

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

<Simultaneously released to the Fukushima Prefecture Press Club>

Thursday, October 11, 2012
Water Environment Division,
Environment Management Bureau,
Ministry of the Environment
Direct line: 03-5521-8316
Switchboard: 03-3581-3351
Director: Tadashi Kitamura (ext. 6610)
Deputy Director: Tetsuo Furuta (ext. 6614)
Coordinator: Katsuhiko Sato (ext. 6628)

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

Samples taken from the surface water bodies of Fukushima Prefecture during the period of July 3-September 6, 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

193 environmental reference points, etc. in the surface water bodies within Fukushima Prefecture
(Rivers: 123 locations, Lakes and headwaters: 61 locations, Coasts: 9 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 (* and ** denote the results of the previous surveys (*April-June 2012, **February-March 2012))

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

(Rivers)

Cs-134: Not detectable (ND)-2Bq/L

Cs-137: ND-3Bq/L

(*Cs-134: ND-1Bq/L)

(*Cs-137: ND-2Bq/L)

(Lakes and headwaters)

Cs-134: ND-2Bq/L

Cs-137: ND-3Bq/L

(**Cs-134, Cs-137: ND-1Bq/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))

(Rivers)

Cs-134: ND-24,000Bq/kg (dried mud)

Cs-137: ND-37,000Bq/kg (dried mud)

(*Cs-134: ND-65,000Bq/kg) (dried mud)

(*Cs-137: ND-100,000Bq/kg) (dried mud)

(Lakes and headwaters)

Cs-134: ND-35,000Bq/kg (dried mud)

Cs-137: ND-61,000Bq/kg (dried mud)

(*Cs-134: ND-110,000Bq/kg) (dried mud)

(*Cs-137: 17-150,000Bq/kg) (dried mud)

(Coasts)

Cs-134: 15-230Bq/kg (dried mud)

Cs-137: 23-360Bq/kg (dried mud)

(*Cs-134: ND-200Bq/kg) (dried mud)

(*Cs-137: ND-280Bq/kg) (dried mud)

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

(Rivers)

Cs-134: ND-31,000Bq/kg (dry)

Cs-137: ND-51,000Bq/kg (dry)

(* Cs-134: ND-44,000Bq/kg (dry))

(* Cs-137: ND-69,000Bq/kg (dry))

Spatial dose: 0.06-11.90 μ Sv/h

(Lakes and headwaters)

Cs-134: 12-47,000Bq/kg (dry)

Cs-137: 22-74,000Bq/kg (dry)

(**Cs-134: 130-88,000Bq/kg (dry))

(**Cs-137: 160-120,000Bq/kg (dry))

Spatial dose: 0.06-18.54 μ Sv/h

(Annex for details)

(Map attached)

Future Plans

In coordination with relevant organizations, MOE intends to continue to measure radioactive materials in water, sediment, etc. in rivers, lakes, etc. in Fukushima Prefecture, its neighboring prefectures, etc.

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

Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
No.	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2012/7/19	Cloudy	0.8	0.0	56	2	4	3	<1	<1	<1	
				2012/8/31	Sunny	2.0	0.0	79	3	2	<1	<1	<1		
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2012/7/19	Cloudy	0.5	0.0	>100	18	4	2	<1	<1	<1	
				2012/8/27	Sunny	2.0	0.0	>100	19	3	1	<1	<1	<1	
3	Udagawa River	Hyakkenbashi Bridge	Somashi City	2012/7/19	Cloudy	0.3	0.0	40	2	6	1	<1	<1	<1	
				2012/8/27	Sunny	1.5	0.0	30	4	6	3	<1	<1	<1	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2012/7/19	Cloudy	0.4	0.0	>100	9	<1	1	<1	<1	<1	
				2012/8/27	Sunny	2.0	0.0	>100	11	<1	1	<1	<1	<1	
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2012/7/19	Cloudy	0.7	0.0	>100	0	<1	1	<1	<1	<1	
				2012/8/27	Sunny	1.0	0.0	59	2	2	1	<1	<1	<1	
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2012/7/19	Cloudy	0.4	0.0	>100	13	<1	1	<1	<1	<1	
				2012/8/21	Sunny	0.5	0.0	>100	12	<1	1	<1	<1	<1	Former evacuation-prepared areas in case of emergency
7	Manogawa River	Majimabashi Bridge	Minamisomashi City	2012/7/5	Cloudy	0.3	0.0	>100	1,449	14	3	<1	<1	<1	
				2012/8/21	Sunny	0.2	0.0	47	1,349	5	2	<1	<1	<1	
8	Nidagawa River	Kusano	Itatemura Village	2012/7/3	Cloudy	0.7	0.0	>100	6	4	2	<1	<1	<1	
				2012/8/7	Sunny	0.5	0.0	>100	7	2	1	<1	<1	<1	Living-restricted areas
9	Nidagawa River	Komiya	Itatemura Village	2012/7/3	Cloudy	0.5	0.0	>100	7	3	1	<1	<1	<1	
				2012/8/8	Sunny	0.5	0.0	>100	7	2	1	<1	<1	<1	
10	Nidagawa River	Kidouchibashi Bridge	Itatemura Village	2012/7/3	Cloudy	1.8	0.0	>100	7	2	1	<1	<1	<1	
				2012/7/24	Cloudy	1.3	0.0	13	6	26	1	<1	<1	<1	
11	Nidagawa River	Sakakawabashi Bridge	Itatemura Village	2012/8/21	Sunny	0.5	0.0	>100	7	1	1	<1	<1	<1	
				2012/7/3	Cloudy	0.8	0.0	>100	11	7	2	<1	<1	<1	
12	Nidagawa River	Ishiwatadobashi Bridge	Itatemura Village	2012/7/24	Cloudy	0.6	0.0	>100	20	10	3	<1	<1	<1	
				2012/8/21	Sunny	0.6	0.0	>100	118	1	1	<1	<1	<1	
13	Nidagawa River	Kaminouchibashi Bridge	Itatemura Village	2012/7/4	Sunny	1.0	0.0	>100	4	1	1	<1	<1	<1	
				2012/7/25	Cloudy	0.3	0.0	>100	5	<1	0	<1	<1	<1	Former evacuation-prepared areas in case of emergency
14	Otogawa River	Masudabashi Bridge	Minamisomashi City	2012/8/22	Sunny	0.5	0.0	>100	6	<1	0	<1	<1	<1	
				2012/7/4	Sunny	1.2	0.0	94	4	3	1	<1	<1	<1	
15	Otogawa River	JR Tetsudobashi Bridge	Minamisomashi City	2012/7/25	Cloudy	1.2	0.0	>100	5	<1	0	<1	<1	<1	
				2012/8/22	Sunny	0.4	0.0	>100	6	<1	1	<1	<1	<1	
16	Otogawa River	Maruyamabashi Bridge	Minamisomashi City	2012/7/4	Sunny	1.0	0.0	>100	53	1	1	<1	<1	<1	
				2012/7/24	Rain	1.0	0.0	40	5	<1	0	<1	<1	<1	
17	Odakagawa River	Shimokawarabashi Bridge	Minamisomashi City	2012/8/22	Sunny	0.8	0.0	>100	7	1	1	<1	<1	<1	
				2012/7/3	Cloudy	1.0	0.0	91	5	4	1	<1	<1	<1	
18	Odakagawa River	Zenchobashi Bridge	Minamisomashi City	2012/7/24	Sunny	0.5	0.0	>100	5	1	1	<1	<1	<1	
				2012/8/22	Sunny	0.4	0.0	>100	83	1	1	<1	<1	<1	
19	Odakagawa River	Hatsukarabashi Bridge	Minamisomashi City	2012/7/3	Cloudy	1.0	0.0	>100	44	3	2	<1	1	2	
				2012/7/24	Cloudy	0.2	0.0	70	9	4	2	<1	<1	<1	
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2012/8/21	Cloudy	0.5	0.0	>100	4,720	3	2	<1	<1	<1	
				2012/7/5	Cloudy	0.2	0.0	>100	9	<1	1	<1	<1	<1	
21	Ukedogawa River	Ukedobashi Bridge	Namiemachi Town	2012/8/23	Sunny	0.3	0.0	>100	10	<1	0	<1	<1	<1	Evacuation order lifting preparation areas
				2012/7/5	Cloudy	0.3	0.0	>100	14	1	1	<1	<1	<1	
22	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichishitadaira)	Tamarashi City	2012/8/23	Sunny	0.7	0.0	>100	13	2	1	<1	<1	<1	
				2012/7/4	Sunny	0.8	0.0	>100	4	3	1	<1	<1	<1	
23	Furumichigawa River	Ukedobashi Bridge	Namiemachi Town	2012/7/25	Cloudy	0.5	0.0	>100	49	2	4	<1	<1	<1	
				2012/8/22	Sunny	0.7	0.0	>100	4,690	3	2	<1	<1	<1	
24	Furumichigawa River	Ukedobashi Bridge	Namiemachi Town	2012/7/3	Cloudy	1.0	0.0	>100	5	1	1	<1	<1	<1	
				2012/7/26	Cloudy	0.4	0.0	>100	6	<1	1	<1	<1	<1	
25	Furumichigawa River	Ukedobashi Bridge	Namiemachi Town	2012/8/28	Sunny	0.4	0.0	>100	6	<1	0	<1	<1	1	Restricted areas
				2012/7/3	Cloudy	0.3	0.0	93	12	2	1	<1	<1	<1	
26	Furumichigawa River	Ukedobashi Bridge	Namiemachi Town	2012/7/26	Cloudy	0.4	0.0	>100	16	<1	1	<1	<1	<1	
				2012/8/28	Sunny	0.5	0.0	43	10	5	2	<1	<1	<1	1
27	Furumichigawa River	Ukedobashi Bridge	Namiemachi Town	2012/7/3	Sunny	0.3	0.0	>100	8	2	2	<1	<1	<1	Evacuation order lifting preparation areas
				2012/7/26	Sunny	0.4	0.0	24	8	11	3	<1	<1	<1	

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

Sampling point				Sampling date	Weather	Full depth m	General items				Concentration of radioactive material Bq/L			Remarks
No.	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/7/3	Cloudy	0.2	0.0	63	6	<1	1	<1	<1	<1
				2012/7/26	Cloudy	0.3	0.0	88	6	<1	1	<1	<1	<1
24	Maedagawa River	National Route 6, west Nakahamabashi Bridge	Futabamachi Town Namiemachi Town	2012/7/4	Sunny	0.2	0.0	93	10	3	2	<1	<1	1
				2012/7/3	Cloudy	1.6	0.0	92	20	4	3	<1	<1	<1
25	Maedagawa River	Nakahamabashi Bridge	Namiemachi Town	2012/7/26	Sunny	0.3	0.0	>100	23	3	2	<1	<1	<1
				2012/8/28	Sunny	1.6	0.0	69	141	2	2	<1	<1	<1
26	Kumagawa River	National Route 6, west Mikumabashi Bridge	Okumamachi Town	2012/7/5	Sunny	0.5	0.0	75	7	2	1	<1	<1	<1
				2012/7/5	Cloudy	0.2	0.0	54	8	14	1	<1	<1	<1
28		Nabekurabashi Bridge	Kawauchimura Village	2012/8/30	Sunny	0.2	0.0	>100	6	<1	0	<1	<1	<1
29		Sakaigawabashi Bridge	Kawauchimura Village	2012/8/29	Sunny	0.3	0.0	>100	6	2	1	<1	<1	<1
30	Tomiokagawa River	National Route 6, west Kobamabashi Bridge	Tomiokamachi Town	2012/7/3	Cloudy	0.4	0.0	69	7	<1	1	<1	<1	<1
				2012/7/3	Cloudy	0.4	0.0	73	80	1	1	<1	<1	<1
32	Idegawa River	Motogawabashi Bridge	Narahamachi Town	2012/7/3	Cloudy	0.2	0.0	>100	7	<1	1	<1	<1	<1
				2012/8/23	Sunny	0.5	0.0	>100	8	<1	1	<1	<1	<1
33	Kawauchigawa River	Before the confluence with Kidogawa River (Futamabashi Bridge)	Kawauchimura Village	2012/8/30	Sunny	0.2	0.0	>100	4	1	0	<1	<1	<1
34	Kidogawa River	Nishiyamabashi Bridge Nagatorobashi Bridge	Narahamachi Town	2012/7/3	Cloudy	0.8	0.0	84	4	1	1	<1	<1	<1
				2012/7/3	Cloudy	0.3	0.0	>100	7	<1	0	<1	<1	<1
35	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/8/23	Sunny	0.4	0.0	>100	9	<1	0	<1	<1	<1
				2012/7/3	Cloudy	0.2	0.0	>100	5	<1	1	<1	<1	<1
36	Kidogawa River	Kidokawabashi Bridge	Narahamachi Town	2012/8/23	Sunny	0.3	0.0	>100	6	1	1	<1	<1	<1
				2012/7/10	Sunny	0.5	0.0	>100	7	<1	1	<1	<1	<1
37	Asumigawa River	Bodabashi Bridge	Hironomachi Town	2012/7/10	Sunny	0.5	0.0	>100	7	<1	1	<1	<1	<1
				2012/8/23	Sunny	0.2	0.0	>100	9	<1	1	<1	<1	<1
38	Ohsagawa River	Kageisobashi Bridge	Iwakishi City	2012/7/10	Cloudy	0.6	0.0	73	65	5	2	<1	<1	<1
				2012/9/4	Sunny	0.1	0.0	52	285	6	1	<1	<1	<1
39	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2012/7/10	Sunny	0.5	0.0	>100	4	4	2	<1	<1	<1
				2012/9/4	Sunny	0.3	0.0	>100	50	2	1	<1	<1	<1
40	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2012/7/10	Sunny	0.4	0.0	57	2	4	2	<1	<1	<1
				2012/9/4	Sunny	0.5	0.0	72	22	3	1	<1	<1	<1
41	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2012/7/10	Sunny	0.4	0.0	74	31	4	3	<1	<1	<1
				2012/9/4	Sunny	0.2	0.0	17	413	7	3	<1	<1	<1
42	Natsugawa River	Kitanoichibashi Bridge	Onomachi Town	2012/7/12	Rain	0.4	0.0	50	1	25	4	<1	<1	<1
				2012/8/24	Sunny	0.6	0.0	>100	14	3	1	<1	<1	<1
43	Natsugawa River	Kyudayubashi Bridge	Iwakishi City	2012/7/10	Sunny	0.3	0.0	65	9	17	3	<1	<1	<1
				2012/9/5	Sunny	0.6	0.0	4	97	140	43	<1	<1	<1
44	Natsugawa River	Rokujumabashi Bridge	Iwakishi City	2012/7/10	Sunny	0.3	0.0	39	2	8	2	<1	<1	<1
				2012/9/5	Sunny	0.4	0.0	9	13	50	22	<1	<1	<1
45	Yoshimaga River	Iwaanatsuribashi Bridge	Iwakishi City	2012/7/11	Sunny	0.6	0.0	>100	9	1	1	<1	<1	<1
				2012/9/5	Sunny	0.2	0.0	91	10	2	1	<1	<1	<1
46	Yoshimaga River	Before the confluence with Natsugawa River	Iwakishi City	2012/7/11	Sunny	0.5	0.0	>100	17	2	1	<1	<1	<1
				2012/9/5	Sunny	0.2	0.0	65	17	6	2	<1	<1	<1
47	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2012/7/11	Sunny	0.3	0.0	50	10	9	4	<1	<1	<1
				2012/9/5	Sunny	0.3	0.0	38	21	10	4	<1	<1	<1
48	Fujiwaragawa River	Mmatohashi Bridge	Iwakishi City	2012/7/11	Sunny	0.4	0.0	21	103	8	2	<1	<1	<1
				2012/9/6	Sunny	1.0	0.0	45	1,346	6	3	<1	<1	<1
49	Samegawa River	Idosawabashi Bridge	Iwakishi City	2012/7/9	Sunny	1.0	0.0	59	21	5	3	<1	<1	<1
				2012/9/3	Sunny	0.4	0.0	52	10	3	2	<1	<1	<1
50	Samegawa River	Samegawabashi Bridge	Iwakishi City	2012/7/11	Sunny	0.5	0.0	60	4	3	2	<1	<1	<1
				2012/9/3	Sunny	0.4	0.0	72	95	2	1	<1	<1	<1
51	Shutokigawa River	Komurobashi Bridge	Iwakishi City	2012/7/9	Sunny	1.0	0.0	>100	12	4	1	<1	<1	<1
				2012/9/3	Cloudy	0.4	0.0	80	6	3	1	<1	<1	<1
52	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/13	Cloudy	0.3	0.0	40	2	10	4	<1	<1	<1
				2012/9/6	Sunny	0.2	0.0	67	25	4	1	<1	<1	<1
53	Bindagawa River	Bindabashi Bridge	Iwakishi City	2012/7/13	Cloudy	0.5	0.0	29	10	8	4	<1	<1	<1
				2012/9/6	Sunny	0.5	0.0	70	199	2	1	<1	<1	<1

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

ORiver (Fukushima Prefecture, Hamadori Area) : 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		
1	Jizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2012/7/19	Cloudy	0.8	5	87	Sand	<30	21	33	
				2012/8/31	Sunny	2.0	3	67	Sand	<30	370	570	
				2012/7/19	Cloudy	0.5	5	76	Sand/silt	<30	170	290	
2	Koizumigawa River	Koizumbashi Bridge	Sonashi City	2012/8/27	Sunny	2.0	5	71	Sand	<30	55	87	
				2012/7/19	Cloudy	0.3	5	82	Sand	<30	90	150	
				2012/8/27	Sunny	1.5	3	74	Sand	<30	340	580	
3	Hyakkenbashi Bridge	Hyakkenbashi Bridge	Sonashi City	2012/7/19	Cloudy	0.4	5	92	Sand	<30	310	490	
				2012/8/27	Sunny	2.0	5	89	Sand	<30	270	440	
				2012/7/19	Cloudy	0.7	5	96	Gravel/sand	<30	22	33	
4	Udagawa River	Horisakabashi Bridge	Sonashi City	2012/8/27	Sunny	1.0	3	84	Sand	<30	54	89	
				2012/7/19	Cloudy	0.4	5	93	Sand	<30	120	190	
				2012/8/21	Sunny	0.5	3	93	Sand/gravel	<30	180	280	Evacuation-prepared areas in case of emergency
2012/7/7	Cloudy	0.3	5	38	Silt	<31	6,200	9,700					
2012/8/21	Sunny	0.2	7	92	Sand	<30	100	180					
8	Niidagawa River	Kusano	Iitatemura Village	2012/7/3	Cloudy	0.7	3	89	Sand	<30	1,900	2,900	
				2012/8/7	Sunny	0.5	3	93	Sand	<30	300	470	Living-restricted areas
				2012/7/3	Cloudy	0.5	5	85	Sand	<30	3,100	4,800	
9	Niidagawa River	Komiya	Iitatemura Village	2012/8/8	Sunny	0.5	5	88	Sand	<30	2,100	3,300	
				2012/7/3	Cloudy	1.8	5	91	Gravel/sand	<30	850	1,400	
				2012/7/24	Cloudy	1.3	3	92	Sand	<30	1,000	1,600	
10	Niidagawa River	Kidouchibashi Bridge	Iitatemura Village	2012/8/21	Sunny	0.5	6	90	Sand	<30	1,100	1,700	
				2012/7/3	Cloudy	0.8	5	71	Silt/sand	<30	1,300	2,000	
				2012/7/24	Cloudy	0.6	3	77	Sand	<30	1,300	2,100	
11	Niidagawa River	Sakckawabashi Bridge	Iitatemura Village	2012/8/21	Sunny	0.6	3	80	Silt/sand	<30	2,400	3,900	
				2012/7/4	Sunny	1.0	5	65	Silt/sand	<67	24,000	37,000	
				2012/7/25	Cloudy	0.3	3	93	Sand	<30	5,400	8,700	
12	Otagawa River	Ihiwatadobashi Bridge	Minamisomashi City	2012/8/22	Sunny	0.5	8	91	Sand	<30	4,500	7,400	Evacuation-prepared areas in case of emergency
				2012/7/4	Sunny	1.2	10	95	Gravel/sand	<30	3,100	4,900	
				2012/7/25	Cloudy	1.2	3	94	Sand	<30	3,300	5,300	
13	Otagawa River	Kaminouchibashi Bridge	Minamisomashi City	2012/8/22	Sunny	0.4	4	94	Sand	<30	3,300	5,400	
				2012/7/4	Sunny	1.0	5	85	Sand	<30	1,500	2,300	
				2012/7/24	Rain	1.0	5	70	Sand	<39	8,800	14,000	
14	Otagawa River	Masudabashi Bridge	Minamisomashi City	2012/8/22	Sunny	0.8	6	63	Mud	<47	11,000	18,000	
				2012/7/3	Cloudy	1.0	5	89	Sand	<30	650	1,100	
				2012/7/24	Sunny	0.5	3	95	Sand	<30	460	750	
15	Otagawa River	JR Tetsudobashi Bridge	Minamisomashi City	2012/8/22	Sunny	0.4	6	92	Sand	<30	550	910	
				2012/7/3	Cloudy	1.0	5	95	Sand	<30	70	110	
				2012/7/24	Cloudy	0.2	3	93	Sand	<30	45	78	
16	Otagawa River	Maruyamabashi Bridge	Minamisomashi City	2012/7/24	Cloudy	0.5	10	94	Sand	<30	31	61	
				2012/7/5	Cloudy	0.2	5	91	Sand	<30	750	1,200	
				2012/8/23	Sunny	0.3	6	94	Sand	<30	520	910	Evacuation order lifting preparation areas
2012/7/5	Cloudy	0.3	5	93	Gravel/sand	<30	420	670					
2012/8/23	Sunny	0.7	6	66	Mud	<30	1,400	2,200					
17	Odakagawa River	Shimokawabashi Bridge	Namiemachi Town	2012/7/4	Sunny	0.8	5	88	Sand	<30	160	250	
				2012/7/25	Cloudy	0.5	3	91	Sand	<30	22	32	
				2012/8/22	Sunny	0.7	7	89	Sand	<30	31	47	
18	Odakagawa River	Zenchobashi Bridge	Namiemachi Town	2012/7/3	Cloudy	1.0	2	94	Sand/gravel	<30	5,200	8,200	
				2012/7/26	Cloudy	0.4	5	94	Sand	<30	6,800	11,000	
				2012/8/28	Sunny	0.4	3	94	Sand	<30	4,900	7,900	Restricted areas
2012/7/3	Cloudy	0.3	3	91	Sand	<30	2,200	3,400					
2012/7/26	Cloudy	0.4	2	94	Sand/gravel	<30	1,400	2,300					
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2012/8/28	Sunny	0.5	3	90	Sand	<30	1,900	3,300	
				2012/7/3	Sunny	0.3	2	90	Sand	<30	64	98	
				2012/7/26	Sunny	0.4	3	73	Sand	<30	570	840	Evacuation order lifting preparation areas
2012/7/26	Sunny	0.4	3	73	Sand	<30	570	840					
2012/7/26	Sunny	0.4	3	73	Sand	<30	570	840					
21	Ukedobashi Bridge	Ukedobashi Bridge	Namiemachi Town	2012/7/26	Sunny	0.5	3	90	Sand	<30	1,900	3,300	
				2012/8/28	Sunny	0.5	3	90	Sand	<30	64	98	
				2012/7/3	Sunny	0.3	2	90	Sand	<30	64	98	
22	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichishitadaira)	Tamurashi City	2012/7/26	Sunny	0.4	3	73	Sand	<30	570	840	
				2012/7/26	Sunny	0.4	3	73	Sand	<30	570	840	
				2012/7/26	Sunny	0.4	3	73	Sand	<30	570	840	

ORiver (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	Radioactive cesium Cs-134 Cs-137		
23	Takasagawa River	Keibashi Bridge	Namiemachi Town	2012/7/3	Cloudy	0.2	2	60	Mud/sand	<41	6,200	9,600	Restricted areas
				2012/7/26	Cloudy	0.3	2	68	Sand	<33	5,900	9,500	
24	Maedagawa River	National Route 6, west	Futabamachi Town	2012/7/4	Sunny	0.2	3	94	Sand/gravel	<30	2,300	3,500	
25				Nakahamabashi Bridge	Namiemachi Town	2012/7/3	Cloudy	1.6	3	94	Sand/gravel	<30	
26	Kumagawa River	National Route 6, west	Okumamachi Town			2012/7/26	Sunny	0.3	3	95	Gravel	<30	
27				2012/8/28	Sunny	1.6	3	74	Mud	<41	8,900	15,000	
28	Tomiokagawa River	National Route 6, west	Tomiokamachi Town	2012/7/5	Sunny	0.5	3	90	Sand	<30	1,500	2,300	
29				2012/7/3	Cloudy	0.2	3	76	Sand	<45	10,000	16,000	
30	Idegawa River	Nabekurabashi Bridge	Kawauchimura Village	2012/8/30	Sunny	0.2	3	92	Sand	<30	120	210	
31				2012/8/29	Sunny	0.3	3	92	Sand	<30	180	310	
32	Kawauchigawa River	Nishivamabashi Bridge	Kawauchimura Village	2012/7/3	Cloudy	0.4	2	94	Gravel/sand	<30	850	1,300	
33				2012/7/3	Cloudy	0.4	2	93	Sand	<30	970	1,500	
34	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/7/3	Cloudy	0.2	2	93	Sand	<30	130	190	
35				2012/8/23	Sunny	0.5	3	91	Sand	<30	170	290	
36	Asamigawa River	Kidokawabashi Bridge	Hironomachi Town	2012/8/30	Sunny	0.2	3	94	Sand	<30	71	110	
37				2012/7/3	Cloudy	0.8	3	92	Sand	<30	32	49	
38	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2012/7/3	Cloudy	0.3	2	95	Sand	<30	52	69	
39				2012/8/23	Sunny	0.4	3	95	Sand	<30	68	110	
40	Natsugawa River	Iwaamatsuribashi Bridge	Iwakishi City	2012/7/3	Cloudy	0.2	2	86	Sand	<30	320	460	
41				2012/8/23	Sunny	0.3	3	74	Sand	<30	480	790	
42	Fujisaragawa River	Shimabashi Bridge	Iwakishi City	2012/7/10	Sunny	0.5	3	93	Sand/gravel	<30	100	140	
43				2012/8/23	Sunny	0.2	3	92	Sand	<30	90	140	
44	Yoshimagawa River	Before the confluence with Natsugawa River	Iwakishi City	2012/7/10	Cloudy	0.6	3	95	Sand/gravel	<30	270	440	
45				2012/9/4	Sunny	0.1	5	96	Sand	<30	160	270	
46	Samegawa River	Samegawabashi Bridge	Iwakishi City	2012/7/10	Sunny	0.5	3	91	Sand/gravel	<30	82	130	
47				2012/9/4	Sunny	0.3	3	93	Sand	<30	58	91	
48	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2012/7/10	Sunny	0.4	5	92	Sand	<30	18	34	
49				2012/9/4	Sunny	0.5	3	94	Sand	<30	23	45	
50	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/10	Sunny	0.4	5	94	Sand	<30	66	95	
51				2012/9/3	Sunny	0.2	5	91	Sand	<30	71	110	
52	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/12	Rain	0.4	3	76	Sand/silt	<30	55	100	
53				2012/8/24	Sunny	0.6	3	73	Sand	<30	110	170	
54	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/10	Sunny	0.3	2	83	Sand	<30	60	99	
55				2012/9/5	Sunny	0.6	3	83	Sand	<30	46	70	
56	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/10	Sunny	0.3	5	81	Mud	<30	140	210	
57				2012/9/5	Sunny	0.4	5	95	Sand	<30	18	29	
58	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/11	Sunny	0.6	2	89	Sand	<30	120	170	
59				2012/9/5	Sunny	0.2	5	85	Sand	<30	140	230	
60	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/11	Sunny	0.5	2	94	Sand/gravel	<30	26	37	
61				2012/9/5	Sunny	0.2	5	82	Sand	<30	96	150	
62	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/11	Sunny	0.3	2	88	Silt/clay	<30	50	76	
63				2012/9/5	Sunny	0.3	3	89	Sand	<30	18	37	
64	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/11	Sunny	0.4	3	88	Sand	<30	84	130	
65				2012/9/6	Sunny	1.0	5	89	Mud	<30	570	910	
66	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/9	Sunny	1.0	2	90	Sand	<30	54	80	
67				2012/9/3	Sunny	0.4	5	95	Sand	<30	<10	<10	
68	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/7/11	Sunny	0.5	5	94	Sand	<30	<10	<10	
69				2012/9/3	Sunny	1.0	2	88	Sand	<30	40	63	
70	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/9/3	Cloudy	0.4	5	75	Sand	<30	95	170	
71				2012/7/13	Cloudy	0.3	3	90	Gravel	<30	78	130	
72	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/9/6	Sunny	0.2	2	84	Sand	<30	99	160	
73				2012/7/13	Cloudy	0.5	2	84	Silt	<30	170	250	
74	Bindabashi Bridge			2012/9/6	Sunny	0.5	1	71	Mud/leaf mold	<30	370	590	

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

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

Sampling point				Sampling date	Weather	Left bank				Right bank				Remarks		
No.	Water body	Point	Municipality			Property	Concentration of radioactive material Bq/kg (dry)				Property	Concentration of radioactive material Bq/kg (dry)				
							Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137	Air dose μ Sv/h		Radioactive iodine I-131	Radioactive cesium Cs-134		Cs-137	Air dose μ Sv/h
1	Iizogawa River	Hamahatabashi Bridge	Shinchimachi Town	2012/7/19	Cloudy	Loamy/sandy	<30	530	800	0.28	Loamy/clayish	<30	890	1,400	0.20	
				2012/8/31	Sunny	Sandy	<30	520	790	0.20	Loamy	<30	800	1,300	0.15	
2	Koizumigawa River	Koizumibashi Bridge		2012/7/19	Cloudy	Loamy	<30	1,500	2,500	0.33	Loamy	<30	580	930	0.31	
				2012/8/27	Sunny	Loamy	<30	1,400	2,200	0.24	Loamy	<30	1,100	1,800	0.25	
3	Koizumigawa River	Hyakkenbashi Bridge		2012/7/19	Cloudy	Loamy	<30	870	1,400	0.36	Loamy	<30	570	930	0.30	
				2012/8/27	Sunny	Loamy	<30	520	790	0.17	Loamy	<30	160	270	0.30	
4	Udagawa River	Horisakabashi Bridge	Somaishi City	2012/7/19	Cloudy	Loamy	<30	510	830	0.33	-	-	-	-	-	
				2012/8/27	Sunny	Sandy	<30	490	780	0.27	-	-	-	-	-	-
5	Udagawa River	Horisakabashi Bridge		2012/7/19	Cloudy	Loamy	<30	980	1,500	0.39	Loamy	<30	670	1,100	0.32	
				2012/8/27	Sunny	Loamy/skeletal	<30	930	1,500	0.28	Loamy/skeletal	<30	370	590	0.28	
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2012/7/19	Cloudy	Loamy	<30	520	820	0.56	Loamy	<34	4,300	6,800	0.88	
				2012/8/21	Sunny	Loamy	<30	1,200	1,900	0.47	Loamy/clayish	<30	670	1,100	0.43	
7	Manogawa River	Majimabashi Bridge		2012/7/5	Cloudy	Loamy	<30	120	190	0.20	Loamy	<30	910	1,500	0.28	
				2012/8/21	Sunny	Sandy	<30	910	1,400	0.33	Loamy	<30	500	810	0.26	
8	Kusano	Itatemura Village		2012/7/3	Cloudy	Loamy	<30	1,500	2,400	2.01	Loamy	<53	16,000	24,000	2.98	
				2012/8/7	Sunny	Loamy/sandy	<30	4,900	7,800	2.19	Loamy	<58	20,000	32,000	3.82	
9	Komiya			2012/7/5	Cloudy	Loamy	<30	4,400	8,800	3.57	Sandy	<30	2,800	4,500	3.20	
				2012/8/8	Sunny	Loamy/sandy	<30	5,400	8,700	3.55	Sandy	<45	8,000	13,000	3.82	
10	Niidagawa River	Kidouchibashi Bridge		2012/7/3	Cloudy	Loamy	<30	2,300	3,700	1.00	Sandy	<30	920	1,400	1.24	
				2012/7/24	Cloudy	Loamy	<30	2,200	3,600	0.89	Loamy	<42	6,000	9,500	1.16	
11	Sakekawabashi Bridge			2012/8/21	Sunny	Loamy	<30	4,100	6,700	1.01	Loamy	<34	5,100	8,000	1.20	
				2012/7/3	Cloudy	Loamy	<30	22	30	0.15	Loamy	<30	570	900	0.50	
12	Ishiwatadobashi Bridge			2012/7/24	Cloudy	Loamy	<30	860	890	0.25	Loamy	<31	4,400	7,100	0.89	
				2012/8/21	Sunny	Loamy	<30	210	330	0.18	Loamy	<30	1,600	2,500	0.30	
13	Kaminouchibashi Bridge			2012/7/4	Sunny	Loamy	<30	3,500	5,600	1.60	Loamy	<30	1,400	2,200	1.50	
				2012/7/25	Cloudy	Loamy	<30	3,400	5,500	1.67	Loamy	<32	5,600	9,100	1.58	
14	Masudabashi Bridge			2012/8/22	Sunny	Loamy	<30	5,400	8,700	1.76	Loamy	<30	2,000	3,500	1.70	
				2012/7/4	Sunny	Loamy	<30	1,400	2,200	0.85	Loamy	<30	1,400	2,200	0.69	
15	JR Tetsudobashi Bridge		Minamisomashi City	2012/7/25	Cloudy	Loamy	<30	1,800	3,000	0.87	Loamy	<30	4,400	7,000	0.76	
				2012/8/22	Sunny	Loamy	<30	1,400	2,300	0.85	Loamy	<30	1,600	2,600	0.63	
16	Maruyamabashi Bridge			2012/7/4	Sunny	Loamy	<30	760	1,200	0.30	Loamy	<30	790	1,300	0.34	
				2012/7/24	Rain	Loamy	<30	990	1,600	0.32	Loamy	<30	1,800	3,000	0.37	
17	Shimokawarabashi Bridge			2012/8/22	Sunny	Loamy	<30	720	1,200	0.34	Loamy	<30	900	1,500	0.39	
				2012/7/3	Cloudy	Loamy	<30	310	470	0.38	Loamy	<30	270	410	0.37	
18	Zenchobashi Bridge			2012/7/24	Sunny	Loamy	<30	1,200	2,000	0.40	Loamy	<30	670	1,100	0.36	
				2012/8/22	Sunny	Loamy	<30	580	960	0.36	Sandy	<30	380	640	0.33	
19	Hatsukarabashi Bridge			2012/7/3	Cloudy	Loamy	<30	170	270	0.16	-	-	-	-		
				2012/7/24	Cloudy	Loamy	<30	550	880	0.18	-	-	-	-		
20	Ukedogawa River	Ukedobashi Bridge	Namiemachi Town	2012/8/21	Cloudy	Loamy	<30	520	830	0.16	Loamy	<30	320	530	0.11	
				2012/7/5	Cloudy	Loamy	<38	7,300	12,000	1.61	Loamy	<30	930	1,500	0.82	
21	Ukedogawa River	Ukedobashi Bridge		2012/8/23	Sunny	Loamy	<30	2,200	3,600	0.92	Loamy	<30	1,100	2,000	0.85	
				2012/7/5	Cloudy	-	-	-	-	-	Loamy	<30	1,200	2,000	0.57	
22	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichitadaira)	Tamuraishi City	2012/8/23	Sunny	Loamy	<30	890	1,400	0.42	Loamy	<30	1,400	2,300	0.63	
				2012/7/4	Sunny	Sandy	<30	12	22	0.10	-	-	-	-	-	
23	Ukedogawa River	Ukedobashi Bridge		2012/7/25	Cloudy	Sandy	<30	21	36	0.12	-	-	-	-		
				2012/8/22	Sunny	Sandy	<30	23	30	0.12	-	-	-	-		
24	Ukedogawa River	Ukedobashi Bridge		2012/7/3	Cloudy	Loamy/skeletal	<59	24,000	39,000	7.90	-	-	-	-		
				2012/7/26	Cloudy	Loamy	<63	25,000	42,000	7.84	-	-	-	-		
25	Ukedogawa River	Ukedobashi Bridge		2012/8/28	Sunny	Loamy	<72	31,000	51,000	10.40	-	-	-	-		
				2012/7/3	Cloudy	Loamy	<30	550	900	0.87	-	-	-	-		
26	Ukedogawa River	Ukedobashi Bridge		2012/7/26	Cloudy	Loamy	<30	730	1,200	0.92	-	-	-	-		
				2012/8/28	Sunny	Sandy	<30	2,800	4,600	1.66	-	-	-	-		
27	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichitadaira)	Tamuraishi City	2012/7/3	Sunny	Sandy	<30	3,200	5,000	0.49	Sandy	<30	890	1,400	0.60	
				2012/7/26	Sunny	Sandy	<30	1,700	2,700	0.55	Sandy	<30	900	1,400	0.45	

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

Sampling point				Sampling date	Weather	Left bank				Right bank				Remarks		
No.	Water body	Point	Municipality			Property	Concentration of radioactive material Bq/kg (dry)				Property	Concentration of radioactive material Bq/kg (dry)				
							Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μ Sv/h		Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μ Sv/h	
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/7/3	Cloudy	Loamy	<30	1,200	2,000	1.80	-	-	-	-	-	-
				2012/7/26	Cloudy	Loamy	<30	1,500	2,400	1.73	-	-	-	-	-	-
24		National Route 6, west	Futabamachi Town	2012/7/4	Sunny	Loamy	<44	11,000	19,000	3.81	-	-	-	-	-	-
25	Maedagawa River	Nakahamabashi Bridge	Namiemachi Town	2012/7/3	Cloudy	-	-	-	-	-	Sandy/loamy	<30	2,100	3,200	0.85	Restricted areas Soil not exposed
				2012/7/26	Sunny	-	-	-	-	-	Sandy	<30	1,300	2,100	0.65	
				2012/8/28	Sunny	-	-	-	-	-	Sandy	<30	940	1,500	0.65	
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/7/5	Sunny	-	-	-	-	-	Loamy	<42	12,000	19,000	4.93	
27		Mikumabashi Bridge		2012/7/5	Cloudy	-	-	-	-	-	Loamy	<44	10,000	16,000	11.90	
28		Nabekurabashi Bridge	Kawauchimura Village	2012/8/30	Sunny	Leaf mold	<30	1,300	900	0.64	Loamy	<30	3,100	5,000	0.94	Evacuation order lifting preparation areas
29	Tomikogawa River	Sakagawabashi Bridge		2012/8/29	Sunny	Loamy	<49	16,000	26,000	5.08	Leaf mold	<53	18,000	30,000	4.92	
30		National Route 6, west	Tomikamachi Town	2012/7/3	Cloudy	Loamy	<30	5,300	8,300	5.22	-	-	-	-	-	Restricted areas
31		Kobamabashi Bridge		2012/7/3	Cloudy	Loamy	<45	14,000	22,000	2.40	-	-	-	-	-	Soil not exposed
32	Idegawa River	Motogawabashi Bridge	Narahamachi Town	2012/7/3	Cloudy	-	-	-	-	-	Loamy	<30	1,200	1,900	0.68	Evacuation order lifting preparation areas
				2012/8/23	Sunny	-	-	-	-	-	Sandy	<30	390	610	0.70	Soil not exposed
33	Kawauchigawa River	Below the confluence with Kidogawa River (Futatabashi Bridge)	Kawauchimura Village	2012/8/30	Sunny	Loamy	<30	990	1,600	0.92	Loamy	<30	1,400	2,300	0.72	Evacuation order lifting preparation areas
34		Nishiyamabashi Bridge		2012/7/3	Cloudy	Loamy	<30	310	490	0.35	Loamy	<30	860	1,400	0.53	Former evacuation-prepared areas in case of emergency
35	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/7/3	Cloudy	Loamy	<30	2,500	3,800	0.66	-	-	-	-	-	
				2012/8/23	Sunny	Sandy	<30	1,600	2,500	0.71	-	-	-	-	-	Evacuation order lifting preparation areas
36		Kidokawabashi Bridge		2012/7/3	Cloudy	-	-	-	-	-	Loamy	<30	1,400	2,300	0.73	Soil not exposed
				2012/8/23	Sunny	-	-	-	-	-	Sandy	<30	2,400	3,900	0.56	
37	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2012/7/10	Sunny	Sandy/loamy	<30	740	1,200	0.52	Sandy/loamy	<30	940	1,400	0.56	Former evacuation-prepared areas in case of emergency
				2012/8/23	Sunny	Sandy	<30	1,800	2,900	0.43	Sandy	<30	2,600	4,100	0.51	
38	Ohisagawa River	Kagesobashi Bridge		2012/7/10	Cloudy	-	-	-	-	-	Sandy	<30	460	710	0.28	Soil not exposed
				2012/9/4	Sunny	-	-	-	-	-	Sandy	<30	1,800	3,000	0.27	
39	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2012/7/10	Sunny	Loamy	<30	2,400	3,700	0.41	Loamy	<30	850	1,300	0.41	
				2012/9/4	Sunny	Loamy	<30	2,500	4,000	0.42	Sandy	<30	1,200	1,800	0.42	
40	Niidagawa River	Kasumidabashi Bridge		2012/7/10	Sunny	Loamy/sandy	<30	200	340	0.16	Loamy/sandy	<30	590	960	0.20	
				2012/9/4	Sunny	Loamy	<30	660	1,100	0.19	Loamy	<30	940	1,500	0.19	
41		Matsubabashi Bridge		2012/7/10	Sunny	Sandy/loamy	<30	650	980	0.26	Loamy	<30	910	1,400	0.31	
				2012/9/4	Sunny	Loamy	<30	1,000	1,600	0.26	Loamy/skeletal	<30	1,200	1,900	0.32	
42		Kitanoouchibashi Bridge	Onomachi Town	2012/7/12	Rain	Loamy	<30	450	710	0.19	Loamy	<30	310	500	0.21	
				2012/8/24	Sunny	Loamy	<30	180	290	0.18	Loamy	<30	150	250	0.17	
43	Natsugawa River	Kyudayubashi Bridge		2012/7/10	Sunny	Sandy	<30	190	290	0.21	Sandy	<30	84	140	0.17	
				2012/9/5	Sunny	Sandy	<30	330	530	0.18	Sandy/skeletal	<30	640	1,100	0.17	
44		Rokujumabashi Bridge		2012/7/10	Sunny	Loamy	<30	990	1,500	0.30	Loamy	<30	690	1,100	0.32	
				2012/9/5	Sunny	Sandy/loamy	<30	1,000	1,700	0.28	Loamy	<30	810	1,300	0.35	
45	Yoshimigawa River	Iwanatsuribashi Bridge		2012/7/11	Sunny	Loamy	<30	930	1,400	0.19	Loamy	<30	110	180	0.17	
				2012/9/5	Sunny	Loamy	<30	270	450	0.21	Loamy	<30	610	960	0.17	
46		Before the confluence with Natsugawa River		2012/7/11	Sunny	Loamy	<30	140	220	0.19	Loamy	<30	220	340	0.19	
				2012/9/5	Sunny	Loamy/skeletal	<30	240	410	0.15	Loamy/skeletal	<30	420	680	0.22	
47		Shimabashi Bridge		2012/7/11	Sunny	Sandy/loamy	<30	340	520	0.15	Clayish	<30	470	720	0.18	
				2012/9/5	Sunny	Sandy/loamy	<30	700	1,200	0.15	Loamy/skeletal	<30	99	170	0.17	
48	Fujiwaragawa River	Minatobashi Bridge	Iwakishi City	2012/7/11	Sunny	Sandy	<30	290	440	0.14	Loamy/sandy	<30	370	590	0.24	
				2012/9/6	Sunny	Loamy	<30	290	430	0.13	Loamy/skeletal	<30	840	1,300	0.30	
49	Samegawa River	Idoswabashi Bridge		2012/7/9	Sunny	Sandy/clayish	<30	110	170	0.13	-	-	-	-	-	Soil not exposed
				2012/9/3	Sunny	Loamy/skeletal	<30	1,500	2,400	0.29	-	-	-	-	-	
50		Samegawabashi Bridge		2012/7/11	Sunny	Sandy	<30	99	150	0.13	Clayish/sandy	<30	200	310	0.13	
				2012/9/3	Sunny	Sandy	<30	15	22	0.08	Loamy	<30	260	420	0.11	
51	Shitogigawa River	Komurobashi Bridge		2012/7/9	Sunny	Loamy	<30	680	1,100	0.14	Loamy/clayish	<30	760	1,200	0.22	
				2012/9/3	Cloudy	Sandy	<30	480	780	0.24	Leaf mold	<30	2,000	3,300	0.19	
52		Kobanabashi Bridge		2012/7/13	Cloudy	Sandy	<30	100	150	0.16	Loamy	<30	300	510	0.15	
				2012/9/6	Sunny	Loamy/skeletal	<30	920	1,400	0.22	Loamy/skeletal	<30	440	720	0.17	
53	Bindagawa River	Bindabashi Bridge		2012/7/13	Cloudy	Loamy	<30	140	200	0.14	Loamy	<30	370	570	0.14	
				2012/9/6	Sunny	Loamy/skeletal	<30	500	810	0.11	Sandy	<30	480	720	0.14	

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

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

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

No.	Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine			
												I-131	Radioactive cesium Cs-134	Cs-137	
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/7/12	Rain	0.3	0.0	51	1	4	1	<1	<1	<1	
55		Tamachiohoshi Bridge	Shirakawashi City	2012/7/12	Rain	0.5	0.0	94	1	8	2	<1	<1	<1	
				2012/8/6	Cloudy	0.4	0.0	>100	14	2	1	<1	<1	<1	
				2012/8/30	Cloudy	0.6	0.0	>100	14	1	1	<1	<1	<1	
56	Yantagawa River	Before the confluence with Abukumagawa River		2012/7/12	Rain	0.5	0.0	60	3	3	1	<1	<1	<1	
57	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/7/17	Sunny	0.5	0.0	>100	12	1	1	<1	<1	<1	
58	Kitasugawa River	Yanagibashi Bridge	Hiratumura Village	2012/7/18	Cloudy	0.4	0.0	>100	12	3	1	<1	<1	<1	
59	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/7/17	Sunny	0.3	0.0	99	13	3	2	<1	<1	<1	
60	Yashirogawa River	Ojibashi Bridge		2012/7/17	Sunny	0.5	0.0	>100	13	5	3	<1	<1	<1	
61	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/7/17	Sunny	0.3	0.0	32.5	15	12	4	<1	<1	<1	
				2012/8/7	Sunny	0.3	0.0	96	17	1	1	<1	<1	<1	
				2012/8/30	Sunny	0.2	0.0	>100	20	1	1	<1	<1	<1	
				2012/7/18	Cloudy	0.2	0.0	>100	15	3	2	<1	<1	<1	
62		Emochibashi Bridge		2012/8/30	Sunny	0.1	0.0	>100	19	<1	2	<1	<1	<1	
				2012/7/18	Cloudy	0.2	0.0	>100	15	3	2	<1	<1	<1	
63	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2012/7/18	Cloudy	0.5	0.0	60	13	4	2	<1	<1	<1	
2012/7/18		Cloudy		0.5	0.0	60	14	5	3	<1	<1	<1			
2012/8/7		Sunny		0.2	0.0	>100	15	2	1	<1	<1	<1			
2012/8/30		Sunny		0.4	0.0	43	21	9	2	<1	<1	<1			
65	Sasaharagawa River	Shinbashi Bridge		2012/7/18	Cloudy	0.4	0.0	59	15	5	2	<1	<1	<1	
66	Yatagawa River	Yatagawabashi Bridge		2012/7/19	Sunny	0.4	0.0	100	25	3	1	<1	<1	<1	
67	Otakegawa River	Funchikibashi Bridge	Tamurashi City	2012/7/18	Cloudy	0.6	0.0	92	14	2	1	<1	<1	<1	
68	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/7/19	Sunny	0.6	0.0	90	15	2	1	<1	<1	<1	
69		Before the confluence with Babagawa River		2012/7/19	Sunny	0.3	0.0	>100	24	1	1	<1	<1	<1	
70		Makunouchibashi Bridge		2012/7/19	Sunny	1.5	0.0	>100	21	5	2	<1	<1	<1	
2012/7/20		Cloudy		0.6	0.0	60	24	2	2	<1	<1	<1			
71		Before the confluence with Abukumagawa River	Koriyamashi City	2012/8/7	Sunny	0.3	0.0	76	25	4	2	<1	<1	<1	
				2012/8/29	Sunny	0.6	0.0	87	26	3	1	<1	<1	<1	
				2012/7/20	Cloudy	0.6	0.0	65	27	5	3	<1	<1	<1	
72	Abukumagawa River	Akutsubashi Bridge		2012/8/7	Sunny	0.2	0.0	80	23	5	2	<1	<1	<1	
				2012/8/27	Sunny	0.1	0.0	86	26	4	2	<1	<1	<1	
				2012/7/18	Cloudy	0.2	0.0	54	8	2	1	<1	<1	<1	
				2012/7/18	Cloudy	1.2	0.0	56	10	7	2	<1	<1	<1	
74	Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2012/7/18	Cloudy	0.2	0.0	85	16	3	2	<1	<1	<1	
				2012/8/7	Sunny	0.2	0.0	76	18	6	3	<1	<1	<1	
				2012/8/29	Sunny	0.3	0.0	84	22	2	1	<1	<1	<1	
76	Abukumagawa River	Takadabashi Bridge		2012/7/9	Sunny	1.5	0.0	34	12	8	3	<1	<1	<1	
				2012/8/8	Cloudy	0.6	0.0	61	19	4	2	<1	<1	<1	
				2012/8/29	Sunny	0.3	0.0	51	24	3	2	<1	<1	<1	
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/7/9	Cloudy	5.0	0.0	80	10	9	2	<1	<1	<1	
				2012/7/9	Sunny	0.8	0.0	43	13	20	4	<1	<1	<1	
78	Utsushigawa River	Osegawabashi Bridge		2012/8/8	Cloudy	0.3	0.0	>100	15	1	1	<1	<1	<1	
				2012/8/29	Sunny	0.5	0.0	89	16	7	2	<1	<1	<1	

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

No.	Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine			
												I-131	Radioactive cesium		
									Cs-134	Cs-137					
79	Mizuharagawa River	Getouchibashi Bridge		2012/7/10	Sunny	0.4	0.0	89	4	4	2	<1	<1	<1	
80	Megamigawa River	Tsurumakibashi Bridge		2012/7/10	Sunny	0.1	0.0	34	18	15	4	<1	<1	<1	
81	Abukumagawa River	Horabashi Bridge		2012/7/10	Sunny	0.5	0.0	42	13	6	3	<1	<1	<1	
				2012/8/8	Cloudy	0.2	0.0	31	19	4	2	<1	<1	<1	
				2012/8/28	Sunny	0.2	0.0	44	21	3	1	<1	<1	<1	
82	Nigorigawa River	Before the confluence with Omorigawa River		2012/7/10	Sunny	0.1	0.0	77	14	3	1	<1	<1	<1	
83	Arakawa River	Hinokurabashi Bridge		2012/7/10	Sunny	0.2	0.0	94	17	4	1	<1	<1	<1	
84	Sukawa River	Sukawabashi Bridge	Fukushimashi City	2012/8/29	Sunny	0.3	0.0	>100	25	<1	1	<1	<1	<1	
				2012/7/10	Sunny	0.5	0.0	>100	33	<1	1	<1	<1	<1	
				2012/7/12	Rain	0.5	0.0	86	24	10	3	<1	<1	<1	
85	Arakawa River	Before the confluence with Abukumagawa River	Fukushimashi City	2012/8/8	Cloudy	0.4	0.0	63	35	12	3	<1	<1	<1	
				2012/8/28	Sunny	0.3	0.0	44	38	8	2	<1	<1	<1	
				2012/7/11	Sunny	0.3	0.0	>100	14	<1	1	<1	<1	<1	
86	Matsukawa River	Before the confluence with Abukumagawa River	Fukushimashi City	2012/8/8	Cloudy	0.3	0.0	>100	20	<1	0	<1	<1	<1	
				2012/8/28	Cloudy	0.3	0.0	>100	22	<1	0	<1	<1	<1	
				2012/7/11	Sunny	0.5	0.0	>100	15	4	2	<1	<1	<1	
87	Hattandagawa River	Hattandabashi Bridge		2012/7/11	Sunny	0.5	0.0	>100	15	4	2	<1	<1	<1	
88	Surikamigawa River	Before the confluence with Abukumagawa River	Fukushimashi City	2012/7/5	Cloudy	0.3	0.0	94	6	3	2	<1	<1	<1	
				2012/7/5	Cloudy	0.2	0.0	>100	8	4	1	<1	<1	<1	
				2012/8/9	Cloudy	0.3	0.0	>100	7	1	1	<1	<1	<1	
89	Surikamigawa River	Before the confluence with Abukumagawa River	Fukushimashi City	2012/8/28	Cloudy	0.3	0.0	>100	8	1	1	<1	<1	<1	
				2012/7/11	Sunny	2.0	0.0	46	14	10	4	<1	<1	<1	
				2012/8/9	Cloudy	0.7	0.0	60	18	4	2	<1	<1	<1	
90	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/8/28	Sunny	0.2	0.0	62	22	2	1	<1	<1	<1	
				2012/7/11	Sunny	2.0	0.0	46	14	10	4	<1	<1	<1	
				2012/8/9	Cloudy	0.7	0.0	60	18	4	2	<1	<1	<1	
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2012/7/10	Sunny	0.2	0.0	60.5	10	9	2	<1	<1	<1	
92	Hirosegawa River	Jizogawabashi Bridge	Dateshi City	2012/7/12	Cloudy	0.4	0.0	85	12	6	2	<1	<1	<1	
				2012/7/12	Cloudy	0.2	0.0	>100	17	5	3	<1	<1	<1	
				2012/8/9	Cloudy	0.2	0.0	>100	26	4	2	<1	<1	<1	
93	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/8/28	Sunny	0.2	0.0	58	32	4	2	<1	<1	<1	
				2012/7/11	Sunny	0.2	0.0	60	15	10	3	<1	<1	<1	
				2012/8/9	Sunny	0.2	0.0	>100	17	1	1	<1	<1	<1	
94	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2012/8/28	Cloudy	0.2	0.0	83	20	4	1	<1	<1	1	
				2012/7/23	Sunny	0.3	0.0	100	1	<1	1	<1	<1	<1	
				2012/8/20	Sunny	0.3	0.0	>100	1	<1	0	<1	<1	<1	
95	Kurokawa River	Tochigisakai	Shirakawashi City	2012/7/23	Sunny	0.5	0.0	>100	1	<1	1	<1	<1	<1	
				2012/8/20	Sunny	0.3	0.0	>100	1	<1	0	<1	<1	<1	
				2012/7/23	Sunny	0.5	0.0	>100	1	<1	1	<1	<1	<1	
96	Kujigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2012/8/20	Sunny	0.2	0.0	>100	1	1	1	<1	<1	<1	
				2012/7/23	Sunny	0.4	0.0	100	1	3	1	<1	<1	<1	
				2012/8/20	Sunny	0.5	0.0	>100	1	1	1	<1	<1	<1	
97	Kujigawa River	Takachiharabashi Bridge	Yamatsurimachi Town	2012/7/23	Sunny	0.4	0.0	100	1	3	1	<1	<1	<1	
				2012/8/20	Sunny	0.5	0.0	>100	1	1	1	<1	<1	<1	

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

ORiver (Fukushima Prefecture, Nakadori Area) : 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		Radioactive cesium			
										I-131	Cs-134	Cs-137			
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/7/12	Rain	0.3	3	90	Sand	<30	14	30			
				2012/7/12	Rain	0.5	2	83	Sand	<30	74	110			
55	Abukumagawa River	Tamachiohashi Bridge	Shirakawashi City	2012/8/6	Cloudy	0.4	2	94	Sand/gravel	<30	19	37			
						2012/8/30	Cloudy	0.6	4	92	Sand	<30	40	67	
56	Yantagawa River	Before the confluence with Abukumagawa River		2012/7/12	Rain	0.5	2	71	Sand	<30	400	650			
57	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/7/17	Sunny	0.5	2	84	Sand	<30	110	180			
58	Kitasagawa River	Yanagibashi Bridge	Hiratamura Village	2012/7/18	Cloudy	0.4	3	86	Sand	<30	28	37			
59	Imadegawa River	Nekonakibashi Bridge		2012/7/17	Sunny	0.3	5	74	Sand/mud	<30	230	380			
60	Yashirogawa River	Oyubashi Bridge	Ishikawamachi Town	2012/7/17	Sunny	0.5	2	91	Sand	<30	19	31			
61	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/7/17	Sunny	0.3	2	90	Sand	<30	30	54			
						2012/8/7	Sunny	0.3	2	94	Sand	<30	21	32	
						2012/8/30	Sunny	0.2	4	90	Sand	<30	29	44	
62	Abukumagawa River	Emochibashi Bridge		2012/7/18	Cloudy	0.2	1	80	Sand	<30	73	120			
				2012/8/30	Sunny	0.1	2	78	Sand/mud	<30	130	200			
63	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2012/7/18	Cloudy	0.5	2	95	Sand/gravel	<30	30	47			
			Before the confluence with Abukumagawa River		2012/7/18	Cloudy	0.5	3	62	Sand/mud	<30	1,400	2,200		
64	Shakadogawa River	Before the confluence with Abukumagawa River		2012/8/7	Sunny	0.2	10	93	Sand	<30	32	61			
						2012/8/30	Sunny	0.4	4	85	Sand/mud	<30	400	650	
						2012/7/18	Cloudy	0.1	2	78	Sand/mud	<30	130	200	
65	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/7/18	Cloudy	0.4	2	75	Sand	<30	570	900			
66	Yatagawa River	Yatagawabashi Bridge		2012/7/19	Sunny	0.4	3	91	Sand	<30	58	82			
67	Okaneogawa River	Funchikibashi Bridge	Tamurashi City	2012/7/18	Cloudy	0.6	1	94	Sand/gravel	<30	19	33			
68	Ousegawa River	Before the confluence with Abukumagawa River		2012/7/19	Sunny	0.6	3	93	Sand	<30	85	130			
69			Before the confluence with Babagawa River		2012/7/19	Sunny	0.3	1	88	Sand	<30	64	100		
70			Makunouchibashi Bridge		2012/7/19	Sunny	1.5	3	93	Sand	<30	100	140		
					2012/7/20	Cloudy	0.6	2	90	Sand	<30	240	370		
71	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/8/7	Sunny	0.3	10	89	Sand/mud	<30	110	180			
						2012/8/29	Sunny	0.6	2	95	Sand/gravel	<30	69	120	
						2012/7/20	Cloudy	0.6	3	84	Sand	<30	550	860	
72	Abukumagawa River	Akutsuhashi Bridge		2012/8/7	Sunny	0.2	5	93	Sand/gravel	<30	99	170			
						2012/8/27	Sunny	0.1	5	83	Silt/gravel	<30	1,300	2,100	
						2012/7/18	Cloudy	0.2	3	89	Sand	<30	29	45	
73	Gohyakugawa River	After the confluence with Ishimurogawa River		2012/7/18	Cloudy	0.2	3	89	Sand	<30	29	45			
74			Kamisekishitabashi Bridge		2012/7/18	Cloudy	1.2	1	82	Sand	<30	180	270		
75	Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2012/7/18	Cloudy	0.2	1	94	Sand	<30	33	56			
						2012/8/7	Sunny	0.2	6	94	Sand	<30	45	66	
						2012/8/29	Sunny	0.3	2	87	Sand/gravel	<30	170	300	
76	Abukumagawa River	Takadabashi Bridge		2012/7/9	Sunny	1.5	10	79	Sand	<30	510	770			
						2012/8/8	Cloudy	0.6	10	80	Sand	<30	270	450	
						2012/8/29	Sunny	0.3	10	76	Sand/mud	<30	490	770	
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/7/9	Cloudy	0.5	10	87	Sand	<30	610	960			
						2012/7/9	Sunny	0.8	10	86	Sand	<30	230	350	
78	Utushigawa River	Osegawabashi Bridge		2012/8/8	Cloudy	0.3	5	92	Sand	<30	94	140			
						2012/8/29	Sunny	0.5	10	88	Sand	<30	210	320	

ORiver (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 material			
										Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
A b u k u m a g a w a	Mizuharagawa River	Getouchibashi Bridge	Fukushima City	2012/7/10	Sunny	0.4	10	83	Sand	<30	160	250	
	Megamigawa River	Tsurumakibashi Bridge		2012/7/10	Sunny	0.1	10	94	Sand	<30	210	340	
	Abukumagawa River	Horaibashi Bridge		2012/7/10	Sunny	0.5	10	86	Sand	<30	200	300	
				2012/8/8	Cloudy	0.2	3	89	Sand	<30	92	150	
	Nigorigawa River	Before the confluence with Omorigawa River		2012/8/28	Sunny	0.2	3	91	Sand	<30	95	160	
				2012/7/10	Sunny	0.1	10	90	Sand	<30	230	360	
	2012/7/10	Sunny		0.2	10	85	Sand	<30	28	49			
	2012/8/29	Sunny		0.3	5	88	Sand	<30	32	47			
	2012/7/10	Sunny		0.5	10	83	Sand	<30	53	72			
	2012/7/12	Rain		0.5	10	88	Sand	<30	43	76			
	2012/8/8	Cloudy		0.4	10	91	Sand	<30	100	180			
	2012/8/28	Sunny		0.3	2	88	Sand/gravel	<30	87	150			
	2012/7/11	Sunny		0.3	10	91	Sand	<30	65	110			
	2012/8/8	Cloudy		0.3	5	90	Sand	<30	360	560			
2012/8/28	Cloudy	0.3	5	83	Sand	<30	1,500	2,400					
R i v e r	Hattandagawa River	Hattandabashi Bridge	Dateshi City	2012/7/11	Sunny	0.5	10	93	Sand/gravel	<30	200	320	
	Surikamigawa River	Before the confluence with Abukumagawa River		2012/7/5	Cloudy	0.3	5	86	Sand	<30	240	390	
				2012/7/5	Cloudy	0.2	3	92.7	Sand	<30	34	58	
				2012/8/9	Cloudy	0.3	3	93	Sand	<30	18	32	
2012/8/28	Cloudy	0.3	3	90.7	Sand	<30	34	52					
S y s t e m	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/7/11	Sunny	2.0	10	95.5	Sand	<30	26	47	
	Hirosegawa River	Tatenokoshibashi Bridge		2012/8/9	Cloudy	0.7	8	91.2	Sand	<30	62	110	
				2012/8/28	Sunny	0.2	2	90	Gravel/sand	<30	79	140	
J z o g a w a r a b a s h i B r i d g e	Hirosegawa River	Jizogawarabashi Bridge	Kawamamachi Town	2012/7/10	Sunny	0.2	10	91.6	Sand	<30	210	320	
	2012/7/12	Cloudy		0.4	10	92.2	Sand	<30	340	550			
O g u n i g a w a R i v e r	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/7/12	Cloudy	0.2	10	94	Sand	<30	320	500	
				2012/8/9	Cloudy	0.2	2	91.4	Sand	<30	540	850	
				2012/8/28	Sunny	0.2	1	88.2	Gravel	<30	700	1,100	
H i r o s e g a w a R i v e r	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2012/7/11	Sunny	0.2	10	93.5	Sand	<30	260	390	
				2012/8/9	Sunny	0.2	15	94.8	Sand	<30	170	260	
				2012/8/28	Cloudy	0.2	9	93	Sand	<30	250	390	
K u j i g a w a R i v e r	Kujigawa River	Takachiharabashi Bridge	Yamatsurimachi Town	2012/7/23	Sunny	0.3	2	85	Sand	<30	74	120	
				2012/8/20	Sunny	0.3	2	89.5	Sand	<30	57	81	
S h i r a k a w a s h i C i t y	Kurokawa River	Tochigisakai	Shirakawashi City	2012/7/23	Sunny	0.5	3	94.3	Sand	<30	14	17	
				2012/8/20	Sunny	0.2	3	94.8	Sand/gravel	<30	17	25	
T a n a g u r a m a c h i T o w n	Matsuokabashi Bridge	Tanaguramachi Town	Tanaguramachi Town	2012/7/23	Sunny	0.4	4	96.3	Sand	<30	<10	14	
				2012/8/20	Sunny	0.5	4	95.1	Sand	<30	11	13	

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

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

No.	Sampling point			Sampling date	Weather	Left bank				Right bank				Remarks	
	Water body	Point	Municipality			Property	Concentration of radioactive material Bq/kg (dry)			Air dose μ Sv/h	Property	Concentration of radioactive material Bq/kg (dry)			
							Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μ Sv/h
54	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/7/12	Rain	Loamy/clayish	<30	1,800	2,900	0.49	Loamy	<30	730	1,200	0.59
				2012/7/12	Rain	Loamy	<30	980	1,600	0.57	Loamy	<30	1,500	2,400	0.58
55	Abukumagawa River	Tamachiobashi Bridge	Shirakawashi City	2012/8/6	Cloudy	Loamy	<30	1,300	2,200	0.51	Loamy	<30	1,400	2,200	0.58
				2012/8/30	Cloudy	Loamy	<30	2,500	4,000	0.47	Loamy	<30	820	1,300	0.44
56	Yantagawa River	Before the confluence with Abukumagawa River		2012/7/12	Rain	Loamy/sandy	<30	1,500	2,500	0.49	Loamy	<33	3,200	5,100	0.56
57	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/7/17	Sunny	Loamy	<30	290	510	0.23	Loamy	<30	410	670	0.24
58	Kitasugawa River	Yanagibashi Bridge	Hiratamura Village	2012/7/18	Cloudy	Loamy/sandy	<30	78	120	0.15	Sandy/loamy	<30	160	230	0.17
59	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/7/17	Sunny	Loamy	<30	170	270	0.14	Loamy	<30	210	340	0.14
60	Yashirogawa River	Ojibashi Bridge		2012/7/17	Sunny	Loamy	<30	190	290	0.10	Loamy	<30	1,000	1,600	0.15
61	Abukumagawa River	Kawanomeshashi Bridge	Tamakawamura Village	2012/7/17	Sunny	Sandy	<30	30	44	0.19	Sandy/loamy	<30	480	760	0.20
				2012/8/7	Sunny	Loamy	<30	520	790	0.13	Loamy	<30	600	920	0.22
				2012/8/30	Sunny	Loamy	<30	340	540	0.15	Loamy	<30	900	1,400	0.13
		2012/7/18	Cloudy	Sandy/loamy	<30	290	440	0.30	Sandy/loamy	<30	880	1,400	0.29		
62		Emochibashi Bridge		2012/8/30	Sunny	Loamy	<30	1,000	1,700	0.25	Loamy	<30	540	860	0.26
63	Shakadogawa River	Before the confluence with Abukumagawa River	Sukagawashi City	2012/7/18	Cloudy	Loamy	<30	700	1,100	0.31	Loamy	<30	780	1,200	0.23
				2012/7/18	Cloudy	Sandy/loamy	<30	430	640	0.26	Loamy	<30	400	610	0.46
64	Shakadogawa River	Before the confluence with Abukumagawa River	Sukagawashi City	2012/8/7	Sunny	Loamy	<30	1,300	2,200	0.48	Loamy	<30	730	1,100	0.36
				2012/8/30	Sunny	Sandy/skeletal	<30	890	1,400	0.34	Loamy	<30	430	670	0.30
65	Sasharagawa River	Shinbashi Bridge	Koriyamashi City	2012/7/18	Cloudy	Clayish	<30	760	1,200	0.57	Clayish	<30	2,000	3,200	0.61
66	Yatagawa River	Yatagawabashi Bridge		2012/7/19	Sunny	Sandy	<30	2,700	4,300	0.38	Loamy	<30	680	1,100	0.33
67	Okakinegawa River	Funchikibashi Bridge	Tamurashi City	2012/7/18	Cloudy	Sandy	<30	600	940	0.18	Loamy	<30	1,300	2,100	0.24
68		Before the confluence with Abukumagawa River		2012/7/19	Sunny	Loamy/sandy	<30	1,100	1,900	0.42	Clayish	<30	1,100	1,700	0.46
69	Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2012/7/19	Sunny	Loamy/sandy	<30	1,100	1,700	0.81	Loamy/sandy	<30	1,600	2,600	0.70
				2012/7/19	Sunny	Sandy	<30	310	480	0.54	Loamy/sandy	<30	2,900	4,500	0.82
70	Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2012/7/20	Cloudy	Sandy	<30	2,700	4,200	0.85	Sandy	<30	540	880	0.73
				2012/8/7	Sunny	Loamy.-Clayish	<30	590	900	0.81	Loamy/clayish	<30	580	960	0.84
71	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/8/29	Sunny	Clay	<30	670	1,100	0.84	Clay	<30	460	730	0.91
				2012/7/20	Cloudy	Sandy	<30	680	1,100	0.44	Sandy	<30	370	650	0.41
72	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2012/8/7	Sunny	Sandy	<30	320	530	0.42	Loamy/sandy	<30	670	1,100	0.45
				2012/8/27	Sunny	Sandy	<30	360	590	0.47	Sandy	<30	580	880	0.45
73		After the confluence with Ishimurogawa River		2012/7/18	Cloudy	Sandy	<30	210	350	0.36	Loamy	<30	1,500	2,400	0.43
74	Gohyakugawa River	Kamickishitabashi Bridge	Motomiyashi City	2012/7/18	Cloudy	Loamy	<30	4,400	6,800	1.11	Sandy	<30	2,000	3,100	0.71
				2012/7/18	Cloudy	Sandy	<30	120	210	0.76	-	-	-	-	-
75	Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2012/8/7	Sunny	Loamy/sandy	<30	180	300	0.72	-	-	-	-	Soil not exposed
				2012/8/29	Sunny	Sandy	<30	140	250	0.70	Sandy	<30	94	160	0.33
76	Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2012/7/9	Sunny	Loamy	<30	1,700	2,900	0.84	Sandy	<30	600	990	0.60
				2012/8/8	Cloudy	Loamy	<30	1,800	3,000	1.02	Sandy	<30	780	1,300	0.64
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/8/29	Sunny	Loamy	<30	2,600	4,200	0.77	Loamy	<30	2,700	4,300	0.76
				2012/7/9	Cloudy	Loamy	<30	730	1,200	0.48	Loamy	<30	1,700	2,700	0.38
78	Utusugawa River	Osegawabashi Bridge	Nihonmatsushi City	2012/7/9	Sunny	Loamy	<30	3,800	5,900	0.79	Loamy	<30	1,300	2,200	0.87
				2012/8/8	Cloudy	Loamy	<30	700	1,100	0.70	Loamy	<30	1,400	2,300	0.98
				2012/8/29	Sunny	Sandy	<30	1,100	1,900	0.57	Loamy	<30	1,700	2,700	0.72

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

No.	Sampling point			Sampling date	Weather	Left bank				Right bank				Remarks	
	Water body	Point	Municipality			Property	Concentration of radioactive material Bq/kg (dry)			Property	Concentration of radioactive material Bq/kg (dry)				
							Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			Air dose μSv/h	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μSv/h
79	Mizuharagawa River	Getouchibashi Bridge		2012/7/10	Sunny	Loamy	<30	1,600	2,500	1.14	Loamy	<30	2,300	3,600	1.13
				2012/7/10	Sunny	Loamy	<30	2,200	3,400	0.82	Loamy	<30	1,400	2,200	0.77
80	Megumigawa River	Tsurumakibashi Bridge		2012/7/10	Sunny	Loamy	<30	3,200	5,100	0.86	Loamy	<30	3,300	5,400	0.84
81	Abukumagawa River	Horaibashi Bridge		2012/8/8	Cloudy	Loamy	<30	1,900	3,000	0.59	Loamy	<38	7,500	12,000	0.93
				2012/8/28	Sunny	Loamy	<30	5,300	8,500	1.16	Loamy	<34	7,400	12,000	0.85
82	Nigorigawa River	Before the confluence with Omorigawa River		2012/7/10	Sunny	Loamy	<35	6,200	9,900	1.25	Loamy	<30	3,400	5,300	1.00
83	Arakawa River	Hinokurabashi Bridge		2012/7/10	Sunny	Sandy	<30	95	160	0.16	Loamy	<30	730	1,200	0.21
				2012/8/29	Sunny	Sandy	<30	120	180	0.11	Sandy	<30	530	880	0.15
84	Sukawa River	Sukawabashi Bridge		2012/7/10	Sunny	Loamy	<30	1,200	1,900	0.51	Loamy	<43	6,500	10,000	0.75
85	Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/7/12	Rain	Loamy	<30	4,100	6,800	1.36	Loamy	<30	2,900	4,500	1.52
				2012/8/8	Cloudy	Loamy	<30	5,500	8,700	1.72	Loamy	<30	4,200	6,900	1.69
86	Matsukawa River	Before the confluence with Abukumagawa River		2012/8/28	Sunny	Sandy	<30	2,100	3,300	1.53	Loamy	<31	4,500	7,300	1.69
				2012/7/11	Sunny	Loamy	<40	8,500	13,000	2.34	Loamy	<30	2,600	4,100	1.36
87	Hattandagawa River	Hattandabashi Bridge		2012/8/8	Cloudy	Loamy	<47	12,000	18,000	2.62	Loamy	<30	3,400	5,500	1.50
				2012/8/28	Cloudy	Loamy	<30	4,800	7,900	1.48	Loamy	<42	11,000	17,000	1.88
88	Hattandagawa River	Hattandabashi Bridge		2012/7/11	Sunny	Loamy	<30	3,600	5,600	0.64	Loamy	<30	1,400	2,200	0.75
89	Surikamigawa River	Totsunabashi Bridge		2012/7/5	Cloudy	Sandy	<30	1,300	2,000	0.72	Sandy	<30	2,900	4,500	0.95
89	Surikamigawa River	Before the confluence with Abukumagawa River		2012/7/5	Cloudy	Loamy/sandy	<30	4,400	6,900	0.82	Sandy	<30	970	1,500	1.08
				2012/8/9	Cloudy	Loamy	<30	3,700	5,900	0.72	Loamy	<30	2,900	4,700	1.13
90	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/8/28	Cloudy	Loamy	<30	4,000	6,500	1.04	Loamy/skeletal	<30	3,200	5,200	0.90
				2012/7/11	Sunny	Loamy	<30	88	130	0.19	Loamy	<30	3,300	5,300	0.76
90	Abukumagawa River	Taishobashi Bridge		2012/8/9	Cloudy	Loamy	<30	79	130	0.19	Loamy	<37	5,300	8,500	0.82
				2012/8/28	Sunny	Loamy	<30	2,200	3,500	0.31	Sandy, Gravel	<30	2,000	3,200	0.59
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2012/7/10	Sunny	Loamy	<30	1,200	1,900	0.68	Loamy	<30	1,200	1,800	0.75
92	Hirosegawa River	Jizogawarabashi Bridge		2012/7/12	Cloudy	Loamy	<30	1,500	2,400	0.86	Loamy	<30	3,400	5,400	0.88
93	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/7/12	Cloudy	Loamy	<30	2,800	4,500	0.63	Loamy	<30	2,100	3,300	0.81
				2012/8/9	Cloudy	Loamy	<30	1,800	2,900	0.71	Loamy	<30	3,000	4,900	0.72
94	Hirosegawa River	Before the confluence with Abukumagawa River		2012/8/28	Sunny	Loamy	<30	2,800	4,300	0.60	Gravel, Loamy	<30	2,100	3,400	0.83
				2012/7/11	Sunny	Loamy	<30	3,900	6,100	0.57	Loamy	<30	1,700	2,600	0.57
94	Hirosegawa River	Before the confluence with Abukumagawa River		2012/8/9	Sunny	Loamy	<30	1,300	2,100	0.64	Loamy	<30	1,000	1,600	0.73
				2012/8/28	Cloudy	Loamy	<30	830	1,300	0.64	Loamy	<30	1,100	1,800	0.62
95	Kurokawa River	Tochigisakai	Shirakawashi City	2012/7/23	Sunny	Loamy	<30	780	1,300	0.55	Loamy	<30	1,700	2,700	0.55
				2012/8/20	Sunny	Loamy	<30	3,100	5,000	0.53	Loamy/skeletal	<34	5,200	8,300	0.53
96	Kujigawa River	Matsukabashi Bridge	Tanaguramachi Town	2012/7/23	Sunny	Loamy	<30	310	490	0.11	Loamy	<30	120	190	0.11
				2012/8/20	Sunny	Loamy/skeletal	<30	640	1,000	0.15	Sandy/skeletal	<30	840	1,400	0.19
97	Kujigawa River	Takachiharabashi Bridge	Yamatsurimachi Town	2012/7/23	Sunny	Loamy	<30	480	770	0.17	Sandy	<30	430	680	0.17
				2012/8/20	Sunny	Loamy	<30	150	230	0.12	Loamy	<30	120	180	0.10

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

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

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

No.	Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium		
													Cs-134	Cs-137	
98	Aganogawa River	Fajimabashi Bridge	Minamisuzumachi Town	2012/7/25	Cloudy	0.5	0.0	100	0	<1	0	<1	<1	<1	
				2012/8/21	Sunny	0.3	0.0	>100	1	1	1	<1	<1	<1	
99	Okawabashi Bridge			2012/7/26	Cloudy	1.5	0.0	>100	1	<1	0	<1	<1	<1	
				2012/8/21	Sunny	0.9	0.0	>100	1	1	1	<1	<1	<1	
100	Takimabashi Bridge			2012/7/26	Sunny	0.6	0.0	100	1	<1	1	<1	<1	<1	
				2012/8/21	Sunny	0.7	0.0	>100	1	<1	1	<1	<1	<1	
101	Yukawa River	Shinyukawabashi Bridge	Aizuwakamatsushi City	2012/7/24	Cloudy	0.2	0.0	90	1	1	1	<1	<1	<1	
				2012/8/22	Sunny	0.2	0.0	>100	1	3	1	<1	<1	<1	
				2012/7/24	Sunny	0.3	0.0	80	1	2	1	<1	<1	<1	
102	Before the confluence with Aganogawa River			2012/8/22	Sunny	0.3	0.0	>100	1	<1	1	<1	<1	<1	
				2012/7/24	Cloudy	0.7	0.0	92	1	3	1	<1	<1	<1	
103	Miyakawa River	Saikunabashi Bridge		2012/8/22	Sunny	0.6	0.0	>100	13	1	1	<1	<1	<1	
104	Aganogawa River	Miyakobashi Bridge		2012/7/24	Cloudy	1.5	0.0	>100	1	<1	1	<1	<1	<1	
				2012/8/22	Sunny	0.8	0.0	>100	15	<1	1	<1	<1	<1	
105	Nippashigawa River	Minamiohashi Bridge	Kitakatashi City	2012/7/24	Cloudy	0.6	0.0	87	1	5	2	<1	<1	<1	
				2012/8/23	Sunny	0.3	0.0	83	19	5	1	<1	<1	<1	
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/7/24	Cloudy	0.5	0.0	89	2	4	1	<1	<1	<1	
				2012/8/24	Sunny	0.3	0.0	91	19	7	2	<1	<1	<1	
107	Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/7/27	Cloudy	0.5	0.0	60	1	5	2	<1	<1	<1	
				2012/8/22	Sunny	0.7	0.0	>100	14	3	1	<1	<1	<1	
108	Tatsukigawa River	Ohashi Bridge		2012/7/24	Cloudy	0.6	0.0	100	1	3	1	<1	<1	<1	
				2012/8/23	Sunny	0.6	0.0	>100	10	2	1	<1	<1	<1	
				2012/7/24	Cloudy	0.3	0.0	100	1	1	1	<1	<1	<1	
109	Shimokawarabashi Bridge		Kitakatashi City	2012/8/22	Sunny	0.3	0.0	>100	18	1	1	<1	<1	<1	
				2012/7/24	Cloudy	0.6	0.0	>100	1	1	1	<1	<1	<1	
110	Nigorigawa River	Nigorigawabashi Bridge		2012/8/23	Sunny	0.6	0.0	>100	18	3	1	<1	<1	<1	
				2012/7/24	Cloudy	1.0	0.0	>100	1	2	2	<1	<1	<1	
				2012/8/22	Sunny	0.3	0.0	>100	18	1	1	<1	<1	<1	
111	Yamazakibashi Bridge			2012/7/24	Cloudy	1.0	0.0	>100	1	2	2	<1	<1	<1	
				2012/8/22	Sunny	0.3	0.0	>100	18	1	1	<1	<1	<1	
112	Aoyagibashi Bridge		Minamisuzumachi Town	2012/7/25	Cloudy	0.5	0.0	100	1	<1	0	<1	<1	<1	
113	Inagawa River	Kurosawabashi Bridge	Tadamimachi Town	2012/8/21	Sunny	0.4	0.0	>100	1	<1	0	<1	<1	<1	
				2012/7/25	Cloudy	0.6	0.0	27	1	12	3	<1	<1	<1	
114	Nishitanibashi Bridge		Kaneyamamachi Town	2012/8/21	Sunny	0.2	0.0	73	0	6	2	<1	<1	<1	
				2012/7/27	Cloudy	1.0	0.0	70	1	18	2	<1	<1	<1	
115	Fujibashi Bridge		Aizubangemachi Town	2012/8/22	Sunny	0.2	0.0	9	8	22	4	<1	<1	<1	
				2012/7/26	Sunny	2.0	0.0	75	1	<1	1	<1	<1	<1	
116	Shingo Dam		Kitakatashi City	2012/7/26	Sunny	2.0	0.0	75	1	<1	1	<1	<1	<1	
				2012/8/22	Sunny	1.0	0.0	68	13	4	2	<1	<1	<1	
117	Sukawa River	Sukawano		2012/7/27	Sunny	0.6	0.0	>100	6	9	11	<1	<1	<1	
				2012/8/23	Sunny	0.5	0.0	>100	85	1	1	<1	<1	<1	
				2012/7/27	Sunny	0.5	0.0	91	3	2	1	<1	<1	<1	
118	Koganebashi Bridge		Inawashiro-machi Town	2012/8/23	Sunny	0.3	0.0	>100	27	<1	0	<1	<1	<1	
				2012/7/26	Sunny	0.1	0.0	65	21	5	2	<1	<1	<1	
119	Shinbashi Bridge			2012/7/26	Sunny	0.6	0.0	60	17	9	2	<1	<1	<1	
120	Umenohashi Bridge			2012/7/26	Sunny	0.3	0.0	93	14	5	3	<1	<1	<1	
121	Sekido District			2012/7/26	Sunny	0.3	0.0	93	14	5	3	<1	<1	<1	
122	Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	2012/7/26	Cloudy	0.2	0.0	>100	9	<1	0	<1	<1	<1	
123	Haragawa River	Estuary, front	Aizuwakamatsushi City	2012/7/26	Sunny	0.5	0.0	>100	6	2	1	<1	<1	<1	

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

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

No.	Sampling point			Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)			Remarks
	Water body	Point	Municipality				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium		
											Cs-134	Cs-137	
98	Aganogawa River	Tajimabashi Bridge	Minamiaizumachi Town	2012/7/25	Cloudy	0.5	3	92	Sand	<30	<10	<10	
		2012/8/21		Sunny	0.3	2	84	Sand	<30	<30	<10		
99	Okawabashi Bridge			2012/7/26	Cloudy	1.3	1	96	Sand/gravel	<30	<10	<10	
				2012/8/21	Sunny	0.9	2	94	Gravel	<30	<10	<10	
100	Takimbashi Bridge		Aizuwakamatsushi City	2012/7/26	Sunny	0.6	2	89	Sand	<30	43	77	
				2012/8/21	Sunny	0.7	1	80	Sand	<30	81	130	
101	Yukawa River	Shinyakawabashi Bridge		2012/7/24	Cloudy	0.2	1	86	Sand	<30	150	240	
		2012/8/22		Sunny	0.2	2	83	Sand	<30	140	210		
102	Before the confluence with Aganogawa River			2012/7/24	Sunny	0.3	1	83	Sand	<30	150	250	
				2012/8/22	Sunny	0.3	2	83	Sand	<30	<10	<10	
103	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/7/24	Cloudy	0.7	5	91	Sand	<30	47	86	
2012/8/22	Sunny	0.6		3	86	Sand	<30	37	62				
104	Aganogawa River	Miyakobashi Bridge		2012/7/24	Cloudy	1.5	3	93	Sand	<30	<10	17	
				2012/8/22	Sunny	0.8	3	90	Sand	<30	16	26	
105	Nippashigawa River	Minamiohashi Bridge	Kitakatashi City	2012/7/24	Cloudy	0.6	3	86	Sand	<30	39	62	
				2012/8/23	Sunny	0.3	4	77	Sand	<30	100	170	
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/7/24	Cloudy	1.5	3	93	Sand	<30	<10	17	
				2012/8/24	Sunny	0.3	3	69	Silt	<30	420	660	
107	Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/7/27	Cloudy	0.5	1	94	Sand	<30	97	160	
				2012/8/22	Sunny	0.7	3	91	Sand	<30	72	130	
108	Tatsukigawa River	Ohashi Bridge		2012/7/24	Cloudy	0.6	3	87	Sand	<30	60	97	
		2012/8/23		Sunny	0.6	3	91	Sand	<30	45	87		
109	Shimokawarabashi Bridge		Kitakatashi City	2012/7/24	Cloudy	0.3	3	93	Sand	<30	21	45	
				2012/8/22	Sunny	0.3	3	87	Sand	<30	34	53	
110	Nigorigawa River	Nigorigawabashi Bridge		2012/7/24	Cloudy	0.6	1	90	Sand/gravel	<30	29	42	
		2012/8/23		Sunny	0.6	3	92	Sand/gravel	<30	11	17		
111	Yamazakibashi Bridge			2012/7/24	Cloudy	1.0	3	86	Sand/gravel	<30	36	54	
				2012/8/22	Sunny	0.3	2	84	Silt	<30	32	50	
112	Inagawa River	Aoyagibashi Bridge	Minamiaizumachi Town	2012/7/25	Cloudy	0.5	3	93	Sand	<30	<10	<10	
		2012/8/21		Sunny	0.4	3	94	Sand	<30	<10	<10		
113	Kurosawabashi Bridge		Tadamimachi Town	2012/7/25	Cloudy	0.6	5	91	Sand	<30	<10	<10	
				2012/8/21	Sunny	0.3	3	91	Sand	<30	<10	<10	
114	Nishitambashi Bridge		Kaneyamamachi Town	2012/7/25	Cloudy	1.0	3	86	Sand	<30	<10	<10	
				2012/8/21	Sunny	0.2	3	85	Gravel	<30	<10	<10	
115	Fujibashi Bridge		Aizubangemachi Town	2012/7/27	Cloudy	1.0	2	82	Sand	<30	<10	<10	
				2012/8/22	Sunny	0.2	3	75	Sand	<30	12	20	
116	Aganogawa River	Shingo Dam	Kitakatashi City	2012/7/26	Sunny	2.0	3	66	Sludge	<30	100	160	
				2012/8/22	Sunny	1.0	3	71	Silt	<30	100	170	
117	Sukawa River	Sukawano		2012/7/27	Sunny	0.6	3	84	Sand	<30	51	72	
				2012/8/23	Sunny	0.5	3	84	Sand/silt	<30	69	100	
118	Nagasegawa River	Koganebashi Bridge	Inawashiro-machi Town	2012/7/27	Sunny	0.5	3	84	Sand	<30	130	230	
		2012/8/23		Sunny	0.3	2	84	Sand	<30	24	47		
119	Takahashigawa River	Shimbashi Bridge		2012/7/24	Sunny	0.1	2	80	Sand	<30	12	14	
120	Kogurogawa River	Umenobashi Bridge		2012/7/26	Sunny	0.6	3	91	Sand	<30	120	180	
121	Hishinugawa River	Seckido District		2012/7/26	Sunny	0.3	2	88	Sand	<30	34	56	
122	Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	2012/7/26	Cloudy	0.2	2	90	Sand	<30	<10	<10	
123	Haragawa River	Estuary, Front	Aizuwakamatsushi City	2012/7/26	Sunny	0.5	3	62	Sand	<30	250	420	

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

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

No.	Sampling point			Sampling date	Weather	Left bank				Right bank				Remarks	
	Water body	Point	Municipality			Property	Concentration of radioactive material Bq/kg (dry)			Air dose μ Sv/h	Property	Concentration of radioactive material Bq/kg (dry)			
							Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μ Sv/h
98	Aganogawa River	Tajimabashi Bridge	Minamiaizumachi Town	2012/7/25	Cloudy	Loamy	<30	32	54	0.09	Loamy/sandy	<30	19	29	0.07
				2012/8/21	Sunny	Loamy/skeletal	<30	59	89	0.08	Loamy/skeletal	<30	64	110	0.08
99	Okawabashi Bridge			2012/7/26	Cloudy	Loamy	<30	79	130	0.10	Loamy	<30	61	97	0.12
				2012/8/21	Sunny	Sandy/loamy	<30	130	220	0.09	Sandy/loamy	<30	110	190	0.12
100	Yukawa River	Fakimabashi Bridge	Aizuwakamatsuchi City	2012/7/26	Sunny	Loamy	<30	430	680	0.19	Loamy/sandy	<30	15	21	0.22
				2012/8/21	Sunny	Loamy	<30	660	1,100	0.20	Sandy	<30	76	120	0.09
101	Shinyukawabashi Bridge			2012/7/24	Cloudy	Loamy	<30	230	370	0.31	Loamy	<30	710	1,100	0.53
				2012/8/22	Sunny	Loamy	<30	490	780	0.23	Loamy/skeletal	<30	2,300	3,700	0.23
102	Before the confluence with Aganogawa River			2012/7/24	Sunny	-	-	-	-	-	Sandy	<30	440	760	0.27
				2012/8/22	Sunny	Loamy/skeletal	<30	1,800	3,000	0.28	Sandy/loamy	<30	440	690	0.24
103	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/7/24	Cloudy	Loamy/sandy	<30	250	390	0.29	Loamy	<30	420	670	0.22
				2012/8/22	Sunny	Loamy/skeletal	<30	3,000	4,700	0.26	Loamy/skeletal	<30	1,100	1,800	0.23
104	Aganogawa River	Miyakobashi Bridge		2012/7/24	Cloudy	Loamy	<30	570	980	0.33	Loamy	<30	19	26	0.19
				2012/8/22	Sunny	Loamy	<30	1,300	2,100	0.25	Clayish	<30	<10	<10	0.10
105	Nippashigawa River	Minamiobashi Bridge	Kitakataishi City	2012/7/24	Cloudy	Loamy	<30	260	420	0.31	Loamy	<30	320	520	0.30
				2012/8/23	Sunny	Loamy/skeletal	<30	1,200	1,800	0.29	Loamy	<30	360	620	0.30
106	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/7/24	Cloudy	Loamy	<30	750	1,200	0.43	Loamy	<30	710	1,100	0.27
				2012/8/24	Sunny	Loamy/skeletal	<30	310	510	0.30	Loamy/skeletal	<30	930	1,500	0.22
107	Kyumiyakawa River	Joukebashi Bridge	Aizubangemachi Town	2012/7/27	Cloudy	Sandy	<30	87	150	0.15	Sandy	<30	690	1,100	0.21
				2012/8/22	Sunny	Sandy	<30	63	98	0.17	Loamy/skeletal	<30	1,000	1,700	0.16
108	Tatsukigawa River	Ohashi Bridge		2012/7/24	Cloudy	Loamy	<30	110	170	0.11	Loamy	<30	680	1,100	0.13
				2012/8/23	Sunny	Loamy/skeletal	<30	260	410	0.15	Loamy/skeletal	<30	130	210	0.13
109	Shimokawarabashi Bridge			2012/7/24	Cloudy	Loamy	<30	510	830	0.20	Loamy	<30	580	940	0.21
				2012/8/22	Sunny	Sandy/skeletal	<30	460	760	0.20	Loamy/sandy/skeletal	<30	660	1,000	0.16
110	Nigorigawa River	Nigorigawabashi Bridge		2012/7/24	Cloudy	Loamy	<30	200	340	0.19	Sandy	<30	890	1,400	0.19
				2012/8/23	Sunny	Loamy/skeletal	<30	650	1,100	0.17	Loamy/skeletal	<30	680	1,100	0.18
111	Yamazakibashi Bridge			2012/7/24	Cloudy	Loamy	<30	470	780	0.24	Loamy/sandy	<30	400	630	0.20
				2012/8/22	Sunny	Loamy	<30	260	430	0.24	Loamy	<30	460	800	0.23
112	Inagawa River	Aryagibashi Bridge	Minamiaizumachi Town	2012/7/25	Cloudy	Loamy/sandy	<30	75	120	0.13	Loamy	<30	280	450	0.11
				2012/8/21	Sunny	Loamy/skeletal	<30	120	180	0.12	Sandy/loamy	<30	170	260	0.12
113	Kurosawabashi Bridge			2012/7/25	Cloudy	Sandy/loamy	<30	96	160	0.10	Sandy	<30	12	19	0.08
				2012/8/21	Sunny	Sandy	<30	<10	<10	0.08	Loamy	<30	68	110	0.08
114	Nishitanibashi Bridge			2012/7/25	Cloudy	Loamy	<30	41	73	0.08	Sandy	<30	13	27	0.09
				2012/8/21	Sunny	Loamy	<30	49	90	0.07	Loamy	<30	73	130	0.08
115	Tadamigawa River	Fujibashi Bridge	Aizubangemachi Town	2012/7/27	Cloudy	Sandy	<30	16	26	0.08	Sandy	<30	420	680	0.25
				2012/8/22	Sunny	Sandy	<30	23	45	0.06	Loamy	<37	8,200	13,000	0.23
116	Aganogawa River	Shingo Dam	Kitakataishi City	2012/7/26	Sunny	Loamy	<30	43	79	0.11	Loamy	<30	250	410	0.09
				2012/8/22	Sunny	Loamy/sandy	<30	280	470	0.12	Loamy	<30	140	220	0.10
117	Sukawa River	Sukawano		2012/7/27	Sunny	Sandy	<30	540	860	0.23	Sandy	<30	580	910	0.20
				2012/8/23	Sunny	Sandy	<30	200	270	0.18	Loamy/skeletal	<30	520	840	0.19
118	Nagasegawa River	Koganebashi Bridge		2012/7/27	Sunny	Loamy	<30	16	32	0.10	Loamy	<30	<10	11	0.08
				2012/8/23	Sunny	Clayish/loamy	<30	250	410	0.12	Loamy/sandy/skeletal	<30	<10	<10	0.06
119	Takahashigawa River	Shinbashi Bridge		2012/7/26	Sunny	Loamy	<30	1,100	1,800	0.15	Sandy	<30	260	420	0.13
				2012/7/26	Sunny	Sandy	<30	630	1,000	0.13	Sandy	<30	700	1,100	0.13
120	Kogurogawa River	Umehashashi Bridge		2012/7/26	Sunny	Loamy	<30	160	230	0.10	Sandy	<30	67	110	0.09
				2012/7/26	Sunny	Loamy	<30	240	380	0.13	Sandy	<30	150	220	0.08
121	Hishinunagawa River	Sekido District		2012/7/26	Sunny	Sandy	<30	240	380	0.13	Sandy	<30	150	220	0.08
				2012/7/26	Sunny	Loamy	<30	270	410	0.11	Loamy	<30	100	160	0.10
122	Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	2012/7/26	Cloudy	Sandy	<30	240	380	0.13	Sandy	<30	150	220	0.08
				2012/7/26	Sunny	Loamy	<30	270	410	0.11	Loamy	<30	100	160	0.10
123	Haragawa River	Estuary, front	Aizuwakamatsuchi City	2012/7/26	Sunny	Loamy	<30	270	410	0.11	Loamy	<30	100	160	0.10

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

* Collection 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

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	Radioactive cesium Cs-137	
1	Takei (farm pond)	Surface layer	2012/7/24	Cloudy	4.2	0.5	1.5	19	3	2	<1	<1	<1	
		Lower layer				3.2		20	180	120	<1	<1	<1	2
2	Uchizawa (farm pond)	Surface layer	2012/7/24	Cloudy	-	-	-	-	-	-	-	-	-	Unable to collect samples for water quality and radionuclide monitoring due to construction.
3	Matsugabo Dam (Utagawako Lake)	Surface layer	2012/8/6	Sunny	18.2	0.5	1.9	8	<1	1	<1	<1	<1	
		Lower layer				17.2		9	18	8	<1	<1	<1	<1
4	Mano Dam	Surface layer	2012/8/7	Sunny	47.4	0.5	4.0	6	<1	0	<1	<1	<1	Evacuation order lifting preparation areas
5	Ainosawa (farm pond)	Lower layer				46.4		8	4	2	<1	<1	<1	
6	Ganbe Dam Reservoir	Surface layer	2012/7/26	Cloudy	0.8	0.0	0.8	4	<1	1	<1	<1	<1	
		Lower layer				0.5		5	<1	0	<1	<1	<1	<1
7	Fugane Dam (farm pond)	Surface layer	2012/8/7	Sunny, then cloudy	4.1	3.1	2.7	6	19	4	<1	1	3	Living-restricted areas
8	Sasitoge (farm pond)	Surface layer	2012/7/26	Sunny	1.0	0.0	0.5	6	51	5	<1	2	2	
9	Sasitoge (farm pond)	Surface layer	2012/7/27	Sunny	0.5	0.0	0.5	3	2	2	<1	<1	<1	
10	Takanokura Dam Reservoir	Surface layer	2012/8/8	Rain	6.2	0.5	3.9	5	<1	1	<1	<1	<1	
		Lower layer				5.2		5	45	10	<1	1	2	
11	Yokokawa Dam Reservoir	Surface layer	2012/8/8	Cloudy	9.9	0.5	3.1	5	<1	0	<1	<1	<1	
		Lower layer				8.9		5	3	2	<1	<1	<1	<1
12	Tarayachi (farm pond)	Surface layer	2012/7/25	Cloudy	0.1	0.0	0.5	8	30	8	<1	<1	<1	
		Surface layer	2012/8/21	Sunny	0.2	0.0	>1	86	<1	1	<1	<1	<1	
13	Ryugasaki (farm pond)	Surface layer	2012/8/28	Sunny	0.5	0.0	0.5	6	10	3	<1	<1	<1	Evacuation order lifting preparation areas
14	Uwatashiro (farm pond)	Surface layer	2012/7/5	Sunny	0.3	0.0	>0.3	4	5	3	<1	1	<1	
15	Koakoto (farm pond)	Surface layer	2012/7/5	Cloudy	0.5	0.0	0.5	10	2	1	<1	<1	<1	Deliberate evacuation areas
16	Yosouchi (farm pond)	Surface layer	2012/7/26	Cloudy	0.5	0.0	0.5	5	<1	1	<1	<1	<1	
17	Myobusaku No. 2 (farm pond)	Surface layer	2012/7/25	Cloudy	0.5	0.0	0.5	12	<1	1	<1	<1	<1	
		Surface layer	2012/8/21	Sunny	0.4	0.0	>1	4	<1	1	<1	<1	<1	Evacuation order lifting preparation areas
18	Ogaki Dam	Surface layer	2012/7/26	Cloudy	0.8	0.0	>0.75	5	<1	0	<1	<1	<1	
		Surface layer	2012/8/28	Sunny	1.0	0.0	1.0	6	<1	0	<1	<1	<1	Restricted areas
19	Uenokawa (farm pond)	Surface layer	2012/7/5	Sunny	-	-	-	-	-	-	-	-	-	Deliberate evacuation areas Unable to collect samples due to drought.
20	Heigouri (farm pond)	Surface layer	2012/7/26	Sunny	0.3	0.0	0.3	4	2	1	<1	<1	1	Deliberate evacuation areas
21	Mekurasawa No. 2 (farm pond)	Surface layer	2012/7/4	Sunny	0.4	0.0	>0.4	10	8	5	<1	0	2	
22	Joroku (farm pond)	Surface layer	2012/7/4	Sunny	0.2	0.0	0.2	9	24	12	<1	2	3	Restricted areas
23	Furumichigawa Power Plant Dam	Surface layer	2012/8/21	Sunny	2.0	0.5	1.8	7	1	1	<1	<1	<1	
		Lower layer				1.0		7	17	3	<1	<1	<1	<1
24	Nishihaguro (farm pond)	Surface layer	2012/7/25	Cloudy	0.3	0.0	>0.25	9	3	2	<1	1	<1	
25	Sakashita Dam	Surface layer	2012/7/25	Cloudy	3.0	0.5	1.6	6	<1	1	<1	<1	<1	
		Lower layer				2.0		7	1	1	<1	<1	<1	<1
		Surface layer				0.5		7	<1	1	<1	<1	<1	<1
		Lower layer				18.4		7	57	25	<1	1	2	
26	Atamamori 2 (farm pond)	Surface layer	2012/7/13	Cloudy	0.5	0.0	>0.5	9	1	1	<1	<1	<1	Restricted areas
27	Yonomori (farm pond)	Surface layer	2012/7/4	Sunny	1.7	0.0	1.4	10	8	5	<1	2	2	
28	Takikawa Dam	Surface layer	2012/7/25	Cloudy	0.7	0.0	1.0	9	4	2	<1	<1	<1	
		Surface layer	2012/8/29	Sunny	0.6	0.0	1.0	7	5	2	<1	<1	<1	
29	Takinosawa (farm pond)	Surface layer	2012/7/4	Sunny	0.2	0.0	0.2	10	16	7	<1	<1	<1	
30	Kamisiageoka No. 1 (farm pond)	Surface layer	2012/7/4	Sunny	0.3	0.0	0.3	6	11	4	<1	<1	<1	1
		Surface layer	2012/9/4	Sunny	0.1	0.0	0.5	8	4	3	<1	<1	<1	
		Surface layer	2012/7/4	Sunny	0.8	0.0	0.8	11	3	1	<1	<1	<1	Evacuation order lifting preparation areas
31	Shimoshiageoka (farm pond)	Surface layer	2012/9/4	Sunny	0.5	0.0	0.6	8	3	2	<1	<1	<1	
32	Komachi Dam	Surface layer	2012/8/22	Sunny	7.2	0.5	1.4	8	<1	1	<1	<1	<1	
		Lower layer				6.2		13	220	65	<1	<1	<1	1
33	Kido Dam	Surface layer	2012/8/23	Sunny	34.2	0.5	2.6	5	<1	0	<1	<1	<1	
		Lower layer				33.2		5	6	3	<1	<1	<1	<1
34	Otsutsumi (farm pond)	Surface layer	2012/7/4	Cloudy	1.2	0.5	1.2	38	6	4	<1	<1	<1	
		Surface layer	2012/9/4	Sunny	0.9	0.0	0.7	52	3	2	<1	<1	<1	
35	Shimike (farm pond)	Surface layer	2012/7/27	Sunny	4.4	0.0	1.8	8	<1	1	<1	<1	<1	
		Surface layer	2012/8/27	Sunny	0.5	0.0	0.4	14	4	2	<1	<1	<1	
36	Kodama Dam Reservoir (Kodamako Lake)	Surface layer	2012/8/9	Cloudy	54.4	0.5	2.5	7	<1	1	<1	<1	<1	
		Lower layer				53.4		58	36	9	<1	<1	<1	<1
37	Kanorisutsumishita (farm pond)	Surface layer	2012/7/27	Sunny	0.1	0.0	>0.1	46	<1	0	<1	<1	<1	
		Surface layer	2012/8/27	Sunny	0.2	0.0	0.4	57	<1	1	<1	<1	<1	
38	Takashiba Dam Reservoir (Takashibako Lake)	Surface layer	2012/8/9	Sunny	20.9	0.5	1.7	10	2	2	<1	<1	<1	
		Lower layer				19.9		16	36	11	<1	<1	<1	<1
39	Shtoki Dam Reservoir	Surface layer	2012/8/10	Sunny	34.8	0.5	1.6	6	3	2	<1	<1	<1	
		Lower layer				33.8		13	130	64	<1	<1	<1	<1

OLake and Headwater: Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks
No.	Point	Municipality				Sampling depth m	Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
39	Surikamigawa Dam Reservoir	Surface layer	2012/7/24	Cloudy	67.7	0.5	3.6	5	<1	1	<1	<1	<1	
		Lower layer				66.7		10	4	<1	<1	<1		
40	Handanuma Lake (farm pond)	Surface layer	2012/7/5	Cloudy	0.5	0.0	>0.5	14	<1	1	<1	<1	<1	
41	Oike Pond (farm pond)	Surface layer	2012/7/24	Cloudy	0.7	0.0	>0.7	27	1	1	<1	<1	<1	
			2012/8/20	Sunny	1.6	0.0	1.6	6	2	1	<1	<1	<1	
42	Miharu Dam	Surface layer	2012/7/23	Sunny	25.3	0.5	0.9	21	2	2	<1	<1	<1	
		Lower layer				24.3		35	140	96	<1	<1	1	
		Surface layer	2012/8/22	Sunny	24.3	0.5	1.1	14	4	3	<1	<1	<1	
		Lower layer				23.3	15	4	3	<1	<1	<1		
43	Hounokusa (farm pond)	Surface layer	2012/7/25	Cloudy	1.0	0.0	>1	10	1	1	<1	<1	<1	
			2012/8/21	Sunny	0.7	0.0	0.7	11	2	1	<1	<1	<1	
44	Hatoriko Lake	Surface layer	2012/8/7	Sunny	17.8	0.5	4.0	4	<1	0	<1	<1	<1	
		Lower layer				16.8	5	78	23	<1	<1	1		
45	Hirodaira (farm pond)	Surface layer	2012/7/25	Cloudy	0.5	0.0	>0.5	12	2	1	<1	<1	<1	
		Surface layer	2012/8/22	Sunny	1.0	0.0	1.0	12	1	1	<1	<1	<1	
46	Sengosawa Dam Reservoir	Surface layer	2012/8/10	Cloudy	13.1	0.5	0.4	15	5	4	<1	<1	<1	
		Lower layer				12.1	4	77	32	<1	<1	<1		
47	Watarike Pond (farm pond)	Surface layer	2012/7/25	Cloudy	0.5	0.0	>0.5	21	<1	1	<1	<1	<1	
			2012/8/21	Sunny	0.8	0.0	0.8	19	10	4	<1	<1	<1	
48	Izumikawa (farm pond)	Surface layer	2012/7/25	Cloudy	0.2	0.0	>0.2	20	<1	1	<1	<1	<1	
			2012/8/21	Sunny	0.5	0.0	0.5	22	<1	1	<1	<1	<1	
49	Hokkawa Dam	Surface layer	2012/8/9	Cloudy	29.8	0.5	5.0	6	<1	0	<1	<1	<1	
		Lower layer				28.8	5	<1	0	<1	<1	<1		
50	Nanko Lake	Surface layer	2012/8/8	Sunny	1.4	0.0	>1	36	2	1	<1	<1	<1	
51	Nicchu Dam	Surface layer	2012/8/9	Sunny	37.4	0.5	1.7	13	<1	1	<1	<1	<1	
		Lower layer				36.4	76	40	18	<1	<1	<1		
52	Onuma Lake (farm pond)	Surface layer	2012/7/25	Cloudy	1.5	0.0	0.3	1	4	3	<1	<1	<1	
		Surface layer	2012/8/22	Sunny	1.0	0.0	0.3	8	8	5	<1	<1	<1	
53	Higashiyama Dam Reservoir	Surface layer	2012/8/9	Cloudy	35.8	0.5	3.2	5	<1	1	<1	<1	<1	
		Lower layer				34.8	6	2	<1	<1	<1			
54	Numazawako Lake	Surface layer	2012/8/2	Sunny	100.0	0.5	8.7	6	<1	0	<1	<1	<1	
		Lower layer				99.0	18	79	<1	2	3			
55	Terairi (farm pond)	Surface layer	2012/7/26	Sunny	0.9	0.0	0.6	1	2	1	<1	<1	<1	
		Surface layer	2012/8/3	Sunny	0.3	0.0	>1	1	1	1	<1	<1	<1	
56	Okawa Dam Reservoir	Surface layer	2012/8/3	Sunny	6.5	0.5	1.7	8	<1	1	<1	<1	<1	
		Lower layer				5.5	4	270	46	<1	<1	<1		
57	Tagokura Reservoir	Surface layer	2012/8/2	Sunny	65.2	0.5	4.1	3	<1	0	<1	<1	<1	
		Lower layer				64.2	3	<1	1	<1	<1			
58	Fukui (farm pond)	Surface layer	2012/7/25	Cloudy	0.9	0.0	0.9	0	4	3	<1	<1	<1	
		Surface layer	2012/8/21	Sunny	1.1	0.0	0.2	0	7	4	<1	<1	<1	
59	Tajima Dam Reservoir (Funchanako Lake)	Surface layer	2012/8/8	Cloudy	10.4	0.5	3.9	4	1	1	<1	<1	<1	
		Lower layer				9.4	5	46	12	<1	<1	<1		
60	Okutadami Reservoir	Surface layer	2012/8/2	Sunny	14.7	0.5	4.3	3	<1	1	<1	<1	<1	
		Lower layer				13.7	3	5	1	<1	<1	<1		
61	Ozenuma Lake	Surface layer	2012/8/28	Sunny	7.6	1.0	3.8	5	<1	1	<1	<1	<1	
		Lower layer				6.6	4	230	53	<1	<1	1		

*Sampling points are listed from north to south.

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	Soil			Air dose μ Sv/h		
						Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			Radioactive iodine I-131	Concentration of radioactive material Bq/kg (dry) Cs-134 Cs-137				
1	Takei (farm pond)	Shinchinachi Town	2012/7/24	Cloudy	4.2	15	42	Silt	<30	2,000	3,100	Loamy	<30	980	1,500	0.32		
2	Uchizawa (farm pond)	Somashi City	2012/7/24	Cloudy	-	-	-	-	-	-	-	Loamy	<30	600	990	0.20	Notes on collect samples for water quality and radionuclide monitoring due to construction	
3	Matsugahbo Dam (Uttagawako Lake)		2012/8/6	Sunny	18.2	5	46	Silt	<30	1,900	3,000	Sandy	<30	1,100	1,900	0.73		
4	Mano Dam		2012/8/7	Sunny	47.4	5	75	Sand	<30	3,400	5,400	Loamy	<30	2,100	3,300	1.24	Evacuation order lifting preparation areas	
5	Ainosawa (farm pond)		2012/7/26	Cloudy	0.3	3	61	Sludge	<78	23,000	36,000	Loamy	<47	9,100	14,000	4.19		
6	Gaibe Dam Reservoir	Itatemura Village	2012/8/7	Sunny, then cloudy	4.1	5	67	Silt	<36	7,000	11,000	Loamy	<41	6,800	11,000	3.54		
7	Fiugane Dam (farm pond)		2012/7/26	Sunny	1.0	3	60	Sludge	<32	4,600	7,400	Leaf mold	<34	6,100	9,400	3.63	Living-restricted areas	
8	Sasotoge (farm pond)		2012/7/27	Sunny	0.5	3	70	Sand	<30	1,800	2,900	Loamy	<60	19,000	30,000	3.83		
9	Takanokura Dam Reservoir		2012/8/8	Rain	6.2	5	81	Sand	<30	4,700	7,700	Loamy	<44	11,000	17,000	2.21		
10	Yokokawa Dam Reservoir		2012/8/8	Cloudy	9.0	5	73	Mud/sand	<43	9,900	16,000	Loamy	<30	3,000	4,700	2.18		
11	Tarayachi (farm pond)	Minamisomashi City	2012/7/25	Cloudy	0.1	3	91	Sand	<30	160	260	Loamy	<35	4,700	7,400	1.24	Former evacuation-prepared areas in case of emergency	
12	Ryugasaku (farm pond)		2012/8/21	Sunny	0.2	5	66	Mud	<30	2,900	4,700	Loamy	<30	3,300	5,300	1.44		
13	Uwatasuro (farm pond)	Kawamatamachi Town	2012/8/28	Sunny	0.5	3	39	Sand/silt	<88	18,000	29,000	Loamy	<30	1,700	2,900	1.04	Evacuation order lifting preparation areas	
14	Uwatasuro (farm pond)		2012/7/5	Sunny	0.3	2	69	Sand	<30	1,600	2,600	Loamy	<30	2,600	4,000	1.24		
15	Yoseichi (farm pond)	Namiemachi Town	2012/7/5	Cloudy	0.5	2	50	Mud/sand	<89	22,000	34,000	Loamy	<81	29,000	45,000	14.29	Deliberate evacuation areas	
16	Myobusaku No. 2 (farm pond)	Minamisomashi City	2012/7/25	Cloudy	0.5	3	76	Silt	<30	840	1,400	Loamy	<30	690	1,100	0.44	Evacuation order lifting preparation areas	
17	Okaki Dam	Namiemachi Town	2012/8/21	Sunny	0.4	3	73	Sand	<30	2,100	3,700	Loamy	<30	970	1,600	0.44		
18	Utsukawa (farm pond)	Katsuraoomura Village	2012/7/26	Cloudy	0.8	3	90	Sand	<40	3,100	5,100	Loamy	<95	47,000	74,000	18.54	Restricted areas	
19	Heigori (farm pond)	Katsuraoomura Village	2012/7/5	Sunny	1.0	3	90	Sand	<30	5,100	8,500	Sandy/skeletal	<51	22,000	36,000	16.30		
20	Mekurasawa No. 2 (farm pond)	Namiemachi Town	2012/7/26	Sunny	0.3	2	33	Mud	<66	8,200	13,000	Loamy	<30	6,100	1,000	1.00	Deliberate evacuation areas	
21	Joroku (farm pond)	Namiemachi Town	2012/7/4	Sunny	0.2	2	88	Sand/gravel	<30	4,400	7,300	Loamy	<44	11,000	19,000	3.57	Restricted areas	
22	Furumichigawa Power Plant Dam	Tamurashi City	2012/8/21	Sunny	2.0	3	54	Mud	<52	2,900	4,700	Sandy	<30	1,600	2,500	0.47	Evacuation order lifting preparation areas	
23	Nishihaguro (farm pond)	Futatabimachi Town	2012/7/25	Cloudy	0.3	2	71	Silt	<46	25,000	40,000	Loamy	<49	11,000	18,000	6.95		
24	Sakashita Dam	Okumamachi Town	2012/7/25	Cloudy	3.0	15	40	Silt	<46	5,800	9,300	Sandy	<30	260	410	0.71		
25	Atamori 2 (farm pond)		2012/8/29	Sunny	19.4	5	66	Silt	<40	6,600	11,000	Sandy	<30	340	550	1.16		
26	Yononori (farm pond)		2012/7/13	Cloudy	0.5	10	71	Silt	<30	3,700	5,700	Loamy	<65	20,000	31,000	4.02	Restricted areas	
27	Takikawa Dam	Tomokamachi Town	2012/7/4	Sunny	1.7	3	58	Silt	<76	24,000	38,000	Loamy	<30	3,800	6,000	6.06		
28	Takimosawa (farm pond)		2012/7/25	Cloudy	0.7	3	62	Sand	<50	11,000	17,000	Loamy	<45	12,000	19,000	2.97		
29	Kamisigeoka No. 1 (farm pond)		2012/8/29	Sunny	0.6	2	69	Silt	<30	2,900	4,700	Loamy	<37	10,000	17,000	3.70		
30	Shimosigeoka (farm pond)	Narahamachi Town	2012/7/4	Sunny	0.2	3	57	Silt	<36	5,100	8,100	Loamy	<41	7,000	11,000	1.50		
31	Komachi Dam	Onomachi Town	2012/7/4	Sunny	0.3	2	85	Sand	<59	26,000	41,000	Loamy	<30	4,500	7,100	2.01		
32	Kado Dam		2012/9/4	Sunny	0.1	5	79	Sand	<30	3,600	5,900	Loamy	<30	4,200	6,700	1.95	Evacuation order lifting preparation areas	
33	Otsutsumi (farm pond)	Narahamachi Town	2012/7/4	Cloudy	1.2	2	65	Silt	<30	2,400	3,800	Loamy	<30	500	800	0.71	Evacuation order lifting preparation areas	
34	Shimke (farm pond)		2012/7/4	Sunny	0.8	2	80	Silt	<32	7,100	11,000	Loamy	<30	1,400	2,200	0.97		
35	Kodama Dam Reservoir (Kodamako Lake)		2012/9/4	Sunny	0.5	1	32	Mud	<130	29,000	48,000	Sandy	<30	3,100	5,000	0.94		
36	Kanorisutsumishita (farm pond)	Itwakishi City	2012/8/27	Sunny	0.5	3	66	Mud/leaf mold	<30	190	310	Sandy	<30	500	790	0.33		
37	Takashiha Dam Reservoir (Takashibako Lake)		2012/8/9	Cloudy	54.4	3	43	Silt	<30	880	1,400	Loamy	<30	530	850	0.19		
38	Shitaki Dam Reservoir		2012/7/27	Sunny	0.1	3	75	Sand	<30	1,180	300	Sandy	<30	450	700	0.34		
			2012/8/27	Sunny	0.2	5	46	Mud/leaf mold	<30	1,100	1,700	Loamy/skeletal	<30	200	830	0.27		
			2012/8/9	Sunny	20.9	5	54	Silt	<30	300	500	Loamy	<30	550	890	0.25		
			2012/8/10	Sunny	34.8	5	50	Silt	<30	360	570	Loamy/sandy	<30	2,500	3,900	0.35		

OLake and Headwater: Sediment and Surrounding Environment (Lake Shore) Monitoring Results

Sampling point		Sampling date	Weather	Full depth m	Sediment						Surrounding environment (lake shore)					Remarks
					General items			Concentration of radioactive material Bq/kg (dried mud)			Soil			Air dose μ Sv/h		
					Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Property	Concentration of radioactive material Bq/kg (dry)				
No.	Point	Municipality														
39	Surikamigawa Dam Reservoir	Fukushima City	2012/7/24	Cloudy	67.7	10	56	Silt	<30	980	1,600	Loamy	<30	230	360	0.21
40	Handanuma Lake (farm pond)	Korimachi Town	2012/7/5	Cloudy	0.5	5	Gravel/sand	<30	400	650	Loamy	<30	3,300	5,300		0.89
41	Okke Pond (farm pond)	Motomiya City	2012/7/24	Cloudy	0.7	1	Sand	<30	810	1,300	Leaf mold	<30	1,500	2,400		1.34
			2012/8/20	Sunny	1.6	3	Sand	<30	260	420	Loamy	<30	1,400	2,200		1.19
42	Miharu Dam	Miharumachi Town	2012/7/23	Sunny	25.3	5	Silt	<30	1,400	2,300	Loamy	<30	660	1,000		0.23
			2012/8/22	Sunny	24.3	5	Silt	<30	1,700	2,700	Loamy	<30	300	460		0.28
43	Hounokusa (farm pond)	Koriyamashi City	2012/7/25	Cloudy	1.0	4	Sandy	<30	1,600	2,600	Sandy	<30	1,600	2,600		0.65
			2012/8/21	Sunny	0.7	3	Sand	<30	550	900	Sandy	<30	2,700	4,400		0.57
44	Hatoriko Lake	Tenemura Village	2012/8/7	Sunny	17.8	10	Silt	<30	750	1,200	Loamy	<30	460	740		0.26
45	Hirodaira (farm pond)	Sukagawashi City	2012/7/25	Cloudy	0.5	2	Mud	<30	54	85	Loamy	<30	150	230		0.21
			2012/8/22	Sunny	1.0	3	Sand	<30	80	83	Sandy	<30	580	950		0.19
46	Sengosawa Dam Reservoir	Ishikawamachi Town	2012/8/10	Cloudy	13.1	10	Silt	<30	1,000	1,700	Loamy	<30	470	750		0.20
47	Watarike Pond (farm pond)	Yabukimachi Town	2012/7/25	Cloudy	0.5	3	Mud	<30	24	39	Loamy	<30	2,000	3,100		0.26
			2012/8/21	Sunny	0.8	2	Sand	<30	54	90	Loamy	<30	350	600		0.17
48	Izumikawa (farm pond)	Shirakawashi City	2012/7/25	Cloudy	0.2	2	Sand	<30	270	450	Loamy	<30	2,600	4,200		0.77
			2012/8/21	Sunny	0.5	3	Sand	<30	310	510	Loamy	<30	1,300	2,100		0.60
49	Hokkawa Dam	Nishigamura Village	2012/8/9	Cloudy	29.8	10	Silt	<30	1,900	3,200	Loamy	<30	2,500	3,900		0.50
50	Nanko Lake	Shirakawashi City	2012/8/8	Sunny	1.4	5	Silt	<30	210	370	Loamy/sandy	<30	900	1,500		0.49
51	Niechu Dam	Kitakata City	2012/8/9	Sunny	37.4	10	Sludge	<30	870	1,400	Loamy	<30	120	200		0.16
52	Onuma Lake (farm pond)	Nishiazumachi Town	2012/7/25	Cloudy	1.5	1	Leaf mold	<30	290	430	Loamy/skeletal/sandy	<30	12	22		0.08
			2012/8/22	Sunny	1.0	3	Silt+Leaf mold	<30	190	320	Loamy/skeletal	<30	31	51		0.07
53	Higashiyama Dam Reservoir	Aizuwakamatsushi City	2012/8/9	Cloudy	35.8	15	Silt	<30	70	150	Loamy/skeletal	<30	300	490		0.15
54	Numazawako Lake	Kaneyamamachi Town	2012/8/2	Sunny	100.0	5	Silt	<30	50	110	Sandy	<30	330	550		0.14
55	Terairi (farm pond)	Aizumisatomachi Town	2012/7/26	Sunny	0.9	3	Gravel	<30	120	190	Loamy	<30	79	110		0.08
			2012/8/21	Sunny	0.3	3	Sand/silt	<30	500	830	Clayish/loamy	<30	120	220		0.10
56	Okawa Dam Reservoir	Aizuwakamatsushi City	2012/8/3	Sunny	6.3	5	Silt	<30	78	140	Loamy	<30	160	260		0.09
57	Tagakura Reservoir		2012/8/2	Sunny	65.2	10	Silt	<30	79	150	Loamy	<30	22	46		0.08
58	Fukui (farm pond)	Tadamimachi Town	2012/7/25	Cloudy	0.9	5	Sand	<30	<10	<10	Gravel/loamy	<30	50	82		0.12
			2012/8/21	Sunny	1.1	3	Sand	<30	<10	<10	Loamy	<30	82	150		0.11
59	Tajima Dam Reservoir (Funchanako Lake)	Minamiazumachi Town	2012/8/8	Cloudy	10.4	5	Silt	<30	77	130	Loamy	<30	31	49		0.06
60	Okutadami Reservoir	Tadamimachi Town	2012/8/2	Sunny	14.7	10	Silt/sand	<30	31	66	Leaf mold	<30	240	390		0.06
61	Ozenuma Lake	Hinoemimura Village	2012/8/28	Sunny	7.6	12	Sludge	<30	120	190	Leaf mold	<30	69	130		0.07

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

*Sampling points are listed from north to south.

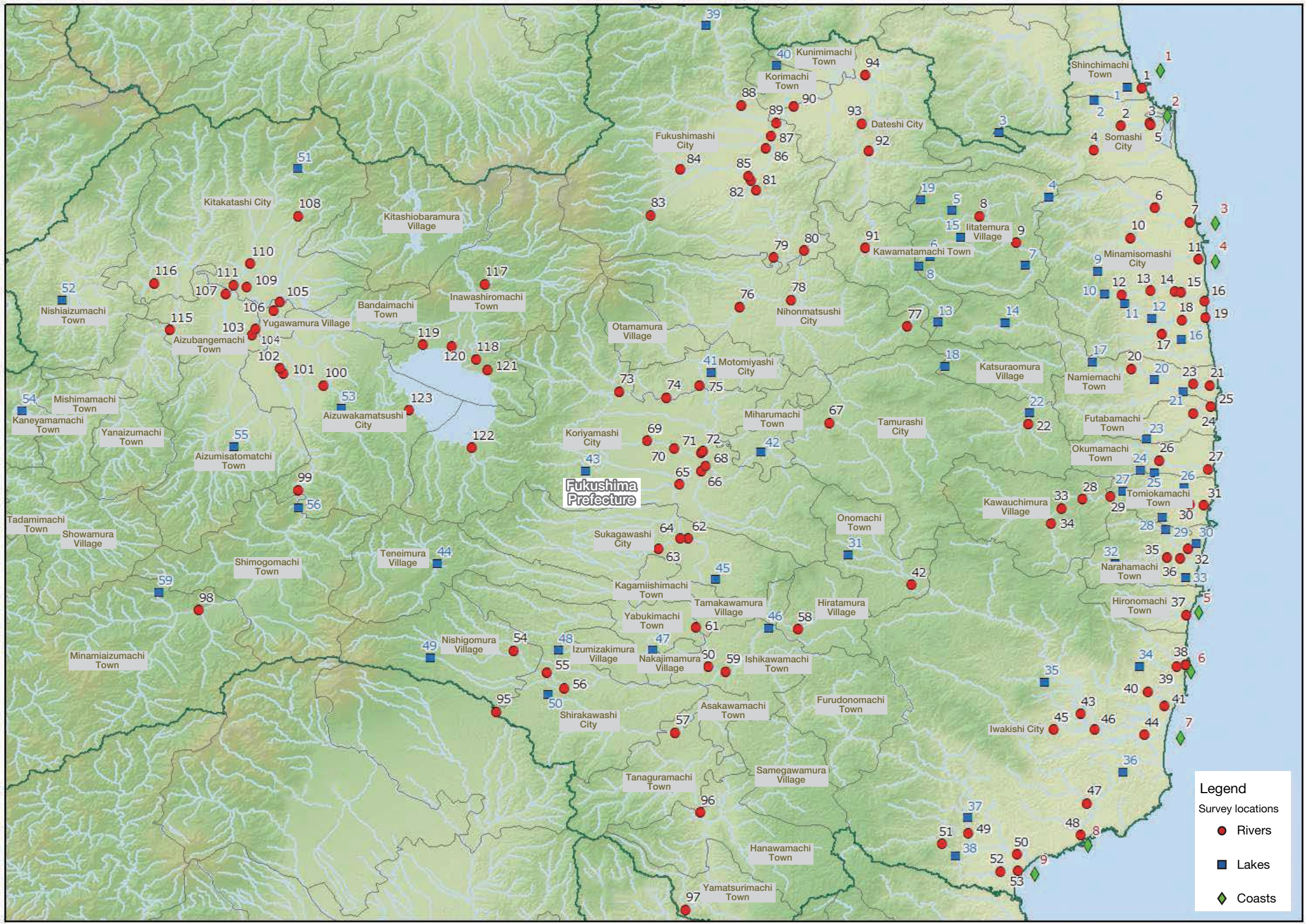
○Sea Area: Water Quality Monitoring Results

Sampling point		Sampling date	Weather	Full depth m	General items				Concentration of radioactive material Bq/L			Remarks	
No.	Water body				Sampling depth m	Secchi disk depth m	Salinity ‰	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Cs-137
1	Neighboring sea area of Soso Approx. 2,000 m offshore of Tsurushihama Fishing Port	2012/7/24	Cloudy	14.0	Surface layer	0.5	4.5	27	4	1	<1	<1	<1
					Lower layer	13.0		30	11	5	<1	<1	<1
		2012/8/28	Cloudy	12.0	Surface layer	0.5	29	4	2	<1	<1	<1	
					Lower layer	11.0	30	3	2	<1	<1	<1	
2	Matsukawaura sea area Around center of Fishing Right Area-1	2012/7/25	Cloudy	1.9	Surface layer	0.5	1.9	28	2	1	<1	<1	<1
					Lower layer	0.9	28	1	2	<1	<1	<1	
		2012/8/31	Sunny	1.2	0.5	1.2	27	6	3	<1	<1	<1	
3	Neighboring sea area of Soso Approx. 2,000 m offshore of Manogawa River	2012/7/26	Sunny	19.0	Surface layer	0.5	8.0	28	2	1	<1	<1	<1
					Lower layer	18.0		30	2	1	<1	<1	<1
		2012/8/30	Sunny	18.0	Surface layer	0.5	29	4	3	<1	<1	<1	
					Lower layer	17.0	30	3	3	<1	<1	<1	
4	Neighboring sea area of Haramachi City Approx. 1,000 m offshore of Niidagawa River	2012/7/27	Cloudy, then sunny	10.5	Surface layer	0.5	5.0	27	2	1	<1	<1	<1
					Lower layer	9.5		29	7	2	<1	<1	<1
		2012/8/29	Cloudy	6.5	Surface layer	0.5	30	4	2	<1	<1	<1	
					Lower layer	5.5	30	2	2	<1	<1	<1	
5	Approx. 1,000 m offshore of Asamigawa River estuary	2012/7/7	Rain	10.1	Surface layer	0.5	5.5	28	2	2	<1	<1	<1
					Lower layer	9.1		31	2	3	<1	<1	<1
		2012/8/17	Sunny	10.0	Surface layer	0.5	29	3	5	<1	<1	<1	
					Lower layer	9.0	30	4	2	<1	<1	<1	
6	Approx. 1,000 m offshore of Ohisagawa River Estuary	2012/7/7	Rain	10.4	Surface layer	0.5	2.5	27	2	2	<1	<1	<1
					Lower layer	9.4		30	<1	3	<1	<1	<1
		2012/8/17	Sunny	9.0	Surface layer	0.5	30	2	2	<1	<1	<1	
					Lower layer	8.0	30	12	5	<1	<1	<1	
7	Neighboring sea area of Iwakishi City Approx. 1,500 m offshore of Natsugawa River	2012/7/7	Rain	17.3	Surface layer	0.5	7.0	30	<1	2	<1	<1	<1
					Lower layer	16.3		31	<1	3	<1	<1	<1
		2012/8/17	Sunny	16.0	Surface layer	0.5	30	3	2	<1	<1	<1	
					Lower layer	15.0	31	6	3	<1	<1	<1	
8	Onahama Port Approx. 400 m north of Nishibouhatei No. 2	2012/7/8	Sunny	15.5	Surface layer	0.5	2.5	21	2	3	<1	<1	<1
					Lower layer	14.5		30	2	4	<1	<1	<1
		2012/8/18	Cloudy, then sunny	14.7	Surface layer	0.5	27	3	2	<1	<1	<1	
					Lower layer	13.7	30	6	3	<1	<1	<1	
9	Joban coastal sea area Approx. 1,000 m offshore of Bindagawa River	2012/7/8	Sunny	17.2	Surface layer	0.5	5.0	26	2	3	<1	<1	<1
					Lower layer	16.2		29	<1	3	<1	<1	<1
		2012/8/18	Sunny	16.8	Surface layer	0.5	28	4	5	<1	<1	<1	
					Lower layer	15.8	30	4	2	<1	<1	<1	

○Sea Area: Sediment Monitoring Result

Sampling point		Sampling date	Weather	Full depth m	Sediment				Remarks		
No.	Water body				Mud sampling depth cm	Mud content %	Property	Concentration of radioactive material Bq/kg (dried mud)			
						Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				
1	Neighboring sea area of Soso Approx. 2,000 m offshore of Tsurushihama Fishing Port	2012/7/24	Cloudy	14.0	5	77	Sand	<30	120	200	
		2012/8/28	Cloudy	12.0	3	84	Sand	<30	24	38	
2	Matsukawaura sea area Around center of Fishing Right Area-1	2012/7/25	Cloudy	1.9	10	80	Sand	<30	110	190	
		2012/8/31	Sunny	1.2	5	83	Sand	<30	64	100	
3	Neighboring sea area of Soso Approx. 2,000 m offshore of Manogawa River	2012/7/26	Sunny	19.0	3	82	Sand	<30	46	60	
		2012/8/30	Sunny	18.0	3	85	Sand	<30	15	23	
4	Neighboring sea area of Haramachi City Approx. 1,000 m offshore of Niidagawa River	2012/7/27	Cloudy, then sunny	10.5	5	84	Sand	<30	110	180	
		2012/8/29	Cloudy	6.5	2	85	Sand	<30	110	170	
5	Approx. 1,000 m offshore of Asamigawa River estuary	2012/7/7	Rain	10.1	5	84	Sand	<30	230	340	
		2012/8/17	Sunny	10.0	5	82	Sand	<30	180	290	
6	Approx. 1,000 m offshore of Ohisagawa River Estuary	2012/7/7	Rain	10.4	5	87	Sand	<30	56	97	
		2012/8/17	Sunny	9.0	3	85	Sand	<30	76	120	
7	Neighboring sea area of Iwakishi City Approx. 1,500 m offshore of Natsugawa River	2012/7/7	Rain	17.3	5	86	Sand	<30	67	89	
		2012/8/17	Sunny	16.0	5	83	Sand	<30	59	100	
8	Onahama Port Approx. 400 m north of Nishibouhatei No. 2	2012/7/8	Sunny	15.5	10	69	Sludge	<30	230	360	
		2012/8/18	Cloudy, then sunny	14.7	10	72	Sludge	<30	180	300	
9	Joban coastal sea area Approx. 1,000 m offshore of Bindagawa River	2012/7/8	Sunny	17.2	5	78	Sand	<30	110	170	
		2012/8/18	Sunny	16.8	5	77	Sand	<30	84	130	

*Sampling points are listed from north to south.



Fukushima Prefecture

Legend

Survey locations

● Rivers

■ Lakes

◆ Coasts