

(News Release)

The Results of Radioactive Material Monitoring of the Surface Water Bodies within Fukushima Prefecture (September-November Samples)

<Simultaneously released to the Fukushima Prefecture Press Club>

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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 September 10–November 30, 2012 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

217 environmental reference points, etc. in the surface water bodies within Fukushima Prefecture
(Rivers: 123 locations, Lakes and headwaters: 82 locations, Coasts: 12 locations)

Note: Starting with this survey, there are 17 new locations
(lakes and headwaters: 14 locations, coasts: 3 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 (July-September 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-2Bq/L (* ND-5Bq/L)

(Lakes and headwaters)

Cs-134 + Cs-137: ND-60Bq/L (* ND-5Bq/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; although substantial increase could be seen at 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-17,400Bq/kg (dried mud) (*ND-61,000Bq/kg (dried mud))

(Lakes and headwaters)

Cs-134 + Cs-137: ND-780,000Bq/kg (dried mud) (*ND-96,000Bq/kg (dried mud))

(Coasts)

Cs-134 + Cs-137: ND-730Bq/kg (dried mud) (*38-590Bq/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	150 (175)	19 (20)	6 (6)	3 (9)	3 (1)	12 (22)	193 (233)
Lakes and headwaters	71 (25)	20 (5)	11 (8)	10 (1)	7 (4)	67 (35)	186 (78)
Coasts	33 (18)	-	-	-	-	-	33 (18)

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

(Rivers)

Cs-134 + Cs-137: 11-151,000Bq/kg (dry) (*ND-82,000Bq/kg (dry))

Spatial dose: 0.07-10.89μSv/h

(Lakes and headwaters)

Cs-134 + Cs-137: 21-1,050,000Bq/kg (dry) (*34-121,000Bq/kg (dry))

Spatial dose: 0.04-51.04μSv/h

(Annex for details)
(Map attached)

Future Plans

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

○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	
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2012/11/8	Sunny	3.40	0.0	63	4,740	8	4	<1	<1	<1	
2	Koizumigawa River	Koizumibashi Bridge		2012/11/8	Sunny	0.40	0.0	>100	32	2	1	<1	<1	<1	
3		Hvakkenbashi Bridge	Somashi City	2012/11/8	Sunny	2.35	0.0	65	4	8	5	<1	<1	<1	
4	Udagawa River	Horisakabashi Bridge		2012/11/8	Sunny	0.35	0.0	>100	13	<1	0	<1	<1	<1	
5		Hvakkenbashi Bridge		2012/11/8	Sunny	0.30	0.0	>100	4	4	2	<1	<1	<1	
6	Manogawa River	Ochiaibashi Bridge		2012/11/7	Sunny	0.30	0.0	>100	20	<1	1	<1	<1	<1	
7		Majimabashi Bridge		2012/11/12	Rain	0.50	0.0	>100	3	5	3	<1	<1	<1	Former evacuation-prepared areas in case of emergency
8	Kusano		Iitatemura Village	2012/11/6	Rain	0.40	0.0	>100	9	<1	1	<1	<1	<1	
9	Niitagawa River	Komiya		2012/11/6	Cloudy	0.40	0.0	83	9	3	1	<1	<1	<1	Living-restricted areas
10		Kidouchibashi Bridge	Minamisomashi City	2012/11/7	Sunny	1.00	0.0	>100	11	<1	1	<1	<1	<1	
11		Sakewabashi Bridge		2012/11/12	Rain	0.30	0.0	>100	167	4	2	<1	<1	<1	
12		Ishiwatadobashi Bridge		2012/11/7	Sunny	0.50	0.0	>100	8	<1	1	<1	<1	<1	
13	Otagawa River	Kannouchibashi Bridge		2012/11/7	Sunny	0.35	0.0	>100	10	<1	1	<1	<1	<1	
14		Masudabashi Bridge		2012/11/7	Sunny	0.80	0.0	>100	14	<1	1	<1	<1	<1	
15		JR Tetsudobashi Bridge		2012/11/7	Sunny	0.30	0.0	>100	15	4	2	<1	<1	<1	
16		Maruyamabashi Bridge		2012/11/6	Rain	0.60	0.0	86	2,210	9	4	<1	<1	<1	
17		Shimokawarabashi Bridge		2012/11/6	Cloudy	0.20	0.0	>100	12	<1	0	<1	<1	<1	
18	Odagawa River	Zenchobashi Bridge		2012/11/6	Rain	0.40	0.0	>100	15	3	2	<1	<1	<1	
19		Hatsukarabashi Bridge		2012/11/6	Rain	0.40	0.0	>100	3,290	5	3	<1	<1	<1	
20		Muroharabashi Bridge	Namiemachi Town	2012/9/19	Cloudy	0.30	0.0	>100	6	<1	0	<1	<1	<1	
	Ukedogawa River			2012/10/23	Rain	0.37	0.0	>100	8	<1	1	<1	<1	<1	
21		Ukedobashi Bridge		2012/11/15	Sunny	0.25	0.0	>100	7	<1	1	<1	<1	<1	
				2012/9/19	Cloudy	0.50	0.0	83	9	2	1	<1	<1	<1	
				2012/11/15	Sunny	0.25	0.0	>100	15	<1	1	<1	<1	<1	
22	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichishitadaira)	Tamarushi City	2012/9/20	Sunny	0.70	0.0	>100	8	1	0	<1	<1	<1	
				2012/11/9	Sunny	0.30	0.0	>100	39	<1	0	<1	<1	<1	Evacuation order lifting preparation areas
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/10/18	Cloudy	0.25	0.0	11	6	44	31	<1	<1	1	
				2012/11/15	Cloudy	1.00	0.0	>100	8	1	1	<1	<1	<1	
24		National Route 6, west	Futabamachi Town	2012/10/25	Rain	0.45	0.0	>100	14	2	2	<1	<1	<1	
25	Maedagawa River	Nakahamabashi Bridge		2012/11/20	Sunny	1.10	0.0	>100	16	<1	1	<1	<1	<1	
			Namiemachi Town	2012/9/19	Rain	2.00	0.0	48	370	3	1	<1	<1	1	
				2012/11/15	Sunny	1.60	0.0	61	1,980	5	6	<1	<1	1	
26		National Route 6, west	Okumamachi Town	2012/10/17	Sunny	0.50	0.0	>100	8	<1	1	<1	<1	<1	Living-restricted areas
27	Kumagawa River	Mikumabashi Bridge		2012/11/21	Sunny	0.25	0.0	>100	10	<1	0	<1	<1	<1	Difficult-to-return areas
				2012/10/17	Cloudy	0.30	0.0	>100	10	<1	1	<1	<1	<1	
				2012/11/20	Cloudy	0.90	0.0	>100	13	<1	0	<1	<1	<1	
28		Nabekurabashi Bridge	Kawauchimura Village	2012/10/16	Sunny	0.15	0.0	>100	7	<1	1	<1	<1	<1	
29		Sakaigawabashi Bridge		2012/11/20	Cloudy	0.20	0.0	>100	10	<1	0	<1	<1	<1	Evacuation order lifting preparation areas
30		National Route 6, west	Tomiokamachi Town	2012/11/14	Sunny	0.25	0.0	>100	7	<1	0	<1	<1	<1	
31		Kobamabashi Bridge		2012/9/19	Cloudy	0.30	0.0	91	8	<1	1	<1	<1	<1	
32	Idegawa River	Motogamabashi Bridge		2012/11/14	Sunny	0.65	0.0	>100	13	1	1	<1	<1	<1	
				2012/11/19	Cloudy	0.20	0.0	>100	10	<1	0	<1	<1	<1	
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatobashi Bridge)	Kawauchimura Village	2012/9/20	Rain	0.25	0.0	>100	5	<1	1	<1	<1	<1	Evacuation order lifting preparation areas
34		Nishiyamabashi Bridge		2012/10/16	Sunny	0.15	0.0	>100	5	<1	0	<1	<1	<1	Former evacuation-prepared areas in case of emergency
35	Kidogawa River	Nagatorobashi Bridge		2012/11/19	Cloudy	1.05	0.0	>100	6	<1	1	<1	<1	<1	Evacuation order lifting preparation areas
36		Kidokawabashi Bridge		2012/11/19	Cloudy	0.60	0.0	>100	6	<1	1	<1	<1	<1	
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2012/11/11	Rain	0.25	0.0	>100	12	<1	0	<1	<1	<1	Former evacuation-prepared areas in case of emergency

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

No.	Water body	Point	Municipality	Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
							Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137	
38	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2012/11/7	Cloudy	0.25	0.0	94	30	6	3	<1	<1	<1	
39	Kohisagawa River	Rengobashi Bridge		2012/11/7	Cloudy	0.40	0.0	>100	55	2	2	<1	<1	<1	
40	Niidaigawa River	Kasumidabashi Bridge		2012/11/7	Cloudy	0.50	0.0	88	26	2	1	<1	<1	<1	
41	Matsubabashi Bridge			2012/11/6	Rain	0.70	0.0	71	158	1	1	<1	<1	<1	
42	Kitanouchibashi Bridge			2012/11/5	Cloudy	0.50	0.0	>100	15	3	1	<1	<1	<1	
43	Natsuigawa River	Kyudayubashi Bridge		2012/11/6	Rain	1.20	0.0	74	38	3	1	<1	<1	<1	
44		Rokujumaiabashi Bridge		2012/11/5	Sunny	0.50	0.0	90	17	1	1	<1	<1	<1	
45		Iwaanatsumabashi Bridge		2012/11/9	Sunny	0.20	0.0	>100	12	<1	0	<1	<1	<1	
46	Yoshimagawa River	Before the confluence with Natsuigawa River		2012/11/15	Sunny	0.20	0.0	>100	21	<1	1	<1	<1	<1	
47	Shimabashi Bridge			2012/10/19	Cloudy	0.70	0.0	40	50	13	9	<1	<1	<1	
48	Fujiwaragawa River		Iwakishi City	2012/11/15	Sunny	0.40	0.0	66	28	4	4	<1	<1	<1	Samples collected in the upper stream due to bridge construction
49	Minatoohashi Bridge			2012/10/19	Cloudy	2.00	0.0	45	1	9	7	<1	<1	<1	
50	Samegawa River	Idosawabashi Bridge		2012/11/15	Sunny	2.50	0.0	45	36	5	3	<1	<1	<1	
51	Shitokigawa River	Samegawabashi Bridge		2012/11/9	Sunny	3.60	0.0	>100	13	<1	1	<1	<1	<1	
52	Bindagawa River	Kobanabashi Bridge		2012/11/16	Sunny	4.50	0.0	73	444	1	2	<1	<1	<1	
53		Bindabashi Bridge		2012/10/19	Cloudy	1.00	0.0	70	64	4	2	<1	<1	<1	
				2012/11/16	Sunny	0.30	0.0	>100	29	<1	0	<1	<1	<1	
				2012/11/9	Sunny	0.50	0.0	>100	29	2	2	<1	<1	<1	
				2012/11/16	Sunny	1.10	0.0	67	281	2	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, Hamadori Area) : Sediment Monitoring Results

No.	Water body	Sampling point	Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)					Remarks	
						Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total			
1	Jizogawa River	Hamahatabashi Bridge	2012/11/8	Sunny	3.40	5	74	Silt	<30	120	200	320			
2	Koizumigawa River	Kozumibashi Bridge	Somashi City	2012/11/8	Sunny	0.40	5	89	Sand	<30	180	290	470		
3		Hyakkenbashi Bridge		2012/11/8	Sunny	2.35	5	77	Silt	<30	500	850	1,350		
4	Udagawa River	Horisakabashi Bridge		2012/11/8	Sunny	0.35	3	91	Sand	<30	280	480	760		
5		Hyakkenbashi Bridge		2012/11/8	Sunny	0.80	5	92	Sand	<30	31	53	84		
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2012/11/7	Sunny	0.80	5	91	Sand	<30	170	280	450		
7		Majimabashi Bridge		2012/11/12	Rain	0.50	5	90	Sand	<30	180	320	500	Former evacuation-prepared areas in case of emergency	
8		Kusano	Iitatemura Village	2012/11/6	Rain	0.40	4	93	Sand	<30	590	990	1,580	Living-restricted areas	
9	Niitagawa River	Komiya		2012/11/6	Cloudy	0.40	3	91	Sand	<30	1,600	2,700	4,300		
10		Kidouchibashi Bridge		2012/11/7	Sunny	1.00	3	91	Sand	<30	920	1,600	2,520		
11		Sakekawabashi Bridge		2012/11/12	Rain	0.80	3	66	Silt	<30	1,900	3,400	5,300		
12		Ishiwatadobashi Bridge		2012/11/7	Sunny	0.50	3	90	Sand	<30	3,200	5,500	8,700	Former evacuation-prepared areas in case of emergency	
13		Kaminouchibashi Bridge		2012/11/7	Sunny	0.35	5	93	Sand	<30	1,900	3,300	5,200		
14	Otagawa River	Masudabashi Bridge		2012/11/7	Sunny	0.80	2	78	Sand	<30	4,600	7,900	12,500		
15		JR Tetsudobashi Bridge		2012/11/7	Sunny	0.30	3	89	Sand	<30	650	1,100	1,750		
16		Maruyamabashi Bridge	Minamisomashi City	2012/11/6	Rain	0.60	3	92	Sand	<30	19	29	48		
17		Shimokawarabashi Bridge		2012/11/6	Cloudy	0.20	2	95	Sand	<30	390	690	1,080	Evacuation order lifting preparation areas	
18	Odakagawa River	Zenobabashi Bridges		2012/11/6	Rain	0.40	5	94	Sand	<30	130	220	360		
19		Hatsukarabashi Bridge		2012/11/6	Rain	0.40	3	91	Sand	<30	<10	18	18		
20		Muroharabashi Bridge		2012/9/19	Cloudy	0.30	3	93	Sand	<30	5,800	9,800	15,600		
21	Ukedogawa River	Ukedobashi Bridge	Namiemachi Town	2012/10/23	Rain	0.37	5	93	Sand	<30	5,500	9,100	14,600	Restricted areas	
22	Furumichigawa River	Before the confluence with Takasegawa River		2012/11/15	Sunny	0.25	5	94	Sand	<30	4,900	8,500	13,400		
23	Takasegawa River	Keiobashi Bridge		2012/9/19	Cloudy	0.50	3	94	Sand	<30	510	860	1,370		
24		National Route 6, west		2012/11/15	Sunny	0.25	3	91	Sand	<30	2,100	3,500	5,600	Restricted areas	
25	Maedagawa River	Nakahamabashi Bridge	Namiemachi Town	2012/9/19	Rain	2.00	2	86	Sand	<30	4,800	8,300	13,100		
26	Kumagawa River	National Route 6, west		2012/11/15	Sunny	1.60	3	84	Sand	<30	2,500	4,300	6,800		
27		Mikumabashi Bridge		2012/10/17	Sunny	0.50	2	95	Sand	<30	610	1,000	1,610	Living-restricted areas	
28		Nabekurabashi Bridge	Kawauchimura Village	2012/11/21	Sunny	0.25	3	95	Sand	<30	390	680	1,070		
29		Sakajigawabashi Bridge		2012/10/17	Cloudy	0.30	2	94	Sand	<30	1,100	1,800	2,900	Difficult-to-return areas	
30	Tomioikagawa River	National Route 6, west		2012/11/20	Cloudy	0.90	3	91	Sand	<30	1,300	2,200	3,500		
31		Kobamabashi Bridge		2012/10/16	Sunny	0.15	5	92	Sand	<30	120	190	310		
32	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2012/11/20	Cloudy	0.20	3	89	Sand	<30	100	170	270	Evacuation order lifting preparation areas	
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatobashi Bridge)		2012/11/14	Sunny	0.25	3	93	Sand	<30	170	270	440		
34	Kidogawa River	Nishiyamabashi Bridge		2012/9/19	Cloudy	0.30	3	94	Sand	<30	930	1,600	2,530		
35		Nagatorobashi Bridge		2012/11/14	Sunny	0.30	3	94	Gravel	<30	480	820	1,300	Restricted areas	
36		Kidekawabashi Bridge	Narahamachi Town	2012/9/19	Cloudy	0.30	1	94	Sand	<30	930	1,600	2,530		
37	Asamigawa River	Bodabashi Bridge		2012/11/14	Sunny	0.65	3	92	Sand	<30	1,300	2,300	3,600		
				2012/11/16	Rain	0.25	5	94	Gravel/sand	<30	110	200	310		
				2012/10/16	Sunny	0.15	4	94	Sand	<30	110	180	290	Evacuation order lifting preparation areas	
				2012/11/19	Rain	0.40	3	92	Sand	<30	74	120	194		
				2012/9/20	Rain	0.50	3	93	Sand	<30	31	55	86	Former evacuation-prepared areas in case of emergency	
				2012/11/19	Cloudy	1.05	5	91	Sand	<30	55	82	137		
				2012/11/19	Cloudy	0.30	5	93	Sand	<30	86	150	236	Evacuation order lifting preparation areas	
				2012/11/19	Cloudy	0.60	5	93	Sand	<30	120	200	320		
				2012/11/11	Rain	0.25	5	91	Sand	<30	55	98	153	Former evacuation-prepared areas in case of emergency	

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

No.	Water body	Point	Municipality	Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)					Remarks
							Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total		
38	Ohisagawa River	Kageisobashi Bridge		2012/11/7	Cloudy	0.25	5	97	Gravel	<30	200	360	560		
39	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2012/11/7	Cloudy	0.40	5	93	Gravel	<30	46	81	127		
40	Niitagawa River	Kasumidabashi Bridge		2012/11/7	Cloudy	0.50	3	95	Gravel	<30	30	45	75		
41		Matsubabashi Bridge		2012/11/6	Rain	0.70	5	91	Sand	<30	55	96	151		
42		Kitanouchibashi Bridge	Onomachi Town	2012/11/5	Cloudy	0.50	5	75	Sand	<30	62	110	172		
43	Natsuigawa River	Kyudayubashi Bridge		2012/11/6	Rain	1.20	5	84	Sand	<30	54	95	149		
44		Rokujumaiabashi Bridge		2012/11/15	Sunny	0.50	5	92	Sand	<30	23	49	72		
45		Iwaanatsuribashi Bridge		2012/11/9	Sunny	0.20	5	88	Gravel/sand	<30	76	130	206		
46	Yoshimagawa River	Before the confluence with Natsuigawa River		2012/11/15	Sunny	0.20	7	80	Sand	<30	71	120	191		
47		Shimabashi Bridge		2012/10/19	Cloudy	0.70	3	82	Sand	<30	<10	13	13		
48	Fujiwaragawa River	Minatooohashi Bridge	Iwakishi City	2012/11/5	Sunny	0.40	-	-	-	-	-	-	-	Unable to collect samples due to river bottom being concrete	
				2012/10/19	Cloudy	2.00	3	76	Sand	<30	210	370	580		
49	Samegawa River	Idosawabashi Bridge		2012/11/5	Sunny	2.50	5	66	Silt	<30	330	580	910		
50		Samegawabashi Bridge		2012/11/9	Sunny	3.60	-	-	-	-	-	-	-	Unable to collect samples due to increased water level	
51	Shitokigawa River	Komurobashi Bridge		2012/11/6	Sunny	4.50	5	85	Sand	<30	39	67	106		
52		Kobanabashi Bridge		2012/11/6	Cloudy	1.00	3	92	Sand	<30	26	52	78		
53	Bindagawa River	Bindabashi Bridge		2012/11/6	Sunny	0.30	5	78	Sand	<30	88	120	208		
				2012/11/9	Sunny	0.50	5	93	Sand	<30	150	270	420		
				2012/11/16	Sunny	1.10	7	81	Sand	<30	200	340	540		

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

○ 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 $\mu\text{Sv/h}$		Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137	Total	Air dose $\mu\text{Sv/h}$				
1	Jizogawa River	Hamahatahashi Bridge	Shinchiomachi Town	2012/11/8	Sunny	Sandy	<30	950	1,600	2,550	0.21	Sandy	<30	1,000	1,700	2,700	0.16				
2	Kozumigawa River	Kozumibashi Bridge	Somashi City	2012/11/8	Sunny	Loamy	<30	700	1,200	1,900	0.27	Loamy	<30	720	1,300	2,020	0.26				
3		Hirakakenbashi Bridge		2012/11/8	Sunny	Loamy	<30	1,000	1,200	2,200	0.29	Loamy	<30	990	1,000	2,000	0.28				
4	Udagawa River	Udagabashi Bridge		2012/11/8	Sunny	Loamy	<30	2,000	3,500	5,500	0.34	Loamy	<30	760	1,200	1,900	0.37				
5		Hirakkenbashi Bridge		2012/11/8	Sunny	Loamy	<30	630	1,100	1,730	0.38	Loamy	<30	530	890	1,420	0.34				
6	Manegawa River	Ochiaibashi Bridge		2012/11/7	Sunny	Sandy	<30	1,000	1,800	2,800	0.45	Loamy	<30	2,000	3,400	5,400	0.57				
7		Majimabashi Bridge	Minamisomashi City	2012/11/12	Rain	Loamy	<30	220	380	600	0.17	Loamy	<30	1,200	2,200	3,400	0.20	Former evacuation-prepared areas in case of emergency			
8		Kusano	Iitatemura Village	2012/11/6	Rain	Loamy/sandy	<30	1,500	2,400	3,900	2.10	Loamy	<58	13,000	23,000	36,000	3.01	Living-restricted areas			
9	Nidagawa River	Komwa		2012/11/6	Cloudy	Loamy	<30	4,800	8,100	12,900	3.49	Loamy	<30	1,900	3,200	5,100	3.51				
10		Kakochibashi Bridge		2012/11/7	Sunny	Loamy	<30	2,300	3,900	6,200	0.87	Loamy	<30	2,900	4,900	7,800	1.10				
11		Sakakawabashi Bridge		2012/11/12	Rain	Loamy	<30	20	34	54	0.58	Loamy	<30	1,500	2,600	4,100	0.60				
12		Ishiwatadobashi Bridge		2012/11/7	Sunny	Sandy	<33	6,000	10,000	16,000	1.60	Loamy	<30	5,400	9,200	14,600	1.70				
13	Otagawa River	Kaminouchabashi Bridge		2012/11/7	Sunny	Loamy	<30	2,000	3,400	5,400	0.78	Loamy	<30	3,200	5,600	8,800	0.72				
14		Masudabashi Bridge		2012/11/7	Sunny	Loamy	<30	800	1,400	2,200	0.31	Loamy	<30	1,600	2,700	4,300	0.35				
15		JR Tetsudobashi Bridge		2012/11/7	Sunny	Loamy	<30	480	830	1,310	0.36	Loamy	<30	640	1,100	1,740	0.35				
16		Arayamabashi Bridge		2012/11/6	Rain	Sandy	<30	600	1,000	1,600	0.18	Sandy	<30	1,100	1,900	3,000	0.63				
17		Shinkarakobashi Bridge		2012/11/6	Cloudy	Sandy	<30	1,200	2,100	3,300	0.84	Loamy	<30	2,200	3,800	6,000	0.84	Evacuation order lifting preparation areas			
18	Odakagawa River	Zenobashibashi Bridge	Minamisomashi City	2012/11/6	Rain	Loamy	<30	680	1,200	1,880	0.37	Loamy	<30	720	1,300	2,020	0.58				
19		Hatsukarabashi Bridge		2012/11/6	Rain	Sandy	<30	14	24	38	0.10	Sandy	<30	41	65	106	0.13				
20		Muroharabashi Bridge		2012/9/19	Cloudy	Loamy	<77	28,000	48,000	76,000	8.26	-	-	-	-	-	-				
	Ukedogawa River	Namiemachi Town	Namiemachi Town	2012/10/23	Rain	Loamy	<70	28,000	50,000	78,000	8.97	Loamy	<65	24,000	42,000	66,000	8.31				
21		Ukedobashi Bridge		2012/11/5	Sunny	Loamy	<63	21,000	36,000	57,000	7.98	Loamy	<84	26,000	46,000	72,000	9.10	Restricted areas			
22	Furumichigawa River	Before the confluence with Takagawa River (Myakojimachi Town furumichitadara)	Tamurashi City	2012/9/20	Sunny	Loamy	<30	2,500	4,200	6,700	0.54	Loamy	<30	2,200	3,700	5,900	0.50	Evacuation order lifting preparation areas			
23	Takagawa River	Keiobashi Bridge	Namiemachi Town	2012/11/9	Sunny	Loamy	<30	1,500	2,600	3,500	1.60	-	-	-	-	-	-				
24		National Route 6, west	Futabamachi Town	2012/11/15	Cloudy	Loamy	<30	1,300	2,200	3,500	1.67	Loamy	<30	200	360	560	0.67				
25	Maedagawa River	Nakahabashi Bridge	Namiemachi Town	2012/11/20	Sunny	Loamy	<61	18,000	34,000	52,000	3.92	Loamy	<86	43,000	83,000	126,000	8.97	Restricted areas			
26		National Route 6, west	Okumamachi Town	2012/9/19	Rain	-	-	-	-	-	-	Loamy	<30	890	1,600	2,490	0.57				
27		Mikunabashi Bridge	Kawachiomura Village	2012/11/15	Sunny	Loamy	<30	1,300	2,400	3,700	0.67	Loamy	<30	950	1,700	2,650	0.65				
28		Nabekurabashi Bridge		2012/11/17	Sunny	Loamy	<30	1,300	2,400	3,700	0.67	Loamy	<79	23,000	38,000	61,000	6.07	Living-restricted areas			
29		Sakagawabashi Bridge		2012/11/14	Sunny	Loamy	<59	15,000	26,000	41,000	4.28	Loamy	<57	15,000	25,000	40,000	4.77	Evacuation order lifting preparation areas			
30	Tomokagawa River	National Route 6, west	Tomiokamachi Town	2012/11/14	Sunny	Loamy	<39	8,700	15,000	23,700	4.91	Loamy	<46	9,100	16,000	25,100	3.68	Restricted areas			
31		Kobanabashi Bridge	2012/9/19	Cloudy	Sandy	<35	10,000	17,000	27,000	2.16	-	-	-	-	-	-					
32	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2012/11/14	Sunny	Sandy	<30	5,000	8,600	13,600	2.20	Loamy/sandy	<30	1,900	3,400	5,300	1.02				
33	Kawauchigawa River	Before the confluence with Kidegawa River (Futamabashi Bridge)	Kawachiomura Village	2012/9/20	Rain	Sandy	<30	4,800	8,200	13,000	10.89	Loamy	<89	55,000	96,000	151,000	5.18				
34				2012/10/16	Rain	Sandy	<30	1,800	3,200	5,100	0.66	Loamy	<20	1,800	3,600	4,600	0.64				
35		Nishiyamabashi Bridge		2012/11/19	Cloudy	Loamy	<30	3,600	1,500	2,360	0.61	Loamy	<30	2,200	3,100	3,300	0.75				
36	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/11/19	Cloudy	Loamy	<30	4,100	4,100	6,500	0.76	Loamy	<30	1,600	2,700	4,300	0.70	Evacuation order lifting preparation areas			
37	Asamigawa River	Kidokawabashi Bridge	Hironomachi Town	2012/11/11	Rain	Loamy/sandy	<30	1,800	3,200	5,000	0.39	Loamy	<30	1,500	2,500	4,000	0.48	Former evacuation-prepared areas in case of emergency			

○ 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)				Air dose $\mu\text{Sv/h}$		
							Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total		Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total			
38	Ohsugawa River	Kagenobashi Bridge	Iwakishi City	2012/11/7	Cloudy	-	-	-	-	-	Sandy	<30	1,100	1,800	2,900	0.27	Soil not exposed	
39	Kohsugawa River	Rengabashi Bridge		2012/11/7	Cloudy	Loamy	<30	1,500	2,500	4,000	0.45	Loamy	<30	760	1,300	2,060	0.46	
40	Niagigawa River	Kasumabashi Bridge		2012/11/7	Cloudy	Loamy	<30	900	1,500	2,400	0.24	Loamy	<30	1,700	3,000	4,700	0.30	
41		Matsubabashi Bridge		2012/11/6	Rain	Loamy	<30	830	1,400	2,230	0.33	Loamy	<30	800	1,300	2,100	0.33	
42		Kitanouchibashi Bridge		2012/11/5	Cloudy	Loamy	<30	510	900	1,410	0.17	Loamy	<30	130	230	360	0.17	
43	Natsugawa River	Kyudayubashi Bridge		2012/11/6	Rain	Sandy	<30	311	49	80	0.19	Loamy	<30	110	180	290	0.14	
44		Kurodai Bridge		2012/11/6	Rain	Sandy	<30	360	560	920	0.23	Loamy	<30	200	320	520	0.23	
45	Yoshimagawa River	Iwanatobashi Bridge		2012/11/9	Sunny	Loamy-skeletal	<30	550	920	1,470	0.23	Loamy	<30	930	1,600	2,530	0.32	
46		Before the confluence with Natsugawa River		2012/11/5	Sunny	Loamy	<30	270	490	760	0.17	Loamy	<30	340	550	890	0.21	
47	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2012/11/5	Cloudy	Loamy	<30	640	1,000	1,640	0.17	Loamy	<30	710	1,200	1,910	0.14	
48		Mnatoohashi Bridge		2012/11/5	Sunny	Loamy	<30	410	700	1,110	0.19	Loamy	<30	45	67	112	0.11	
49		Idoawabashi Bridge		2012/11/5	Cloudy	Loamy	<30	240	430	670	0.17	Loamy	<30	580	990	1,570	0.14	
50	Samegawa River	Samegawabashi Bridge		2012/11/9	Sunny	Loamy	<30	320	590	910	0.12	Sandy	<30	860	1,500	2,360	0.26	
51	Shinokagawa River	Komurobashi Bridge		2012/10/3	Sunny	Sandy	<30	19	34	53	0.04	Loamy	<30	180	320	500	0.04	Soil not exposed
52		Kobanabashi Bridge	Iwakishi City	2012/10/9	Cloudy	Loamy	<30	740	1,300	2,040	0.22	Loamy	<30	1,700	2,900	4,600	0.26	
53	Bindagawa River	Bindabashi Bridge		2012/11/6	Sunny	Loamy	<30	500	900	1,400	0.21	Loamy	<30	480	860	1,340	0.21	
54		Kobanabashi Bridge	Iwakishi City	2012/11/9	Sunny	Loamy	<30	660	1,200	1,860	0.20	Loamy	<30	290	510	800	0.15	
55		Bindabashi Bridge		2012/11/16	Sunny	Loamy	<30	350	600	950	0.11	Sandy	<30	390	630	1,020	0.21	

* 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.

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

No.	Sampling point		Municipality	Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
	Water body	Point					Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137	
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/10/9	Sunny	0.20	0.0	>100	13	2	1	<1	<1	<1	
55		Tamachiohashi Bridge		2012/11/22	Cloudy	0.20	0.0	>100	13	<1	1	<1	<1	<1	
56	Yantagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2012/10/2	Cloudy	0.60	0.0	20	11	33	9	<1	<1	<1	
57				2012/11/1	Sunny	0.50	0.0	76	12	2	1	<1	<1	<1	
58	Kitasugawa River	Yanagibashi Bridge	Hiratamura Village	2012/10/9	Sunny	0.90	0.0	>100	49	1	1	<1	<1	<1	
59				2012/11/1	Sunny	0.60	0.0	60	48	1	1	<1	<1	<1	
60	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/10/9	Sunny	0.25	0.0	>100	15	2	1	<1	<1	<1	
61				2012/11/19	Cloudy	0.50	0.0	>100	15	<1	1	<1	<1	<1	
62	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/10/16	Sunny	0.15	0.0	>100	15	<1	1	<1	<1	<1	
63				2012/11/21	Sunny	0.20	0.0	>100	14	1	1	<1	<1	<1	
64	Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	2012/10/9	Sunny	0.80	0.0	>100	12	2	1	<1	<1	<1	
65				2012/11/21	Sunny	0.70	0.0	>100	8	2	2	<1	<1	<1	
66	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/10/2	Cloudy	0.50	0.0	32	15	13	4	<1	<1	<1	
67				2012/11/21	Sunny	0.20	0.0	89	18	3	2	<1	<1	<1	
68	Emochibashi Bridge	Shakadogawa River	Sukagawashi City	2012/11/1	Sunny	0.85	0.0	>100	17	4	3	<1	<1	<1	
69				2012/10/16	Sunny	0.20	0.0	>100	16	<1	1	<1	<1	<1	
70	Before the confluence with Abukumagawa River	Sukagawashi City water intake point	Sukagawashi City	2012/11/8	Cloudy	0.20	0.0	81	17	3	3	<1	<1	<1	
71				2012/10/16	Sunny	0.30	0.0	>100	18	1	1	<1	<1	<1	
72	Before the confluence with Babagawa River	Otakinegawa River	Koriyamashi City	2012/11/20	Cloudy, partly rain	0.30	0.0	89	19	4	3	<1	<1	<1	
73				2012/9/25	Cloudy	0.40	0.0	43	21	7	2	<1	<1	<1	
74	Before the confluence with Abukumagawa River	Shinbashi Bridge	Koriyamashi City	2012/11/1	Sunny	0.40	0.0	52	27	6	6	<1	<1	<1	
75				2012/9/25	Cloudy, then sunny	0.20	0.0	57	25	8	2	<1	<1	<1	
76	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/11/1	Sunny	0.20	0.0	>100	23	2	1	<1	<1	<1	
77				2012/9/25	Cloudy	0.30	0.0	46	16	6	2	<1	<1	<1	
78	Before the confluence with Abukumagawa River	Funehikibashi Bridge	Koriyamashi City	2012/11/14	Sunny	0.30	0.0	90	16	2	1	<1	<1	<1	
79				2012/9/25	Cloudy, then sunny	0.20	0.0	26	16	14	7	<1	<1	<1	
80	Before the confluence with Babagawa River	Otakinegawa River	Koriyamashi City	2012/10/31	Cloudy	0.20	0.0	74	16	3	3	<1	<1	<1	
81				2012/10/2	Cloudy	0.15	0.0	70	22	4	2	<1	<1	<1	
82	Before the confluence with Babagawa River	Makunouchibashi Bridge	Koriyamashi City	2012/10/31	Sunny	0.30	0.0	>100	28	<1	1	<1	<1	<1	
83				2012/9/25	Cloudy	0.30	0.0	85	32	5	2	<1	<1	<1	
84	Before the confluence with Abukumagawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/10/31	Sunny	0.60	0.0	>100	33	2	2	<1	<1	<1	
85				2012/10/2	Cloudy	0.40	0.0	42	24	3	2	<1	<1	<1	
86	Before the confluence with Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2012/10/31	Sunny	0.15	0.0	92	37	3	2	<1	<1	<1	
87				2012/10/16	Sunny	0.40	0.0	>100	33	2	1	<1	<1	<1	
88	Abukumagawa River	After the confluence with Ishimurogawa River	Motomiyaishi City	2012/11/14	Sunny	0.30	0.0	55	26	2	2	<1	<1	<1	
89				2012/10/2	Cloudy	0.30	0.0	60	10	2	1	<1	<1	<1	
90	Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyaishi City	2012/10/31	Sunny	0.30	0.0	>100	10	2	1	<1	<1	<1	
91				2012/10/2	Cloudy	1.00	0.0	61	15	3	1	<1	<1	<1	
92	Before the confluence with Abukumagawa River	Before the confluence with Abukumagawa River	Motomiyaishi City	2012/10/29	Sunny	0.80	0.0	60	19	5	2	<1	<1	<1	
93				2012/10/3	Cloudy	0.20	0.0	81	16	2	2	<1	<1	<1	
94	Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyaishi City	2012/10/29	Sunny	0.20	0.0	44	15	6	3	<1	<1	<1	

○River (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	Radioactive cesium Cs-137	
76	Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2012/10/18	Cloudy	1.00	0.0	20	13	46	21	<1	<1	<1	1
77		Kuchibutogawa River		2012/11/14	Sunny	1.50	0.0	82	23	4	3	<1	<1	<1	<1
78		Utsushigawa River		2012/10/4	Rain	0.30	0.0	18	9	29	7	<1	<1	<1	1
79		Mizuharagawa River		2012/10/30	Cloudy	0.62	0.0	>100	12	2	1	<1	<1	<1	<1
80		Megamigawa River		2012/10/3	Rain	0.20	0.0	28	15	10	3	<1	<1	<1	<1
81		Abukumagawa River		2012/11/13	Cloudy	0.70	0.0	18	18	47	18	<1	<1	<1	<1
A b u k u m a g a w a	Nigorigawa River	Getouchibashi Bridge	Fukushimaishi City	2012/10/4	Cloudy	0.50	0.0	7	7	55	33	<1	<1	<1	<1
82		Tsurumakibashi Bridge		2012/11/1	Cloudy	0.20	0.0	>100	10	<1	1	<1	<1	<1	<1
83		Horaibashi Bridge		2012/10/4	Cloudy	0.30	0.0	71	22	2	1	<1	<1	<1	<1
84		Before the confluence with Omorigawa River		2012/11/1	Sunny	0.40	0.0	>100	25	<1	1	<1	<1	<1	<1
85		Hinokurabashi Bridge		2012/10/18	Cloudy	1.00	0.0	15	16	38	22	<1	<1	<1	<1
86		Sukawabashi Bridge		2012/11/13	Cloudy	0.20	0.0	74	22	5	4	<1	<1	<1	<1
R i v e r		Nigorigawa River		2012/10/3	Cloudy	0.40	0.0	67	18	4	2	<1	<1	<1	<1
87		Before the confluence with Abukumagawa River		2012/11/2	Cloudy	0.30	0.0	76	23	7	4	<1	<1	<1	<1
S y s t e m		Arakawa River		2012/11/1	Cloudy	0.20	0.0	67	23	3	3	<1	<1	<1	<1
88		Sukawa River		2012/10/3	Rain	0.40	0.0	>100	39	<1	0	<1	<1	<1	<1
89	Arakawa River	Before the confluence with Abukumagawa River	Surikamigawa River	2012/11/1	Cloudy	0.50	0.0	>100	50	<1	0	<1	<1	<1	<1
90		Hattandagawa River		2012/10/18	Cloudy	0.50	0.0	>100	31	10	4	<1	<1	<1	<1
91		Hattandabashi Bridge		2012/11/12	Cloudy	0.70	0.0	40	30	15	6	<1	<1	<1	<1
92		Totsunabashi Bridge		2012/10/18	Cloudy	0.40	0.0	>100	35	<1	1	<1	<1	<1	<1
93		Surikamigawa River		2012/11/12	Cloudy	0.20	0.0	39	17	7	6	<1	<1	<1	<1
94		Before the confluence with Abukumagawa River		2012/10/3	Cloudy	0.50	0.0	51	21	9	4	<1	<1	<1	<1
95	Hirosegawa River	Taishobashi Bridge	Dateshi City	2012/10/31	Cloudy	0.30	0.0	37	21	14	5	<1	<1	<1	<1
96		Tatenokoshibashi Bridge		2012/11/13	Sunny	0.30	0.0	>100	8	<1	1	<1	<1	<1	<1
97		Jizogawarabashi Bridge		2012/10/31	Cloudy	0.50	0.0	>100	9	<1	1	<1	<1	<1	<1
Others	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/10/3	Rain	0.30	0.0	67	15	3	2	<1	<1	<1	<1
		Before the confluence with Abukumagawa River		2012/10/31	Cloudy	0.30	0.0	>100	14	2	1	<1	<1	<1	<1
		Hirosegawa River		2012/10/3	Cloudy	0.40	0.0	76	26	6	3	<1	<1	<1	<1
				2012/10/23	Rain	0.30	0.0	95	30	2	1	<1	<1	<1	<1
				2012/11/13	Cloudy	0.70	0.0	>100	30	1	1	<1	<1	<1	<1
				2012/10/18	Cloudy	0.60	0.0	24	14	25	13	<1	<1	<1	<1
				2012/11/13	Cloudy	0.30	0.0	>100	18	1	2	<1	<1	<1	<1
	Kurokawa River	Tochigisakai	Shirakawashi City	2012/10/30	Sunny	0.25	0.0	>100	9	<1	0	<1	<1	<1	<1
	Others	Matsuokabashi Bridge	Tanaguramachi Town	2012/11/19	Cloudy, partly rain	0.40	0.0	70	14	4	3	<1	<1	<1	<1
		Takachiharabashi Bridge	Yamatsurimachi Town	2012/11/19	Rain	0.40	0.0	>100	12	2	2	<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

No.	Sampling point		Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)				Remarks
	Water body	Point				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137	Total	
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/10/9	Sunny	0.20	3	91	Sand	<30	10	21	31
				2012/11/22	Cloudy	0.20	1	91	Sand	<30	19	30	49
55	Yantagawa River	Tamachiohashi Bridge	Shirakawashi City	2012/10/2	Cloudy	0.60	3	94	Sand	<30	23	37	60
				2012/11/1	Sunny	0.50	3	91	Sand	<30	33	52	85
56	Yashirogawa River	Before the confluence with Abukumagawa River	Tanaguramachi Town	2012/10/9	Sunny	0.90	3	72	Sand/silt	<30	3,000	5,100	8,100
				2012/11/1	Sunny	0.60	1	84	Sand/silt	<30	620	1,100	1,720
57	Kitasugawa River	Yanagibashi Bridge	Hiratamura Village	2012/10/9	Sunny	0.25	3	90	Sand	<30	53	76	129
				2012/11/19	Cloudy	0.50	4	83	Sand	<30	110	190	300
58	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/10/16	Sunny	0.15	3	94	Sand	<30	<10	14	14
				2012/11/21	Sunny	0.20	8	90	Sand	<30	17	40	57
59	Yashirogawa River	Ojibashi Bridge	A b u k u m a g a w a	2012/10/9	Sunny	0.70	3	88	Sand	<30	37	68	105
				2012/11/19	Cloudy	0.30	15	44	Silt	<30	530	920	1,450
60	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/10/9	Sunny	0.80	4	93	Sand	<30	22	33	55
				2012/11/21	Sunny	0.70	10	91	Sand	<30	35	63	98
61	Emochibashi Bridge	Sukagawashi City water intake point	A b u k u m a g a w a	2012/10/2	Cloudy	0.50	2	83	Sand	<30	70	110	180
				2012/11/21	Sunny	0.20	3	73	Sand/silt	<30	170	280	450
62	Before the confluence with Abukumagawa River	Shakadogawa River	Sukagawashi City	2012/11/1	Sunny	0.85	2	77	Sand	<30	130	220	350
				2012/10/16	Sunny	0.20	3	94	Sand/gravel	<30	30	53	83
63	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/11/8	Cloudy	0.20	3	91	Gravel/sand	<30	58	110	168
				2012/10/16	Sunny	0.30	3	92	Sand	<30	43	74	117
64	Yatagawa River	Yatagawabashi Bridge	R i v e r	2012/11/20	Cloudy, partly rain	0.30	5	85	Sand	<30	320	570	890
				2012/9/25	Cloudy	0.40	2	91	Sand	<30	87	150	237
65	Otakinegawa River	Funehikibashi Bridge	Koriyamashi City	2012/11/1	Sunny	0.40	2	91	Sand	<30	70	130	200
				2012/9/25	Cloudy, then sunny	0.20	1	94	Sand	<30	33	66	99
66	Before the confluence with Abukumagawa River	Before the confluence with Babagawa River	S y s t e m	2012/11/1	Sunny	0.20	3	93	Sand	<30	30	51	81
				2012/9/25	Cloudy	0.30	3	94	Sand	<30	40	56	96
67	Before the confluence with Abukumagawa River	Makunouchibashi Bridge	Koriyamashi City	2012/11/14	Sunny	0.30	4	91	Sand	<30	46	87	133
				2012/9/25	Cloudy, then sunny	0.20	3	94	Sand	<30	32	57	89
68	Before the confluence with Babagawa River	Before the confluence with Abukumagawa River	Ousegawa River	2012/10/31	Cloudy	0.20	3	91	Gravel/sand	<30	40	68	108
				2012/10/2	Cloudy	0.15	3	93	Sand	<30	44	66	110
69	Before the confluence with Babagawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/10/31	Sunny	0.30	3	86	Sand	<30	130	240	370
				2012/9/25	Cloudy	0.30	2	92	Sand	<30	160	280	440
70	Before the confluence with Abukumagawa River	Akutsubashi Bridge	Abukumagawa River	2012/10/31	Sunny	0.60	5	94	Gravel/sand	<30	79	130	209
				2012/10/2	Cloudy	0.40	2	91	Sand	<30	300	520	820
71	After the confluence with Ishimurogawa River	Kamisekishitabashi Bridge	Gohyakugawa River	2012/10/31	Sunny	0.15	7	92	Sand	<30	120	210	330
				2012/10/16	Sunny	0.40	3	90	Sand	<30	220	390	610
72	Before the confluence with Ishimurogawa River	Akutsubashi Bridge	Motomiyaishi City	2012/11/14	Sunny	0.30	5	89	Sand	<30	150	250	400
				2012/10/2	Cloudy	0.30	6	93	Sand	<30	16	34	50
73	Before the confluence with Ishimurogawa River	Kamisekishitabashi Bridge	Gohyakugawa River	2012/10/31	Sunny	0.30	3	86	Sand	<30	44	72	116
				2012/10/2	Cloudy	1.00	7	83	Sand	<30	680	1,100	1,780
74	Before the confluence with Ishimurogawa River	Before the confluence with Abukumagawa River	Gohyakugawa River	2012/10/29	Sunny	0.80	5	81	Sand	<30	630	1,100	1,730
				2012/10/3	Cloudy	0.20	3	90	Sand	<30	120	210	330
75				2012/10/29	Sunny	0.20	3	93	Sand	<30	39	75	114

○River (Fukushima Prefecture, Nakadori 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		
76	Abukumagawa River	Takadabashi Bridge	Nihonmatsu City	2012/10/18	Cloudy	1.00	3	83	Sand	<30	180	310	490		
77		Kuchibutogawa River		2012/11/14	Sunny	1.50	3	87	Sand	<30	98	170	268		
78		Utsushigawa River		2012/10/4	Rain	0.30	5	87	Sand	<30	620	1,000	1,620		
79		Mizuharagawa River		2012/10/30	Cloudy	0.62	3	91	Sand	<30	340	580	920		
80		Megamigawa River		2012/10/3	Rain	0.20	3	84	Sand	<30	230	380	610		
81		Abukumagawa River		2012/11/13	Cloudy	0.70	5	78	Sand	<30	450	810	1,260		
82	A b u k u m a g a w a R i v e r S y s t e m	Nigorigawa River	Fukushima City	2012/10/4	Cloudy	0.50	5	66	Mud	<30	370	610	980		
83		Arakawa River		2012/11/1	Cloudy	0.20	2	87	Sand	<30	290	510	800		
84		Sukawa River		2012/10/4	Cloudy	0.30	7	90	Sand	<30	370	640	1,010		
85		Arakawa River		2012/11/1	Sunny	0.40	5	91	Sand	<30	330	570	900		
86		Matsukawa River		2012/10/18	Cloudy	1.00	3	88	Sand	<30	120	220	340		
87		Hattandagawa River		2012/11/13	Cloudy	0.20	2	91	Sand	<30	160	280	440		
88		Surikamigawa River		2012/10/3	Cloudy	0.40	6	91	Sand	<30	230	380	610		
89				2012/11/2	Cloudy	0.30	7	93	Sand	<30	150	260	410		
90				2012/11/1	Cloudy	0.20	10	87	Sand	<30	16	29	45		
91				2012/10/18	Rain	0.40	5	87	Sand	<30	31	51	82		
92	Hirosegawa River	Totsunabashi Bridge	Dateshi City	2012/10/31	Cloudy	0.50	3	83	Sand	<30	22	52	74		
93		Jizogawarabashi Bridge		2012/11/12	Cloudy	0.50	4	91	Sand	<30	61	100	161		
94		Ogunigawa River		2012/10/18	Cloudy	0.70	6	88	Sand	<30	51	94	145		
95		Before the confluence with Hirosegawa River		2012/11/12	Cloudy	0.40	3	93	Sand	<30	52	93	145		
96		Hirosegawa River		2012/10/23	Rain	0.20	2	89	Gravel/sand	<30	63	110	173		
97		Before the confluence with Abukumagawa River		2012/10/3	Cloudy	0.50	4	86	Sand	<30	1,600	2,700	4,300		
98		Hattandagawa River		2012/10/31	Cloudy	0.30	5	93	Sand	<30	220	390	610		
99		Totsunabashi Bridge		2012/11/12	Cloudy	0.50	10	87	Sand	<30	140	260	400		
100	Abukumagawa River	Surikamigawa River	Kawamatamachi Town	2012/10/31	Cloudy	0.50	10	87	Sand	<30	60	110	170		
101		Before the confluence with Abukumagawa River		2012/10/23	Rain	0.30	3	91	Sand	<30	53	87	140		
102		Taishobashi Bridge		2012/11/12	Cloudy	1.00	3	90	Sand	<30	120	210	330		
103		Tatenokoshibashi Bridge		2012/10/18	Cloudy	3.00	3	89	Sand	<30	290	480	770		
104		Jizogawarabashi Bridge		2012/11/13	Sunny	0.60	5	76	Sand	<30	470	810	1,280		
105				2012/10/4	Cloudy	0.20	3	94	Sand	<30	150	260	410		
106	Others	Hirosegawa River	Dateshi City	2012/11/12	Rain	0.50	5	91	Sand	<30	220	370	590		
107		Before the confluence with Hirosegawa River		2012/10/3	Rain	0.30	5	95	Sand	<30	130	200	330		
108		Ogunigawa River		2012/10/31	Cloudy	0.30	5	94	Sand	<30	220	360	580		
109		Before the confluence with Hirosegawa River		2012/10/3	Cloudy	0.40	3	92	Sand	<30	340	550	890		
110		Hirosegawa River		2012/10/23	Rain	0.30	3	91	Sand	<30	480	810	1,290		
111		Before the confluence with Hirosegawa River		2012/11/13	Cloudy	0.70	3	91	Gravel/sand	<30	420	730	1,150		
112		Hirosegawa River		2012/10/18	Cloudy	0.60	5	92	Sand	<30	260	460	720		
113		Before the confluence with Abukumagawa River		2012/11/13	Cloudy	0.30	2	86	Gravel/sand	<30	320	570	890		
114	Others	Kurokawa River	Tochigisakai	2012/10/30	Sunny	0.25	2	90	Sand	<30	26	47	73		
115		Matsuokabashi Bridge	Tanaguramachi Town	2012/11/19	Cloudy, partly rain	0.40	5	96	Gravel/sand	<30	<10	12	12		
116		Kujigawa River	Takachiharabashi Bridge	2012/11/19	Rain	0.40	3	94	Sand	<30	<10	16	16		

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

No.	Sampling point			Sampling date	Weather	Left bank					Right bank					Remarks		
	Water body	Point	Municipality			Property	Concentration of radioactive material Bq/kg (dry)				Property	Concentration of radioactive material Bq/kg (dry)						
							Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total		Air dose $\mu\text{Sv/h}$	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	Air dose $\mu\text{Sv/h}$	
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/10/9	Sunny	Loamy	<30	1,400	2,300	3,700	0.43	Loamy	<30	1,900	3,400	5,300	0.53	
				2012/11/22	Cloudy	Loamy	<30	1,800	3,200	5,000	0.45	Loamy/sandy/skeletal	<30	4,500	7,900	12,400	0.72	
55	Yantagawa River	Tamachiohashi Bridge	Shirakawashi City	2012/10/2	Cloudy	Loamy	<30	470	730	1,200	0.36	Loamy	<30	1,100	2,000	3,100	0.41	
				2012/11/1	Sunny	Loamy	<30	1,300	2,200	3,500	0.36	Loamy	<30	1,100	1,800	2,900	0.52	
56	Yashirogawa River	Before the confluence with Abukumagawa River	Tanaguramachi Town	2012/10/9	Sunny	Loamy	<30	2,100	3,500	5,600	0.43	Loamy	<30	1,800	3,100	4,900	0.50	
				2012/11/1	Sunny	Loamy	<30	1,500	2,600	4,100	0.42	Loamy	<30	1,400	2,300	3,700	0.34	
57	Kitasugawa River	Yashirogawabashi Bridge	Hiratamura Village	2012/10/9	Sunny	Loamy/skeletal	<30	530	890	1,420	0.23	Loamy	<30	540	880	1,420	0.23	
				2012/11/19	Cloudy	Loamy/skeletal	<30	49	94	143	0.24	Loamy/skeletal	<30	410	720	1,130	0.23	
58	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/10/16	Sunny	Loamy	<30	470	750	1,220	0.14	Loamy	<30	190	300	490	0.14	
				2012/11/21	Sunny	Loamy/sandy	<30	220	390	610	0.16	Loamy/sandy	<30	250	430	680	0.14	
59	Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	2012/10/9	Sunny	Loamy	<30	150	260	410	0.15	Loamy	<30	290	480	770	0.15	
				2012/11/19	Cloudy	Loamy/skeletal	<30	170	280	450	0.14	Loamy/sandy/skeletal	<30	190	340	530	0.16	
60	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/10/9	Sunny	Loamy	<30	330	550	880	0.12	Loamy	<30	620	1,000	1,620	0.14	
				2012/11/21	Sunny	Loamy	<30	280	500	780	0.12	Loamy	<30	840	1,400	2,240	0.14	
61	Emochibashi Bridge	Sukagawashi City water intake point	Sukagawashi City	2012/10/2	Cloudy	Sandy	<30	190	340	530	0.17	Sand	<30	290	460	750	0.15	
				2012/11/21	Sunny	Loamy	<30	42	70	112	0.12	Loamy	<30	210	330	540	0.18	
62	Sukagawashi River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/10/11	Sunny	Loamy	<30	950	1,700	2,650	0.28	Loamy	<30	520	860	1,380	0.29	
				2012/10/16	Sunny	Loamy	<30	680	1,100	1,780	0.34	Loamy	<30	820	1,400	2,220	0.30	
63	Before the confluence with Babagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/11/8	Cloudy	Loamy	<30	1,100	2,000	3,100	0.38	Loamy	<30	340	600	940	0.33	
				2012/10/16	Sunny	Loamy/sandy	<30	880	1,500	2,380	0.30	Loamy/sandy	<30	610	980	1,590	0.33	
64	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/11/20	Cloudy, partly rain	Sandy	<30	110	190	300	0.32	Loamy/sandy	<30	400	700	1,100	0.28	
				2012/9/25	Cloudy	Loamy	<30	1,500	2,500	4,000	0.57	Loamy	<30	1,200	2,100	3,300	0.60	
65	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/10/1	Sunny	Loamy	<30	1,200	2,000	3,200	0.58	Loamy	<30	2,100	3,500	5,600	0.60	
				2012/9/25	Cloudy, then sunny	Loamy	<30	2,100	3,500	5,600	0.36	Loamy	<30	1,000	1,700	2,700	0.40	
66	Funehikibashi Bridge	Otakingewara River	Tamurashi City	2012/9/25	Cloudy	Loamy	<30	770	1,300	2,070	0.17	Loamy	<30	1,200	1,900	3,100	0.22	
				2012/11/14	Sunny	Sandy	<30	660	1,200	1,860	0.14	Sandy	<30	1,100	1,900	3,000	0.18	
67	Before the confluence with Abukumagawa River	Before the confluence with Babagawa River	Koriyamashi City	2012/9/25	Cloudy, then sunny	Loamy	<30	1,600	2,600	4,200	0.38	Loamy	<30	1,200	2,000	3,200	0.43	
				2012/10/31	Cloudy	Loamy	<30	720	1,200	1,920	0.42	Loamy	<30	1,200	2,100	3,300	0.45	
68	Makunouchibashi Bridge	Before the confluence with Abukumagawa River	Koriyamashi City	2012/10/2	Cloudy	Loamy	<30	2,500	4,100	6,600	0.67	Loamy	<30	2,300	3,800	6,100	0.77	
				2012/10/31	Sunny	Loamy	<30	1,400	2,400	3,800	0.74	Loamy	<30	1,900	3,200	5,100	0.78	
69	Before the confluence with Babagawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/9/25	Cloudy	Loamy	<30	3,000	5,000	8,000	0.72	Loamy	<30	4,100	6,700	10,800	0.88	
				2012/10/31	Sunny	Loamy	<30	1,400	2,300	3,700	1.00	Loamy	<30	4,200	7,100	11,300	0.81	
70	Before the confluence with Abukumagawa River	Akutsubashi Bridge	Motomiyaishi City	2012/10/2	Cloudy	Loamy	<30	500	830	1,330	0.69	Clayish	<30	760	1,200	1,900	0.82	
				2012/10/31	Sunny	Loamy/sandy	<30	590	970	1,560	0.78	Loamy/sandy	<30	520	840	1,360	0.82	
71	Abukumagawa River	After the confluence with Ishimurogawa River	Gohyakugawa River	2012/10/16	Sunny	Loamy/sandy	<30	920	1,500	2,420	0.42	Loamy	<30	2,200	3,700	5,900	0.68	
				2012/10/2	Cloudy	Sandy	<30	400	670	1,070	0.37	Loamy	<30	1,000	1,700	2,700	0.38	
72	Kamisekishibashi Bridge	Before the confluence with Abukumagawa River	Motomiyaishi City	2012/10/31	Sunny	Sandy	<30	520	870	1,390	0.30	Loamy	<30	2,400	4,100	6,500	0.49	
				2012/10/2	Sunny	Loamy/skeletal	<30	2,000	3,400	5,400	0.90	Loamy	<30	2,200	3,500	5,700	0.83	
73	Before the confluence with Abukumagawa River	Before the confluence with Abukumagawa River	Motomiyaishi City	2012/10/29	Sunny	Loamy	<34	5,500	9,300	14,800	0.77	Loamy	<30	2,100	3,700	5,800	0.80	
				2012/10/3	Cloudy	Sandy	<30	180	310	490	0.66	Sandy	<30	300	530	830	0.66	
74	Before the confluence with Abukumagawa River	Before the confluence with Abukumagawa River	Motomiyaishi City	2012/10/29	Sunny	Sandy	<30	160	280	440	0.64	Sandy	<30	390	640	1,030	0.76	

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No.	Sampling point			Sampling date	Weather	Left bank					Right bank					Remarks		
	Water body	Point	Municipality			Property	Concentration of radioactive material Bq/kg (dry)				Property	Concentration of radioactive material Bq/kg (dry)						
							Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total		Air dose $\mu\text{Sv/h}$	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137	Total	Air dose $\mu\text{Sv/h}$	
76	Abukumagawa River	Takadabashi Bridge		2012/10/18	Cloudy	Loamy	<30	1,800	3,000	4,800	0.57	Loamy	<30	550	890	1,440	1.00	
77				2012/11/14	Sunny	Loamy	<30	1,800	3,200	5,000	1.27	Loamy	<30	1,000	1,800	2,800	0.92	
78	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsu City	2012/10/4	Rain	Sandy	<30	1,100	1,800	2,900	0.47	Loamy	<30	1,200	2,000	3,200	0.40	
79				2012/10/30	Cloudy	Loamy/skeletal	<30	720	1,200	1,920	0.44	Loamy	<30	2,500	4,100	6,600	0.45	
80	Utushigawa River	Osegawabashi Bridge		2012/10/3	Rain	Loamy	<30	2,300	3,800	6,100	0.75	Loamy	<30	1,900	3,300	5,200	0.90	
81				2012/11/13	Cloudy	Loamy	<30	1,100	1,800	2,900	0.70	Sandy	<30	1,100	2,000	3,100	0.91	
82	Megamigawa River	Tsurumakibashi Bridge		2012/10/4	Cloudy	Loamy	<30	4,100	6,800	10,900	1.04	Loamy/skeletal	<30	3,100	5,300	8,400	1.13	
83				2012/11/1	Cloudy	Loamy	<30	3,800	6,500	10,300	1.07	Loamy	<30	2,900	5,000	7,900	1.08	
84	Abukumagawa River	Horaiabashi Bridge		2012/10/4	Cloudy	Loamy	<30	1,700	2,900	4,600	0.81	Loamy/skeletal	<30	1,300	2,300	3,600	0.83	
85				2012/10/18	Cloudy	Loamy	<30	5,400	9,100	14,500	0.91	Loamy	<30	3,300	5,500	8,800	0.89	
86	Nigorigawa River	Before the confluence with Omorigawa River		2012/11/13	Cloudy	Sandy	<30	670	1,200	1,870	0.28	Loamy	<30	4,800	8,400	13,200	0.75	
87				2012/10/3	Cloudy	Loamy	<30	2,300	3,900	6,200	1.05	Loamy	<30	4,400	7,400	11,800	0.97	
88	Arakawa River	Hinokurabashi Bridge		2012/11/2	Cloudy	Loamy	<30	2,200	3,700	5,900	1.08	Sandy	<30	1,400	2,400	3,800	0.98	
89				2012/10/1	Cloudy	Sandy	<30	920	1,600	2,520	0.18	Loamy/leaf mold	<30	1,200	2,100	3,300	0.23	
90	Sukawa River	Sukawabashi Bridge	Fukushima City	2012/10/3	Rain	Loamy	<42	6,300	10,000	16,300	1.42	Loamy	<38	4,500	7,500	12,000	1.47	
91				2012/11/1	Cloudy	Loamy	<33	5,100	8,600	13,700	1.05	Loamy	<42	5,900	9,900	15,800	0.45	
92	Arakawa River	Before the confluence with Abukumagawa River		2012/10/18	Cloudy	Loamy	<30	2,800	4,800	7,600	1.48	Loamy	<30	3,900	6,600	10,500	1.72	
93				2012/11/12	Cloudy	Loamy	<35	4,600	7,900	12,500	1.43	Loamy	<36	6,200	11,000	17,200	2.18	
94	Hattandagawa River	Hattandabashi Bridge		2012/10/18	Cloudy	Loamy	<30	1,700	2,900	4,600	0.61	Loamy	<30	650	1,100	1,750	1.51	
95				2012/11/12	Cloudy	Loamy	<33	5,400	9,500	14,900	2.70	Loamy/sandy	<30	1,700	2,800	4,500	1.39	
96	Surikamigawa River	Totsunabashi Bridge		2012/10/3	Cloudy	Loamy	<30	1,800	2,900	4,700	0.68	Sandy	<30	980	1,600	2,580	0.75	
97				2012/10/31	Cloudy	Loamy	<30	2,900	5,000	7,900	0.67	Sandy	<30	2,000	3,400	5,400	0.76	
98	Before the confluence with Abukumagawa River			2012/9/13	Sunny	Loamy	<30	2,200	3,700	5,900	0.72	Loamy/skeletal	<32	3,200	5,200	8,400	0.77	
99				2012/10/31	Cloudy	Sandy	<30	3,500	5,800	9,300	0.66	Sandy	<30	2,100	3,600	5,700	0.70	
100	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/10/23	Rain	Loamy	<30	2,100	3,700	5,800	1.14	Loamy	<37	5,500	14,000	22,500	1.03	
101				2012/11/12	Cloudy	Loamy	<30	3,100	5,200	8,300	0.68	Loamy/skeletal	<30	2,500	4,400	6,900	0.96	
102	Tatenokoshibashi Bridge		Kawamatamachi Town	2012/10/18	Cloudy	Loamy	<30	73	130	203	0.29	Loamy	<30	2,800	4,800	7,600	1.07	
103				2012/11/13	Sunny	Loamy	<30	55	87	142	0.18	Loamy	<30	1,400	2,400	3,800	0.66	
104	Hirosegawa River	Jizogawarabashi Bridge		2012/10/4	Cloudy	Loamy	<30	1,200	2,000	3,200	0.72	Loamy/sandy	<30	1,500	2,600	4,100	0.74	
105				2012/11/12	Rain	Loamy/sandy	<30	1,200	2,100	3,300	0.66	Loamy	<50	8,900	15,000	23,900	0.57	
106	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/10/3	Rain	Loamy	<30	4,100	6,700	10,800	0.71	Loamy	<30	3,100	5,200	8,300	0.62	
107				2012/10/3	Cloudy	Loamy	<30	1,400	2,400	3,800	0.82	Sandy	<30	2,700	4,600	7,300	0.72	
108	Hirosegawa River	Before the confluence with Abukumagawa River		2012/10/23	Cloudy	Loamy	<30	1,900	3,200	5,100	0.63	Loamy/skeletal	<30	2,700	4,500	7,200	0.75	
109				2012/11/13	Rain	Loamy	<40	4,600	7,600	12,200	0.72	Loamy	<30	1,700	2,900	4,600	0.77	
110	Kurokawa River	Tochigisakai	Shirakawashi City	2012/10/18	Cloudy	Loamy	<30	450	730	1,180	0.76	Loamy	<30	1,900	3,200	5,100	0.60	
111				2012/11/13	Cloudy	Loamy	<30	800	1,400	2,200	0.50	Sandy	<30	1,400	2,400	3,800	0.74	
112	Others	Matsukabashi Bridge	Tanaguramachi Town	2012/11/19	Cloudy, partly rain	Loamy/skeletal	<30	290	500	790	0.17	Loamy/sandy/skeletal	<30	400	730	1,130	0.22	
113				2012/11/19	Rain	Loamy/skeletal	<30	350	590	940	0.13	Loamy/skeletal	<30	63	93	156	0.12	

* 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.

○River (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	A g n o g a n a	Aganogawa River	Tajimabashi Bridge	Minamiaizumachi Town	2012/11/11	Cloudy	0.20	0.0	>100	7	<1	1	<1	<1	<1
99			Okawabashi Bridge		2012/11/1	Sunny	0.30	0.0	>100	9	<1	1	<1	<1	<1
100		Yukawa River	Takimabashi Bridge	Aizuwakamatsu City	2012/10/30	Sunny	0.40	0.0	>100	12	1	1	<1	<1	<1
101			Shinyukawabashi Bridge		2012/11/2	Rain	0.20	0.0	>100	12	4	2	<1	<1	<1
102			Before the confluence with Aganogawa River		2012/11/1	Cloudy	0.20	0.0	>100	95	23	3	<1	<1	<1
103	R i v e r s y s t e m	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/11/1	Sunny	0.85	0.0	>100	13	7	1	<1	<1	<1
104		Aganogawa River	Miyakobashi Bridge		2012/11/1	Sunny	0.80	0.0	>100	3	1	1	<1	<1	<1
105		Nippashigawa River	Minamiohashi Bridge	Kitakatachi City	2012/10/5	Sunny	0.30	0.0	>100	18	2	1	<1	<1	<1
106		Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/10/25	Cloudy	0.20	0.0	>100	20	2	2	<1	<1	<1
107		Kyuminvakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/11/15	Rain	0.30	0.0	>100	19	4	2	<1	<1	<1
108		Tatsukigawa River	Ohashi Bridge		2012/10/31	Cloudy	0.40	0.0	>100	12	<1	1	<1	<1	<1
109			Shimokawarabashi Bridge	Kitakatachi City	2012/10/31	Cloudy	0.30	0.0	>100	20	1	1	<1	<1	<1
110		Nigorigawa River	Nigorigawabashi Bridge		2012/11/19	Sunny	0.20	0.0	>100	17	1	2	<1	<1	<1
111			Yamazakibashi Bridge		2012/10/31	Cloudy	0.50	0.0	>100	18	2	1	<1	<1	<1
112		Inagawa River	Aoyagibashi Bridge	Minamaiizumachi Town	2012/11/12	Cloudy	0.40	0.0	>100	7	<1	1	<1	<1	<1
113	T a k a h a s h i g a w a R i v e r	Kuroswabashi Bridge	Kuroswabashi Bridge	Tadamimachi Town	2012/11/12	Light rain	0.40	0.0	46	71	7	8	<1	<1	<1
114		Nishitamabashi Bridge	Kaneyamamachi Town		2012/10/31	Cloudy	0.20	0.0	61	71	6	5	<1	<1	<1
115		Tadamigawa River	Fujibashi Bridge	Aizubangemachi Town	2012/10/5	Sunny, then rain	0.70	0.0	10	6	14	39	<1	<1	<1
116		Aganogawa River	Shingo Dam	Kitakatachi City	2012/10/31	Cloudy	2.60	0.0	44	10	7	10	<1	<1	<1
117		Sukawa River	Sukawano		2012/10/5	Cloudy	1.00	0.0	>100	71	4	1	<1	<1	<1
118		Nagasegawa River	Koganebashi Bridge	Inawashiromachi Town	2012/10/24	Cloudy	0.50	0.0	>100	96	<1	0	<1	<1	<1
119		Takahashigawa River	Shinbashi Bridge		2012/11/21	Sunny	0.25	0.0	>100	69	2	1	<1	<1	<1
120		Ogurogawa River	Umenohashi Bridge		2012/9/26	Sunny	0.20	0.0	>100	36	3	2	<1	<1	<1
121		Hishinumagawa River	Sekido District		2012/10/25	Sunny	0.40	0.0	71	45	7	6	<1	<1	<1
122		Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	2012/9/26	Sunny	0.20	0.0	>100	28	2	1	<1	<1	<1
123		Haragawa River	Estuary, front	Aizuwakamatsu City	2012/11/20	Rain	0.45	0.0	68	31	12	7	<1	<1	<1
				2012/9/26	Sunny	0.20	0.0	>100	6	1	1	<1	<1	<1	
				2012/10/30	Cloudy	0.60	0.0	>100	17	2	2	<1	<1	<1	
				2012/9/26	Sunny	0.15	0.0	>100	9	<1	1	<1	<1	<1	
				2012/11/20	Rain	0.35	0.0	>100	10	<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, 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	A g a n	Tajimabashi Bridge	Minamiazumachi Town	2012/11/11	Cloudy	0.20	3	90	Gravel/sand	<30	<10	<10	-	
99		Okawabashi Bridge		2012/11/1	Sunny	0.30	2	93	Gravel	<30	<10	<10	-	
100		Takimabashi Bridge	Aizuwakamatsu City	2012/10/30	Sunny	0.40	3	85	Sand	<30	44	79	123	
101		Shinyukawabashi Bridge		2012/11/2	Rain	0.20	2	84	Sand/gravel	<30	150	260	410	
102		Before the confluence with Aganogawa River		2012/11/1	Cloudy	0.20	2	81	Sand	<30	160	280	440	
103		Miyakawa River	Aizubangemachi Town	2012/11/1	Sunny	0.85	3	83	Sand	<30	46	76	122	
104		Saikubashi Bridge		2012/11/1	Sunny	0.80	3	90	Sand	<30	<10	<10	-	
105		Aganogawa River	Miyakobashi Bridge	2012/10/5	Sunny	0.30	3	84	Sand	<30	63	110	173	
106		Nippashigawa River	Minamiohoshi Bridge	2012/10/25	Cloudy	0.20	3	86	Sand	<30	49	83	132	
107		Kyuyukawa River	Awanomiyabashi Bridge	2012/11/19	Sunny	0.20	3	79	Sand	<30	93	170	263	
108	R i v e r	Kyumiykawa River	Josukebashi Bridge	2012/11/15	Rain	0.30	4	77	Silt	<30	160	290	450	
109		Tatsukigawa River	Ohashi Bridge	2012/10/31	Cloudy	0.40	3	86	Gravel/sand	<30	78	120	198	
110		Nigorigawa River	Shimokawabashi Bridge	2012/10/31	Cloudy	0.30	2	85	Gravel/sand	<30	130	240	370	
111		Inagawa River	Nigorigawabashi Bridge	2012/11/19	Sunny	0.20	3	94	Sand	<30	11	13	24	
112		Aoyagibashi Bridge	Yamazakabashi Bridge	2012/10/31	Cloudy	0.50	2	89	Gravel/sand	<30	24	37	61	
113		Kurosawabashi Bridge	Tadamimachi Town	2012/11/12	Light rain	0.40	5	84	Sand	<30	<10	<10	-	
114		Nishitanibashi Bridge	Kaneyamamachi Town	2012/10/31	Cloudy	0.20	2	86	Gravel/sand	<30	<10	<10	-	
115		Tadamigawa River	Fujibashi Bridge	2012/10/5	Sunny, then rain	0.70	5	75	Sand	<30	<10	12	12	
116		Aganogawa River	Shingo Dam	2012/11/15	Rain	0.40	5	60	Silt	<30	76	150	226	
117	S y s t e m	Sukawa River	Sukawano	2012/10/31	Cloudy	2.60	3	71	Gravel/silt	<30	63	120	183	
118		Nagasegawa River	Koganebashi Bridge	2012/10/5	Cloudy	1.00	1	89	Sand	<30	21	37	58	
119		Takahashigawa River	Shinbashi Bridge	2012/10/24	Cloudy	0.50	3	89	Sand	<30	15	24	39	
120		Ogurogawa River	Umenohashi Bridge	2012/11/21	Sunny	0.25	5	79	Sand	<30	83	130	213	
121		Hishinumagawa River	Sekido District	2012/9/26	Sunny	0.20	1	91	Sand	<30	22	37	59	
122		Funatsugawa River	Funatsubashi Bridge	2012/10/25	Sunny	0.40	2	90	Sand	<30	30	48	78	
123		Haragawa River	Estuary, front	Inawashiromachi Town	2012/11/20	Rain	0.25	3	75	Sand	<30	130	210	340
				2012/9/26	Sunny	0.20	2	81	Sand	<30	78	130	208	
				2012/11/5	Sunny	0.40	3	90	Sand	<30	33	56	89	
				2012/9/26	Sunny	0.45	2	81	Sand	<30	150	260	410	
				2012/11/5	Sunny	0.20	3	36	Silt	<30	830	1,500	2,350	
				2012/9/26	Sunny	0.20	6	36	Silt	<30	790	1,300	2,090	
				2012/10/30	Cloudy	0.60	3	82	Sand	<30	25	42	67	
				2012/9/26	Sunny	0.15	4	89	Sand	<30	<10	<10	-	
				2012/11/20	Rain	0.35	5	80	Sand	<30	13	18	31	
				2012/9/26	Sunny	0.20	3	93	Sand	<30	<10	<10	-	
				2012/10/30	Cloudy	0.15	5	84	Sand	<30	18	29	47	

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

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

No.	Sampling point		Municipality	Sampling date	Weather	Left bank					Right bank					Remarks			
	Water body	Point				Property	Concentration of radioactive material Bq/kg (dry)				Property	Concentration of radioactive material Bq/kg (dry)							
							I-131	Cs-134	Cs-137	Total		I-131	Cs-134	Cs-137	Total	Air dose $\mu\text{Sv}/\text{h}$			
98	Aganogawa River	Tajimabashi Bridge	Minamiazumachi Town	2012/11/1	Cloudy	Loamy/skeletal	<30	88	160	248	0.08	Loamy/skeletal	<30	32	62	94	0.08		
99		Okawabashi Bridge		2012/11/1	Sunny	Loamy	<30	95	160	255	0.11	Loamy	<30	350	610	960	0.10		
100		Takimabashi Bridge		2012/10/30	Sunny	Loamy	<30	350	590	940	0.19	Loamy	<30	42	78	119	0.10		
101	Yukawa River	Saitoyabashi Bridge	Aizuwakamatsu City	2012/11/1	Cloudy	Loamy/skeletal	<30	860	1,200	2,060	0.20	Loamy	<30	32	600	940	0.10		
102		Betw the confluence with Aganogawa River		2012/11/1	Cloudy	Loamy/skeletal	<30	700	1,200	1,900	0.24	Loamy	<30	780	1,400	2,190	0.24		
103	Miyakawa River	Sakunabashi Bridge	Aizubangemachi Town	2012/11/1	Sunny	Loamy	<30	1,300	2,200	3,500	0.25	Loamy/skeletal	<30	1,500	2,600	4,100	0.23		
104	Aganogawa River	Miyakobashi Bridge		2012/10/25	Sunny	Loamy	<30	980	1,700	2,680	0.24	Loamy	<30	1,100	1,900	3,000	0.19		
105	Nippashigawa River	Minamiohashi Bridge	Kitakatachi City	2012/10/25	Cloudy	Loamy/skeletal	<30	6,000	10,000	16,000	0.32	Loamy	<30	480	840	1,320	0.29		
106	Kyuyukawa River	Awonimiyabashi Bridge	Yugawamura Village	2012/11/1	Sunny	Loamy/skeletal	<30	1,400	2,500	3,900	0.32	Loamy	<30	940	1,600	2,540	0.27		
107	Kyuyukawa River	Josukebashi Bridge	Aizubangemachi Town	2012/11/15	Rain	Loamy	<30	690	1,200	1,890	0.20	Leaf/mold	<30	700	1,200	1,900	0.22		
108	Tatsukigawa River	Ohashi Bridge		2012/10/31	Cloudy	Loamy	<30	480	830	1,310	0.12	Loamy	<30	220	390	610	0.12		
109		Shimokawaibashi Bridge		2012/10/31	Cloudy	Loamy/skeletal	<30	880	1,500	2,380	0.17	Loamy/skeletal	<30	390	660	1,050	0.18		
110	Nigorigawa River	Nigoriyabashi Bridge	Kitakatachi City	2012/11/19	Sunny	Skeletal	<30	120	210	330	0.20	Loamy	<30	380	650	1,030	0.19		
111		Yamazakibashi Bridge		2012/10/31	Cloudy	Loamy/clayish	<30	700	1,340	2,040	0.18	Loamy	<30	390	660	1,050	0.20		
112	Inagawa River	Aoyagibashi Bridge	Minamiazumachi Town	2012/11/12	Light rain	Loamy/sandy	<30	66	120	186	0.13	Loamy/skeletal	<30	110	200	310	0.13		
113		Kurosawabashi Bridge	Tadamimachi Town	2012/11/12	Light rain	Loamy/sandy	<30	94	170	264	0.10	Loamy/skeletal	<30	21	36	57	0.08		
114	Nishitanabashi Bridge	Kaneyamamachi Town		2012/10/31	Cloudy	Loamy	<30	18	29	47	0.07	Loamy	<30	66	110	176	0.09		
115	Tadamigawa River	Fujibashi Bridge	Aizubangemachi Town	2012/10/5	Sunny, then rain	Sandy	<30	13	21	34	0.08	Loamy/sandy	<30	430	700	1,130	0.25		
116		Shingo Dam	Kitakatachi City	2012/11/15	Rain	Loamy/sandy	<30	170	310	480	0.11	Loamy/sandy	<30	470	750	1,220	0.27		
117	Sukawa River	Sukawano		2012/10/31	Cloudy	Loamy	<30	190	320	510	0.11	Loamy	<30	130	240	370	0.10		
118	Nagasegawa River	Koganebashi Bridge	Inawashironmachi Town	2012/10/5	Cloudy	Leaf/mold	<30	130	220	350	0.16	Loamy	<30	1,100	1,900	3,000	0.22		
119	Takahashigawa River	Shinbashi Bridge		2012/10/24	Cloudy	Sandy	<30	340	580	920	0.13	Loamy/skeletal	<30	520	930	1,450	0.14		
120	Ogurogawa River	Umenohashi Bridge		2012/11/21	Sunny	Loamy	<30	970	1,700	2,670	0.21	Loamy	<30	650	1,100	1,750	0.21		
121	Hishinumagawa River	Sekido District		2012/10/25	Sunny	Loamy	<30	360	610	970	0.10	Loamy/sandy	<30	200	360	560	0.09		
122	Funatsugawa River	Funatsubashi Bridge	Koryiamachi City	2012/10/26	Sunny	Loamy	<30	160	290	450	0.11	Loamy	<30	94	170	264	0.10		
123	Haragawa River	Estuary, front	Aizuwakamatsu City	2012/9/26	Sunny	Loamy	<30	460	760	1,220	0.12	Loamy	<30	100	180	280	0.09		
				2012/10/30	Cloudy	Loamy	<30	390	650	1,040	0.13	Skeletal	<30	140	220	360	0.10		

* 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.

OLake and Headwater: Water Quality Monitoring Results: Water Quality Monitoring Results

No.	Sampling point			Sampling date	Weather	Full depth m	General items				Concentration of radioactive material Bq/L			Remarks	
	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	Radioactive cesium Cs-137	
1	Takei (farm pond)	Shinchinachi Town	Surface layer	2012/10/10	Sunny	4.2	0.5	0.7	51	9	3	<1	<1	<1	
			Lower layer				3.2		51	8	4	<1	<1	<1	
			Surface layer	2012/11/25	Sunny	4.5	0.5	0.7	22	5	8	<1	<1	<1	
			Lower layer				3.5		22	4	7	<1	<1	<1	
2	Uchizawa (farm pond)	Somashi City	Surface layer	2012/9/18	Sunny	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/10/17	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to construction	
			Surface layer	2012/11/25	Cloudy	-	-	-	-	-	-	-	-		
			Surface layer	2012/9/10	Sunny	14.6	0.5	0.5	14	10	6	<1	<1	<1	
3	Matsugabu Dam (Utagawako Lake)	Somashi City	Lower layer				13.6		10	19	9	<1	<1	<1	
			Surface layer				0.5		9	3	2	<1	<1	<1	
			Lower layer				20.8		17	11	10	<1	<1	<1	
			Surface layer	2012/10/15	Sunny	21.8	0.5	0.9	10	8	6	<1	<1	<1	
			Lower layer				25.0		14	10	12	<1	<1	<1	
			Surface layer	2012/9/11	Sunny	46.8	0.5	3.9	7	<1	1	<1	<1	<1	
			Lower layer				45.8		13	11	3	<1	1	2	
			Surface layer				0.5	5.1	7	<1	0	<1	<1	<1	
			Lower layer				52.1		16	32	22	<1	2	3	
4	Mano Dam	Itatemura Village	Surface layer	2012/11/6	Rain	50.8	0.5	3.1	8	<1	1	<1	<1	Evacuation order lifting preparation areas	
			Lower layer				49.8		21	10	8	<1	<1		
			Surface layer	2012/10/16	Sunny	53.1	0.5	5.1	5	5	2	<1	2	2	
			Lower layer				52.1		16	32	22	<1	2	3	
5	Ainosawa (farm pond)	Itatemura Village	Surface layer	2012/10/24	Sunny	0.3	0.0	0.3	5	5	2	<1	2	2	
			Surface layer	2012/11/21	Sunny	0.2	0.0	0.2	4	7	3	<1	<1	<1	
			Surface layer	2012/9/11	Sunny	5.6	0.5	1.7	5	1	1	<1	<1	<1	
			Lower layer				4.6		6	5	2	<1	<1	<1	
6	Ganbe Dam Reservoir	Itatemura Village	Surface layer	2012/10/16	Sunny	4.7	0.5	1.4	6	2	2	<1	<1	Living-restricted areas	
			Lower layer				3.7		6	6	4	<1	<1	1	
			Surface layer	2012/11/6	Rain	9.6	0.5	1.2	7	3	4	<1	<1	1	
			Lower layer				8.6		7	4	5	<1	<1	2	
7	Fugane Dam (farm pond)	Itatemura Village	Surface layer	2012/10/24	Cloudy	0.5	0.0	0.5	6	<1	1	<1	<1	<1	
			Surface layer	2012/11/21	Sunny	0.6	0.0	0.6	6	<1	1	<1	<1	<1	
8	Sasatoge (farm pond)	Itatemura Village	Surface layer	2012/10/24	Sunny	0.4	0.0	0.3	4	2	2	<1	<1	<1	
			Surface layer	2012/11/21	Sunny	0.4	0.0	0.4	4	1	1	<1	<1	<1	
9	Takanokura Dam Reservoir	Minamisomushi City	Surface layer	2012/9/12	Cloudy	15.0	0.5	1.4	6	2	1	<1	<1	<1	
			Lower layer				14.0		11	45	13	<1	2	3	
			Surface layer	2012/10/17	Sunny	10.3	0.5	1.6	6	2	2	<1	<1	<1	
			Lower layer				9.3		15	56	52	<1	2	2	
10	Yokokawa Dam Reservoir	Minamisomushi City	Surface layer	2012/11/7	Sunny	9.1	0.5	0.9	9	4	8	<1	<1	Former evacuation-prepared areas in case of emergency	
			Lower layer				8.1		10	13	17	<1	<1	<1	
			Surface layer	2012/9/12	Sunny	27.5	0.5	3.0	5	<1	0	<1	<1		
			Lower layer				26.5		6	2	1	<1	<1	<1	
11	Tarayachi (farm pond)	Minamisomushi City	Surface layer	2012/10/17	Sunny	5.4	0.5	3.9	6	<1	1	<1	<1	Former evacuation-prepared areas in case of emergency	
			Lower layer				4.4		6	<1	1	<1	<1		
			Surface layer	2012/11/7	Sunny	5.0	0.5	3.5	6	1	1	<1	<1		
			Lower layer				4.0		6	<1	1	<1	<1	<1	
12	Takeshiyachi (farm pond)	Minamisomushi City	Surface layer	2012/9/21	Cloudy, partly rain	-	-	-	-	-	-	-	-	Former evacuation-prepared areas in case of emergency	
			Surface layer	2012/10/23	Rain	-	-	-	-	-	-	-	-		
13	Ryugasaki (farm pond)	Namiemachi Town	Surface layer	2012/10/23	Sunny	0.2	0.0	0.1	6	43	25	<1	<1	New sampling point	
			Surface layer	2012/11/20	Sunny	0.2	0.0	0.2	6	42	65	<1	<1		
14	Uwatashiro (farm pond)	Kawamatamachi Town	Surface layer	2012/10/10	Cloudy	0.4	0.0	0.4	8	7	2	<1	<1	Evacuation order lifting preparation areas	
			Surface layer	2012/11/11	Cloudy	0.5	0.0	0.5	4	3	3	<1	<1		
15	Koakuto (farm pond)	Namiemachi Town	Surface layer	2012/10/25	Sunny	0.5	0.0	0.2	11	18	17	<1	3	5	Deliberate evacuation areas
			Surface layer	2012/11/21	Sunny	0.3	0.0	0.3	11	5	8	<1	2	2	
16	Yosouchi (farm pond)	Itatemura Village	Surface layer	2012/10/24	Sunny	0.5	0.0	0.5	6	2	1	<1	<1	<1	
			Surface layer	2012/11/21	Sunny	0.4	0.0	0.4	5	2	2	<1	<1	<1	
17	Myobusaku No. 2 (farm pond)	Minamisomushi City	Surface layer	2012/9/21	Cloudy	0.3	0.0	0.2	31	8	3	<1	<1	<1	
			Surface layer	2012/10/23	Rain	0.5	0.0	0.5	117	4	2	<1	<1	<1	
			Surface layer	2012/11/20	Sunny	0.3	0.0	0.3	5	1	1	<1	<1	<1	

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No.	Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
	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	Radioactive cesium Cs-137	
18	Ogaki Dam	Surface layer	Naniueachi Town	2012/10/18	Cloudy	0.5	0.0	0.5	5	2	1	<1	<1	<1	Restricted areas
		Surface layer		2012/11/15	Cloudy	0.2	0.0	0.2	6	2	2	<1	<1	<1	
19	Uenokawa (farm pond)	Surface layer	Katsuramura Village	2012/9/20	Light rain	-	-	-	-	-	-	-	-	-	Deliberate evacuation areas
		Surface layer		2012/11/13	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to drought
20	Heigoiri (farm pond)	Surface layer	Katsuramura Village	2012/10/24	Sunny	0.1	0.0	0.1	6	<1	1	<1	<1	<1	Deliberate evacuation areas
		Surface layer		2012/11/22	Cloudy	0.2	0.0	0.2	4	<1	1	<1	<1	1	
21	Mekurasawa No. 2 (farm pond)	Surface layer	Naniueachi Town	2012/10/23	Rain	0.4	0.0	0.2	19	28	22	<1	2	2	
		Surface layer		2012/11/20	Sunny	0.3	0.0	0.2	14	23	20	<1	<1	1	Restricted areas
22	Joroku (farm pond)	Surface layer	Naniueachi Town	2012/10/23	Rain	0.3	0.0	0.3	14	18	16	<1	1	2	
		Surface layer		2012/11/20	Sunny	0.2	0.0	0.2	15	14	12	<1	<1	2	
23	Furumichigawa Power Plant Dam	Surface layer	Tamuraishi City	2012/9/20	Cloudy	6.9	0.5	3.7	7	<1	0	<1	<1	<1	
		Lower layer					5.9		7	1	1	<1	<1	<1	
		Surface layer					0.5		7	<1	1	<1	<1	<1	Evacuation order lifting preparation areas
		Lower layer					6.1		7	1	1	<1	<1	<1	
		Surface layer		2012/11/21	Cloudy	7.7	0.5	4.1	8	<1	0	<1	<1	<1	
		Lower layer					6.7		5	<1	1	<1	<1	<1	
24	Sawairi No. 1 (farm pond)	Surface layer	Futabamachi Town	2012/10/18	Cloudy	0.3	0.0	0.3	19	15	14	<1	2	3	Restricted areas
		Surface layer		2012/11/21	Sunny	0.3	0.0	0.3	23	7	11	<1	1	2	New sampling point
25	Suzunai No. 4 (farm pond)	Surface layer	Okumamachi Town	2012/10/25	Sunny	0.2	0.0	0.1	23	60	61	<1	23	37	Difficult-to-return areas
		Surface layer		2012/11/20	Sunny	0.4	0.0	0.1	26	33	36	<1	16	28	New sampling point
26	Nishihaguro (farm pond)	Surface layer	Futabamachi Town	2012/10/25	Sunny	0.2	0.0	0.2	10	14	14	<1	3	6	Restricted areas
		Surface layer		2012/11/21	Cloudy	0.3	0.0	0.3	14	7	7	<1	2	4	
27	Sakashita Dam	Surface layer	Okumamachi Town	2012/10/18	Cloudy	20.3	0.5	3.1	7	<1	1	<1	<1	<1	
		Lower layer					19.3		7	9	10	<1	<1	<1	
		Surface layer		2012/11/20	Sunny	21.8	0.5	1.6	7	2	2	<1	<1	<1	
		Lower layer					20.8		8	7	6	<1	<1	<1	Living-restricted areas
28	Atamamori 2 (farm pond)	Surface layer		2012/10/25	Sunny	0.5	0.0	0.4	13	11	9	<1	2	3	
		Surface layer		2012/11/21	Sunny	0.4	0.0	0.4	13	4	5	<1	<1	2	
29	Yonomori (farm pond)	Surface layer		2012/9/19	Cloudy, partly rain	1.0	0.0	0.3	11	36	12	<1	3	6	
		Surface layer		2012/11/14	Sunny	0.7	0.0	0.1	11	28	33	<1	2	4	
30	Takikawa Dam	Surface layer	Tomokamachi Town	2012/10/17	Sunny	0.8	0.0	0.8	7	4	1	<1	<1	<1	Restricted areas
		Surface layer		2012/11/14	Sunny	0.6	0.0	0.6	7	<1	1	<1	<1	<1	
31	Takinosawa (farm pond)	Surface layer		2012/9/19	Cloudy	0.5	0.0	0.4	12	6	4	<1	<1	<1	
		Surface layer		2012/11/15	Sunny	0.6	0.0	0.3	15	14	14	<1	<1	<1	
32	Kamisigeoka No. 1 (farm pond)	Surface layer	Narahamachi Town	2012/10/22	Cloudy	0.2	0.0	0.2	10	31	11	<1	1	3	
		Surface layer		2012/11/21	Sunny	0.3	0.0	0.3	8	5	4	<1	2	2	Evacuation order lifting preparation areas
33	Shimoshigeoka (farm pond)	Surface layer		2012/10/22	Cloudy	0.2	0.0	0.2	14	1	1	<1	<1	<1	
		Surface layer		2012/11/20	Sunny	0.3	0.0	0.3	14	3	2	<1	<1	<1	
34	Komachi Dam	Surface layer	Onomachi Town	2012/10/16	Sunny	9.8	0.5	1.1	10	3	4	<1	<1	<1	
		Lower layer					8.8		13	20	25	<1	<1	<1	
		Surface layer		2012/11/20	Cloudy	7.0	0.5	0.5	10	12	14	<1	<1	<1	
		Lower layer					6.0		10	21	19	<1	<1	<1	
35	Kido Dam	Surface layer	Narahamachi Town	2012/10/19	Sunny	6.0	0.5	3.4	5	<1	1	<1	<1	<1	
		Lower layer					5.0		5	<1	1	<1	<1	<1	
		Surface layer		2012/11/16	Cloudy	6.2	0.5	3.2	6	<1	1	<1	<1	<1	Evacuation order lifting preparation areas
		Lower layer					5.2		12	5	2	<1	<1	<1	
36	Otsutsumi (farm pond)	Surface layer		2012/10/22	Cloudy	1.0	0.0	0.5	44	3	3	<1	<1	<1	
		Surface layer		2012/11/20	Sunny	0.9	0.0	0.5	228	3	5	<1	<1	<1	
37	Shinike (farm pond)	Surface layer		2012/10/26	Sunny	0.8	0.0	0.8	15	4	3	<1	<1	<1	
		Surface layer		2012/11/15	Sunny	0.5	0.0	0.5	10	1	2	<1	<1	<1	
38	Kodama Dam Reservoir (Kodamako Lake)	Surface layer	Iwakishi City	2012/9/13	Sunny	53.9	0.5	2.4	7	<1	0	<1	<1	<1	
		Lower layer					52.9		8	4	2	<1	<1	<1	
39	Kanorisutsumishita (farm pond)	Surface layer		2012/10/18	Cloudy, partly rain	53.5	0.5	3.2	8	1	1	<1	<1	<1	
		Lower layer					52.5		9	40	22	<1	<1	<1	
		Surface layer		2012/11/9	Sunny	54.0	0.5	3.0	9	<1	1	<1	<1	<1	
		Lower layer					53.0		10	4	3	<1	<1	<1	
		Surface layer		2012/10/25	Sunny	0.5	0.0	0.5	72	5	5	<1	<1	<1	
		Surface layer		2012/11/19	Cloudy	0.1	0.0	0.1	47	3	3	<1	<1	<1	

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No.	Sampling point		Sampling date	Weather	Full depth m	General items				Concentration of radioactive material Bq/L			Remarks	
	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	
40	H a m r a e d a o r i	Takashiba Dam Reservoir (Takashibako Lake)	Surface layer		2012/9/13	Sunny	21.6	0.5	10	3	<1	<1	<1	
			Lower layer		2012/10/18	Cloudy, partly rain	22.0	20.6	16	25	<1	<1	<1	
			Surface layer		2012/11/8	Sunny	21.1	0.5	11	6	<1	<1	<1	
			Lower layer		2012/11/8	Sunny	20.1	21.0	22	76	<1	<1	<1	
			Surface layer		2012/12/14	Sunny	34.4	0.5	12	1	<1	<1	<1	
			Lower layer		2012/10/19	Sunny	37.2	33.4	14	52	19	<1	<1	
41	A m r a e d a o r i	Shitoki Dam Reservoir	Surface layer		2012/11/8	Sunny	35.8	0.5	7	<1	1	<1	<1	
			Lower layer		2012/11/8	Sunny	34.8	36.2	19	30	25	<1	<1	
			Surface layer		2012/9/13	Sunny	69.0	0.5	8	1	2	<1	<1	
			Lower layer		2012/10/23	Rain	52.8	68.0	13	87	66	<1	<1	
			Surface layer		2012/11/12	Cloudy	2.7	0.5	6	<1	2	<1	<1	
			Lower layer		2012/10/13	Sunny	0.3	0.0	12	<1	0	<1	<1	
42	N a k a d o r i	Surikamigawa Dam Reservoir	Surface layer		2012/10/9	Sunny	0.3	0.0	14	4	3	<1	<1	
			Surface layer		2012/11/13	Sunny	0.2	0.0	14	3	3	<1	<1	
			Surface layer		2012/10/9	Sunny	1.0	0.0	6	6	3	<1	<1	
			Surface layer		2012/10/14	Sunny	0.5	0.5	4	4	4	<1	<1	
			Surface layer		2012/10/16	Sunny	24.6	23.6	15	6	5	<1	<1	
			Lower layer		2012/11/20	Cloudy	24.0	0.5	17	3	4	<1	<1	
43	Handanuma Lake (farm pond)	Korimachi Town	Surface layer		2012/10/9	Sunny	0.3	0.0	16	11	10	<1	<1	
			Surface layer		2012/11/13	Sunny	0.2	0.0	12	4	3	<1	<1	
			Surface layer		2012/10/9	Sunny	1.0	0.0	14	3	3	<1	<1	
			Surface layer		2012/10/14	Sunny	0.5	0.5	4	4	4	<1	<1	
			Surface layer		2012/10/16	Sunny	23.6	23.6	23	100	88	<1	<1	
			Lower layer		2012/11/20	Cloudy	24.0	23.0	16	11	10	<1	<1	
44	Oike Pond (farm pond)	Motomiyashi City	Surface layer		2012/10/9	Sunny	0.5	0.0	12	9	11	<1	<1	
			Surface layer		2012/10/14	Sunny	1.2	0.0	12	1	2	<1	<1	
			Surface layer		2012/10/18	Cloudy	12.1	11.1	19	2	3	<1	<1	
			Surface layer		2012/11/7	Sunny	12.1	0.5	6	2	2	<1	<1	
			Lower layer		2012/10/17	Sunny	1.0	1.1	6	2	2	<1	<1	
			Surface layer		2012/11/16	Sunny	0.5	0.0	17	3	4	<1	<1	
45	Miharu Dam	Miharumachi Town	Surface layer		2012/10/17	Sunny	0.2	0.0	12	4	3	<1	<1	
			Surface layer		2012/11/14	Sunny	0.5	0.0	12	9	11	<1	<1	
			Surface layer		2012/10/18	Cloudy	12.1	0.5	12	1	2	<1	<1	
			Surface layer		2012/11/6	Sunny	14.6	13.6	14	8	9	<1	<1	
			Lower layer		2012/10/17	Cloudy	0.5	0.0	24	150	49	<1	<1	
			Lower layer		2012/11/16	Sunny	0.3	0.0	92	2	3	<1	<1	
46	Hounokusa (farm pond)	Koriyamashi City	Surface layer		2012/10/16	Sunny	0.2	0.0	22	4	3	<1	<1	
			Surface layer		2012/10/14	Sunny	0.5	0.0	14	9	5	<1	<1	
			Surface layer		2012/10/18	Cloudy	1.2	0.0	59	2	2	<1	<1	
			Surface layer		2012/11/5	Sunny	1.4	0.0	54	3	3	<1	<1	
			Lower layer		2012/10/18	Cloudy	31.5	0.5	6	<1	0	<1	<1	
			Lower layer		2012/11/22	Cloudy	30.3	30.5	10	5	3	<1	<1	
47	Hutoriko Lake	Tencimura Village	Surface layer		2012/10/17	Sunny	16.2	0.5	7	<1	1	<1	<1	
			Surface layer		2012/11/6	Rain	14.6	0.5	13	9	5	<1	<1	
			Lower layer		2012/10/17	Sunny	0.5	0.0	14	8	9	<1	<1	
			Lower layer		2012/11/16	Sunny	0.2	0.0	22	4	3	<1	<1	
			Surface layer		2012/10/15	Sunny	0.7	0.0	32	5	6	<1	<1	
			Lower layer		2012/10/16	Sunny	1.2	0.0	59	2	2	<1	<1	
48	Hirodaira (farm pond)	Sukagawashi City	Surface layer		2012/10/17	Sunny	0.5	0.0	24	150	49	<1	<1	
			Surface layer		2012/11/16	Sunny	0.5	0.0	25	6	4	<1	<1	
			Surface layer		2012/10/17	Sunny	0.5	0.0	17	4	4	<1	<1	
			Lower layer		2012/11/6	Rain	16.2	0.5	30	9	8	<1	<1	
			Lower layer		2012/10/17	Sunny	0.5	0.0	13	9	5	<1	<1	
			Lower layer		2012/11/16	Sunny	0.7	0.0	32	5	6	<1	<1	
49	Sengosawa Dam Reservoir	Ishikawamachi Town	Surface layer		2012/10/17	Sunny	0.5	0.0	14	8	9	<1	<1	
			Surface layer		2012/11/6	Rain	14.6	0.5	14	8	9	<1	<1	
			Lower layer		2012/10/17	Sunny	0.5	0.0	24	150	49	<1	<1	
			Lower layer		2012/11/16	Sunny	0.2	0.0	92	2	3	<1	<1	
			Surface layer		2012/10/15	Sunny	0.2	0.0	22	4	3	<1	<1	
			Surface layer		2012/11/16	Sunny	0.7	0.0	32	5	6	<1	<1	
50	Watariki Pond (farm pond)	Yabukimachi Town	Surface layer		2012/10/17	Sunny	0.5	0.0	12	9	5	<1	<1	
			Surface layer		2012/11/16	Sunny	0.3	0.0	92	2	3	<1	<1	
			Surface layer		2012/10/15	Sunny	0.2	0.0	22	4	3	<1	<1	
			Surface layer		2012/11/16	Sunny	0.7	0.0	32	5	6	<1	<1	
			Lower layer		2012/10/16	Sunny	1.2	0.0	59	2	2	<1	<1	
			Lower layer		2012/11/15	Sunny	1.4	0.0	54	3	3	<1	<1	
51	Izumikawa (farm pond)	Shirakawashi City	Surface layer		2012/10/17	Sunny	0.5	0.0	30	3	2	<1	<1	
			Surface layer		2012/11/16	Sunny	0.3	0.0	112	140	83	<1	<1	
			Surface layer		2012/10/15	Sunny	0.2	0.0	21	7	5	<1	<1	
			Surface layer		2012/11/16	Sunny	0.7	0.0	63	17	13	<1	<1	
			Surface layer		2012/10/18	Rain	27.9	0.5	25	3	4	<1	<1	
			Lower layer		2012/11/8	Rain	26.9	0.5	94	30	69	<1	<1	
52	Hokkawa Dam	Nishigomura Village	Surface layer		2012/10/11	Sunny	28.8	0.5	21	7	5	<1	<1	
			Surface layer		2012/11/22	Cloudy	30.3	27.8	7	<1	1	<1	<1	
			Surface layer		2012/10/17	Sunny	0.5	0.0	6	5	3	<1	<1	
			Lower layer		2012/10/16	Sunny	1.2	0.0	59	2	2	<1	<1	
			Lower layer		2012/11/15	Sunny	1.4	0.0	54	3	3	<1	<1	
			Lower layer		2012/10/18	Cloudy	31.5	0.5	30	3	2	<1	<1	
53	Nanko Lake	Shirakawashi City	Surface layer		2012/10/11	Sunny	24.3	0.5	112	140	83	<1	<1	
			Surface layer		2012/11/21	Snow	6.6	0.5	4	1	1	<1	<1	
			Surface layer		2012/10/24	Sunny	6.7	0.5	4	53	10	<1	<1	

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No.	Sampling point			Sampling date	Weather	Full depth m	General items				Concentration of radioactive material Bq/L			Remarks				
	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-134	<1	Cs-134	<1				
56	Hibarako Lake	Kitaobamurama Village	Surface layer	2012/10/3	Cloudy	22.2	0.5	3.3	6	<1	0	<1	<1	<1				
			Lower layer				21.2		6	27	10	<1	<1	<1				
			Surface layer				0.5	2.9	8	1	1	<1	<1	<1				
			Lower layer				19.7		7	18	10	<1	<1	<1				
			Surface layer				0.5	2.9	7	2	2	<1	<1	<1				
57	Onogawako Lake	Kitaobamurama Village	Lower layer				21.9		7	2	2	<1	<1	<1				
			Surface layer	2012/10/5	Cloudy	12.6	0.5	3.4	8	<1	0	<1	<1	<1				
			Lower layer				11.6		8	98	22	<1	<1	1				
			Surface layer	2012/10/22	Sunny	11.3	0.5	2.5	12	1	1	<1	<1	<1				
			Lower layer				10.3		10	2	2	<1	<1	<1				
58	Akimoto Lake	Inawashio machi Town	Surface layer	2012/10/20	Sleet	14.9	0.5	3.0	7	2	2	<1	<1	<1				
			Lower layer				13.9		7	6	3	<1	<1	<1				
			Surface layer	2012/10/5	Sunny	31.0	0.5	2.2	6	<1	0	<1	<1	<1				
			Lower layer				30.0		3	1	1	<1	<1	<1				
			Surface layer	2012/10/24	Sunny	15.3	0.5	3.5	7	5	2	<1	<1	<1				
59	Bishamonnuma Lake	Kitaobamurama Village	Lower layer				14.3		6	2	2	<1	<1	<1				
			Surface layer	2012/10/4	Cloudy	7.7	0.5	6.1	1	<1	1	<1	<1	<1				
			Lower layer				6.7		1	46	9	<1	<1	<1				
			Surface layer	2012/10/24	Cloudy	7.3	0.5	4.1	74	<1	1	<1	<1	<1				
			Lower layer				6.3		74	<1	1	<1	<1	<1				
60	Oguninuma Lake	Kitaobamurama Village	Surface layer	2012/10/21	Sunny	6.5	0.5	6.1	74	<1	1	<1	<1	<1				
			Lower layer				5.5		75	6	2	<1	<1	<1				
			Surface layer	2012/10/4	Cloudy	2.3	0.5	0.8	3	10	6	<1	<1	<1				
			Lower layer				1.3		2	25	8	<1	<1	<1				
			Surface layer	2012/10/24	Sunny	3.1	0.5	0.4	5	10	8	<1	<1	<1				
61	Onuma Lake (farm pond)	Nishizumichi Town	Lower layer	2012/10/21	Sunny	4.4	0.5	1.3	3	2	2	<1	<1	<1				
			Surface layer	2012/10/11	Sunny	0.5	0.0	0.3	12	<1	1	<1	<1	<1				
			Surface layer	2012/10/16	Sunny	0.4	0.0	0.4	8	5	9	<1	<1	<1				
			Lower layer				0.4		12	<1	1	<1	<1	<1				
			Surface layer	2012/10/26	Sunny	94.0	0.5	14.2	12	<1	<0.1	<1	<1	<1				
62	Center of the lake	Aizuakamatsu City	Lower layer				93.0		12	<1	0	<1	<1	<1				
			Surface layer	2012/10/25	Cloudy	94.0	0.5	10.8	13	<1	1	<1	<1	<1				
			Lower layer				93.0		13	<1	0	<1	<1	<1				
			Surface layer	2012/11/19	Cloudy	93.6	0.5	12.8	13	<1	0	<1	<1	<1				
			Lower layer				92.6		13	<1	0	<1	<1	<1				
63	Takahashigawa River Estuary		Surface layer	2012/09/25	Cloudy	0.8	0.0	0.8	23	<1	0	<1	<1	<1				
			Surface layer	2012/09/25	Sunny	0.9	0.0	0.9	13	<1	0	<1	<1	<1	New sampling point			
			Surface layer	2012/10/19	Sunny	1.4	0.0	1.4	24	<1	1	<1	<1	<1				
			Surface layer	2012/09/25	Cloudy	0.4	0.0	0.4	16	<1	0	<1	<1	<1	New sampling point			
			Surface layer	2012/10/25	Sunny	0.5	0.0	0.5	14	<1	0	<1	<1	<1				
64	Ogurogawa River Estuary		Surface layer	2012/10/19	Sunny	0.5	0.0	0.5	13	<1	0	<1	<1	<1	New sampling point			
			Surface layer	2012/10/25	Cloudy	1.2	0.0	1.2	13	<1	0	<1	<1	<1	New sampling point			
			Surface layer	2012/10/25	Sunny	1.3	0.0	1.3	13	<1	1	<1	<1	<1	New sampling point			
			Surface layer	2012/11/19	Sunny	1.4	0.0	1.4	13	<1	1	<1	<1	<1				
			Surface layer	2012/09/25	Cloudy	0.8	0.0	0.8	12	<1	0	<1	<1	<1	New sampling point			
65	Tenjinhamana Beach	Inawashio machi Town	Surface layer	2012/10/25	Sunny	1.3	0.0	1.3	12	<1	0	<1	<1	<1				
			Surface layer	2012/10/19	Sunny	1.2	0.0	1.2	13	<1	0	<1	<1	<1	New sampling point			
			Surface layer	2012/09/25	Cloudy	3.5	0.5	3.5	12	<1	0	<1	<1	<1				
			Lower layer				2.5		13	<1	0	<1	<1	<1				
			Surface layer	2012/10/25	Sunny	3.7	0.5	3.7	16	<1	0	<1	<1	<1	New sampling point			
66	Hishinumagawa River Estuary		Lower layer				2.7		13	<1	0	<1	<1	<1				
			Surface layer	2012/10/19	Sunny	3.2	0.5	3.2	13	<1	0	<1	<1	<1				
			Surface layer	2012/09/25	Cloudy	3.9	0.5	3.9	15	<1	0	<1	<1	<1				
			Lower layer				2.9		15	<1	0	<1	<1	<1				
			Surface layer	2012/10/23	Rain	3.1	0.5	3.1	14	<1	0	<1	<1	<1				
67	Intake of Asakasosui		Lower layer				2.1		15	<1	0	<1	<1	<1	New sampling point			
			Surface layer	2012/10/19	Sunny	3.2	0.5	3.2	13	<1	0	<1	<1	<1				
			Lower layer				2.2		13	<1	0	<1	<1	<1				
			Surface layer	2012/09/25	Cloudy	3.9	0.5	3.9	15	<1	0	<1	<1	<1				
			Lower layer				2.9		15	<1	0	<1	<1	<1				
68	Hamajihama Beach	Koriyamashi City	Surface layer	2012/10/23	Rain	3.1	0.5	3.1	15	<1	0	<1	<1	<1				
			Lower layer				2.1		15	<1	0	<1	<1	<1				
			Surface layer	2012/11/19	Sunny	4.8	0.5	4.8	13	<1	0	<1	<1	<1	New sampling point			
			Lower layer				3.8		13	<1	0	<1	<1	<1				

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No.	Sampling point			Sampling date	Weather	Full depth m	General items				Concentration of radioactive material Bq/L			Remarks
	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	Radioactive cesium Cs-137
69	I n a s s h i r o k o	Funatsu Port Offshore of Funatsugawa River Estuary Seishogahama Beach Haragawa River Estuary Koishigahama Floodgate Higashiyama Dam Reservoir	Koriyamashi City Aizuwakamatsu City Aizuwakamatsu City Aizuwakamatsu City Aizuwakamatsu City Aizuwakamatsu City	2012/9/25	Cloudy	5.1	0.5 4.1	5.1 12	<1 <1	0 0	<1 <1	<1 <1	<1 <1	
70				2012/10/23	Rain	5.0	0.5 4.0	5.0 14	<1 <1	0 0	<1 <1	<1 <1	<1 <1	New sampling point
71				2012/11/19	Sunny	5.6	0.5 4.6	5.6 15	<1 <1	0 0	<1 <1	<1 <1	<1 <1	
72				2012/9/25	Cloudy	1.4	0.1 0.0	1.4 13	<1 <1	0 0	<1 <1	<1 <1	<1 <1	
73				2012/10/23	Rain	1.4	0.5 0.3	1.4 11	<1 <1	0 0	<1 <1	<1 <1	<1 <1	New sampling point
74				2012/11/19	Sunny	2.4	0.5 1.4	2.4 12	<1 <1	0 0	<1 <1	<1 <1	<1 <1	
75	A i z u	Numazawako Lake Terairi (farm pond) Okawa Dam Reservoir Tagokura Reservoir	Kaneyamamachi Town Aizuwakamatsu City Aizuwakamatsu City Tadamimachi Town	2012/9/25	Cloudy	5.3	0.5 4.3	5.3 12	<1 <1	0 0	<1 <1	<1 <1	<1 <1	
76				2012/10/25	Sunny	6.3	0.5 5.3	6.0 13	<1 <1	0 0	<1 <1	<1 <1	<1 <1	
77				2012/11/19	Sunny	5.7	0.5 4.7	5.7 13	<1 <1	0 0	<1 <1	<1 <1	<1 <1	
78				2012/10/25	Sunny	17.5	0.5 16.5	10.7 12	<1 <1	0 0	<1 <1	<1 <1	<1 <1	
79	Fukui (farm pond) Tajima Dam Reservoir (Funchanako Lake)	Minamiazumachimachi Town Minamiazumachimachi Town	Tadamimachi Town	2012/10/26	Cloudy, partly rain	24.7	0.5 23.7	2.2 7	<1 <1	0 4	<1 <1	<1 <1	<1 <1	
80				2012/11/13	Sunny	91.8	0.5 90.8	9.0 10	<1 <1	1 1	<1 <1	<1 <1	<1 <1	
81				2012/10/24	Cloudy	0.4	0.0	0.4 8	<1 2	3 3	<1 <1	<1 <1	<1 <1	
82				2012/11/15	Sunny	6.1	0.5 0.5	3.1 9	<1 <1	2 1	<1 1	<1 <1	<1 <1	
				2012/11/15	Cloudy	6.2	0.5 5.2	2.3 9	<1 100	33 33	<1 <1	<1 <1	<1 <1	Unable to collect samples due to low water level
				2012/10/23	Rain	-	-	-	-	-	-	-	-	
				2012/11/12	Cloudy	14.2	0.5 13.2	1.8 4	3 2	3 3	<1 <1	<1 <1	<1 <1	
				2012/10/23	Rain	0.2	0.0	0.1 2	31	34	<1	<1	<1	
				2012/11/12	Rain	0.5	0.0	0.5 4	2 3	2 3	<1 <1	<1 <1	<1 <1	
				2012/10/24	Cloudy	9.1	0.5 0.5	3.1 5	6 6	3 3	<1 <1	<1 <1	<1 <1	
				2012/11/14	Sunny	11.2	0.5 10.2	3.3 4	1 1	1 1	<1 <1	<1 <1	<1 <1	
				2012/10/23	Rain	13.3	0.5 12.3	4.3 5	2 2	1 1	<1 <1	<1 <1	<1 <1	
				2012/11/13	Sunny	0.8	0.0 4	0.8 -1	0	0	<1	<1	<1	
				2012/9/27	Sunny	7.2	0.5 6.2	3.5 4	<1	1 1	<1 <1	<1 <1	<1 <1	
				2012/10/9	Sunny	7.3	0.5 6.3	2.8 4	3	1	<1	<1	<1	

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 $\mu\text{sV/h}$		
1	Takei (farm pond)	Shinchimachi Town	2012/10/10	Sunny	4.2	5	45	Silt	<30	580	1,000	1,580	Loamy	<30	950	1,600	2,550	0.33	Unable to collect samples due to construction	
			2012/11/25	Sunny	4.5	5	42	Silt	<30	1,600	2,800	4,400	Loamy	<30	610	1,000	1,610	0.34		
2	Uchizawa (farm pond)	Somashi City	2012/9/18	Sunny	-	-	-	-	-	-	-	-	Loamy	<30	970	1,600	2,570	0.14	Unable to collect samples due to construction	
			2012/11/25	Cloudy	-	-	-	-	-	-	-	-	Loamy	<30	680	1,200	1,880	0.18		
3	Matsugabo Dam (Utagawako Lake)		2012/10/17	Sunny	-	-	-	-	-	-	-	-	Loamy	<30	610	1,000	1,610	0.23	Evacuation order lifting preparation areas	
			2012/9/10	Sunny	14.6	5	43	Silt	<34	3,000	4,800	7,800	Loamy	<30	1,400	2,400	3,800	0.74		
4	Mano Dam		2012/10/6	Sunny	2.8	1	42	Silt	<31	2,600	2,600	5,200	Sandy	<30	1,100	1,600	2,700	0.74	Evacuation order lifting preparation areas	
			2012/11/5	Cloudy	26.0	6	45	Silt	<54	8,400	15,000	23,400	Loamy	<30	2,500	4,300	6,800	0.71		
5	Anosawa (farm pond)		2012/9/11	Sunny	46.8	5	41	Silt	<45	5,500	8,900	14,400	Loamy	<30	2,800	4,300	7,100	1.25	Evacuation order lifting preparation areas	
			2012/11/6	Rain	50.8	15	41	Silt	<30	14	28	42	Loamy	<30	3,400	5,800	9,200	1.30		
6	Ganbe Dam Reservoir	Iitatemura Village	2012/10/24	Sunny	0.3	2	48	Silt	<110	38,000	65,000	103,000	Loamy	<38	7,900	13,000	20,900	4.12	Living-restricted areas	
			2012/11/21	Sunny	0.2	5	65	Silt	<30	2,900	5,200	8,100	Loamy	<53	9,100	15,000	24,100	3.94		
7	Fugane Dam (farm pond)		2012/9/16	Sunny	4.1	1	52	Silt	<16	4,600	7,000	12,600	Loamy	<30	10,000	10,000	21,000	2.80	Former evacuation-prepared areas in case of emergency	
			2012/10/24	Cloudy	0.5	5	49	Silt	<46	7,500	13,000	20,500	Loamy	<30	5,200	8,800	14,000	3.69		
8	Sasatoge (farm pond)		2012/10/24	Sunny	0.4	3	58	Silt	<30	1,500	2,500	4,000	Loamy	<70	20,000	33,000	53,000	3.51	Former evacuation-prepared areas in case of emergency	
			2012/11/21	Sunny	0.4	2	55	Sand/silt	<30	1,100	1,800	2,900	Loamy	<52	13,000	22,000	35,000	3.65		
9	Takasokura Dam Reservoir		2012/9/12	Cloudy	15.0	5	42	Silt	<31	7,100	12,000	19,100	Loamy	<42	11,000	18,000	29,000	2.40	Former evacuation-prepared areas in case of emergency	
			2012/10/20	Sunny	10.3	10	48	Silt	<7	13,000	22,000	35,000	Loamy	<30	3,600	6,000	9,600	2.40		
10	Yokokawa Dam Reservoir		2012/10/7	Sunny	5.1	1	38	Silt	<68	3,000	5,000	8,000	Sandy	<30	3,500	6,000	10,500	3.52	Former evacuation-prepared areas in case of emergency	
			2012/9/12	Sunny	27.5	5	83	Sand/silt	<30	5,300	8,900	14,200	Loamy/sandy	<30	4,100	7,700	10,800	2.07		
11	Tarayachi (farm pond)	Minamisomashi City	2012/10/7	Sunny	5.4	5	40	Silt	<130	47,000	78,000	125,000	Loamy	<30	2,300	3,700	6,000	2.18	Former evacuation-prepared areas in case of emergency	
			2012/11/7	Sunny	5.0	4	73	Silt	<54	19,000	34,000	53,000	Loamy	<30	3,600	6,100	9,700	2.32		
12	Takeshiyachi (farm pond)		2012/10/23	Rain	0.5	5	67	Silt	<30	2,600	4,600	7,200	Loamy	<30	4,800	8,000	12,800	1.62	Former evacuation-prepared areas in case of emergency	
			2012/11/20	Sunny	-	-	-	-	-	-	-	-	Loamy	<30	2,500	4,400	6,900	1.29		
13	Riyugasaki (farm pond)		2012/10/10	Sunny	0.2	3	72	Silt	<30	440	740	1,180	Loamy	<30	760	1,300	2,069	0.37	Evacuation order lifting preparation areas	
			2012/10/10	Sunny	0.2	3	76	Silt	<30	4,500	8,500	13,000	Loamy	<30	2,200	4,000	6,800	0.90		
14	Uwatsuhiro (farm pond)	Kawamatamachi Town	2012/10/10	Cloudy	0.4	3	76	Sand	<30	390	600	1,080	Sandy	<30	1,700	2,100	3,300	1.02	Evacuation order lifting preparation areas	
			2012/11/20	Cloudy	0.5	4	56	Silt	<42	6,400	11,000	17,400	Sandy	<30	1,700	2,100	3,300	1.02		
15	Koakuto (farm pond)	Namiemachi Town	2012/10/10	Sunny	0.5	3	74	Sand/gravel/mud	<30	1,900	3,200	5,100	Loamy	<30	6,500	11,000	17,500	1.33	Deliberate evacuation areas	
			2012/10/25	Sunny	0.5	3	64	Mud	<32	4,800	8,200	13,000	Leaf mold	<160	45,000	75,000	120,000	8.82		
16	Yosouchi (farm pond)	Iitatemura Village	2012/10/24	Sunny	0.5	3	75	Sand	<48	12,000	20,000	32,000	Leaf mold	<140	41,000	71,000	112,000	9.40	Evacuation order lifting preparation areas	
			2012/11/21	Sunny	0.5	2	63	Sand	<54	16,000	28,000	44,000	Sandy	<30	5,300	8,900	14,200	2.94		
17	Myobusaku No. 2 (farm pond)	Minamisomashi City	2012/9/21	Cloudy	0.2	3	74	Sand	<30	1,500	1,700	3,200	Sandy	<30	5,800	11,000	17,800	3.00	Evacuation order lifting preparation areas	
			2012/10/23	Rain	0.5	3	68	Clay	<30	300	530	830	Loamy	<30	900	1,600	2,500	0.60		
18	Ogaki Dam	Namiemachi Town	2012/11/20	Sunny	0.3	3	74	Sand/silt	<30	1,800	3,300	5,100	Loamy	<30	630	1,100	1,730	0.43	Restricted areas	
			2012/10/18	Cloudy	0.5	5	81	Sand	<53	19,000	32,000	51,000	Loamy	<63	20,000	34,000	54,000	15.95		
19	Uenokawa (farm pond)	Katsurao-mura Village	2012/11/1	Sunny	-	-	-	-	-	-	-	-	Loamy	<30	3,700	6,100	9,800	1.36	Deliberate evacuation areas	
			2012/11/21	Sunny	0.1	2	27	Mad	<130	21,000	35,000	56,000	Sandy/skeletal	<30	3,300	5,500	8,800	1.23		
20	Heigori (farm pond)		2012/11/23	Cloudy	0.2	3	58	Sand	<51	12,000	23,000	34,000	Loamy	<49	6,400	11,000	17,400	3.18	Deliberate evacuation areas	
			2012/10/23	Rain	0.4	2	87	Sand	<30	4,100	7,300	11,400	Loamy	<42	12,000	23,000	35,000	4.34		
21	Mekurasawa No. 2 (farm pond)	Namiemachi Town	2012/11/20	Sunny	0.3	3	86	Gravel/sand	<30	2,800	5,100	7,900	Loamy	<39	8,800	16,000	24,800	4.42	Restricted areas	
			2012/10/23	Rain	0.3	1	72	Sand	<50	14,000	26,000	40,000	Loamy	<72	25,000	47,000	72,000	5.68		
22	Joroka (farm pond)		2012/11/20	Sunny	0.2	2	63	Sand/silt	<40	7,800	16,000	23,800	Loamy	<82	22,000	42,000	64,000	5.47	Evacuation order lifting preparation areas	
			2012/9/20	Cloudy	6.9	6	54	Sand/silt	<30	580	1,000	1,580	Sandy/skeletal	<30	750	1,300	2,050	0.51		
23	Furumichigawa Power Plant Dam	Tamuraishi City	2012/11/21	Sunny	10	37	54	Silt	<48	6,900	11,000	17,900	Sandy/skeletal	<30	2,600	4,400	7,000	0.52	Evacuation order lifting preparation areas	
			2012/11/21	Cloudy	7.7	20	43	Silt	<47	3,500	6,000	9,500	Sandy/skeletal	<30	1,800	2,200	4,000	0.54		
24	Sawai No. 1 (farm pond)	Futabamachi Town	2012/10/18	Cloudy	0.3	2	46	Mad	<300	290,000	490,000	780,000	Loamy	<130	73,000	120,000	193,000	27.20	Restricted areas	
			2012/11/21	Sunny	0.3	5	43	Silt	<260	170,000	280,000	450,000	Loamy/clayish	<130	64,000	110,000	174,000	40.00		
25	Suzunai No. 4 (farm pond)	Okunamachi Town	2012/10/25	Sunny	0.2	3	62	Silt	<87	34,000	57,000	91,000	Loamy	<370	400,000	650,000	1,050,000	49.60	Difficult-to-return areas	
			2012/11/20	Sunny	0.4	3	75	Silt	<61	22,000	37,000	59,000								

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 $\mu\text{Sv/h}$		
26	Nishihaguro (farm pond)	Futabamachi Town	2012/10/25	Sunny	0.2	3	70	Sand	<30	16,000	27,000	43,000	Loamy	<61	21,000	36,000	57,000	7.32	Restricted areas	
27	Sakashita Dam		2012/10/21	Cloudy	0.3	3	73	Silt	<30	1,900	3,300	5,200	Loamy/sandy	<87	31,000	53,000	84,000	7.03		
28	Atamamori 2 (farm pond)		2012/10/18	Cloudy	20.3	7	44	Silt	<52	7,600	13,000	20,600	Loamy	<30	500	870	1,370	0.83		
29	H Yonomori (farm pond)		2012/10/20	Sunny	21.8	5	42	Silt	<53	7,700	13,000	20,700	Loamy	<30	2,000	3,400	5,400	1.63	Living-restricted areas	
30	Takikawa Dam		2012/10/23	Sunny	0.5	2	79	Gravel	<30	2,300	4,000	6,300	Loamy	<82	28,000	47,000	75,000	4.26		
31	Takinosawa (farm pond)		2012/10/21	Sunny	0.4	3	78	Sand	<30	2,100	3,600	5,700	Loamy/clayish	<45	10,000	17,000	27,000	3.90		
32	Kamisigooka No. 1 (farm pond)		2012/10/22	Cloudy	0.2	3	78	Gravel/sand	<31	5,500	9,300	14,800	Loamy	<52	14,000	24,000	38,000	6.75		
33	Shimoshigooka (farm pond)		2012/10/23	Sunny	0.2	3	66	Clay	<30	5,000	2,000	4,200	Loamy	<53	5,500	10,000	15,500	7.75	Evacuation order lifting preparation areas	
34	Komachi Dam		2012/10/16	Sunny	9.8	7	43	Silt	<33	2,800	4,700	7,500	Loamy	<30	2,000	4,500	6,500	5.85		
35	Kado Dam		2012/10/19	Sunny	6.0	5	40	Silt	<35	3,000	5,200	8,200	Loamy/sandy	<49	13,000	23,000	36,000	3.75		
36	Otsusumi (farm pond)	Narahamachi Town	2012/10/16	Cloudy	6.2	5	36	Silt	<30	790	1,500	2,200	Loamy	<52	13,000	21,000	34,000	1.70		
37	Shinike (farm pond)		2012/10/26	Sunny	0.5	3	55	Silt	<30	4,800	8,400	13,200	Loamy/clayish	<32	4,500	7,800	12,300	1.36		
38	Kodama Dam Reservoir (Kodamako Lake)		2012/10/15	Sunny	53.9	5	40	Silt	<30	1,200	2,000	3,200	Loamy	<30	5,500	10,000	15,500	7.75		
39	Kanoritsumishita (farm pond)		2012/10/23	Sunny	54.0	20	41	Silt	<30	330	630	960	Loamy	<30	190	320	510	0.20		
40	Takahashi Dam Reservoir (Takahashiko Lake)		2012/10/25	Sunny	0.5	3	47	Sand/clay	<30	1,400	2,200	3,600	Loamy	<30	580	960	1,540	0.23		
41	Shitoki Dam Reservoir		2012/10/19	Cloudy	0.1	3	35	Silt	<31	1,800	3,200	5,000	Loamy	<30	200	330	530	0.21		
42	Surikamigawa Dam Reservoir		2012/10/15	Sunny	21.6	5	51	Silt	<30	400	600	1,070	Loamy	<30	600	1,100	1,700	0.21		
43	Handamuma Lake (farm pond)	Iwaki City	2012/10/18	Cloudy, partly rain	22.0	4	53	Silt	<30	280	510	790	Loamy/skeletal	<67	10,000	17,000	27,000	0.23		
44	Osaki Pond (farm pond)		2012/10/23	Sunny	0.2	3	58	Sand	<31	3,200	5,500	8,700	Loamy	<30	480	800	1,200	0.25		
45	Miharu Dam		2012/10/16	Sunny	24.6	10	54	Silt	<30	2,500	4,300	6,800	Loamy	<30	700	1,100	1,800	0.26		
46	Hounokusa (farm pond)		2012/10/21	Cloudy	24.0	20	55	Silt	<30	1,100	2,000	3,100	Loamy	<30	620	1,100	1,720	0.25		
47	Hatoriko Lake		2012/10/14	Sunny	0.2	3	64	Silt	<30	1,400	2,300	3,700	Loamy	<30	3,200	5,400	8,600	0.56	Unable to collect samples due to increased water level	
48	Hirodaira (farm pond)		2012/10/17	Sunny	1.0	5	67	Silt	<30	1,700	2,800	4,500	Loamy	<30	2,500	4,200	6,700	1.23		
49	Sengosawa Dam Reservoir		2012/10/14	Sunny	0.5	3	89	Sand	<30	770	1,300	2,070	Sandy	<30	660	1,100	1,760	1.21		
50	Watarike Pond (farm pond)		2012/10/16	Rain	14.6	10	51	Mud	<30	1,000	1,600	2,600	Loamy/skeletal	<30	890	1,500	2,390	0.19		
51	Izumikawa (farm pond)		2012/10/16	Cloudy	0.3	5	64	Silt	<30	600	1,000	1,600	Loamy/sandy	<30	560	960	1,520	0.21		
52	Hokkawa Dam		2012/10/16	Sunny	0.7	3	68	Silt	<30	260	450	710	Loamy/skeletal	<30	4,300	7,600	11,900	0.53		
53	Nanko Lake	Shinkawashii City	2012/10/16	Sunny	1.2	5	28	Silt	<30	290	530	820	Loamy	<30	1,600	2,600	4,200	0.49		
			2012/11/5	Sunny	1.4	10	24	Silt	<44	2,700	4,400	7,100	Loamy	<30	1,000	1,700	2,700	0.53		

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 $\mu\text{sV/h}$		
54	Niechu Dam	Kitakata City	2012/9/13	Sunny	25.3	10	52	Sludge	<30	350	620	970	Loamy	<30	160	260	420	0.13		
			2012/10/11	Sunny	28.8	5	51	Silt	<30	440	750	1,190	Loamy	<30	160	270	430	0.14		
			2012/10/13	Rain	27.9	15	97	Silt	<30	820	1,480	2,220	Skeletal	<30	24	420	516	0.15		
			2012/10/13	Cloudy	27.4	3	47	Silt	<30	100	150	250	Loamy	<30	2,430	4,600	7,300	0.17		
55	Soharako Lake	Kitashioharamura Village	2012/10/24	Sunny	6.7	12	38	Silt	<30	780	1,480	2,180	Loamy	<30	1,300	2,200	3,500	0.22		
			2012/11/21	Snow	3.6	5	47	Silt	<30	180	410	590	Skeletal	<30	210	350	560	0.12		
			2012/10/3	Cloudy	22.2	5	45	Silt	<30	500	920	1,420	Loamy/sandy	<30	350	570	920	0.16		
56	Hibarako Lake	Kitashioharamura Village	2012/10/26	Sunny	20.7	5	39	Silt	<30	380	680	1,060	Sandy	<30	120	190	310	0.16		
			2012/11/21	Cloudy	22.9	15	34	Silt	<30	460	790	1,250	Sandy	<30	710	1,200	1,910	0.17		
57	Onogawako Lake	Kitashioharamura Village	2012/10/5	Cloudy	12.6	5	38	Silt	<30	670	1,200	1,870	Loamy	<30	160	280	440	0.25		
			2012/10/20	Sunny	1.8	1	97	Silt	<30	140	220	360	Loamy	<30	500	620	1,120	0.26		
			2012/10/25	Sleet	14.9	15	39	Silt	<30	350	620	980	Loamy	<30	310	590	900	0.23		
58	Akimoto Lake	Inawashiromachi Town	2012/02/24	Sunny	31.0	5	49	Silt	<30	660	1,100	1,760	Loamy	<30	250	470	720	0.15		
			2012/11/21	Sunny	18.3	10	53	Silt	<30	57	120	177	Loamy/skeletal	<30	270	440	710	0.17		
			2012/10/4	Cloudy	7.7	5	20	Silt	<30	200	340	540	Loamy	<30	85	160	243	0.18		
59	Bishamonnoma Lake	Kitashioharamura Village	2012/02/24	Cloudy	7.3	5	20	Silt	<30	1,500	2,400	3,900	Loamy	<45	3,000	5,100	8,100	0.17		
			2012/11/21	Sunny	6.5	15	22	Silt	<30	860	1,400	2,260	Loamy	<30	1,600	2,800	4,400	0.21		
60	Ogunumuna Lake	Kitashioharamura Village	2012/10/25	Cloudy	22.6	5	37	Silt	<30	220	370	530	Loamy	<30	310	480	840	0.12		
			2012/10/24	Sunny	3.1	1	97	Silt	<30	3,800	6,400	10,200	Loamy	<30	620	1,500	2,100	0.13		
61	Onuma Lake (farm pond)	Nishiazumachi Town	2012/03/11	Sunny	0.5	3	48	Clay	<30	200	400	600	Loamy	<30	841	150	234	0.08		
			2012/11/16	Sunny	0.4	4	34	Clay	<30	240	480	720	Loamy/sandy	<30	69	110	179	0.08		
62	Inawashiro Lake Center of the lake	Aizuwakamatsu City	2012/9/26	Sunny	94.0	20	37	Silt	<30	96	190	286	Loamy	<30	300	500	800	0.12		
			2012/10/25	Cloudy	94.0	15	37	Silt	<30	42	91	133	Sandy	<30	420	79	121	0.09		
63	Inawashiro Lake Takahashigawa River Estuary		2012/9/24	Cloudy	0.8	2	88	Sand	<30	30	56	86	Loamy	<30	300	500	800	0.12		
			2012/10/25	Sunny	0.9	1	95	Sand	<30	40	64	104	Sandy	<30	220	390	510	0.11	New sampling point	
64	Inawashiro Lake, Ogurogawa River Estuary		2012/11/19	Sunny	1.4	2	56	Sand/silt	<30	100	170	270	Loamy	<30	390	690	1,080	0.12		
			2012/9/25	Cloudy	0.4	2	88	Sand/gravel	<30	70	130	200	Loamy/skeletal	<30	450	760	1,210	0.13	New sampling point	
65	Inawashiro Lake Tenjinhamada Beach		2012/10/25	Sunny	0.5	10	89	Sand	<30	26	50	76	Loamy	<30	390	620	1,010	0.14		
			2012/9/25	Cloudy	1.2	2	90	Sand	<30	44	67	111	Sandy	<30	42	79	121	0.09		
66	Inawashiro Lake Hishinumagawa River Estuary		2012/10/25	Cloudy	1.3	3	87	Sand	<30	44	66	110	Loamy	<30	120	210	330	0.07		
			2012/11/19	Sunny	1.4	3	88	Sand	<30	64	94	158	Sandy	<30	90	160	250	0.08		
67	Inawashiro Lake Intake of Asakasou		2012/10/25	Sunny	1.3	3	92	Sand	<30	25	43	71	Loamy	<30	43	60	100	0.08		
			2012/11/19	Sunny	1.2	2	91	Sand	<30	14	25	39	Sandy	<30	22	38	60	0.08		
68	Inawashiro Lake Hamajima Beach		2012/9/25	Cloudy	3.2	2	94	Sand/gravel	<30	45	81	120	Loamy	<30	210	310	520	0.15		
			2012/10/23	Rain	3.1	2	84	Sand	<30	41	74	111	Loamy	<30	170	280	450	0.14		
69	Inawashiro Lake Funatsu Port	Koriyamashi City	2012/11/19	Sunny	4.8	2	84	Sand	<30	50	77	130	Loamy	<30	260	380	640	0.13	New sampling point	
			2012/9/25	Cloudy	5.1	3	87	Sand	<30	73	150	223	Sandy	<30	77	120	197	0.11		
70	Inawashiro Lake Offshore of Funatsugawa River Estuary		2012/10/23	Rain	5.0	3	86	Sand	<30	73	140	213	Sandy	<30	97	140	237	0.10	New sampling point	
			2012/11/19	Sunny	5.6	3	84	Sand	<30	66	120	186	Sandy	<30	220	390	610	0.12		
71	Inawashiro Lake Seishogahama Beach		2012/9/25	Cloudy	1.4	3	86	Sand	<30	27	47	74	Loamy	<30	280	470	750	0.11		
			2012/10/23	Rain	6.3	3	78	Sand	<30	52	86	138	Loamy	<30	160	280	460	0.10	New sampling point	
72	Inawashiro Lake Haragawa River Estuary	Aizuwakamatsu City	2012/10/25	Sunny	12.9	3	82	Sand/silt	<30	64	87	151	Loamy	<30	290	520	810	0.13	New sampling point	
			2012/11/19	Sunny	15.5	3	80	Sand	<30	58	110	168	Loamy	<30	250	400	650	0.17		
73	Inawashiro Lake Koshigahama Floodgate	Inawashiromachi Town	2012/10/24	Sunny	4.6	10	45	Silt	<30	66	140	206	Loamy/skeletal	<30	390	630	1,020	0.15	New sampling point	
			2012/11/19	Sunny	4.6	1	78	Silt	<30	41	71	110	Loamy	<30	990	1,600	2,530	0.15		
74	Higashiyama Dam Reservoir	Aizuwakamatsu City	2012/10/25	Sunny	29.5	10	50	Silt	<30	850	1,400	2,250	Loamy/skeletal	<30	270	430	700	0.16		
			2012/11/14	Cloudy, partly rain	24.7	2	47	Silt	<30	170	320	490	Loamy/leaf mold	<30	180	310	490	0.15		

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			Concentration of radioactive material Bq/kg (dry)				
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	
75	Numazawako Lake	Kaneyamamachi Town	2012/02/26	Cloudy, partly rain	92.0	20	45	Silt	<30	28	110	138	Loamy	<30	470	790	1,260	0.14	
			2012/1/13	Sunny	91.8	20	39	Silt	<30	810	1,400	2,210	Loamy/sandy	<30	88	140	228	0.13	
76	Tenairi (farm pond)	Aizumisatomachi Town	2012/02/24	Cloudy	0.4	3	61	Silt/sand/gravel	<30	710	1,200	1,910	Loamy	<30	170	310	480	0.11	
77	Okawa Dam Reservoir	Aizuwakamatsu City	2012/1/15	Sunny	0.5	3	58	Silt	<30	1,200	2,000	3,200	Loamy	<30	150	250	400	0.11	
			2012/02/25	Sunny	6.1	10	49	Silt	<30	220	390	610	Loamy	<30	95	150	243	0.09	
78	Tagakura Reservoir	Tadamimachi Town	2012/1/15	Cloudy	6.2	3	51	Sand/silt	<30	82	160	242	Loamy	<30	190	330	520	0.09	
			2012/1/15	Rain	-	-	-	-	-	-	-	-	Loamy	<30	100	180	280	0.05	Unable to collect samples due to low water level
79	Fukai (farm pond)	Tadamimachi Town	2012/02/23	Cloudy	14.2	-	-	-	-	-	-	-	Loamy/sandy	<30	<10	55	55	0.05	
			2012/1/12	Rain	0.2	3	61	Sand/silt	<30	110	160	270	Loamy	<30	21	33	54	0.12	
80	Tajima Dam Reservoir (Funehanako Lake)	Minamiaizuumsachi Town	2012/02/24	Cloudy	9.1	5	37	Silt	<30	90	180	270	Loamy	<30	35	63	98	0.06	
			2012/1/14	Sunny	11.2	20	31	Silt	<30	250	450	700	Loamy/sandy	<30	23	45	68	0.06	
81	Okutadami Reservoir	Tadamimachi Town	2012/02/23	Rain	13.3	7	57	Silt	<30	70	120	190	Leaf mold	<30	180	320	500	0.06	
			2012/1/13	Sunny	0.8	-	-	-	-	-	-	-	Leaf mold	<30	200	340	540	0.05	Unable to collect samples due to unavailability of the boat
82	Ozenuma Lake	Hinoemataura Village	2012/9/27	Sunny	7.2	10	18	Silt	<30	150	280	430	Loamy	<30	340	570	910	0.11	
			2012/10/4	Sunny	7.3	3	20	Silt	<30	<10	34	34	Loamy	<30	440	720	1,160	0.12	

*Air dose was measured with a survey meter, TCS-171 or TCS-172 of Hitachi-Akika Medical, Ltd.

*Sampling points are listed from north to south.

○ Sea Area: Water Quality Monitoring Results

No.	Sampling point Water body	Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
					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	2012/9/18	Sunny	13.8	0.5	6.5	32	2	2	<1	<1	<1	<1
					12.8		32	4	2	<1	<1	<1	<1
		2012/10/17	Sunny	15.0	0.5	4.5	32	4	1	<1	<1	<1	<1
					14.0		33	3	1	<1	<1	<1	<1
		2012/11/22	Cloudy	15.0	0.5	4.3	33	6	2	<1	<1	<1	<1
					14.0		33	5	1	<1	<1	<1	<1
2	Matsukawaura sea area Around center of Fishing Right Area-1	2012/9/21	Cloudy	1.5	0.0	1.5	31	3	2	<1	<1	<1	<1
					0.5		32	4	2	<1	<1	<1	<1
		2012/11/1	Sunny	1.8	0.5	1.8	26	3	2	<1	<1	<1	<1
					0.8		33	10	5	<1	<1	<1	<1
		2012/11/27	Sunny	2.0	0.5	2.0	32	5	2	<1	<1	<1	<1
					1.0		32	6	2	<1	<1	<1	<1
3	Neighboring sea area of Soso Approx. 2,000 m offshore of Manogawa River	2012/9/20	Sunny	18.0	0.5	8.5	32	3	2	<1	<1	<1	<1
					17.0		32	4	2	<1	<1	<1	<1
		2012/10/16	Sunny	15.3	0.5	6.0	33	4	1	<1	<1	<1	<1
					14.3		33	3	1	<1	<1	<1	<1
		2012/11/26	Cloudy	18.0	0.5	5.5	30	4	1	<1	<1	<1	<1
					17.0		33	5	1	<1	<1	<1	<1
4	Neighboring sea area of Haramachi City Niidagawa River 沖約1000m附近	2012/9/19	Cloudy	5.3	0.5	2.5	32	7	1	<1	<1	<1	<1
					4.3		32	4	1	<1	<1	<1	<1
		2012/10/30	Cloudy	10.0	0.5	4.5	33	10	3	<1	<1	<1	<1
					9.0		33	11	3	<1	<1	<1	<1
		2012/11/29	Cloudy	16.0	0.5	3.5	33	6	2	<1	<1	<1	<1
					15.0		34	7	2	<1	<1	<1	<1
5	Neighboring sea area of Haramachi City Approx. 1,000 m offshore of Otagawa River	2012/10/10	Sunny	7.0	0.5	5.0	31	5	3	<1	<1	<1	<1
					6.0		36	6	3	<1	<1	<1	<1
		2012/11/20	Sunny	8.5	0.5	2.4	32	11	3	<1	<1	<1	<1
					7.5		33	11	4	<1	<1	<1	<1
6	Neighboring sea area of Soso District Approx. 1,000 m offshore of Odakagawa River	2012/11/7	Sunny	10.0	0.5	3.3	32	7	3	<1	<1	<1	<1
					9.0		33	8	3	<1	<1	<1	<1
		2012/11/28	Sunny	10.6	0.5	2.4	31	9	2	<1	<1	<1	<1
					9.6		32	10	3	<1	<1	<1	<1
7	Neighboring sea area of Narahamachi Town Approx. 1,000 m offshore of Kidogawa River	2012/11/13	Cloudy	11.0	0.5	1.8	34	7	3	<1	<1	<1	<1
					10.0		35	7	3	<1	<1	<1	<1
		2012/11/30	Cloudy	9.0	0.5	6.0	31	6	2	<1	<1	<1	<1
					8.0		33	7	2	<1	<1	<1	<1
8	Approx. 1,000 m offshore of Asamigawa River estuary	2012/9/14	Sunny	9.0	0.5	7.0	32	<1	1	<1	<1	<1	<1
					8.0		31	3	1	<1	<1	<1	<1
		2012/10/25	Sunny	11.0	0.5	6.0	33	4	0	<1	<1	<1	<1
					10.0		34	7	2	<1	<1	<1	<1
		2012/11/30	Cloudy	11.1	0.5	3.4	32	7	2	<1	<1	<1	<1
					10.1		33	7	2	<1	<1	<1	<1
9	Approx. 1,000 m offshore of Ohisagawa River Estuary	2012/9/14	Sunny	10.0	0.5	9.5	31	3	1	<1	<1	<1	<1
					9.0		31	5	2	<1	<1	<1	<1
		2012/10/25	Sunny	11.0	0.5	5.0	34	6	1	<1	<1	<1	<1
					10.0		36	5	2	<1	<1	<1	<1
		2012/11/30	Cloudy	12.5	0.5	3.6	31	7	2	<1	<1	<1	<1
					11.5		34	8	2	<1	<1	<1	<1
10	Neighboring sea area of Iwaki City Approx. 1,500 m offshore of Natsugawa River	2012/9/14	Sunny	16.5	0.5	9.5	32	2	0	<1	<1	<1	<1
					15.5		31	4	1	<1	<1	<1	<1
		2012/10/25	Sunny	18.0	0.5	4.0	33	4	1	<1	<1	<1	<1
					17.0		34	5	1	<1	<1	<1	<1
		2012/11/19	Cloudy	14.5	0.5	5.5	33	5	1	<1	<1	<1	<1
					13.5		33	6	2	<1	<1	<1	<1
11	Orihama Port Approx. 400 m north of Nishibouhatei No. 2	2012/9/15	Cloudy	14.5	0.5	3.2	26	5	2	<1	<1	<1	<1
					13.5		32	4	1	<1	<1	<1	<1
		2012/10/26	Cloudy	6.0	0.5	5.0	33	5	2	<1	<1	<1	<1
					5.0		34	4	1	<1	<1	<1	<1
		2012/11/19	Cloudy	16.2	0.5	1.9	32	9	4	<1	<1	<1	<1
					15.2		33	11	5	<1	<1	<1	<1
12	Ioban coastal sea area Approx. 1,000 m offshore of Bindagawa River	2012/9/15	Cloudy	16.5	0.5	10.0	28	3	2	<1	<1	<1	<1
					15.5		32	4	1	<1	<1	<1	<1
		2012/10/26	Cloudy	18.0	0.5	6.2	34	3	1	<1	<1	<1	<1
					17.0		34	5	1	<1	<1	<1	<1
		2012/11/19	Cloudy	14.0	0.5	4.0	31	5	1	<1	<1	<1	<1
					13.0		33	5	1	<1	<1	<1	<1

Sea Area: Sediment Monitoring Result

No.	Sampling point Water body	Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)				Remarks	
					Mud sampling depth cm	Mud content %	Property	Radioactive iodine		Radioactive cesium			
								I-131	Cs-134	Cs-137	Total		
1	Neighboring sea area of Soso Approx. 2,000 m offshore of Tsurushihama Fishing Port	2012/9/18	Sunny	13.8	5	85	Sand	<30	<10	<10	1		
		2012/10/17	Sunny	15.0	3	87	Sand	<30	<10	11	11		
		2012/11/22	Cloudy	15.0	5	87	Sand	<30	13	17	30		
2	Matsukawaura sea area Around center of Fishing Right Area-1	2012/9/21	Cloudy	1.5	10	84	Sand	<30	35	55	90		
		2012/11/1	Sunny	1.8	5	84	Sand	<30	38	67	105		
		2012/11/27	Sunny	5	5	83	Sand	<30	49	74	123		
3	Neighboring sea area of Soso Approx. 2,000 m offshore of Manogawa River	2012/10/10	Sunny	18.5	5	83	Sand	<30	12	60	304		
		2012/10/13	Sunny	16.3	3	87	Sand	<30	14	23	36		
		2012/11/26	Cloudy	18.0	5	82	Sand	<30	43	88	131		
4	Neighboring sea area of Haramachi City Niitagawa River沖約1000m附近	2012/10/30	Cloudy	10.0	3	77	Sand	<30	150	250	400		
		2012/11/29	Cloudy	16.0	3	73	Sand	<30	98	170	268		
		2012/10/10	Sunny	7.0	3	86	Sand	<30	11	25	36	New sampling point	
5	Neighboring sea area of Haramachi City Approx. 1,000 m offshore of Otagawa River	2012/11/20	Sunny	8.5	3	89	Sand	<30	13	35	48		
		2012/11/20	Sunny	10.0	3	84	Sand	<30	32	56	88	New sampling point	
		2012/11/28	Sunny	10.6	5	83	Sand	<30	45	82	127		
6	Neighboring sea area of Soso District Approx. 1,000 m offshore of Odakagawa River	2012/10/13	Cloudy	11.0	3	84	Sand	<30	150	250	400		
		2012/11/30	Cloudy	9.0	5	79	Sand	<30	130	250	380	New sampling point	
		2012/9/14	Sunny	9.0	5	89	Sand	<30	120	190	310		
7	Neighboring sea area of Narahamachi Town Approx. 1,000 m offshore of Kidogawa River	2012/10/25	Sunny	11.0	3	84	Sand	<30	120	210	330		
		2012/11/30	Cloudy	11.1	5	85	Sand	<30	130	230	360		
		2012/9/14	Sunny	10.4	3	89	Sand	<30	71	99	170		
8	Approx. 1,000 m offshore of Asamigawa River estuary	2012/10/25	Sunny	11.0	3	84	Sand	<30	41	61	102		
		2012/11/30	Cloudy	12.5	5	89	Sand	<30	73	140	213		
		2012/9/14	Sunny	16.5	5	84	Sand	<30	43	70	113		
9	Approx. 1,000 m offshore of Ohisagawa River Estuary	2012/10/25	Sunny	10.4	3	89	Sand	<30	71	99	170		
		2012/10/25	Sunny	11.0	3	85	Sand	<30	41	61	102		
		2012/11/30	Cloudy	12.5	5	89	Sand	<30	73	140	213		
10	Neighboring sea area of Iwakishi City Approx. 1,500 m offshore of Natsugawa River	2012/10/25	Sunny	18.0	3	85	Sand	<30	53	80	133		
		2012/11/19	Cloudy	14.5	5	88	Sand	<30	28	46	74		
		2012/9/15	Cloudy	14.5	10	58	Sludge	<30	110	170	280		
11	Onahama Port Approx. 400 m north of Nishibouhatei No. 2	2012/10/26	Cloudy	6.0	3	68	Silt	<30	200	350	550		
		2012/11/19	Cloudy	16.2	5	64	Silt	<30	270	460	730		
		2012/9/15	Cloudy	16.5	10	76	Sand	<30	99	150	249		
12	Joban coastal sea area Approx. 1,000 m offshore of Bindagawa River	2012/10/26	Cloudy	18.0	5	82	Sand	<30	73	120	193		
		2012/11/19	Cloudy	14.0	3	83	Sand	<30	67	100	167		

*Sampling points are listed from north to south.



