

(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 nS/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	Somashi City	2012/11/8	Sunny	0.40	0.0	>100	32	2	1	<1	<1	<1		
3		Hvakkubashi Bridge		2012/11/8	Sunny	2.35	0.0	65	4	8	5	<1	<1	<1		
4		Horisakabashi Bridge		2012/11/8	Sunny	0.35	0.0	>100	13	<1	0	<1	<1	<1		
5	Udagawa River	Hvakkubashi Bridge	Minamisomashi City	2012/11/8	Sunny	0.80	0.0	>100	4	4	2	<1	<1	<1		
6	Manogawa River	Ochiaibashi Bridge		2012/11/7	Sunny	0.80	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	Nidagawa River	Kusano	Itatemura Village	2012/11/6	Rain	0.40	0.0	>100	9	<1	1	<1	<1	<1	Living-restricted areas	
9		Komiya	2012/11/6	Cloudy	0.40	0.0	83	9	3	1	<1	<1	<1	<1		
10	Otogawa River	Kidouchibashi Bridge	Minamisomashi City	2012/11/7	Sunny	1.00	0.0	>100	11	<1	1	<1	<1	<1		
11		Sakekawabashi Bridge		2012/11/12	Rain	0.80	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	Former evacuation-prepared areas in case of emergency	
13		Kaminouchibashi 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		Mariyamabashi Bridge		2012/11/6	Rain	0.60	0.0	86	2,210	9	4	<1	<1	<1		
17	Odakagawa River	Shimokawarabashi Bridge	Namiemachi Town	2012/11/6	Cloudy	0.20	0.0	>100	12	<1	0	<1	<1	<1	Evacuation order lifting preparation areas	
18		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	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2012/9/19	Cloudy	0.30	0.0	>100	6	<1	0	<1	<1	<1		
21				2012/10/23	Rain	0.37	0.0	>100	8	<1	1	<1	<1	<1	<1	
		2012/11/15		Sunny	0.25	0.0	>100	7	<1	1	<1	<1	<1	<1	Restricted areas	
		2012/9/19		Cloudy	0.50	0.0	83	9	2	1	<1	<1	<1	<1		
22	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichishitadaira)	Tamura 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		
24	Maedagawa River	National Route 6, west	Futabamachi Town	2012/10/23	Rain	0.45	0.0	>100	14	2	2	<1	<1	<1	Restricted areas	
25		Nakahamabashi Bridge	Namiemachi Town	2012/11/20	Sunny	1.10	0.0	>100	16	<1	1	<1	<1	<1		
	2012/9/19	Rain	2.00	0.0	48	370	3	1	1	<1	<1	<1	1			
2012/11/15	Sunny	1.60	0.0	61	1,980	5	6	<1	1	<1	<1	1				
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/10/17	Sunny	0.50	0.0	>100	8	<1	1	<1	<1	<1	Living-restricted areas	
2012/11/21				Sunny	0.25	0.0	>100	10	<1	0	<1	<1	<1	<1		
27		Mikumabashi Bridge		2012/10/17	Cloudy	0.30	0.0	>100	10	<1	1	<1	<1	<1	<1	Difficult-to-return areas
2012/11/20	Cloudy	0.90	0.0	>100	13	<1	0	<1	<1	<1	<1	<1				
28	Tomikagawa River	Nabekurabashi Bridge	Kawauchimura Village	2012/10/16	Sunny	0.15	0.0	>100	7	<1	1	<1	<1	<1	Evacuation order lifting preparation areas	
29		Sakaigawabashi Bridge	2012/11/14	Sunny	0.25	0.0	>100	7	<1	0	<1	<1	<1	<1		
30		National Route 6, west	Tomikamachi Town	2012/9/19	Cloudy	0.30	0.0	>100	7	<1	0	<1	<1	<1		
31	2012/11/14	Sunny		0.30	0.0	>100	10	<1	1	<1	<1	<1	<1	Restricted areas		
	2012/9/19	Cloudy		0.30	0.0	91	8	<1	1	<1	<1	<1	<1			
2012/11/14	Sunny	0.65	0.0	>100	13	1	1	<1	<1	<1	<1	<1				
32	Megawa River	Motogawabashi Bridge	Narahamachi Town	2012/11/19	Cloudy	0.20	0.0	>100	10	<1	0	<1	<1	<1		
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatubashi Bridge)	Kawauchimura Village	2012/9/20	Rain	0.25	0.0	>100	5	<1	1	<1	<1	<1	Evacuation order lifting preparation areas	
				2012/10/16	Sunny	0.15	0.0	>100	5	<1	0	<1	<1	<1	<1	
				2012/11/19	Rain	0.40	0.0	>100	10	<1	0	<1	<1	<1	<1	
				2012/9/20	Rain	0.50	0.0	>100	5	<1	0	<1	<1	<1	<1	Former evacuation-prepared areas in case of emergency
2012/11/19	Cloudy	1.05	0.0	>100	6	<1	1	<1	<1	<1	<1	<1				
35	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/11/19	Cloudy	0.30	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

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		
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	Niidagawa River	Kasumidabashi Bridge		2012/11/7	Cloudy	0.50	0.0	88	26	2	1	<1	<1	<1	
41		Matsubabashi Bridge	Onomachi Town	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		Rokujumabashi Bridge	Iwanatsuribashi Bridge	2012/11/15	Sunny	0.50	0.0	90	17	1	1	<1	<1	<1	
45	Yoshimagawa River	Iwanatsuribashi Bridge		2012/11/9	Sunny	0.20	0.0	>100	12	<1	0	<1	<1	<1	
46		Before the confluence with Natsugawa River		2012/11/15	Sunny	0.20	0.0	>100	21	<1	1	<1	<1	<1	
47		Shimabashi Bridge	Iwakishi City	2012/10/19	Cloudy	0.70	0.0	40	50	13	9	<1	<1	<1	
	Fujiwaragawa River			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
48		Minatoohashi Bridge		2012/10/19	Cloudy	2.00	0.0	45	1	9	7	<1	<1	<1	
			Iwanatsuribashi Bridge	2012/11/15	Sunny	2.50	0.0	45	36	5	3	<1	<1	<1	
49	Samegawa River	Idosawabashi Bridge		2012/11/9	Sunny	3.60	0.0	>100	13	<1	1	<1	<1	<1	
50		Samegawabashi Bridge		2012/11/16	Sunny	4.50	0.0	73	444	1	2	<1	<1	<1	
51	Shitokigawa River	Komurobashi Bridge	Iwanatsuribashi 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	
52	Bindagawa River	Kobanabashi Bridge		2012/11/9	Sunny	0.50	0.0	>100	29	2	2	<1	<1	<1	
53		Bindabashi Bridge	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.	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
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2012/11/8	Sunny	3.40	5	74	Silt	<30	120	200	320		
2	Koizumigawa River	Koizumbashi Bridge	Somashi City	2012/11/8	Sunny	0.40	5	89	Sand	<30	180	290	470		
3		Hvakkenbashi Bridge		2012/11/8	Sunny	2.35	5	77	Silt	<30	500	850	1,350		
4		Horisakabashi Bridge		2012/11/8	Sunny	0.35	3	91	Sand	<30	280	480	760		
5	Udagawa River	Hvakkenbashi Bridge	Minamisomashi City	2012/11/8	Sunny	0.80	5	92	Sand	<30	31	53	84		
6		Ochimbashi Bridge		2012/11/7	Sunny	0.80	5	91	Sand	<30	170	280	450		
7	Manogawa River	Majimbashi Bridge	Minamisomashi City	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	Niidagawa River	Komiya	Minamisomashi City	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	Otogawa River	Sakekawabashi Bridge	Minamisomashi City	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		Masudabashi Bridge		2012/11/7	Sunny	0.80	2	78	Sand	<30	4,600	7,900	12,500		
15		JK Tetsudobashi Bridge		2012/11/7	Sunny	0.30	3	89	Sand	<30	650	1,100	1,750		
16		Maruyamabashi Bridge		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		
18	Odakagawa River	Zenchobashi Bridge	Namiemachi Town	2012/11/6	Rain	0.40	5	94	Sand	<30	130	230	360	Evacuation order lifting preparation areas	
19		Hatsukarabashi Bridge		2012/11/6	Rain	0.40	3	91	Sand	<30	<10	18	18		
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2012/9/19	Cloudy	0.30	3	93	Sand	<30	5,800	9,800	15,600		
				2012/10/23	Rain	0.37	5	93	Sand	<30	5,500	9,100	14,600		
				2012/11/15	Sunny	0.25	5	94	Sand	<30	4,900	8,500	13,400	Restricted areas	
21		Ukedobashi Bridge		2012/9/19	Cloudy	0.50	3	94	Sand	<30	510	860	1,370		
				2012/11/15	Sunny	0.25	3	91	Sand	<30	2,100	3,500	5,600		
22	Furumichigawa River	Before the confluence with Takasegawa River	Tamurashi City	2012/9/20	Sunny	0.70	3	95	Sand	<30	29	51	80		
				2012/11/9	Sunny	0.30	5	95	Sand	<30	65	100	165	Evacuation order lifting preparation areas	
				2012/10/18	Cloudy	0.25	5	65	Silt	<36	6,400	11,000	17,400		
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/11/15	Cloudy	1.00	5	95	Sand	<30	510	860	1,370		
24		National Route 6, west		Futabamachi Town	2012/10/23	Rain	0.45	5	94	Sand	<30	1,800	3,000	4,800	Restricted areas
25	Maedagawa River	National Route 6, west	Namiemachi Town	2012/11/20	Sunny	1.10	3	93	Sand	<30	1,400	2,300	3,700		
		Nakahamabashi Bridge		2012/9/19	Rain	2.00	2	86	Sand	<30	4,800	8,300	13,100		
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/11/15	Sunny	1.60	3	84	Sand	<30	2,500	4,300	6,800		
				2012/10/17	Sunny	0.50	2	95	Sand	<30	610	1,000	1,610	Living-restricted areas	
				2012/11/21	Sunny	0.25	3	95	Sand	<30	390	680	1,070		
27	Mikumabashi Bridge		Okumamachi Town	2012/10/17	Cloudy	0.30	2	94	Sand	<30	1,100	1,800	2,900	Difficult-to-return areas	
					2012/11/20	Cloudy	0.90	3	91	Sand	<30	1,300	2,200	3,500	
					2012/10/16	Sunny	0.15	5	92	Sand	<30	120	190	310	
28	Tomiokagawa River	Nabekurabashi Bridge	Kawauchimura Village	2012/11/20	Cloudy	0.20	3	89	Sand	<30	100	170	270	Evacuation order lifting preparation areas	
29		Sakaigawabashi Bridge		2012/11/14	Sunny	0.25	3	93	Sand	<30	170	270	440		
30		National Route 6, west		Tomiokamachi Town	2012/9/19	Cloudy	0.30	3	94	Sand	<30	930	1,600	2,530	
					2012/11/14	Sunny	0.30	3	94	Sand	<30	480	820	1,300	Restricted areas
31	Kobamabashi Bridge		Tomiokamachi Town	2012/9/19	Cloudy	0.30	1	94	Sand	<30	930	1,600	2,530		
					2012/11/14	Sunny	0.65	3	92	Sand	<30	1,300	2,300	3,600	
32	Idegawa River	Motozomabashi Bridge	Narahamachi Town	2012/11/19	Cloudy	0.20	1	94	Gravel/sand	<30	110	200	310		
				2012/9/20	Rain	0.25	5	94	Sand	<30	110	180	290		
				2012/10/16	Sunny	0.15	4	94	Sand	<30	29	54	83	Evacuation order lifting preparation areas	
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamatabashi Bridge)	Kawauchimura Village	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		
34	Kidogawa River	Nishiyamabashi Bridge	Narahamachi Town	2012/11/19	Cloudy	0.30	5	93	Sand	<30	86	150	236	Evacuation order lifting preparation areas	
35		Nagatorobashi Bridge		2012/11/19	Cloudy	0.30	5	93	Sand	<30	120	200	320		
36		Kidokawabashi Bridge		2012/11/19	Cloudy	0.60	5	93	Sand	<30	120	200	320		
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	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.	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		
38	Ohisagawa River	Kagetsobashi Bridge	Iwakishi City	2012/11/7	Cloudy	0.25	5	97	Gravel	<30	200	360	560	
39	Kohisagawa River	Rengobashi Bridge		2012/11/7	Cloudy	0.40	5	93	Gravel	<30	46	81	127	
40	Niidagawa River	Kasumidabashi Bridge		2012/11/7	Cloudy	0.50	3	95	Gravel	<30	30	45	75	
41	Niidagawa River	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	Natsugawa River	Kyudayubashi Bridge	Iwakishi City	2012/11/6	Rain	1.20	5	84	Sand	<30	54	95	149	
44		Rokujumabashi Bridge		2012/11/15	Sunny	0.50	5	92	Sand	<30	23	49	72	
45	Yoshimagawa River	Iwaanatsuribashi Bridge		2012/11/9	Sunny	0.20	5	88	Gravel/sand	<30	76	130	206	
46		Before the confluence with Natsugawa 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	
47	Fujiwaragawa River	Shimabashi Bridge		2012/11/15	Sunny	0.40	-	-	-	-	-	-	-	Unable to collect samples due to river bottom being concrete
48		Minatoohashi Bridge		2012/10/19	Cloudy	2.00	3	76	Sand	<30	210	370	580	
49	Samegawa River	Idosawabashi Bridge		2012/11/15	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		2012/11/16	Sunny	4.50	5	85	Sand	<30	39	67	106	
52		Kobanabashi Bridge	2012/10/19	Cloudy	1.00	3	92	Sand	<30	26	52	78		
53	Bindagawa River	Bindabashi Bridge	2012/11/16	Sunny	0.30	5	78	Sand	<30	88	120	208		
52		Kobanabashi Bridge	2012/11/9	Sunny	0.50	5	93	Sand	<30	150	270	420		
53		Bindabashi Bridge	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)				Air dose μSv/h	Property	Concentration of radioactive material Bq/kg (dry)				Air dose μSv/h	
							Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137	Total			Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137			Total
38	Onsagawa River	Kagesobashi Bridge		2012/1/7	Cloudy	-	-	-	-	-	Sandy	<30	1,100	1,800	2,900	0.27	Soil not exposed	
39	Kohsagawa River	Rengobashi Bridge	Iwakishi City	2012/1/7	Cloudy	Loamy	<30	1,500	2,500	4,000	0.43	Loamy	<30	760	1,300	2,060	0.46	
40	Niidagawa River	Kasumabashi Bridge		2012/1/7	Cloudy	Loamy	<30	900	1,500	2,400	0.24	Loamy	<30	1,700	3,000	4,700	0.30	
41		Matubashi Bridge		2012/1/6	Rain	Loamy	<30	830	1,400	2,230	0.33	Loamy	<30	800	1,300	2,100	0.33	
42		Kitanouchihashi Bridge	Onomachi Town	2012/1/5	Cloudy	Loamy	<30	510	900	1,410	0.17	Loamy	<30	130	230	360	0.17	
43	Natsugawa River	Kyadaiyabashi Bridge		2012/1/6	Rain	Sandy	<30	31	49	80	0.19	Loamy	<30	110	180	290	0.14	
44		Rokujumabashi Bridge		2012/1/15	Sunny	Loamy	<30	340	560	900	0.31	Loamy	<30	2,100	3,600	5,700	0.29	
45		Iwanourabashi Bridge		2012/1/9	Sunny	Loamy/Skeletal	<30	550	920	1,470	0.23	Loamy	<30	910	1,600	2,510	0.27	
46	Yoshimigawa River	Before the confluence with Natsugawa River		2012/1/15	Sunny	Loamy	<30	270	490	760	0.17	Loamy	<30	340	550	890	0.21	
47		Shimabashi Bridge		2012/10/19	Cloudy	Loamy	<30	640	1,000	1,640	0.17	Loamy	<30	710	1,200	1,910	0.14	
	Fujiwaragawa River			2012/1/15	Sunny	Loamy	<30	410	700	1,110	0.19	Loamy	<30	87	112	199	0.11	
48		Minatohashi Bridge	Iwakishi City	2012/10/19	Cloudy	Loamy	<30	240	430	670	0.17	Loamy	<30	580	990	1,570	0.14	
				2012/1/15	Sunny	Loamy	<30	320	590	910	0.12	Sandy	<30	860	1,500	2,360	0.26	
49	Samegawa River	Isonawabashi Bridge		2012/1/9	Sunny	Loamy	<38	4,300	7,100	11,400	0.32	-	-	-	-	-	0.24	Soil not exposed
50		Samegawabashi Bridge		2012/1/16	Sunny	Sandy	<30	19	34	53	0.07	Loamy	<30	180	320	500	0.11	
				2012/10/19	Cloudy	Loamy	<30	740	1,300	2,040	0.23	Loamy	<30	1,700	2,900	4,600	0.26	
51	Shioogawa River	Komurobashi Bridge		2012/1/16	Sunny	Loamy	<30	500	900	1,400	0.21	Loamy	<30	450	860	1,310	0.21	
52		Kobanabashi Bridge		2012/1/19	Sunny	Loamy	<30	660	1,200	1,860	0.20	Loamy	<30	290	510	800	0.15	
53	Bindagawa River	Bindabashi Bridge		2012/1/16	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			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium		
													Cs-134	Cs-137	
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/10/9	Sunny	0.20	0.0	>100	13	2	1	<1	<1	<1	
				2012/11/22	Cloudy	0.20	0.0	>100	13	<1	1	<1	<1	<1	
55	Abukumagawa River	Tamachiohoshi Bridge	Shirakawashi City	2012/10/2	Cloudy	0.60	0.0	20	11	33	9	<1	<1	<1	
				2012/11/1	Sunny	0.50	0.0	76	12	2	1	<1	<1	<1	
56	Yantagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2012/10/9	Sunny	0.90	0.0	>100	49	1	1	<1	<1	<1	
				2012/11/1	Sunny	0.60	0.0	60	48	1	1	<1	<1	<1	
57	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/10/9	Sunny	0.25	0.0	>100	15	2	1	<1	<1	<1	
				2012/11/19	Cloudy	0.50	0.0	>100	15	<1	1	<1	<1	<1	
58	Kitasugawa River	Yanagibashi Bridge	Hiratomura Village	2012/10/16	Sunny	0.15	0.0	>100	15	<1	1	<1	<1	<1	
				2012/11/21	Sunny	0.20	0.0	>100	14	1	1	<1	<1	<1	
59	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/10/9	Sunny	0.70	0.0	72	13	4	2	<1	<1	<1	
				2012/11/19	Cloudy	0.30	0.0	57	15	3	3	<1	<1	<1	
60	Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	2012/10/9	Sunny	0.80	0.0	>100	12	2	1	<1	<1	<1	
				2012/11/21	Sunny	0.70	0.0	>100	8	2	2	<1	<1	<1	
61	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/10/2	Cloudy	0.50	0.0	32	15	13	4	<1	<1	<1	
				2012/11/21	Sunny	0.20	0.0	89	18	3	2	<1	<1	<1	
62	Abukumagawa River	Emochibashi Bridge	Sakagawashi City	2012/11/1	Sunny	0.85	0.0	>100	17	4	3	<1	<1	<1	
				2012/10/16	Sunny	0.20	0.0	>100	16	<1	1	<1	<1	<1	
63	Shakadogawa River	Sukagawashi City water intake point	Sakagawashi City	2012/11/8	Cloudy	0.20	0.0	81	17	3	3	<1	<1	<1	
				2012/10/16	Sunny	0.30	0.0	>100	18	1	1	<1	<1	<1	
64	Shakadogawa River	Before the confluence with Abukumagawa River	Sakagawashi City	2012/11/20	Cloudy, partly rain	0.30	0.0	89	19	4	3	<1	<1	<1	
				2012/10/16	Sunny	0.30	0.0	>100	18	1	1	<1	<1	<1	
65	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/9/25	Cloudy	0.40	0.0	43	21	7	2	<1	<1	<1	
				2012/11/1	Sunny	0.40	0.0	52	27	6	6	<1	<1	<1	
66	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/9/25	Clundy, then sunny	0.20	0.0	57	25	8	2	<1	<1	<1	
				2012/11/1	Sunny	0.20	0.0	>100	23	2	1	<1	<1	<1	
67	Otakingawa River	Fuehikibashi Bridge	Tamurashi City	2012/9/25	Cloudy	0.30	0.0	46	16	6	2	<1	<1	<1	
				2012/11/14	Sunny	0.30	0.0	90	16	2	1	<1	<1	<1	
68	Otakingawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/9/25	Clundy, then sunny	0.20	0.0	26	16	14	7	<1	<1	<1	
				2012/10/31	Cloudy	0.20	0.0	74	16	3	3	<1	<1	<1	
69	Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2012/10/2	Cloudy	0.15	0.0	70	22	4	2	<1	<1	<1	
				2012/10/31	Sunny	0.30	0.0	>100	28	<1	1	<1	<1	<1	
70	Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2012/9/25	Cloudy	0.30	0.0	85	32	5	2	<1	<1	<1	
				2012/10/31	Sunny	0.60	0.0	>100	33	2	2	<1	<1	<1	
71	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/10/2	Cloudy	0.40	0.0	42	24	3	2	<1	<1	<1	
				2012/10/31	Sunny	0.15	0.0	92	37	3	2	<1	<1	<1	
72	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2012/10/16	Sunny	0.40	0.0	>100	33	2	1	<1	<1	<1	
				2012/11/14	Sunny	0.30	0.0	55	26	2	2	<1	<1	<1	
73	Abukumagawa River	After the confluence with Ishimurogawa River	Koriyamashi City	2012/10/2	Cloudy	0.30	0.0	60	10	2	1	<1	<1	<1	
				2012/10/31	Sunny	0.30	0.0	>100	10	2	1	<1	<1	<1	
74	Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2012/10/2	Cloudy	1.00	0.0	61	15	3	1	<1	<1	<1	
				2012/10/29	Sunny	0.80	0.0	60	19	5	2	<1	<1	<1	
75	Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2012/10/3	Cloudy	0.20	0.0	81	16	2	2	<1	<1	<1	
				2012/10/29	Sunny	0.20	0.0	44	15	6	3	<1	<1	<1	

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

Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
No.	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium		
													Cs-134	Cs-137	
76	Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2012/10/18	Cloudy	1.00	0.0	20	13	46	21	<1	<1	<1	
				2012/11/14	Sunny	1.50	0.0	82	23	4	3	<1	<1	<1	
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/10/4	Rain	0.30	0.0	18	9	29	7	<1	<1	1	
				2012/10/30	Cloudy	0.62	0.0	>100	12	2	1	<1	<1	<1	
78	Utsushigawa River	Osegawabashi Bridge	Nihonmatsushi City	2012/10/3	Rain	0.20	0.0	28	15	10	3	<1	<1	<1	
				2012/11/13	Cloudy	0.70	0.0	18	18	47	18	<1	<1	<1	
79	Mizuharagawa River	Getouchibashi Bridge	Nihonmatsushi City	2012/10/4	Cloudy	0.50	0.0	7	7	55	33	<1	<1	<1	
				2012/11/1	Cloudy	0.20	0.0	>100	10	<1	1	<1	<1	<1	
80	Megamigawa River	Tsurumakibashi Bridge	Nihonmatsushi City	2012/10/4	Cloudy	0.30	0.0	71	22	2	1	<1	<1	<1	
				2012/11/1	Sunny	0.40	0.0	>100	25	<1	1	<1	<1	<1	
81	Abukumagawa River	Horaibashi Bridge	Fukushima City	2012/10/18	Cloudy	1.00	0.0	15	16	38	22	<1	<1	<1	
				2012/11/13	Cloudy	0.20	0.0	74	22	5	4	<1	<1	<1	
82	Nigorigawa River	Before the confluence with Omorigawa River	Fukushima City	2012/10/3	Cloudy	0.40	0.0	67	18	4	2	<1	<1	<1	
				2012/11/2	Cloudy	0.30	0.0	76	23	7	4	<1	<1	<1	
83	Arakawa River	Hinokurabashi Bridge	Fukushima City	2012/11/1	Cloudy	0.20	0.0	67	23	3	3	<1	<1	<1	
84	Sukawa River	Sukawabashi Bridge	Fukushima City	2012/10/3	Rain	0.40	0.0	>100	39	<1	0	<1	<1	<1	
				2012/11/1	Cloudy	0.50	0.0	>100	50	<1	0	<1	<1	<1	
85	Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/10/18	Cloudy	0.50	0.0	>100	31	10	4	<1	<1	<1	
				2012/11/12	Cloudy	0.70	0.0	40	30	15	6	<1	<1	<1	
86	Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/10/18	Cloudy	0.40	0.0	>100	35	<1	1	<1	<1	<1	
				2012/11/12	Cloudy	0.20	0.0	39	17	7	6	<1	<1	<1	
87	Hattandagawa River	Hattandabashi Bridge	Fukushima City	2012/10/3	Cloudy	0.50	0.0	51	21	9	4	<1	<1	<1	
				2012/10/31	Cloudy	0.30	0.0	37	21	14	5	<1	<1	<1	
88	Surikamigawa River	Totsunabashi Bridge	Fukushima City	2012/9/13	Sunny	0.30	0.0	>100	8	<1	1	<1	<1	<1	
				2012/10/31	Cloudy	0.50	0.0	>100	9	<1	1	<1	<1	<1	
89	Surikamigawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/10/23	Rain	0.30	0.0	>100	10	1	1	<1	<1	<1	
				2012/11/12	Cloudy	1.00	0.0	>100	12	<1	1	<1	<1	<1	
90	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/10/18	Cloudy	3.00	0.0	25	60	44	16	<1	<1	<1	
				2012/11/13	Sunny	0.60	0.0	67	23	5	4	<1	<1	<1	
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2012/10/4	Cloudy	0.20	0.0	14	9	43	10	<1	<1	<1	
				2012/11/12	Rain	0.50	0.0	58	12	4	2	<1	<1	<1	
92	Hirosegawa River	Jizogawarabashi Bridge	Dateshi City	2012/10/3	Rain	0.30	0.0	67	15	3	2	<1	<1	<1	
				2012/10/31	Cloudy	0.30	0.0	>100	14	2	1	<1	<1	<1	
93	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/10/3	Cloudy	0.40	0.0	76	26	6	3	<1	<1	<1	
				2012/10/23	Rain	0.30	0.0	95	30	2	1	<1	<1	<1	
94	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2012/11/13	Cloudy	0.70	0.0	>100	30	1	1	<1	<1	<1	
				2012/10/18	Cloudy	0.60	0.0	24	14	25	13	<1	<1	<1	
95	Kurokawa River	Tochigisakai	Shirakawashi City	2012/10/30	Sunny	0.25	0.0	>100	9	<1	0	<1	<1	<1	
				2012/11/13	Cloudy	0.30	0.0	>100	18	1	2	<1	<1	<1	
96	Others	Matsuokabashi Bridge	Tanaguramachi Town	2012/11/19	Cloudy, partly rain	0.40	0.0	70	14	4	3	<1	<1	<1	
97		Takachiharabashi Bridge	Yamatsurimachi Town	2012/11/19	Rain	0.40	0.0	>100	12	2	2	<1	<1	<1	

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

○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	Radioactive cesium			
											Cs-134	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	Before the confluence with Abukumagawa River	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	Yashirogawabashi Bridge	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	Hiratomura 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	Ishikawamachi Town	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	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	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	Sasaharagawa River	Shinbashi Bridge	Koriyamashi 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	Yatagawa River	Yatagawabashi 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	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	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	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/11/1	Sunny	0.40	2	91	Sand	<30	70	130	200	
				2012/9/25	Clundy, then sunny	0.20	1	94	Sand	<30	33	66	99	
66	Otakegawa River	Funehikibashi Bridge	Tamurashi City	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	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/11/14	Sunny	0.30	4	91	Sand	<30	46	87	133	
				2012/9/25	Clundy, then sunny	0.20	3	94	Sand	<30	32	57	89	
68	Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	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	Ousegawa River	Makunouchibashi Bridge	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	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2012/10/31	Sunny	0.60	5	94	Gravel/sand	<30	79	130	209	
				2012/10/31	Cloudy	0.40	2	91	Sand	<30	300	520	820	
71	Abukumagawa River	Before the confluence with Abukumagawa River	Koriyamashi City	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	Gohtakugawa River	After the confluence with Ishimurogawa River	Motomiyashi 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	Gohtakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	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	Gohtakugawa River	Before the confluence with Abukumagawa River	Motomiyashi City	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

Sampling point				Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)				Remarks
No.	Water body	Point	Municipality				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium			
											Cs-134	Cs-137	Total	
76	Abukumagawa River	Takadabashi Bridge		2012/10/18	Cloudy	1.00	3	83	Sand	<30	180	310	490	
				2012/11/14	Sunny	1.50	3	87	Sand	<30	98	170	268	
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/10/4	Rain	0.30	5	87	Sand	<30	620	1,000	1,620	
				2012/10/30	Cloudy	0.62	3	91	Sand	<30	340	580	920	
78	Utsushigawa River	Osegawabashi Bridge		2012/10/3	Rain	0.20	3	84	Sand	<30	230	380	610	
				2012/11/13	Cloudy	0.70	5	78	Sand	<30	450	810	1,260	
79	Mizuharagawa River	Getouchibashi Bridge		2012/10/4	Cloudy	0.50	5	66	Mud	<30	370	610	980	
				2012/11/1	Cloudy	0.20	2	87	Sand	<30	290	510	800	
80	Megamigawa River	Tsurumakibashi Bridge		2012/10/4	Cloudy	0.30	7	90	Sand	<30	370	640	1,010	
				2012/11/1	Sunny	0.40	5	91	Sand	<30	330	570	900	
81	Abukumagawa River	Horaibashi Bridge		2012/10/18	Cloudy	1.00	3	88	Sand	<30	120	220	340	
				2012/11/13	Cloudy	0.20	2	91	Sand	<30	160	280	440	
82	Nigorigawa River	Before the confluence with Omorigawa River		2012/10/3	Cloudy	0.40	6	91	Sand	<30	230	380	610	
				2012/11/2	Cloudy	0.30	7	93	Sand	<30	150	260	410	
83	Arakawa River	Hinokurabashi Bridge		2012/11/1	Cloudy	0.20	10	87	Sand	<30	16	29	45	
				2012/10/3	Rain	0.40	5	87	Sand	<30	31	51	82	
84	Sukawa River	Sukawabashi Bridge	Fukushimashi City	2012/11/1	Cloudy	0.50	3	83	Sand	<30	22	52	74	
				2012/10/18	Cloudy	0.50	4	91	Sand	<30	61	100	161	
85	Arakawa River	Before the confluence with Abukumagawa River		2012/11/12	Cloudy	0.70	6	88	Sand	<30	51	94	145	
				2012/10/18	Cloudy	0.40	3	93	Sand	<30	52	93	145	
86	Matsukawa River	Before the confluence with Abukumagawa River		2012/11/12	Cloudy	0.20	2	89	Gravel/sand	<30	63	110	173	
				2012/10/3	Cloudy	0.50	4	86	Sand	<30	1,600	2,700	4,300	
87	Hattandagawa River	Hattandabashi Bridge		2012/10/31	Cloudy	0.30	5	93	Sand	<30	220	390	610	
				2012/9/13	Sunny	0.30	5	87	Sand	<30	140	260	400	
88	Surikamigawa River	Totsunabashi Bridge		2012/10/31	Cloudy	0.50	10	87	Sand	<30	60	110	170	
				2012/10/23	Rain	0.30	3	91	Sand	<30	53	87	140	
89	Surikamigawa River	Before the confluence with Abukumagawa River		2012/11/12	Cloudy	1.00	3	90	Sand	<30	120	210	330	
				2012/10/18	Cloudy	3.00	3	89	Sand	<30	290	480	770	
90	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/11/13	Sunny	0.60	5	76	Sand	<30	470	810	1,280	
				2012/10/4	Cloudy	0.20	3	94	Sand	<30	150	260	410	
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawanatamachi Town	2012/11/12	Rain	0.50	5	91	Sand	<30	220	370	590	
				2012/10/3	Rain	0.30	5	95	Sand	<30	130	200	330	
92	Hirosegawa River	Jizogawarabashi Bridge		2012/10/31	Cloudy	0.30	5	94	Sand	<30	220	360	580	
				2012/10/3	Cloudy	0.40	3	92	Sand	<30	340	550	890	
93	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/10/23	Rain	0.30	3	91	Sand	<30	480	810	1,290	
				2012/11/13	Cloudy	0.70	3	91	Gravel/sand	<30	420	730	1,150	
94	Hirosegawa River	Before the confluence with Abukumagawa River		2012/10/18	Cloudy	0.60	5	92	Sand	<30	260	460	720	
				2012/11/13	Cloudy	0.30	2	86	Gravel/sand	<30	320	570	890	
95	Kurokawa River	Tochigisakai	Shirakawashi City	2012/10/30	Sunny	0.25	2	90	Sand	<30	26	47	73	
96	Others Kujigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2012/11/19	Cloudy, partly rain	0.40	5	96	Gravel/sand	<30	<10	12	12	
		Takachiharabashi Bridge	Yamatsurimachi Town	2012/11/19	Rain	0.40	3	94	Sand	<30	<10	16	16	

\*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) : Surrounding Environment Monitoring Results

No.	Sampling point			Sampling date	Weather	Property	Left bank				Right bank					Remarks		
	Water body	Point	Municipality				Concentration of radioactive material Bq/kg (dry)					Property	Concentration of radioactive material Bq/kg (dry)					
							Radioactive iodine	Radioactive cesium			Air dose μSv/h		Radioactive iodine	Radioactive cesium			Air dose μSv/h	
								I-131	Cs-134	Cs-137				Total	I-131			Cs-134
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	Abukumagawa River	Tamachiohashi Bridge	Shirakawashi City	2012/10/2	Cloudy	Loamy	<30	470	730	1,200	0.36	Loamy	<30	1,100	2,900	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	Yatagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	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	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	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	Kitasugawa River	Yanagibashi Bridge	Hiramura Village	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	Imadegawa River	Nekonakibashi 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	Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	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	Abukumagawa River	Kawanomeshashi Bridge	Tamakawamura Village	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	Abukumagawa River	Emochibashi Bridge	Sukagawashi City	2012/11/1	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	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi 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	Shakadogawa River	Before the confluence with Abukumagawa River	Sukagawashi 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	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/11/1	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	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/11/1	Sunny	Loamy	<30	3,000	5,100	8,100	0.40	Loamy	<30	1,400	2,400	3,800	0.42	
				2012/9/25	Cloudy, then sunny	Loamy	<30	770	1,300	2,070	0.17	Loamy	<30	1,200	1,900	3,100	0.22	
67	Otakegawa River	Funchikibashi Bridge	Tamuraashi City	2012/11/14	Sunny	Sandy	<30	660	1,200	1,860	0.14	Sandy	<30	1,100	1,900	3,000	0.18	
				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	
68	Otakegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/10/31	Cloudy	Loamy	<30	720	1,200	1,920	0.42	Loamy	<30	1,200	2,100	3,300	0.45	
				2012/10/2	Cloudy	Loamy	<30	2,500	4,100	6,600	0.67	Loamy	<30	2,300	3,800	6,100	0.77	
69	Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2012/10/31	Sunny	Loamy	<30	1,400	2,400	3,800	0.74	Loamy	<30	1,900	3,200	5,100	0.78	
				2012/9/25	Cloudy	Loamy	<30	3,000	5,000	8,000	0.72	Loamy	<30	4,100	6,700	10,800	0.88	
70	Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2012/10/31	Sunny	Loamy	<30	1,400	2,300	3,700	1.00	Loamy	<30	4,200	7,100	11,300	0.81	
				2012/10/2	Cloudy	Loamy	<30	500	830	1,330	0.69	Clayish	<30	760	1,200	1,960	0.82	
71	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/10/31	Sunny	Loamy/sandy	<30	590	970	1,560	0.78	Loamy/sandy	<30	520	840	1,360	0.82	
				2012/10/16	Sunny	Loamy/sandy	<30	920	1,500	2,420	0.42	Loamy	<30	2,200	3,700	5,900	0.68	
72	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2012/11/14	Sunny	Sandy	<30	340	580	920	0.31	Loamy	<30	880	1,500	2,380	0.71	
				2012/10/2	Cloudy	Sandy	<30	400	670	1,070	0.37	Loamy	<30	1,000	1,700	2,700	0.38	
73	Abukumagawa River	After the confluence with Ishimurogawa River	Koriyamashi 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	Cloudy	Loamy/skeletal	<30	2,000	3,400	5,400	0.90	Loamy	<30	2,200	3,500	5,700	0.83	
74	Gohyakugawa River	Kamiseskibashi Bridge	Motomiyashi 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	
75	Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2012/10/29	Sunny	Sandy	<30	160	280	440	0.64	Sandy	<30	390	640	1,030	0.76	

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

No.	Sampling point				Sampling date	Weather	Property	Left bank				Right bank					Remarks					
	Water body	Point	Municipality	Concentration of radioactive material Bq/kg (dry)								Property	Concentration of radioactive material Bq/kg (dry)									
				Radioactive iodine				Radioactive cesium					Air dose $\mu$ Sv/h	Radioactive iodine	Radioactive cesium			Air dose $\mu$ Sv/h				
				I-131				Cs-134	Cs-137	Total	I-131				Cs-134	Cs-137			Total			
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					
				2012/11/14	Sunny	Loamy	<30	1,800	3,200	5,000	1.27	Loamy	<30	1,000	1,800	2,800	0.92					
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/10/4	Rain	Sandy	<30	1,100	1,800	2,900	0.47	Loamy	<30	1,200	2,900	3,200	0.40					
				2012/10/30	Cloudy	Loamy/skeletal	<30	720	1,200	1,920	0.44	Loamy	<30	2,500	4,100	6,600	0.45					
78	Utsushigawa 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					
				2012/11/13	Cloudy	Loamy	<30	1,100	1,800	2,900	0.70	Sandy	<30	1,100	2,000	3,100	0.91					
79	Mizuharagawa River	Getouchibashi 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					
				2012/11/1	Cloudy	Loamy	<30	3,800	6,500	10,300	1.07	Loamy	<30	2,900	5,000	7,900	1.08					
80	Megamigawa River	Tsurumakibashi 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					
				2012/11/1	Sunny	Loamy	<30	1,700	3,000	4,700	0.83	Sandy	<30	650	1,100	1,750	0.77					
81	Abukumagawa River	Horaibashi Bridge		2012/10/18	Cloudy	Loamy	<30	5,400	9,100	14,500	0.91	Loamy	<30	3,300	5,500	8,800	0.89					
				2012/11/13	Cloudy	Sandy	<30	670	1,200	1,870	0.28	Loamy	<30	4,800	8,400	13,200	0.75					
82	Nigorigawa River	Before the confluence with Omerigawa River		2012/10/3	Cloudy	Loamy	<30	2,300	3,900	6,200	1.05	Loamy	<30	4,400	7,400	11,800	0.97					
				2012/11/2	Cloudy	Loamy	<30	2,200	3,700	5,900	1.08	Sandy	<30	1,400	2,400	3,800	0.98					
83	Arakawa River	Hinokurabashi Bridge		2012/11/1	Cloudy	Sandy	<30	920	1,600	2,520	0.18	Loamy/leaf mold	<30	1,200	2,100	3,300	0.23					
				2012/10/3	Rain	Loamy	<42	6,300	10,900	16,300	1.42	Loamy	<38	4,500	7,500	12,000	1.47					
84	Sukawa River	Sukawabashi Bridge	Fukushima City	2012/11/1	Cloudy	Loamy	<33	5,100	8,600	13,700	1.05	Loamy	<42	5,900	9,900	15,800	0.45					
				2012/10/18	Cloudy	Loamy	<30	2,800	4,800	7,600	1.48	Loamy	<30	3,900	6,600	10,500	1.72					
85	Arakawa River	Before the confluence with Abukumagawa River		2012/11/12	Cloudy	Loamy	<35	4,600	7,900	12,500	1.43	Loamy	<36	6,200	11,000	17,200	2.18					
				2012/10/18	Cloudy	Loamy	<30	1,700	2,900	4,600	0.61	Loamy	<30	650	1,100	1,750	1.51					
86	Matsukawa River	Before the confluence with Abukumagawa River		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					
				2012/10/3	Cloudy	Loamy	<30	1,800	2,900	4,700	0.68	Sandy	<30	980	1,600	2,580	0.75					
87	Hattandagawa River	Hattandabashi Bridge		2012/10/31	Cloudy	Loamy	<30	2,900	5,000	7,900	0.67	Sandy	<30	2,000	3,400	5,400	0.76					
				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					
88	Surikamigawa River	Totsubashi Bridge		2012/10/31	Cloudy	Sandy	<30	3,500	5,800	9,300	0.66	Sandy	<30	2,100	3,600	5,700	0.70					
				2012/10/23	Rain	Loamy	<30	2,100	3,700	5,800	1.14	Loamy	<37	8,500	14,000	22,500	1.03					
89	Abukumagawa River	Before the confluence with Abukumagawa River		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					
				2012/10/18	Cloudy	Loamy	<30	73	130	203	0.29	Loamy	<30	2,800	4,800	7,600	1.07					
90	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/11/13	Sunny	Loamy	<30	55	87	142	0.18	Loamy	<30	1,400	2,400	3,800	0.66					
				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					
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	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					
				2012/10/3	Rain	Loamy	<30	4,100	6,700	10,800	0.71	Loamy	<30	3,100	5,200	8,300	0.62					
92	Hirosegawa River	Jizogawarabashi Bridge		2012/10/31	Cloudy	Sandy	<30	1,400	2,400	3,800	0.82	Sandy	<30	2,700	4,600	7,300	0.72					
				2012/10/3	Cloudy	Loamy	<30	1,900	3,200	5,100	0.63	Loamy/skeletal	<30	2,700	4,500	7,200	0.75					
93	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/10/23	Rain	Loamy	<40	4,600	7,600	12,200	0.72	Loamy	<30	1,700	2,900	4,600	0.77					
				2012/11/13	Cloudy	Loamy	<30	1,200	2,100	3,300	0.63	Loamy	<30	2,900	5,000	7,900	0.80					
94	Hirosegawa River	Before the confluence with Abukumagawa River		2012/10/18	Cloudy	Loamy	<30	450	730	1,180	0.76	Loamy	<30	1,900	3,200	5,100	0.60					
				2012/11/13	Cloudy	Loamy	<30	800	1,400	2,200	0.50	Sandy	<30	1,400	2,400	3,800	0.74					
95	Kurokawa River	Tochigisakai	Shirakawashi City	2012/10/30	Sunny	Loamy	<30	2,400	4,100	6,500	0.47	Loamy	<30	2,100	3,600	5,700	0.51					
96	Others	Kujigawa River	Matsukabashi Bridge	Tanaguramachi Town	Cloudy, partly rain	Loamy/skeletal	<30	290	500	790	0.17	Loamy/sandy/skeletal	<30	400	730	1,130	0.22					
							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

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		
98	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	Takimibashi Bridge	Aizuwakamatsushi City	2012/10/30	Sunny	0.40	0.0	>100	12	1	1	<1	<1	<1	
101		Shinukawabashi 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	95	23	6	3	<1	<1	<1	<1
103	Miyakawa River	Saikubashi 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	Kitakatashi City	2012/10/5	Sunny	0.30	0.0	>100	18	2	1	<1	<1	<1	
				2012/10/25	Cloudy	0.20	0.0	>100	20	2	2	<1	<1	<1	
				2012/11/19	Sunny	0.20	0.0	62	17	7	6	<1	<1	<1	
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/11/1	Sunny	0.30	0.0	>100	19	4	2	<1	<1	<1	
107	Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/11/15	Rain	0.30	0.0	73	16	8	5	<1	<1	<1	
108	Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2012/10/31	Cloudy	0.40	0.0	>100	12	<1	1	<1	<1	<1	
109		Shimokawabashi Bridge		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	Minamiaizumachi Town	2012/11/12	Cloudy	0.40	0.0	>100	7	<1	1	<1	<1	<1	
113		Kurosawabashi Bridge	Tadamimachi Town	2012/11/12	Light rain	0.40	0.0	46	7	7	8	<1	<1	<1	
114	Tadamigawa River	Nishitanbashi Bridge	Kanevamatamachi Town	2012/10/31	Cloudy	0.20	0.0	61	7	6	5	<1	<1	<1	
115		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	Kitakatashi City	2012/11/15	Rain	0.40	0.0	34	9	43	20	<1	<1	<1	
117	Sukawa River	Sukawano	Inawashiro	2012/10/31	Cloudy	2.60	0.0	44	10	7	10	<1	<1	<1	
				2012/10/5	Cloudy	1.00	0.0	>100	71	4	1	<1	<1	<1	
				2012/10/24	Cloudy	0.50	0.0	>100	96	<1	0	<1	<1	<1	
				2012/11/21	Sunny	0.25	0.0	>100	69	2	1	<1	<1	<1	
				2012/9/26	Sunny	0.20	0.0	>100	36	3	2	<1	<1	<1	
118	Nagasegawa River	Koganebashi Bridge	Inawashiro	2012/10/25	Sunny	0.40	0.0	71	45	7	6	<1	<1	<1	
				2012/11/20	Rain	0.25	0.0	54	31	9	6	<1	<1	<1	
				2012/9/26	Sunny	0.20	0.0	>100	28	2	1	<1	<1	<1	
119	Takahashigawa River	Shinbashi Bridge	Inawashiro	2012/11/5	Sunny	0.40	0.0	>100	27	2	1	<1	<1	<1	
				2012/9/26	Sunny	0.45	0.0	>100	25	3	1	<1	<1	<1	
120	Ogurogawa River	Umenohashi Bridge	Inawashiro	2012/11/5	Sunny	0.20	0.0	68	31	12	7	<1	<1	<1	
				2012/9/26	Sunny	0.20	0.0	56	15	15	4	<1	<1	<1	
121	Hishinumagawa River	Sekido District	Inawashiro	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	
122	Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	2012/11/20	Rain	0.35	0.0	>100	10	<1	1	<1	<1	<1	
				2012/9/26	Sunny	0.20	0.0	>100	6	1	1	<1	<1	<1	
123	Haragawa River	Estuary, front	Aizuwakamatsushi City	2012/10/30	Cloudy	0.15	0.0	>100	7	1	1	<1	<1	<1	

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

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

Sampling point				Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)				Remarks
No.	Water body	Point	Municipality				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium			
											Cs-134	Cs-137	Total	
98	Aganogawa River	Tajimabashi Bridge	Minamiaizumachi 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	Yukawa River	Takimibashi Bridge	Aizuwakamatsushi City	2012/10/30	Sunny	0.40	3	85	Sand	<30	44	79	123	
101		Shimiyukawabashi 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		Mivakawa River		Saikunabashi Bridge	Aizubangemachi Town	2012/11/1	Sunny	0.85	3	83	Sand	<30	46	76
104	Aganogawa River	Mivakobashi Bridge	2012/11/1	Sunny		0.80	3	90	Sand	<30	<10	<10	-	
105	Nippashigawa River	Minamiohashi Bridge	Kitakatashi City	2012/10/5	Sunny	0.30	3	84	Sand	<30	63	110	173	
				2012/10/25	Cloudy	0.20	3	86	Sand	<30	49	83	132	
				2012/11/19	Sunny	0.20	3	79	Sand	<30	93	170	263	
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/11/1	Sunny	0.30	3	88	Sand	<30	77	130	207	
107	Kyumiakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/11/15	Rain	0.30	4	77	Silt	<30	160	290	450	
108	Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2012/10/31	Cloudy	0.40	3	86	Gravel/sand	<30	78	120	198	
109		Shimokawarabashi Bridge		2012/10/31	Cloudy	0.30	2	85	Gravel/sand	<30	130	240	370	
110	Nigorigawa River	Nigorigawabashi Bridge	Kitakatashi City	2012/11/19	Sunny	0.20	3	94	Sand	<30	11	13	24	
111		Yamazakibashi Bridge		2012/10/31	Cloudy	0.50	2	89	Gravel/sand	<30	24	37	61	
112		Inagawa River		Aovagibashi Bridge	Minamiaizumachi Town	2012/11/12	Cloudy	0.40	1	95	Gravel/sand	<30	<10	<10
113	Kurosawabashi Bridge	Tadamimachi Town	Kanevama Town	2012/11/12	Light rain	0.40	5	84	Sand	<30	<10	<10	-	
114				Nishitambashi Bridge	2012/10/31	Cloudy	0.20	2	86	Gravel/sand	<30	<10	<10	-
115	Tadamigawa River	Fujibashi Bridge	Aizubangemachi Town	2012/10/5	Sunny, then rain	0.70	5	75	Sand	<30	<10	12	12	
				2012/11/15	Rain	0.40	5	60	Silt	<30	76	150	226	
116	Aganogawa River	Shingo Dam	Kitakatashi City	2012/10/31	Cloudy	2.60	3	71	Gravel/silt	<30	63	120	183	
				2012/10/5	Cloudy	1.00	1	89	Sand	<30	21	37	58	
117	Sukawa River	Sukawano	Inawashiro-machi Town	2012/10/24	Cloudy	0.50	3	89	Sand	<30	15	24	39	
				2012/11/21	Sunny	0.25	5	79	Sand	<30	83	130	213	
				2012/9/26	Sunny	0.20	1	91	Sand	<30	22	37	59	
				2012/10/25	Sunny	0.40	2	90	Sand	<30	30	48	78	
				2012/11/20	Rain	0.25	3	75	Sand	<30	130	210	340	
119	Takahashigawa River	Shinbashi Bridge	Inawashiro-machi Town	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	
120	Ogurogawa River	Umenohashi Bridge	Inawashiro-machi Town	2012/11/5	Sunny	0.20	3	36	Silt	<30	830	1,500	2,330	
				2012/9/26	Sunny	0.20	6	36	Silt	<30	790	1,300	2,090	
121	Hishinumagawa River	Sekido District	Inawashiro-machi Town	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	-	
122	Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	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	-	
123	Haragawa River	Estuary, front	Aizuwakamatsushi City	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			Sampling date	Weather	Property	Left bank					Right bank					Remarks
	Water body	Point	Municipality				Concentration of radioactive material Bq/kg (dry)					Property	Concentration of radioactive material Bq/kg (dry)				
							Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Total	Air dose μSv/h		Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Total	
98	Aganogawa River	Tajimabashi Bridge	Minamiaizumashi Town	2012/11/11	Cloudy	Loamy/skeletal	<30	88	160	248	0.08	Loamy/skeletal	<30	32	62	94	0.08
99		Okawabashi Bridge		2012/11/4	Sunny	Loamy	<30	95	160	255	0.11	Loamy	<30	350	610	960	0.10
100	Yukawa River	Takimibashi Bridge	Aizuwakamatsuchi City	2012/10/30	Sunny	Loamy	<30	350	590	940	0.19	Loamy	<30	42	77	119	0.10
101		Shimiyukawabashi Bridge		2012/11/2	Rain	Loamy/skeletal	<30	850	1,500	2,350	0.28	Loamy	<30	360	600	960	0.22
102	Miyakawa River	Before the confluence with Aganogawa River		2012/11/1	Cloudy	Loamy	<30	700	1,200	1,900	0.24	Loamy	<30	790	1,400	2,190	0.24
103		Saikunabashi Bridge		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	Aizubangemachi Town	2012/11/1	Sunny	Loamy	<30	980	1,700	2,680	0.24	Loamy	<30	1,100	1,900	3,000	0.19
105	Nippashigawa River	Minamiobashi Bridge	Kitakatashi City	2012/10/5	Sunny	Loamy	<30	1,100	1,800	2,900	0.34	Loamy	<30	640	1,100	1,740	0.34
				2012/10/25	Cloudy	Loamy/skeletal	<43	6,000	10,000	16,000	0.32	Loamy	<30	480	840	1,320	0.29
				2012/11/19	Sunny	Loamy	<30	1,400	2,500	3,900	0.32	Loamy	<30	940	1,600	2,540	0.27
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/11/1	Sunny	Loamy/skeletal	<30	2,200	3,600	5,800	0.29	Loamy	<30	2,200	2,200	3,400	0.26
107	Kyuumiyakawa River	Joakubashi 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	Tatsugigawa River	Ohashi Bridge		2012/10/31	Cloudy	Loamy	<30	480	830	1,310	0.12	Loamy	<30	220	390	610	0.12
109		Shimokawarabashi Bridge	Kitakatashi City	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	Nigorigawabashi Bridge		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	200	340	540	0.18	Loamy	<30	390	660	1,050	0.20
112	Inagawa River	Aozakibashi Bridge	Minamiaizumashi Town	2012/11/2	Cloudy	Loamy/skeletal	<30	66	120	186	0.13	Loamy/skeletal	<30	110	200	310	0.13
113		Kurosawabashi Bridge	Tadamimachi Town	2012/11/2	Light rain	Loamy/sandy	<30	94	170	264	0.10	Loamy/skeletal	<30	21	36	57	0.08
114	Nishitambashi 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
116	Aganogawa River	Shingo Dam	Kitakatashi City	2012/11/15	Rain	Loamy/sandy	<30	170	310	480	0.11	Loamy/sandy	<30	470	750	1,220	0.27
				2012/10/31	Cloudy	Loamy	<30	190	320	510	0.11	Loamy	<30	130	240	370	0.10
117	Sukawa River	Sukawano		2012/10/5	Cloudy	Leaf mold	<30	130	220	350	0.16	Loamy	<30	1,100	1,900	3,000	0.22
				2012/10/24	Cloudy	Sandy	<30	340	580	920	0.13	Loamy/skeletal	<30	520	930	1,450	0.14
				2012/11/21	Sunny	Loamy	<30	970	1,700	2,670	0.21	Loamy	<30	650	1,100	1,750	0.21
				2012/9/26	Sunny	Loamy	<30	150	240	390	0.11	Loamy	<30	200	360	560	0.09
118	Nagasegawa River	Koganebashi Bridge	Inawashiro-machi Town	2012/10/25	Sunny	Loamy	<30	360	610	970	0.10	Loamy/sandy	<30	<10	11	11	0.08
				2012/11/20	Rain	Loamy	<30	110	190	300	0.11	Loamy	<30	87	160	247	0.10
119	Takahashigawa River	Shinbashi Bridge		2012/9/26	Sunny	Loamy	<30	770	1,300	2,070	0.16	Loamy	<30	180	310	490	0.12
				2012/11/5	Sunny	Loamy	<30	260	440	700	0.11	Loamy	<30	140	260	400	0.11
				2012/9/26	Sunny	Loamy/skeletal	<30	740	1,200	1,940	0.13	Loamy	<30	370	640	1,010	0.12
120	Ogurogawa River	Umenohashi Bridge		2012/11/5	Sunny	Loamy	<30	840	1,500	2,340	0.12	Loamy	<30	320	560	880	0.10
				2012/9/26	Sunny	Loamy	<30	120	200	320	0.11	Loamy	<30	130	240	370	0.10
121	Hishinugawa River	Sekido District		2012/10/30	Cloudy	Loamy	<30	160	290	450	0.11	Loamy	<30	94	170	264	0.10
				2012/9/26	Sunny	Loamy	<30	460	760	1,220	0.12	Loamy	<30	100	180	280	0.09
122	Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	2012/11/20	Rain	Loamy	<30	390	650	1,040	0.13	Skeletal	<30	140	220	360	0.10
				2012/9/26	Sunny	Loamy	<30	160	270	430	0.08	Loamy	<30	110	170	280	0.09
123	Haragawa River	Estuary, front	Aizuwakamatsuchi City	2012/10/30	Cloudy	Loamy	<30	76	140	216	0.08	Loamy	<30	120	180	300	0.08

\* 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 Cs-137			
1			Takei (farm pond)	Shinchimachi Town	Surface layer	2012/10/10	Sunny	4.2	0.5	0.7	51	9	3	<1	<1
	Lower layer	3.2			51				8		4	<1	<1	<1	
	Surface layer	2012/11/25			Sunny	4.5	0.5	22	5	8	<1	<1	<1		
Lower layer	3.5		22	4			7	<1	<1	<1					
2	Uchizawa (farm pond)		Surface layer	2012/9/18	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to construction
			Surface layer	2012/10/17	Sunny	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/11/25	Cloudy	-	-	-	-	-	-	-	-	-	
3	Matsugabo Dam (Utawawako Lake)	Somashi City	Surface layer	2012/9/10	Sunny	14.6	0.5	0.5	14	10	6	<1	<1	<1	
			Lower layer				13.6		10	19	9	<1	<1	<1	
			Surface layer	2012/10/15	Sunny	21.8	0.5	9	3	2	<1	<1	<1		
			Lower layer				20.8	17	11	10	<1	<1	<1		
			Surface layer				2012/11/5	Cloudy	26.0	0.5	10	8	6	<1	<1
Lower layer	25.0	14	10	12	<1	<1				<1					
4	Mato Dam		Surface layer	2012/9/11	Sunny	46.8	0.5	3.9	7	<1	1	<1	<1	<1	Evacuation order lifting preparation areas
			Lower layer				45.8		13	11	3	<1	1	2	
			Surface layer	2012/10/16	Sunny	53.1	0.5	7	<1	0	<1	<1	<1	<1	
			Lower layer				52.1	16	32	22	<1	2	3		
			Surface layer				2012/11/6	Rain	50.8	0.5	8	<1	1	<1	
Lower layer	49.8	21	10	8	<1	<1				2					
5	Ainosawa (farm pond)		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	
6	Ganbe Dam Reservoir	Itatemura Village	Surface layer	2012/9/11	Sunny	5.6	0.5	1.7	5	1	1	<1	<1	<1	Living-restricted areas
			Lower layer				4.6		6	5	2	<1	<1	<1	
			Surface layer	2012/10/16	Sunny	4.7	0.5	6	2	2	<1	<1	<1	<1	
			Lower layer				3.7	6	6	4	<1	<1	1		
			Surface layer				2012/11/6	Rain	9.6	0.5	7	3	4	<1	
Lower layer	8.6	7	4	5	<1	<1				2					
7	Fugane Dam (farm pond)		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	Sasotoge (farm pond)		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		Surface layer	2012/9/12	Cloudy	15.0	0.5	1.4	6	2	1	<1	<1	<1	Former evacuation-prepared areas in case of emergency
			Lower layer				14.0		11	45	13	<1	2	3	
			Surface layer	2012/10/17	Sunny	10.3	0.5	6	2	2	<1	<1	<1	<1	
			Lower layer				9.3	15	56	52	<1	2	2		
			Surface layer				2012/11/7	Sunny	9.1	0.5	9	4	8	<1	
Lower layer	8.1	10	13	17	<1	<1				<1					
10	Yokokawa Dam Reservoir	Minamiomashi City	Surface layer	2012/9/12	Sunny	27.5	0.5	3.0	5	<1	0	<1	<1	<1	Former evacuation-prepared areas in case of emergency
			Lower layer				26.5		6	2	1	<1	<1	<1	
			Surface layer	2012/10/17	Sunny	5.4	0.5	6	<1	1	<1	<1	<1	<1	
			Lower layer				4.4	6	<1	1	<1	<1	<1		
			Surface layer				2012/11/7	Sunny	5.0	0.5	6	1	1	<1	
Lower layer	4.0	6	<1	1	<1	<1				<1					
11	Tarayachi (farm pond)		Surface layer	2012/9/21	Cloudy, partly rain	-	-	-	-	-	-	-	-	-	Former evacuation-prepared areas in case of emergency Unable to collect samples due to drought
			Surface layer	2012/10/23	Rain	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/11/20	Sunny	-	-	-	-	-	-	-	-	-	
12	Takeshiyachi (farm pond)	Minamiomashi City	Surface layer	2012/10/10	Sunny	0.2	0.0	0.1	6	43	25	<1	<1	<1	Evacuation order lifting preparation areas
			Surface layer	2012/11/20	Sunny	0.2	0.0	0.2	6	42	65	<1	<1	<1	New sampling point
			Surface layer	2012/10/10	Cloudy	0.4	0.0	0.4	8	7	2	<1	<1	<1	
13	Ryugasaku (farm pond)		Surface layer	2012/11/20	Cloudy	0.5	0.0	0.3	8	14	12	<1	<1	<1	Evacuation order lifting preparation areas
			Surface layer	2012/10/10	Sunny	0.5	0.0	0.5	4	3	2	<1	<1	<1	
14	Uwatashiro (farm pond)	Kawanatsumachi Town	Surface layer	2012/11/11	Cloudy	0.5	0.0	0.5	4	3	3	<1	<1	<1	
			Surface layer	2012/10/25	Sunny	0.5	0.0	0.2	11	18	17	<1	3	5	Deliberate evacuation areas
15	Koakuto (farm pond)	Namiemachi Town	Surface layer	2012/11/21	Sunny	0.3	0.0	0.3	11	5	8	<1	2	2	
			Surface layer	2012/10/24	Sunny	0.5	0.0	0.5	6	2	1	<1	<1	<1	
16	Yosouchi (farm pond)	Itatemura Village	Surface layer	2012/10/24	Sunny	0.4	0.0	0.4	5	2	2	<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)	Minamiomashi City	Surface layer	2012/9/21	Cloudy	0.3	0.0	0.2	31	8	3	<1	<1	<1	Evacuation order lifting preparation areas
			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	Surface layer				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		
18	Ogaki Dam	Naniemachi Town	Surface layer	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	Uenokasa (farm pond)	Katsuraomura Village	Surface layer	2012/9/20	Light rain	-	-	-	-	-	-	-	-	-	Deliberate evacuation areas Unable to collect samples due to drought
			Surface layer	2012/11/13	Sunny	-	-	-	-	-	-	-	-	-	
20	Heigoiri (farm pond)	Naniemachi Town	Surface layer	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)	Naniemachi Town	Surface layer	2012/10/23	Rain	0.4	0.0	0.2	19	28	22	<1	2	2	Restricted areas
			Surface layer	2012/11/20	Sunny	0.3	0.0	0.2	14	23	20	<1	<1	<1	
22	Joroku (farm pond)	Naniemachi Town	Surface layer	2012/10/23	Rain	0.3	0.0	0.3	14	18	16	<1	1	2	Restricted areas
			Surface layer	2012/11/20	Sunny	0.2	0.0	0.2	15	14	12	<1	<1	<1	
23	Furumichigawa Power Plant Dam	Tamurashi City	Surface layer	2012/9/20	Cloudy	6.9	0.5	3.7	7	<1	0	<1	<1	<1	Evacuation order lifting preparation areas
			Lower layer				5.9		7	1	1	<1	<1	<1	
			Surface layer	2012/10/17	Sunny	7.1	0.5	3.7	7	<1	1	<1	<1	<1	
			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)	Futabamachi Town	Surface layer	2012/10/18	Cloudy	0.3	0.0	0.3	19	15	14	<1	2	3	Restricted areas New sampling point
			Surface layer	2012/11/21	Sunny	0.3	0.0	0.3	23	7	11	<1	1	2	
25	Suzunai No. 4 (farm pond)	Okumamachi Town	Surface layer	2012/10/25	Sunny	0.2	0.0	0.1	23	60	61	<1.1	23	37	Difficult-to-return areas New sampling point
			Surface layer	2012/11/20	Sunny	0.4	0.0	0.1	26	33	36	<1	16	28	
26	Nishihaguro (farm pond)	Futabamachi Town	Surface layer	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	Okumamachi Town	Surface layer	2012/10/18	Cloudy	20.3	0.5	3.1	7	<1	1	<1	<1	<1	Living-restricted areas
			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	
28	Atamamori 2 (farm pond)	Okumamachi Town	Surface layer	2012/10/25	Sunny	0.5	0.0	0.4	13	11	9	<1	2	3	Restricted areas
			Surface layer	2012/11/21	Sunny	0.4	0.0	0.4	13	4	5	<1	<1	<1	
29	Yonomori (farm pond)	Okumamachi Town	Surface layer	2012/9/19	Cloudy, partly rain	1.0	0.0	0.3	11	36	12	<1	3	6	Restricted areas
			Surface layer	2012/11/14	Sunny	0.7	0.0	0.1	11	28	33	<1	2	4	
30	Takikawa Dam	Toniokamachi Town	Surface layer	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)	Toniokamachi Town	Surface layer	2012/9/19	Cloudy	0.5	0.0	0.4	12	6	4	<1	<1	<1	Restricted areas
			Surface layer	2012/11/15	Sunny	0.6	0.0	0.3	15	14	14	<1	<1	<1	
32	Kamisisigeoka No. 1 (farm pond)	Narahamachi Town	Surface layer	2012/10/22	Cloudy	0.2	0.0	0.2	10	31	11	<1	1	3	Evacuation order lifting preparation areas
			Surface layer	2012/11/21	Sunny	0.3	0.0	0.3	8	5	4	<1	2	2	
33	Shimosigeoka (farm pond)	Narahamachi Town	Surface layer	2012/10/22	Cloudy	0.2	0.0	0.2	14	1	1	<1	<1	<1	Evacuation order lifting preparation areas
			Surface layer	2012/11/20	Sunny	0.3	0.0	0.3	14	3	2	<1	<1	<1	
34	Komachi Dam	Onomachi Town	Surface layer	2012/10/16	Sunny	9.8	0.5	1.1	10	3	4	<1	<1	<1	Evacuation order lifting preparation areas
			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	Narahamachi Town	Surface layer	2012/10/19	Sunny	6.0	0.5	3.4	5	<1	1	<1	<1	<1	Evacuation order lifting preparation areas
			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	
			Lower layer				5.2		12	5	2	<1	<1	<1	
36	Otsutsumi (farm pond)	Narahamachi Town	Surface layer	2012/10/22	Cloudy	1.0	0.0	0.5	44	3	3	<1	<1	<1	Evacuation order lifting preparation areas
			Surface layer	2012/11/20	Sunny	0.9	0.0	0.5	228	3	3	<1	<1	<1	
37	Shimike (farm pond)	Narahamachi Town	Surface layer	2012/10/26	Sunny	0.8	0.0	0.8	15	4	3	<1	<1	<1	Evacuation order lifting preparation areas
			Surface layer	2012/11/15	Sunny	0.5	0.0	0.5	10	1	2	<1	<1	<1	
38	Kodama Dam Reservoir (Kodamako Lake)	Iwakashi City	Surface layer	2012/9/13	Sunny	53.9	0.5	2.4	7	<1	0	<1	<1	<1	Evacuation order lifting preparation areas
			Lower layer				52.9		8	4	2	<1	<1	<1	
			Surface layer	2012/10/18	Cloudy, partly rain	53.5	0.5	3.2	8	0	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				
39	Kanoritsumishita (farm pond)	Iwakashi City	Surface layer	2012/10/25	Sunny	0.5	0.0	0.5	72	5	5	<1	<1	<1	Evacuation order lifting preparation areas
			Surface layer	2012/11/19	Cloudy	0.1	0.0	0.1	47	8	3	<1	<1	<1	

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Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks	
No.	Point	Municipality				Sampling depth m	Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			
40	H a m a o r i  Takashiba Dam Reservoir (Takashibako Lake)	Iwakashi City	Surface layer	2012/9/13	Sunny	21.6	0.5	0.8	10	3	1	<1	<1	<1	
			Lower layer				20.6		16	25	9	<1	<1	<1	
			Surface layer	2012/10/18	Cloudy, partly rain	22.0	0.5	1.6	11	6	3	<1	<1	<1	
			Lower layer				21.0		22	76	49	<1	<1	<1	
			Surface layer	2012/11/8	Sunny	21.1	0.5	2.1	13	1	1	<1	<1	<1	
			Lower layer				20.1		13	3	3	<1	<1	<1	
41	Shitoki Dam Reservoir	Iwakashi City	Surface layer	2012/9/14	Sunny	34.4	33.4	1.6	6	<1	17	<1	<1	<1	
			Lower layer				32.4		14	52	19	<1	<1	<1	
			Surface layer	2012/10/19	Sunny	37.2	0.5	3.1	7	<1	1	<1	<1	<1	
			Lower layer				36.2		19	30	25	<1	<1	<1	
			Surface layer	2012/11/8	Sunny	35.8	0.5	1.6	8	1	2	<1	<1	<1	
			Lower layer				34.8		13	14	14	<1	<1	<1	
42	Surikamigawa Dam Reservoir	Fukushima City	Surface layer	2012/9/13	Sunny	69.0	0.5	2.6	5	<1	1	<1	<1	<1	
			Lower layer				68.0		6	<1	0	<1	<1	<1	
			Surface layer	2012/10/23	Rain	52.8	0.5	1.2	6	3	2	<1	<1	<1	
			Lower layer				51.8		13	87	66	<1	<1	<1	
			Surface layer	2012/11/12	Cloudy	2.7	0.5	2.0	6	<1	2	<1	<1	<1	
			Lower layer				2.7		6	<1	1	<1	<1	<1	
43	Handanuma Lake (farm pond)	Korimachi Town	Surface layer	2012/9/13	Sunny	0.3	0.0	0.3	12	<1	0	<1	<1	<1	
			Surface layer	2012/10/9	Sunny	0.3	0.0	0.3	14	4	3	<1	<1	<1	
44	Oike Pond (farm pond)	Motomiyashi City	Surface layer	2012/11/13	Sunny	0.2	0.0	0.2	14	3	3	<1	<1	<1	
			Surface layer	2012/10/9	Sunny	1.0	0.0	0.8	6	6	3	<1	<1	<1	
45	Miharu Dam	Miharamachi Town	Surface layer	2012/11/14	Sunny	0.5	0.0	0.5	8	4	4	<1	<1	<1	
			Surface layer	2012/10/16	Sunny	24.6	0.5	1.0	15	6	5	<1	<1	<1	
46	Hounokusa (farm pond)	Koriyamashi City	Surface layer	2012/11/20	Cloudy	24.0	0.5	1.4	23	100	88	<1	<1	<1	
			Lower layer				23.0		17	3	4	<1	<1	<1	
47	Hatoriko Lake	Tencimura Village	Surface layer	2012/10/16	Sunny	0.2	0.0	0.2	12	4	3	<1	<1	<1	
			Surface layer	2012/11/14	Sunny	0.5	0.0	0.4	12	9	11	<1	<1	<1	
48	Hirodaira (farm pond)	Stukagawashi City	Surface layer	2012/10/18	Cloudy	12.1	0.5	2.2	12	1	2	<1	<1	<1	
			Lower layer				11.1		19	2	3	<1	<1	<1	
49	Sengosawa Dam Reservoir	Ishikawamachi Town	Surface layer	2012/11/7	Sunny	12.1	0.5	2.3	6	2	2	<1	<1	<1	
			Lower layer				11.1		6	2	2	<1	<1	<1	
50	Watarinike Pond (farm pond)	Yabukimachi Town	Surface layer	2012/10/17	Sunny	1.0	0.0	1.0	17	3	3	<1	<1	<1	
			Surface layer	2012/11/16	Sunny	0.5	0.0	0.5	28	6	4	<1	<1	<1	
51	Izumikawa (farm pond)	Shirakawashi City	Surface layer	2012/10/17	Sunny	16.2	0.5	0.5	12	6	4	<1	<1	<1	
			Surface layer	2012/11/16	Sunny	0.7	0.0	0.7	32	5	6	<1	<1	<1	
52	Hokkawa Dam	Nishigomara Village	Surface layer	2012/10/17	Cloudy	31.5	0.5	5.2	30	9	8	<1	<1	<1	
			Lower layer				30.5		10	5	3	<1	<1	<1	
53	Nanko Lake	Shirakawashi City	Surface layer	2012/10/18	Cloudy	30.3	0.5	30.3	7	<1	1	<1	<1	<1	
			Lower layer				29.3		6	5	3	<1	<1	<1	
54	Nicchu Dam	Kitakatashi City	Surface layer	2012/10/16	Sunny	1.2	0.0	0.9	50	2	2	<1	<1	<1	
			Surface layer	2012/11/5	Sunny	1.4	0.0	0.6	54	3	3	<1	<1	<1	
			Surface layer	2012/9/13	Sunny	25.3	0.5	3.0	30	3	2	<1	<1	<1	
			Lower layer				24.3		112	140	83	<1	<1	<1	
			Surface layer	2012/10/11	Sunny	28.8	0.5	2.2	21	7	5	<1	<1	<1	
			Lower layer				27.8		63	17	13	<1	<1	<1	
55	Soharako Lake	Itashibaramura Village	Surface layer	2012/11/8	Rain	27.9	0.5	1.0	25	3	4	<1	<1	<1	
			Lower layer				26.9		94	30	69	<1	<1	<1	
			Surface layer	2012/10/3	Cloudy	6.6	0.5	1.9	4	1	1	<1	<1	<1	
			Lower layer				5.6		4	53	10	<1	<1	<1	
			Surface layer	2012/10/24	Sunny	6.7	0.5	1.9	4	1	1	<1	<1	<1	
			Lower layer				5.7		4	1	1	<1	<1	<1	
55	Soharako Lake	Itashibaramura Village	Surface layer	2012/11/21	Snow	3.6	0.5	2.1	5	<1	2	<1	<1	<1	
			Lower layer				2.6		5	30	10	<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		
56	Hiburako Lake	Surface layer	2012/10/3	Cloudy	22.2	0.5	3.3	6	<1	0	<1	<1	<1	
		Lower layer				21.2	8	27	10	<1	<1	<1		
		Surface layer	2012/10/26	Sunny	20.7	0.5	2.9	8	1	1	<1	<1	<1	
		Lower layer				19.7	7	18	10	<1	<1	<1		
Surface layer	2012/11/21	Cloudy	22.9	0.5	2.9	7	2	2	<1	<1	<1			
Lower layer				21.9	7	2	2	<1	<1	<1				
57	Onogawako Lake	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		
Surface layer	2012/11/20	Sleet	14.9	0.5	3.0	7	2	2	<1	<1	<1			
Lower layer				13.9	7	6	3	<1	<1	<1				
58	Akimoto Lake	Surface layer	2012/10/5	Sunny	31.0	0.5	2.2	6	<1	0	<1	<1	<1	
		Lower layer				30.0	5	7	3	<1	<1	<1		
		Surface layer	2012/10/24	Sunny	15.3	0.5	3.5	9	2	1	<1	<1	<1	
		Lower layer				14.3	7	3	2	<1	<1	<1		
Surface layer	2012/11/21	Sunny	18.3	0.5	2.9	6	2	2	<1	<1	<1			
Lower layer				17.3	6	44	18	<1	<1	<1				
59	Bishamonuma Lake	Surface layer	2012/10/4	Cloudy	7.7	0.5	6.1	1	<1	1	<1	<1	<1	
		Lower layer				6.7	4	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			
Surface layer	2012/11/21	Sunny	6.5	0.5	6.1	74	<1	1	<1	<1	<1			
Lower layer				5.5	75	6	2	<1	<1	<1				
60	Oguninuma Lake	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	3	10	8	<1	<1	<1	
		Lower layer				2.1	3	10	8	<1	<1	<1		
Surface layer	2012/11/21	Sunny	4.4	0.5	1.3	3	2	3	<1	<1	<1			
Lower layer				3.4	3	2	4	<1	<1	<1				
61	Onuma Lake (farm pond)	Surface layer	2012/10/11	Sunny	0.5	0.0	0.3	12	<1	1	<1	<1	<1	
		Surface layer	2012/11/16	Sunny	0.4	0.0	0.4	8	5	9	<1	<1	<1	
62	Center of the lake	Surface layer	2012/9/26	Sunny	94.0	0.5	14.2	12	<1	<0.1	<1	<1	<1	
		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	2012/9/25	Cloudy	0.8	0.0	0.8	23	<1	0	<1	<1	<1	
		Surface layer	2012/10/25	Sunny	0.9	0.0	0.9	13	<1	0	<1	<1	<1	
		Surface layer	2012/11/19	Sunny	1.4	0.0	1.4	24	<1	1	<1	<1	<1	
		Surface layer	2012/9/25	Cloudy	0.4	0.0	0.4	16	<1	0	<1	<1	<1	
64	Ogurogawa River Estuary	Surface layer	2012/10/25	Sunny	0.5	0.0	0.5	14	<1	0	<1	<1	<1	
		Surface layer	2012/11/19	Sunny	0.5	0.0	0.5	13	<1	0	<1	<1	<1	
		Surface layer	2012/9/25	Cloudy	1.2	0.0	1.2	13	<1	0	<1	<1	<1	
		Surface layer	2012/10/25	Sunny	1.3	0.0	1.3	13	<1	0	<1	<1	<1	
65	Tenjinhana Beach	Surface layer	2012/11/19	Sunny	1.4	0.0	1.4	13	<1	1	<1	<1	<1	
		Surface layer	2012/11/19	Sunny	1.4	0.0	1.4	13	<1	1	<1	<1	<1	
		Surface layer	2012/9/25	Cloudy	0.8	0.0	0.8	12	<1	0	<1	<1	<1	
		Surface layer	2012/10/25	Sunny	1.3	0.0	1.3	12	<1	0	<1	<1	<1	
66	Hishinmagawa River Estuary	Surface layer	2012/11/19	Sunny	1.2	0.0	1.2	13	<1	0	<1	<1	<1	
		Surface layer	2012/11/19	Sunny	1.2	0.0	1.2	13	<1	0	<1	<1	<1	
		Surface layer	2012/9/25	Cloudy	3.5	0.5	3.5	13	<1	0	<1	<1	<1	
		Lower layer	2.5	12	<1	0	<1	<1	<1					
67	Intake of Asakasouji	Surface layer	2012/10/25	Sunny	3.7	0.5	3.7	13	<1	0	<1	<1	<1	
		Lower layer				2.7	16	<1	0	<1	<1	<1		
		Surface layer	2012/11/19	Sunny	3.2	0.5	3.2	13	<1	0	<1	<1	<1	
		Lower layer				2.2	13	<1	0	<1	<1	<1		
68	Hamajihama Beach	Surface layer	2012/9/25	Cloudy	3.9	0.5	3.9	12	<1	0	<1	<1	<1	
		Lower layer				2.9	12	<1	0	<1	<1	<1		
		Surface layer	2012/10/23	Rain	3.1	0.5	3.1	14	<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			
Lower layer				3.8	13	<1	0	<1	<1	<1				

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 Cs-137				
69			I n a w a s h i r o k k o	Funatsu Port	Surface layer	2012/9/25	Cloudy	5.1	0.5	5.1	12	<1	0	<1	<1	<1
	Lower layer						4.1			12	<1	0	<1	<1		
	Surface layer	2012/10/23			Rain	5.0	0.5	5.0	14	<1	0	<1	<1	<1		
	Lower layer						4.0			14	<1	0	<1	<1		
70		Offshore of Funatsugawa River Estuary	Surface layer	2012/11/19	Sunny	5.6	0.5	5.6	13	<1	0	<1	<1	<1	New sampling point	
			Lower layer				4.6			13	<1	0	<1	<1		
			Surface layer	2012/9/25	Cloudy	1.4	0.5	1.4	12	<1	0	<1	<1	<1		
			Lower layer				0.0			13	<1	0	<1	<1		
71		Seishogahama Beach	Surface layer	2012/11/19	Sunny	2.4	0.5	2.4	11	<1	0	<1	<1	<1	New sampling point	
			Lower layer				1.4			12	<1	0	<1	<1		
			Surface layer	2012/9/25	Cloudy	5.3	0.5	5.3	12	<1	0	<1	<1	<1		
			Lower layer				4.3			12	<1	0	<1	<1		
72	L a k e	Haragawa River Estuary	Surface layer	2012/9/25	Cloudy	17.5	0.5	10.7	12	<1	0	<1	<1	<1	New sampling point	
			Lower layer				16.5			12	<1	0	<1	<1		
			Surface layer	2012/10/25	Sunny	12.9	0.5	12.5	12	<1	0	<1	<1	<1		
			Lower layer				11.9			12	<1	1	<1	<1		
73	c	Koishigahama Floodgate	Surface layer	2012/11/19	Sunny	15.5	0.5	15.5	13	<1	0	<1	<1	<1	New sampling point	
			Lower layer				14.5			13	<1	0	<1	<1		
			Surface layer	2012/9/25	Cloudy	4.4	0.5	4.4	12	<1	0	<1	<1	<1		
			Lower layer				3.4			12	<1	0	<1	<1		
74	A i z u	Higashiyama Dam Reservoir	Surface layer	2012/10/25	Sunny	29.5	0.5	2.3	5	3	1	<1	<1	<1	New sampling point	
			Lower layer				28.5			8	5	4	<1	<1		
			Surface layer	2012/11/14	Cloudy, partly rain	24.7	0.5	2.2	5	3	2	<1	<1	<1		
			Lower layer				23.7			7	4	4	<1	<1		
75		Numazawako Lake	Surface layer	2012/10/26	Cloudy, partly rain	92.0	0.5	13.5	6	<1	1	<1	<1	<1	New sampling point	
			Lower layer				91.0			9	3	3	<1	<1		
			Surface layer	2012/11/13	Sunny	91.8	0.5	9.0	6	<1	1	<1	<1	<1		
			Lower layer				90.8			10	1	2	<1	<1		
76		Terairi (farm pond)	Surface layer	2012/10/24	Cloudy	0.4	0.0	0.4	8	2	3	<1	<1	<1	New sampling point	
			Lower layer				0.5			8	3	3	<1	<1		
77		Okawa Dam Reservoir	Surface layer	2012/11/15	Sunny	6.1	0.5	3.1	9	2	2	<1	<1	<1	New sampling point	
			Lower layer				5.1			9	1	1	<1	<1		
			Surface layer	2012/10/25	Sunny	6.1	0.5	3.1	9	2	2	<1	<1	<1		
			Lower layer				5.1			9	3	2	<1	<1		
78		Tagokura Reservoir	Surface layer	2012/11/12	Cloudy	14.2	0.5	1.8	4	2	3	<1	<1	<1	Unable to collect samples due to low water level	
			Lower layer				13.2			4	2	3	<1	<1		
			Surface layer	2012/10/23	Rain	0.2	0.0	0.1	2	31	34	<1	<1	<1		
			Lower layer				0.5			4	2	3	<1	<1		
79		Fukui (farm pond)	Surface layer	2012/11/12	Rain	0.5	0.0	0.5	4	2	3	<1	<1	<1	New sampling point	
			Lower layer				0.5			4	2	3	<1	<1		
			Surface layer	2012/10/24	Cloudy	9.1	0.5	3.1	4	2	1	<1	<1	<1		
			Lower layer				8.1			5	6	2	<1	<1		
80		Tajima Dam Reservoir (Funchanako Lake)	Surface layer	2012/11/14	Sunny	11.2	0.5	3.3	4	<1	1	<1	<1	<1	New sampling point	
			Lower layer				10.2			4	1	1	<1	<1		
			Surface layer	2012/10/23	Rain	13.3	0.5	4.3	5	2	1	<1	<1	<1		
			Lower layer				12.3			5	2	1	<1	<1		
81		Okutadami Reservoir	Surface layer	2012/11/13	Sunny	0.8	0.0	0.8	4	<1	0	<1	<1	<1	New sampling point	
			Lower layer				0.5			4	<1	0	<1	<1		
			Surface layer	2012/9/27	Sunny	7.2	0.5	3.5	4	<1	1	<1	<1	<1		
			Lower layer				6.2			4	<1	1	<1	<1		
82		Ozenuma Lake	Surface layer	2012/10/9	Sunny	7.3	0.5	2.8	5	<1	1	<1	<1	<1	New sampling point	
			Lower layer				6.3			4	3	1	<1	<1		
			Surface layer							5	2	1	<1	<1		
			Lower layer							4	3	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	
No.	Point	Municipality				General items			Concentration of radioactive material Bq/kg (dried mud)							Property	Concentration of radioactive material Bq/kg (dry)						Air dose $\mu$ Sv/h
						Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137			Total	Radioactive iodine I-131		Cs-134	Radioactive cesium Cs-137		Total			
A i z u	Numazawako Lake	Kaneyamachi Town	2012/10/26	Cloudy, partly rain	92.0	20	45	Silt	<30	25	110	138	Loamy	<30	470	790	1,260	0.14					
			2012/11/13	Sunny	91.8	20	39	Silt	<30	810	1,400	2,210	Loamy/sandy	<30	88	140	228	0.13					
	Terani (farm pond)	Aizumisatomachi Town	2012/10/24	Cloudy	0.4	3	61	Silt/sand/gravel	<30	710	1,200	1,910	Loamy	<30	170	310	480	0.11					
			2012/11/15	Sunny	0.5	3	58	Silt	<30	1,200	2,000	3,200	Loamy	<30	150	290	400	0.11					
	Okawa Dam Reservoir	Aizuwakamatsuchi City	2012/10/25	Sunny	6.1	10	49	Silt	<30	220	390	610	Loamy	<30	95	150	245	0.09					
			2012/11/15	Cloudy	6.2	3	51	Sand/silt	<30	82	160	242	Loamy	<30	190	330	520	0.09					
	Tagokura Reservoir	Tadamimachi Town	2012/10/23	Rain	-	-	-	-	-	-	-	-	Loamy	<30	<10	51	51	0.12					
			2012/11/12	Cloudy	14.2	-	-	-	-	-	-	-	-	Loamy/sandy	<30	<10	55	55	0.09				
	Fukai (farm pond)	Tadamimachi Town	2012/10/23	Rain	0.2	3	61	Sand/silt	<30	110	160	270	Loamy	<30	21	33	54	0.12					
			2012/11/12	Rain	0.5	6	90	Sand	<30	<10	<10	0	Loamy	<30	12	30	42	0.12					
	Tajima Dam Reservoir (Funchanako Lake)	Minamiazumachi Town	2012/10/24	Cloudy	9.1	5	37	Silt	<30	90	180	270	Loamy	<30	35	63	98	0.06					
			2012/11/14	Sunny	11.2	20	31	Silt	<30	250	450	700	Loamy/sandy	<30	23	45	68	0.06					
Okutadami Reservoir	Tadamimachi Town	2012/10/23	Rain	13.3	7	57	Silt	<30	70	120	190	Leaf mold	<30	180	320	500	0.06						
		2012/11/13	Sunny	0.8	-	-	-	-	-	-	-	Leaf mold	<30	200	340	540	0.05						
Ozenuma Lake	Hinoematamura Village	2012/9/27	Sunny	7.2	10	18	Silt	<30	150	280	430	Loamy	<30	340	570	910	0.11						
		2012/10/9	Sunny	7.3	5	20	Silt	<30	<10	34	34	Loamy	<30	440	720	1,160	0.15						

\* Air dose was measured with a survey meter, TCS-171 or TCS-172 of Hitachi-Akiba Medical, Ltd.  
 \* Sampling points are listed from north to south.

OSea Area: Water Quality Monitoring Results

Sampling point		Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks		
No.	Water body				Sampling depth m	Secchi disk depth m	Salinity ‰	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137			
1	Neighboring sea area of Soso Approx. 2,000 m offshore of Tsunohihama Fishing Port	Surface layer	2012/9/18	Sunny	13.8	0.5	6.5	32	2	2	<1	<1	<1		
		Lower layer				12.8		32	4	2	<1	<1	<1		
		Surface layer	2012/10/17	Sunny	15.0	0.5	4.5	32	4	1	<1	<1	<1		
		Lower layer				14.0	33	3	1	<1	<1	<1			
		Surface layer	2012/11/22	Cloudy	15.0	0.5	4.3	33	6	2	<1	<1	<1		
		Lower layer				14.0	33	5	1	<1	<1	<1			
2	Matsukawaura sea area Around center of Fishing Right Area-1	Surface layer	2012/9/21	Cloudy	1.5	0.0	1.5	31	3	2	<1	<1	<1		
		Lower layer				0.5	32	4	2	<1	<1	<1			
		Surface layer	2012/11/11	Sunny	1.8	0.5	1.8	26	3	2	<1	<1	<1		
		Lower layer				0.8	33	10	5	<1	<1	<1			
		Surface layer	2012/11/27	Sunny	2.0	0.5	2.0	32	5	2	<1	<1	<1		
		Lower layer				1.0	32	6	2	<1	<1	<1			
3	Neighboring sea area of Soso Approx. 2,000 m offshore of Manogawa River	Surface layer	2012/9/20	Sunny	18.0	0.5	8.5	32	3	2	<1	<1	<1		
		Lower layer				17.0	32	4	2	<1	<1	<1			
		Surface layer	2012/10/16	Sunny	15.3	0.5	6.0	33	4	1	<1	<1	<1		
		Lower layer				14.3	33	3	1	<1	<1	<1			
		Surface layer	2012/11/26	Cloudy	18.0	0.5	5.5	30	4	1	<1	<1	<1		
		Lower layer				17.0	33	5	1	<1	<1	<1			
4	Neighboring sea area of Haramachi City Niadagawa River沖約1000m附近	Surface layer	2012/9/19	Cloudy	5.3	0.5	2.5	32	7	1	<1	<1	<1		
		Lower layer				4.3	32	4	1	<1	<1	<1			
		Surface layer	2012/10/30	Cloudy	10.0	0.5	4.5	33	10	3	<1	<1	<1		
		Lower layer				9.0	33	11	3	<1	<1	<1			
		Surface layer	2012/11/29	Cloudy	16.0	0.5	3.5	33	6	2	<1	<1	<1		
		Lower layer				15.0	34	7	2	<1	<1	<1			
5	Neighboring sea area of Haramachi City Approx. 1,000 m offshore of Otogawa River	Surface layer	2012/10/10	Sunny	7.0	0.5	5.0	31	5	3	<1	<1	<1		
		Lower layer				6.0	36	6	3	<1	<1	<1			
		Surface layer	2012/11/20	Sunny	8.5	0.5	2.4	32	11	3	<1	<1	<1		
		Lower layer				7.5	33	11	4	<1	<1	<1			
		6	Neighboring sea area of Soso District Approx. 1,000 m offshore of Odakagawa River	Surface layer	2012/11/7	Sunny	10.0	0.5	3.3	32	7	3	<1	<1	<1
				Lower layer				9.0	33	8	3	<1	<1	<1	
Surface layer	2012/11/28			Sunny	10.6	0.5	2.4	31	9	2	<1	<1	<1		
Lower layer						9.6	32	10	3	<1	<1	<1			
7	Neighboring sea area of Narahamachi Town Approx. 1,000 m offshore of Kidagawa River			Surface layer	2012/11/13	Cloudy	11.0	0.5	1.8	34	7	3	<1	<1	<1
				Lower layer				10.0	35	7	3	<1	<1	<1	
		Surface layer	2012/11/30	Cloudy	9.0	0.5	6.0	31	6	2	<1	<1	<1		
		Lower layer				8.0	33	7	2	<1	<1	<1			
		8	Approx. 1,000 m offshore of Asamigawa River estuary	Surface layer	2012/9/14	Sunny	9.0	0.5	7.0	32	<1	1	<1	<1	<1
				Lower layer				8.0	31	3	1	<1	<1	<1	
Surface layer	2012/10/25			Sunny	11.0	0.5	6.0	33	4	0	<1	<1	<1		
Lower layer						10.0	34	7	2	<1	<1	<1			
Surface layer	2012/11/30			Cloudy	11.1	0.5	3.4	32	7	2	<1	<1	<1		
Lower layer						10.1	33	7	2	<1	<1	<1			
9	Approx. 1,000 m offshore of Ohisagawa River Estuary	Surface layer	2012/9/14	Sunny	10.0	0.5	9.5	31	3	1	<1	<1	<1		
		Lower layer				9.0	31	5	2	<1	<1	<1			
		Surface layer	2012/10/25	Sunny	11.0	0.5	5.0	34	6	1	<1	<1	<1		
		Lower layer				10.0	36	5	2	<1	<1	<1			
		Surface layer	2012/11/30	Cloudy	12.5	0.5	3.6	31	7	2	<1	<1	<1		
		Lower layer				11.5	34	8	2	<1	<1	<1			
10	Neighboring sea area of Iwakishi City Approx. 1,500 m offshore of Natsugawa River	Surface layer	2012/9/14	Sunny	16.5	0.5	9.5	32	2	0	<1	<1	<1		
		Lower layer				15.5	31	4	1	<1	<1	<1			
		Surface layer	2012/10/25	Sunny	18.0	0.5	4.0	33	4	1	<1	<1	<1		
		Lower layer				17.0	34	5	1	<1	<1	<1			
		Surface layer	2012/11/19	Cloudy	14.5	0.5	5.5	33	5	1	<1	<1	<1		
		Lower layer				13.5	33	8	2	<1	<1	<1			
11	Onahama Port Approx. 400 m north of Nishibouhatei No. 2	Surface layer	2012/9/15	Cloudy	14.5	0.5	3.2	26	5	2	<1	<1	<1		
		Lower layer				13.5	32	4	1	<1	<1	<1			
		Surface layer	2012/10/26	Cloudy	6.0	0.5	5.0	33	5	2	<1	<1	<1		
		Lower layer				5.0	34	4	1	<1	<1	<1			
		Surface layer	2012/11/19	Cloudy	16.2	0.5	1.9	32	9	4	<1	<1	<1		
		Lower layer				15.2	33	11	5	<1	<1	<1			
12	Joban coastal sea area Approx. 1,000 m offshore of Bindagawa River	Surface layer	2012/9/15	Cloudy	16.5	0.5	10.0	28	3	2	<1	<1	<1		
		Lower layer				15.5	32	4	1	<1	<1	<1			
		Surface layer	2012/10/26	Cloudy	18.0	0.5	6.2	34	3	1	<1	<1	<1		
		Lower layer				17.0	34	3	1	<1	<1	<1			
		Surface layer	2012/11/19	Cloudy	14.0	0.5	4.0	31	5	1	<1	<1	<1		
		Lower layer				13.0	33	5	1	<1	<1	<1			

Osea Area: Sediment Monitoring Result

Sampling point		Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)				Remarks
No.	Water body				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium		Total	
							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	5	85	Sand	<30	<10	<11	<11	
		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	1.3	10	84	Sand	<30	35	55	90	
		2012/1/11	Sunny	1.8	5	84	Sand	<30	38	67	105	
		2012/11/27	Sunny	2.0	5	83	Sand	<30	49	74	123	
3	Neighboring sea area of Soso Approx. 2,000 m offshore of Manogawa River	2012/9/20	Sunny	18.0	5	77	Sand	<30	120	180	300	
		2012/10/16	Sunny	15.3	3	87	Sand	<30	14	22	36	
		2012/11/26	Cloudy	18.0	5	82	Sand	<30	43	88	131	
4	Neighboring sea area of Haramachi City Niidagawa River沖約1000m附近	2012/9/19	Cloudy	5.3	3	82	Sand	<30	180	290	470	
		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	
5	Neighboring sea area of Haramachi City Approx. 1,000 m offshore of Otogawa River	2012/10/10	Sunny	7.0	3	86	Sand	<30	11	23	34	
		2012/11/20	Sunny	8.5	3	89	Sand	<30	13	35	48	New sampling point
		2012/11/7	Sunny	10.0	3	84	Sand	<30	32	56	88	New sampling point
6	Neighboring sea area of Soso District Approx. 1,000 m offshore of Odakagawa River	2012/11/28	Sunny	10.6	5	83	Sand	<30	45	82	127	
		2012/11/13	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
7	Neighboring sea area of Narahamachi Town Approx. 1,000 m offshore of Kidogawa River	2012/9/14	Sunny	9.0	5	89	Sand	<30	120	190	310	
		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	
8	Approx. 1,000 m offshore of Asamigawa River estuary	2012/9/14	Sunny	10.0	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	
9	Approx. 1,000 m offshore of Ohisagawa River Estuary	2012/9/14	Sunny	16.5	5	84	Sand	<30	43	70	113	
		2012/10/25	Sunny	18.0	3	85	Sand	<30	53	80	133	
		2012/11/09	Cloudy	14.5	5	88	Sand	<30	28	46	74	
10	Neighboring sea area of Iwakishi City Approx. 1,500 m offshore of Natsugawa River	2012/9/15	Cloudy	14.5	10	58	Sludge	<30	110	170	280	
		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	
11	Onahama Port Approx. 400 m north of Nishibouhatei No. 2	2012/9/13	Cloudy	16.5	10	76	Sand	<30	99	150	249	
		2012/10/26	Cloudy	18.0	5	82	Sand	<30	73	120	193	
		2012/11/09	Cloudy	14.0	3	83	Sand	<30	67	100	167	
12	Joban coastal sea area Approx. 1,000 m offshore of Bindagawa River	2012/9/13	Cloudy	16.5	10	76	Sand	<30	99	150	249	
		2012/10/26	Cloudy	18.0	5	82	Sand	<30	73	120	193	
		2012/11/09	Cloudy	14.0	3	83	Sand	<30	67	100	167	

\* Sampling points are listed from north to south.



