,000	15,600	1.18	
33		Shimoshiigeoka (farm pond)	Narahamachi Town	2013/1/17	Sunny	0.3	2	72	Sand	<30	3,700	6,700	10,400	-	-	-	-	-	-	Evacuation order lifting preparation areas No sand deposited. Unable to collect samples due to snow on the ground
				2013/2/7	Sunny	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	
				2013/1/17	Sunny	0.5	1	70	Silt	<44	7,100	13,000	20,100	-	-	-	-	-	-	
34		Komachi Dam	Onomachi Town	2013/2/7	Sunny	0.5	3	47	Silt	<55	9,400	17,000	26,400	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2012/12/14	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				2013/1/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35		Kido Dam	Narahamachi Town	2013/3/1	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
				2012/12/5	Sunny	49.2	10	40	Silt	<30	1,700	3,000	4,700	Loamy	<30	1,800	3,100	4,900	0.47	
				2012/12/27	Sunny	7.5	5	62	Silt	<30	1,500	2,700	4,200	Loamy	<30	1,300	2,200	3,500	0.53	
36		Otsutsumi (farm pond)	Narahamachi Town	2013/1/18	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Evacuation order lifting preparation areas Unable to collect samples due to snow on the ground
				2013/3/6	Sunny	6.7	5	50	Silt	<30	2,500	4,700	7,200	Loamy/sandy/skeletal	<30	1,300	2,500	3,800	0.48	
				2013/1/17	Sunny	0.4	3	61	Silt	<30	3,400	6,300	9,700	-	-	-	-	-	-	
37		Shimike (farm pond)	Narahamachi Town	2013/2/7	Rain	0.3	3	67	Clay	<30	500	950	1,450	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/1/11	Sunny	0.2	-	-	-	-	-	-	-	Loamy	<30	370	640	1,010	0.30	
				2013/2/4	Cloudy	0.7	-	-	-	-	-	-	-	Sandy	<30	390	710	1,100	0.26	
38		Kodama Dam Reservoir (Kodamako Lake)	Iwakishi City	2013/1/9	Cloudy	54.4	7	41	Silt	<30	1,400	2,600	4,000	Loamy	<30	96	150	246	0.20	Unable to collect mud due to increased water level
				2013/2/5	Sunny	54.0	10	41	Silt	<30	1,300	2,500	3,800	Loamy	<30	63	100	163	0.16	
				2013/1/9	Cloudy	0.2	2	77	Sand/silt/clay	<30	350	640	990	Loamy/clayish	<30	380	690	1,070	0.22	
39		Kamoritusumishita (farm pond)	Iwakishi City	2013/2/6	霽	0.3	3	71	Gravel/sand/clay	<30	440	800	1,240	Clayish	<30	11	24	35	0.16	Evacuation order lifting preparation areas Unable to collect samples due to snow on the ground
				2013/1/10	Sunny	22.8	5	50	Silt	<30	240	460	700	Loamy/skeletal	<30	1,100	2,000	3,100	0.29	
				2013/2/5	Sunny	15.1	3	54	Silt	<30	230	480	710	Loamy/skeletal	<30	1,500	2,700	4,200	0.27	
40		Takashiwa Dam Reservoir (Takashibako Lake)	Iwakishi City	2013/1/10	Sunny	35.8	5	44	Silt	<30	590	1,100	1,690	Loamy/skeletal	<30	1,200	2,100	3,300	0.37	Evacuation order lifting preparation areas Unable to collect samples due to snow on the ground
				2013/2/5	Sunny	36.8	10	44	Silt	<30	490	910	1,400	Loamy/skeletal	<30	800	1,500	2,300	0.39	

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 Concentration of radioactive material Bq/kg (dry)				Air dose μSv/h			
			Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137		Total							
42	N a k a d o r i	Surikamigawa Dam Reservoir	Fukushima City	2013/1/16	Cloudy	57.0	-	-	-	<30	1,600	2,900	4,500	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
43		Handanuma Lake (farm pond)	Korimachi Town	2013/2/14	Cloudy	60.3	10	55	Silt	<30	1,200	2,400	3,600	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2012/12/3	Cloudy	0.2	7	48	Sand/silt	<50	8,900	16,000	24,900	Loamy	<30	2,600	4,600	7,200	0.77		
				2013/1/4	Snow	0.5	2	67	Gravel-sand	<30	75	140	215	-	-	-	-	-	-		
44		Oike Pond (farm pond)	Motomiyashi City	2013/2/13	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/3/4	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
				2012/12/27	Cloudy	0.5	5	84	Sand	<30	640	1,200	1,840	Sandy-Clayish	<30	1,300	2,300	3,600	1.05		
45		Miharu Dam	Miharumachi Town	2013/2/14	Sunny	0.5	3	82	Sand	<30	490	890	1,380	Loamy	<30	2,200	4,200	6,400	0.96	Unable to collect samples due to freezing	
				2013/2/17	Cloudy	32.5	7	45	Silt	<30	1,700	3,100	4,800	Loamy	<30	720	1,200	1,920	0.22		
				2013/1/18	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
46	Hounokusa (farm pond)	Koriyama City	2013/3/5	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
			2013/1/10	Cloudy	0.2	1	76	Sand-clay	<30	1,400	2,600	4,000	Loamy	<30	2,100	3,700	5,800	0.57			
			2013/2/13	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
47	Hatoriho Lake	Tencimura Village	2013/2/12	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
			2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
			2013/3/7	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
48	Hirodaira (farm pond)	Sukagawashi City	2013/1/11	Sunny	0.8	3	73	Silt	<30	120	220	340	Loamy	<30	330	580	910	0.20	Unable to collect samples due to freezing		
			2012/12/3	Cloudy	1.0	2	74	Sand/silt	<30	53	110	163	Loamy	<30	260	470	730	0.20			
			2012/12/13	Sunny	17.5	15	49	Silt	<30	270	450	720	Loamy	<30	300	550	850	0.18			
49	Sengosawa Dam Reservoir	Ishikawamachi Town	2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
			2013/3/1	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
50	Watarike Pond (farm pond)	Yabukimachi Town	2013/1/7	Cloudy	0.2	-	5	77	Sand	<30	82	140	222	Loamy	<30	370	660	1,030	0.17	Unable to collect samples due to construction	
			2013/2/14	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
51	N a k a d o r i	Irumikawa (farm pond)	Shirakawashi City	2013/1/11	Sunny	0.3	3	82	Silt	<30	430	820	1,270	Loamy	<30	3,400	6,100	9,500	0.78	Unable to collect samples due to snow on the ground	
52		Hokkawa Dam	Nishigomura Village	2013/2/14	Sunny	0.5	5	84	Sand	<30	320	620	940	Loamy	<30	3,800	6,900	10,700	0.65		
				2012/12/2	Sunny	27.2	15	39	Silt	<30	1,700	2,900	4,600	Loamy	<30	1,500	2,600	4,100	0.36		
				2013/1/16	Sunny	-	-														

OLake and Headwater: Sediment and Surrounding Environment (Lake Shore) 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					Air dose μSv/h								
			Mud sampling depth cm				Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	Property	Radioactive iodine I-131	Cs-134		Radioactive cesium Cs-137	Total						
No.	Point			Municipality																				
62	A i z u w a k a m a t s u s h i r o k o	Center of the lake	Aizuwakamatsushi City	2012/12/11	Sunny	94.0	15	36	Silt	<30	<10	33	33											
				2013/1/8	Cloudy	96.0	10	30	Silt	<30	27	99	126											
				2013/3/5	Snow	97.0	6	36	Silt	<30	44	78	122											
63		Takahashigawa River Estuary	Inawashiro machi Town	2012/12/11	Sunny	1.2	3	82	Sand	<30	56	110	166	Loamy	<30	210	400	610	0.08					
				2013/1/8	Cloudy	1.5	3	86	Sand	<30	43	85	128	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
				2013/3/5	Snow	0.7	5	79	Sand	<30	94	190	284	-	-	-	-	-	-	-	-			
64		Ogurogawa River Estuary		2012/12/11	Sunny	0.8	5	89	Sand	<30	39	75	114	Loamy/skeletal	<30	63	120	183	0.09					
				2013/1/8	Cloudy	1.0	4	90	Sand	<30	47	80	127	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
				2013/3/5	Snow	0.4	4	90	Sand	<30	85	160	245	-	-	-	-	-	-	-	-			
65		Tenjinhama Beach		2012/12/11	Cloudy	1.6	5	88	Sand	<30	49	83	132	Sandy	<30	84	150	234	0.06					
				2013/1/8	Cloudy	1.7	3	88	Sand	<30	49	86	135	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
				2013/3/5	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
66		Hishinuma gawa River Estuary		Inawashiro machi Town	2012/12/11	Cloudy	1.3	3	92	Sand	<30	38	58	96	Sandy	<30	18	28	46	0.07				
					2013/1/8	Cloudy	1.5	2	92	Gravel/sand	<30	31	58	89	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
					2013/3/6	Sunny	1.2	5	92	Sand	<30	25	43	68	-	-	-	-	-	-	-	-		
67		Intake of Asakasouji			Inawashiro machi Town	2012/12/11	Cloudy	3.3	2	77	Sand	<30	91	160	251	Loamy	<30	100	170	270	0.14			
						2013/1/8	Cloudy	4.0	5	94	Sand	<30	37	71	108	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
						2013/3/6	Sunny	3.5	3	93	Sand	<30	38	78	116	-	-	-	-	-	-	-	-	
68		Hamajihama Beach	Koriyama shi City			2012/12/11	Sunny	4.9	5	85	Sand	<30	59	110	169	Loamy	<30	71	120	191	0.11			
						2013/1/8	Cloudy	5.0	4	84	Sand	<30	72	170	242	Loamy/skeletal	<30	240	420	660	0.10			
						2013/3/6	Sunny	4.9	3	88	Sand	<30	71	150	221	Loamy/skeletal	<30	370	720	1,090	0.10			
69	Funatsu Port	Koriyama shi City				2012/12/11	Sunny	5.8	5	82	Sand	<30	130	240	370	Loamy	<30	60	110	170	0.10			
						2013/1/8	Cloudy	5.7	4	85	Sand	<30	62	120	182	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
						2013/3/6	Sunny	5.3	3	84	Sand	<30	83	140	223	-	-	-	-	-	-	-	-	
70	Offshore of Funatsugawa River Estuary					Koriyama shi City	2012/12/11	Sunny	2.9	5	50	Sand	<30	280	520	800	Loamy	<30	110	200	310	0.10		
							2013/1/8	Cloudy	3.0	3	84	Sand	<30	66	120	186	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
							2013/3/7	Sunny	3.1	3	72	Sand	<30	43	73	116	-	-	-	-	-	-	-	-
71	Seishogahama Beach			Koriyama shi City			2012/12/11	Sunny	6.2	5	69	Sand	<30	150	310	460	Sandy	<30	64	110	174	0.08		
							2013/1/8	Cloudy	9.0	4	62	Sand/silt	<30	200	360	560	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
							2013/3/6	Sunny	6.7	3	69	Sand/silt	<30	210	400	610	-	-	-	-	-	-	-	-
72	Haragawa River Estuary		Aizuwakamatsushi City		2012/12/11		Sunny	17.5	5	78	Silt	<30	75	140	215	-	-	-	-	-	-	-		
					2013/1/8		Cloudy	18.0	6	42	Clay	<30	860	1,700	2,560	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
					2013/3/5		Snow	13.7	3	65	Sand/silt	<30	210	400	610	-	-	-	-	-	-	-	-	
73	Koishigahama Floodgate	Inawashiro machi Town	2012/12/11		Sunny		5.0	15	40	Silt	<30	69	140	209	Loamy	<30	350	580	930	0.10				
			2013/1/8		Cloudy		5.0	6	43	Silt	<30	83	180	263	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
			2013/3/5		Snow		4.7	4	53	Silt	<30	96	210	306	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
74	Higashiyama Dam Reservoir	Aizuwakamatsushi City	2012/12/11		Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
			2013/1/15		Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
			2013/3/7		Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
75	Numazawako Lake	Kaneyama machi Town	2012/12/13	Snow, partly sunny	92.2	10	42	Silt	<30	<10	120	120	Loamy	<30	210	340	550	0.06						
			2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing			
			2013/3/5	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
76	Terairi (farm pond)	Aizumisato machi Town	2013/1/10	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing			
			2013/3/6	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			2012/12/12	Cloudy	9.3	10	51	Silt	<30	11	24	35	Loamy	<30	77	140	217	0.07						
77	Okawa Dam Reservoir	Aizuwakamatsushi City	2013/1/15	Cloudy	17.4	7	52	Silt	<30	12	32	44	-	-	-	-	-	-	-	-	(Soil) Unable to collect samples due to snow on the ground			
			2013/2/20	Cloudy	17.6	5	48	Silt	<30	22	47	69	-	-	-	-	-	-	-	-	-			
			2012/12/13	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
78	Tagokura Reservoir	Tadamimachi Town	2013/1/10	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
			2013/3/6	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			2013/1/10	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
79	Fukui (farm pond)	Tadamimachi Town	2013/3/6	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
			2012/12/12	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			2013/1/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
80	Tajima Dam Reservoir (Funehanako Lake)	Minamiazumachi Town	2013/3/6	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing			
			2012/12/14	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			2013/3/6	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
81	Okutadami Reservoir	Tadamimachi Town	2013/3/6	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			

•Samples for surrounding environment (lake shore) were generally collected from 5 points in 3m square on the lake shore, 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-171 or TCS-172 of Hitachi-Aloka Medical, Ltd.

•Sampling points are listed from north to south.

○Sea Area: Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
No.	Water body					Sampling depth m	Secchi disk depth m	Salinity ‰	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
1	Neighboring sea area of Soso, Approx. 2,000 m offshore of Tsurushihama Fishing Port	Surface layer	2012/12/14	Sunny	14.5	0.5	2.2	35	9	3	<1	<1	<1	
		Lower layer				13.5		33	31	14	<1	<1	<1	
		Surface layer	2013/1/18	Sunny	14.6	0.5	1.5	33	9	4	<1	<1	<1	
		Lower layer				13.6		34	17	8	<1	<1	<1	
		Surface layer	2013/2/22	Sunny	14.0	0.5	2.9	29	7	2	<1	<1	<1	
		Lower layer				13.0		29	34	15	<1	<1	<1	
		Surface layer	2013/3/12	Sunny	14.4	0.5	5.0	35	6	1	<1	<1	<1	
		Lower layer				13.4		35	9	2	<1	<1	<1	
2	Matsukawaura sea area, Around center of Fishing Right Area-1	Surface layer	2012/12/19	Sunny	1.5	0.5	1.5	33	5	2	<1	<1	<1	
		Lower layer				-		-	-	-	-	-	-	-
		Surface layer	2013/1/16	Sunny	1.6	0.5	1.6	35	12	6	<1	<1	<1	
		Lower layer				-		-	-	-	-	-	-	-
		Surface layer	2013/2/6	Snow	2.0	0.5	2.0	35	5	1	<1	<1	<1	
		Lower layer				-		-	-	-	-	-	-	-
		Surface layer	2013/2/27	Cloudy	1.6	0.5	1.6	32	8	2	<1	<1	<1	
		Lower layer				-		-	-	-	-	-	-	-
3	Neighboring sea area of Soso, Approx. 2,000 m offshore of Manogawa River	Surface layer	2012/12/18	Sunny	18.0	0.5	5.4	34	5	1	<1	<1	<1	
		Lower layer				17.0		34	4	1	<1	<1	<1	
		Surface layer	2013/1/30	Sunny	17.0	0.5	4.0	34	6	2	<1	<1	<1	
		Lower layer				16.0		34	7	2	<1	<1	<1	
		Surface layer	2013/2/26	Sunny	20.0	0.5	3.1	34	9	2	<1	<1	<1	
		Lower layer				19.0		35	10	2	<1	<1	<1	
		Surface layer	2013/3/13	Cloudy	18.9	0.5	8.5	35	4	1	<1	<1	<1	
		Lower layer				17.9		35	7	1	<1	<1	<1	
4	Neighboring sea area of Haramachi City, Approx. 1,000 m offshore of Niidagawa River	Surface layer	2012/12/21	Sunny	6.0	0.5	1.4	34	17	6	<1	<1	<1	
		Lower layer				5.0		36	24	8	<1	<1	<1	
		Surface layer	2013/1/18	Sunny	10.0	0.5	2.4	34	7	3	<1	<1	<1	
		Lower layer				9.0		35	9	4	<1	<1	<1	
		Surface layer	2013/2/26	Sunny	21.8	0.5	3.9	33	9	2	<1	<1	<1	
		Lower layer				20.8		33	8	2	<1	<1	<1	
		Surface layer	2013/3/13	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect mud due to a strong swell at the sampling
		Lower layer				-		-	-	-	-	-	-	-
5	Neighboring sea area of Haramachi City, Approx. 1,000 m offshore of Otagawa River	Surface layer	2012/12/13	Sunny	11.0	0.5	2.6	32	11	3	<1	<1	<1	
		Lower layer				10.0		35	10	3	<1	<1	<1	
		Surface layer	2013/2/18	Cloudy	10.0	0.5	3.0	35	8	3	<1	<1	<1	
		Lower layer				9.0		35	18	8	<1	<1	<1	
		Surface layer	2013/3/12	Sunny	10.5	0.5	6.1	35	5	1	<1	<1	<1	
		Lower layer				9.5		35	6	1	<1	<1	<1	
6	Neighboring sea area of Soso District, Approx. 1,000 m offshore of Odakagawa River	Surface layer	2012/12/20	Sunny	11.9	0.5	3.8	33	7	2	<1	<1	<1	
		Lower layer				10.9		35	6	2	<1	<1	<1	
		Surface layer	2013/1/22	Rain	20.0	0.5	3.1	32	7	2	<1	<1	<1	
		Lower layer				19.0		34	12	4	<1	<1	<1	
		Surface layer	2013/2/15	Cloudy	11.0	0.5	4.0	34	11	3	<1	<1	<1	
		Lower layer				10.0		34	10	3	<1	<1	<1	
		Surface layer	2013/3/8	Sunny	10.7	0.5	5.6	35	6	2	<1	<1	<1	
		Lower layer				9.7		35	5	1	<1	<1	<1	
7	Neighboring sea area of Narahamachi Town, Approx. 1,000 m offshore of Kidogawa River	Surface layer	2012/12/21	Sunny	12.0	0.5	4.4	37	5	2	<1	<1	<1	
		Lower layer				11.0		38	9	2	<1	<1	<1	
		Surface layer	2013/1/11	Sunny	13.5	0.5	6.4	31	5	1	<1	<1	<1	
		Lower layer				12.5		31	6	1	<1	<1	<1	
		Surface layer	2013/2/4	Cloudy	11.6	0.5	7.5	32	4	1	<1	<1	<1	
		Lower layer				10.6		32	5	1	<1	<1	<1	
		Surface layer	2013/2/28	Sunny	10.0	0.5	5.5	34	6	1	<1	<1	<1	
		Lower layer				9.0		35	30	7	<1	<1	<1	

○Sea Area: Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
No.	Water body					Sampling depth m	Secchi disk depth m	Salinity ‰	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
8	Approx. 1,000 m offshore of Asamigawa River estuary	Surface layer	2012/12/21	Sunny	11.3	0.5	6.4	37	4	1	<1	<1	<1	
		Lower layer				10.3		38	5	1	<1	<1	<1	
		Surface layer	2013/1/11	Sunny	13.5	0.5	12.0	30	3	0	<1	<1	<1	
		Lower layer				12.5		31	6	1	<1	<1	<1	
		Surface layer	2013/2/4	Cloudy	10.7	0.5	4.8	33	4	1	<1	<1	<1	
		Lower layer				9.7		35	6	1	<1	<1	<1	
		Surface layer	2013/2/28	Sunny	8.0	0.5	7.5	34	7	2	<1	<1	<1	
		Lower layer				7.0		34	7	1	<1	<1	<1	
9	Approx. 1,000 m offshore of Ohisagawa River Estuary	Surface layer	2012/12/21	Sunny	11.3	0.5	8.4	37	3	1	<1	<1	<1	
		Lower layer				10.3		37	6	1	<1	<1	<1	
		Surface layer	2013/1/11	Sunny	13.5	0.5	10.7	32	3	0	<1	<1	<1	
		Lower layer				12.5		32	6	0	<1	<1	<1	
		Surface layer	2013/2/4	Cloudy	10.5	0.5	8.4	35	4	1	<1	<1	<1	
		Lower layer				9.5		35	4	1	<1	<1	<1	
		Surface layer	2013/2/28	Sunny	8.0	0.5	5.0	35	7	1	<1	<1	<1	
		Lower layer				7.0		34	10	1	<1	<1	<1	
10	Neighboring sea area of Iwakishi City Approx. 1,500 m offshore of Natsugawa River	Surface layer	2012/12/12	Sunny	12.5	0.5	6.0	36	4	0	<1	<1	<1	
		Lower layer				11.5		36	3	0	<1	<1	<1	
		Surface layer	2013/1/11	Sunny	17.1	0.5	6.0	33	4	1	<1	<1	<1	
		Lower layer				16.1		35	5	1	<1	<1	<1	
		Surface layer	2013/2/1	Sunny	15.0	0.5	13.2	35	8	1	<1	<1	<1	
		Lower layer				14.0		34	13	1	<1	<1	<1	
		Surface layer	2013/2/27	Rain	16.0	0.5	6.4	35	5	1	<1	<1	<1	
		Lower layer				15.0		36	5	1	<1	<1	<1	
11	Onahama Port Approx. 400 m north of Nishibouhatei No. 2	Surface layer	2012/12/12	Sunny	16.0	0.5	4.0	34	5	1	<1	<1	<1	
		Lower layer				15.0		35	4	1	<1	<1	<1	
		Surface layer	2013/1/11	Sunny	16.0	0.5	7.0	34	4	1	<1	<1	<1	
		Lower layer				15.0		34	4	1	<1	<1	<1	
		Surface layer	2013/2/1	Sunny	15.0	0.5	6.3	34	5	1	<1	<1	<1	
		Lower layer				14.0		34	5	1	<1	<1	<1	
		Surface layer	2013/2/27	Rain	20.0	0.5	2.5	34	5	2	<1	<1	<1	
		Lower layer				19.0		36	7	2	<1	<1	<1	
12	Joban coastal sea area Approx. 1,000 m offshore of Bindagawa River	Surface layer	2012/12/12	Sunny	12.0	0.5	4.5	35	4	1	<1	<1	<1	
		Lower layer				11.0		35	3	0	<1	<1	<1	
		Surface layer	2013/1/11	Sunny	17.2	0.5	10.0	33	4	1	<1	<1	<1	
		Lower layer				16.2		34	6	1	<1	<1	<1	
		Surface layer	2013/2/1	Sunny	15.0	0.5	6.2	34	5	1	<1	<1	<1	
		Lower layer				14.0		34	4	1	<1	<1	<1	
		Surface layer	2013/2/27	Rain	15.0	0.5	6.2	36	5	1	<1	<1	<1	
		Lower layer				14.0		37	6	1	<1	<1	<1	

*Sampling points are listed from north to south.

Sea Area: Sediment Monitoring Result

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 iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	
1	Neighboring sea area of Soso, Approx. 2,000 m offshore of Tsurushihama Fishing Port	2012/12/14	Sunny	14.5	5	88	Sand	<30	<10	<10	-	
		2013/1/18	Sunny	14.6	4	88	Sand	<30	<10	11	11	
		2013/2/22	Sunny	14.0	3	85	Sand	<30	<10	<10	-	
		2013/3/12	Sunny	14.4	3	87	Sand	<30	<10	<10	-	
		2012/12/19	Sunny	1.5	5	80	Sand	<30	65	110	175	
2	Matsukawaura sea area, Around center of Fishing Right Area-1	2013/1/16	Sunny	1.6	2	83	Sand	<30	17	38	55	
		2013/2/6	Snow	2.0	3	83	Sand	<30	23	30	53	
		2013/2/27	Cloudy	1.6	3	83	Sand	<30	17	31	48	
		2012/12/18	Sunny	18.0	5	87	Sand	<30	<10	11	11	
3	Neighboring sea area of Soso, Approx. 2,000 m offshore of Manogawa River	2013/1/30	Sunny	17.0	5	75	Sand	<30	32	59	91	
		2013/2/26	Sunny	20.0	3	84	Sand	<30	11	24	35	
		2013/3/13	Cloudy	18.9	3	79	Sand	<30	<10	19	19	
		2012/12/21	Sunny	6.0	5	80	Sand	<30	48	66	114	
		2013/1/18	Sunny	10.0	4	85	Sand	<30	24	43	67	
4	Neighboring sea area of Haramachi City, Approx. 1,000 m offshore of Nidagawa River	2013/2/26	Sunny	21.8	2	71	Sand	<30	210	400	610	
		2013/3/13	Sunny	-	-	-	-	-	-	-	-	Unable to collect mud due to a strong swell at the sampling point
		2012/12/13	Sunny	11.0	5	84	Sand	<30	18	35	53	
		2013/2/18	Cloudy	10.0	2	83	Sand	<30	26	52	78	
5	Neighboring sea area of Haramachi City, Approx. 1,000 m offshore of Otogawa River	2013/3/12	Sunny	10.5	2	82	Sand	<30	18	39	57	
		2012/12/20	Sunny	11.9	5	89	Sand	<30	15	35	50	
		2013/1/22	Rain	20.0	5	85	Sand	<30	20	39	59	
6	Neighboring sea area of Soso District, Approx. 1,000 m offshore of Odakagawa River	2013/2/15	Cloudy	11.0	2	80	Sand	<30	67	120	187	
		2013/3/8	Sunny	10.7	3	83	Sand	<30	15	22	37	
		2012/12/21	Sunny	12.0	3	90	Sand/silt	<30	58	96	154	
		2013/1/11	Sunny	13.5	5	79	Gravel	<30	39	74	113	
7	Neighboring sea area of Narahamachi Town, Approx. 1,000 m offshore of Kidogawa River	2013/2/4	Cloudy	11.6	3	81	Sand	<30	130	250	380	
		2013/2/28	Sunny	10.0	3	83	Sand	<30	190	340	530	
		2012/12/21	Sunny	11.3	3	71	Sand	<30	380	730	1,110	
		2013/1/11	Sunny	13.5	3	80	Sand	<30	340	630	970	
8	Approx. 1,000 m offshore of Asamigawa River estuary	2013/2/4	Cloudy	10.7	3	82	Sand	<30	97	180	277	
		2013/2/28	Sunny	8.0	2	83	Sand	<30	150	280	430	
		2012/12/21	Sunny	11.3	3	86	Sand	<30	19	35	54	
		2013/1/11	Sunny	13.5	3	87	Sand	<30	38	52	80	
9	Approx. 1,000 m offshore of Ohisagawa River Estuary	2013/2/4	Cloudy	10.5	3	85	Sand	<30	100	190	290	
		2013/2/28	Sunny	8.0	4	88	Sand	<30	70	130	200	
		2012/12/12	Sunny	12.5	5	80	Sand	<30	55	95	150	
10	Neighboring sea area of Iwakishi City, Approx. 1,500 m offshore of Natsuigawa River	2013/1/11	Sunny	17.1	5	85	Sand	<30	30	56	86	
		2013/2/1	Sunny	15.0	3	81	Sand	<30	46	79	125	
		2013/2/27	Rain	16.0	3	83	Sand	<30	46	86	132	
		2012/12/12	Sunny	16.0	5	70	Silt	<30	270	500	770	
		2013/1/11	Sunny	16.0	5	67	Silt	<30	140	280	420	
11	Onahama Port, Approx. 400 m north of Nishibouhatei No. 2	2013/2/1	Sunny	15.0	5	65	Silt	<30	160	310	470	
		2013/2/27	Rain	20.0	5	67	Silt	<30	160	300	460	
		2012/12/12	Sunny	12.0	5	87	Sand	<30	28	49	77	
		2013/1/11	Sunny	17.2	5	75	Sand	<30	58	110	168	
12	Joban coastal sea area, Approx. 1,000 m offshore of Bindagawa River	2013/2/1	Sunny	15.0	3	79	Sand	<30	59	110	169	
		2013/2/27	Rain	15.0	3	77	Sand	<30	64	120	184	

*Sampling points are listed from north to south.



