

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

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

Samples taken from the surface water bodies of Fukushima Prefecture during the period of April 29-June 20, 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

120 environmental reference points, etc. in the surface water bodies within Fukushima Prefecture
(Rivers: 120 locations)

(2) Survey Method

- Measurement of concentrations of radioactive materials (radioactive cesium (Cs-134 and Cs-137), etc.) in water and sediment
- Measurement of concentrations of radioactive materials and spatial dose-rate in soil in the surrounding environment of water and sediment sample collection points (river terraces, etc.)

2. Outline of Results (* denotes the results of the previous survey)

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

Cs-134: Not detectable (ND)-1Bq/L

Cs-137: ND-2Bq/L

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

(*Cs-137: ND-1Bq/L)

<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))

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

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

(*Cs-134: ND-38,000Bq/kg) (dried mud)

(*Cs-137: ND-54,000Bq/kg) (dried mud)

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

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

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

(* Cs-134: ND-29,000Bq/kg (dry))

(* Cs-137: ND-40,000Bq/kg (dry))

Spatial dose: 0.07-9.40 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.

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

(Annex)

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	Hamatabashi Bridge	Shinchimachi Town	2012/5/21	Cloudy	3.00	0.0	49	3	4	2	<1	<1	<1	<1	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2012/5/22	Light rain	0.45	0.0	44	18	5	3	<1	<1	<1	<1	
3		Hyakkenbashi Bridge	Somashi City	2012/5/22	Light rain	0.25	0.0	27	267	11	7	<1	<1	<1	<1	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2012/5/22	Cloudy	0.60	0.0	>100	9	<1	1	<1	<1	<1	<1	
5		Hyakkenbashi Bridge	Somashi City	2012/5/22	Cloudy	0.20	0.0	>100	151	<1	1	<1	<1	<1	<1	
6	Manogawa River	Ochiabashi Bridge	Minamisomashi City	2012/5/22	Cloudy	0.45	0.0	>100	9	<1	1	<1	<1	<1	<1	
7		Majimabashi Bridge	Minamisomashi City	2012/6/13	Cloudy	3.60	0.0	69	18	<1	1	<1	<1	<1	<1	
8	Niidagawa River	Kusano	Itatemura Village	2012/6/14	Cloudy	0.50	0.0	88	7	2	1	<1	<1	<1	<1 Living-restricted areas	
9		Itatemura Village	Komiva	2012/6/14	Cloudy	0.20	0.0	82	7	2	1	<1	<1	<1	<1 Living-restricted areas	
10	Kaijouchibashi Bridge	Minamisomashi City	2012/6/13	Light rain	1.80	0.0	79	7	1	1	<1	<1	<1	<1	<1	
11		Sakckawabashi Bridge	Minamisomashi City	2012/6/13	Light rain	1.50	0.0	83	9	1	1	<1	<1	<1	<1	<1
12	Ishiwatadobashi Bridge	Minamisomashi City	2012/6/13	Light rain	0.70	0.0	>100	5	<1	1	<1	<1	<1	<1	<1	
13		Kaminouchibashi Bridge	Minamisomashi City	2012/6/13	Light rain	0.80	0.0	>100	5	2	1	<1	<1	<1	<1	<1
14	Otagawa River	Masudabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	0.50	0.0	>100	6	<1	1	<1	<1	<1	<1	<1
15		JR Tetsudobashi Bridge	Minamisomashi City	2012/6/12	Cloudy	0.30	0.0	>100	6	2	1	<1	<1	<1	<1	<1
16	Maruyabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	0.15	0.0	72	181	4	2	<1	<1	<1	<1	<1 Evacuation order lifting preparation areas	
17		Shimokawabashi Bridge	Minamisomashi City	2012/6/13	Cloudy	0.25	0.0	>100	9	<1	2	<1	<1	<1	<1	<1 Evacuation order lifting preparation areas
18	Odakagawa River	Zenchobashi Bridge	Minamisomashi City	2012/6/13	Cloudy	0.50	0.0	80	10	9	3	<1	<1	<1	<1	<1 Evacuation order lifting preparation areas
19		Hatsukarabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	0.30	0.0	35	761	3	2	<1	<1	<1	<1	<1 Evacuation order lifting preparation areas
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2012/6/14	Cloudy	0.25	0.0	>100	5	<1	<1	<1	<1	<1	<1	<1 Restricted areas
21		Ukedobashi Bridge	Namiemachi Town	2012/6/13	Cloudy	0.25	0.0	94	15	2	3	<1	<1	<1	<1	<1 Restricted areas
22	Furumichigawa River	Before the confluence with Takasegawa River	Tamurashi City	2012/6/14	Sunny	0.40	0.0	66	7	6	4	<1	<1	<1	<1	<1 Evacuation order lifting preparation areas
23		Misakoimachi Town	Ketobashi Bridge	Namiemachi Town	2012/6/13	Cloudy	0.40	0.0	91	6	1	3	<1	<1	<1	<1
24	Maedagawa River	National Route 6, west	Futabamachi Town	2012/6/14	Cloudy	0.40	0.0	>100	11	2	1	<1	<1	<1	<1	<1 Restricted areas
25		Nakahamabashi Bridge	Namiemachi Town	2012/6/14	Cloudy	0.20	0.0	87	32	6	3	<1	<1	<1	<1	<1 Restricted areas
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/6/14	Cloudy	0.60	0.0	>100	7	<1	1	<1	<1	<1	<1	<1 Restricted areas
27		Mikumabashi Bridge	Okumamachi Town	2012/6/14	Cloudy	0.80	0.0	>100	10	1	1	<1	<1	<1	<1	<1 Restricted areas
28	Tomikagawa River	National Route 6, west	Tomokamachi Town	2012/6/13	Cloudy	0.80	0.0	>100	8	<1	1	<1	<1	<1	<1	<1 Restricted areas
29		Kobamabashi Bridge	Tomokamachi Town	2012/6/13	Cloudy	0.70	0.0	>100	9	<1	<1	<1	<1	<1	<1	<1 Restricted areas
30	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2012/6/12	Cloudy	0.50	0.0	>100	8	<1	1	<1	<1	<1	<1	<1 Restricted areas
31		Nishiyamabashi Bridge	Kawauchimura Village	2012/6/12	Cloudy	1.00	0.0	>100	4	<1	1	<1	<1	<1	<1	<1
32	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/6/13	Cloudy	0.30	0.0	>100	5	<1	1	<1	<1	<1	<1	<1 Restricted areas
33		Kidokawabashi Bridge	Narahamachi Town	2012/6/12	Cloudy	0.20	0.0	>100	4	<1	1	<1	<1	<1	<1	<1 Restricted areas
34	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2012/5/24	Sunny	0.20	0.0	>100	9	<1	1	<1	<1	<1	<1	<1
35		Kagesobashi Bridge	Iwakishi City	2012/5/24	Sunny	0.35	0.0	52	45	9	3	<1	<1	<1	<1	<1
36	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2012/5/24	Sunny	0.75	0.0	48	41	5	6	<1	<1	<1	<1	<1
37		Kasumidabashi Bridge	Iwakishi City	2012/5/24	Sunny	0.30	0.0	30	16	14	8	<1	<1	<1	<1	<1
38	Niidagawa River	Matsubashi Bridge	Iwakishi City	2012/5/23	Cloudy	2.00	0.0	18	15	22	9	<1	<1	<1	<1	<1
39		Kitanouchibashi Bridge	Onomachi Town	2012/5/23	Cloudy	0.40	0.0	36	11	9	3	<1	<1	<1	<1	<1
40	Natsugawa River	Kvadavubashi Bridge	Iwakishi City	2012/5/23	Cloudy	1.00	0.0	35	97	10	3	<1	<1	<1	<1	<1
41		Rokunumabashi Bridge	Iwakishi City	2012/5/23	Sunny, then cloudy	1.20	0.0	33	14	11	4	<1	<1	<1	<1	<1
42	Yoshimigawa River	Iwanatsuribashi Bridge	Iwakishi City	2012/5/23	Cloudy	0.50	0.0	95	8	3	2	<1	<1	<1	<1	<1
43		Before the confluence with Natsugawa River	Iwakishi City	2012/5/23	Sunny	0.50	0.0	62	16	4	2	<1	<1	<1	<1	<1
44	Fujiwargawa River	Shimabashi Bridge	Iwakishi City	2012/5/24	Sunny	0.20	0.0	58	94	8	4	<1	<1	<1	<1	<1
45		Minatohoshi Bridge	Iwakishi City	2012/5/22	Cloudy	0.60	0.0	37	3	6	2	<1	<1	<1	<1	<1
46	Samegawa River	Idosawabashi Bridge	Iwakishi City	2012/5/22	Rain	0.30	0.0	57	10	3	2	<1	<1	<1	<1	<1
47		Samewabashi Bridge	Iwakishi City	2012/5/22	Rain	1.00	0.0	33	255	6	3	<1	<1	<1	<1	<1
48	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2012/5/22	Rain	0.40	0.0	12	6	9	3	<1	<1	<1	<1	<1
49		Kobanabashi Bridge	Iwakishi City	2012/5/22	Cloudy	0.40	0.0	37	24	6	3	<1	<1	<1	<1	<1
50	Bindabashi Bridge	Iwakishi City	2012/5/22	Rain	1.00	0.0	51	193	9	4	<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, Hamadori Area) : Sediment Monitoring Results

No.	Water body	Sampling point		Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)			Remarks
		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	2012/5/21	Cloudy	3.00	3	73	Mud/sand	<30	400	580	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2012/5/22	Light rain	0.45	3	94	Earth	<30	91	140	
3		Hyakkenbashi Bridge	Somashi City	2012/5/22	Light rain	0.25	3	79	Sand	<30	610	960	
4		Horsakabashi Bridge	Somashi City	2012/5/22	Cloudy	0.60	5	94	Sand	<30	390	580	
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2012/5/22	Cloudy	0.20	3	93	Sand	<30	40	69	
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2012/5/22	Cloudy	0.45	3	93	Sand	<30	150	240	
7		Majimbashi Bridge	Minamisomashi City	2012/6/13	Cloudy	3.60	3	78	Sand	<30	720	1,100	
8	Niidagawa River	Kusano	Iitamura Village	2012/6/14	Cloudy	0.50	2	94	Sand/gravel	<30	430	660	Living-restricted areas
9		Iitamura Village	Iitamura Village	2012/6/14	Cloudy	0.20	3	91	Sand	<30	1,300	2,000	Living-restricted areas
10		Kidouchubashi Bridge	Minamisomashi City	2012/6/13	Light rain	1.80	7	88	Sand	<30	1,500	2,300	
11	Otawaga River	Sakakawabashi Bridge	Minamisomashi City	2012/6/13	Light rain	1.50	3	90	Sand	<30	600	930	
12		Ishiwatabashi Bridge	Minamisomashi City	2012/6/13	Light rain	0.70	2	95	Gravel/sand	<30	5,700	9,000	
13		Kamimouchibashi Bridge	Minamisomashi City	2012/6/13	Light rain	0.80	3	92	Sand	<30	4,400	6,900	
14		Masudabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	0.50	2	76	Sand/gravel	<35	7,300	11,000	
15		JR Tetsudobashi Bridge	Minamisomashi City	2012/6/12	Cloudy	0.30	3	93	Sandy	<30	490	790	
16		Maruyamabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	0.15	2	95	Sandy	<30	51	70	Evacuation order lifting preparation areas
17		Shimokawarabashi Bridge	Minamisomashi City	2012/6/13	Cloudy	0.25	3	94	Sandy	<30	740	1,200	Evacuation order lifting preparation areas
18	Odakagawa River	Zenshubashi Bridge	Minamisomashi City	2012/6/13	Cloudy	0.50	2	92	Sandy	<30	260	440	Evacuation order lifting preparation areas
19		Hatsukarabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	0.30	2	92	Sandy	<30	35	70	Evacuation order lifting preparation areas
20	Muroharabashi Bridge	Namiemachi Town	2012/6/14	Cloudy	0.25	2	65	Silt	<120	65,000	100,000	Restricted areas	
21	Ukedogawa River	Ukedobashi Bridge	Namiemachi Town	2012/6/13	Cloudy	0.25	2	92	Sand/gravel	<30	4,800	7,600	Restricted areas
22	Furumichigawa River	Before the confluence with Takasegawa River (Mivakoiimachi Town)	Tamurashi City	2012/6/14	Sunny	0.40	3	81	Sandy	<30	380	570	Evacuation order lifting preparation areas
23	Takasegawa River	Keobashi Bridge	Namiemachi Town	2012/6/13	Cloudy	0.40	2	90	Sandy	<30	2,000	3,000	Restricted areas
24	Maedagawa River	National Route 6, west	Tarabamachi Town	2012/6/14	Cloudy	0.40	3	95	Sand/gravel	<30	2,100	3,200	Restricted areas
25		Nakahamabashi Bridge	Namiemachi Town	2012/6/14	Cloudy	0.20	3	88	Sandy	<30	2,600	4,100	Restricted areas
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/6/14	Cloudy	0.60	5	94	Gravel/sand	<30	1,300	1,900	Restricted areas
27		Mikumabashi Bridge	Okumamachi Town	2012/6/14	Cloudy	0.80	5	73	Silt	<47	16,000	25,000	Restricted areas
28	Tomioagawa River	National Route 6, west	Tomokamachi Town	2012/6/13	Cloudy	0.80	5	92	Gravel/sand	<30	1,400	2,200	Restricted areas
29		Kobamabashi Bridge	Tomokamachi Town	2012/6/13	Cloudy	0.70	5	94	Gravel/sand	<30	740	1,200	Restricted areas
30	Idegawa River	Matogamabashi Bridge	Narahamachi Town	2012/6/12	Cloudy	0.50	5	90	Sandy	<30	310	470	Restricted areas
31	Kidogawa River	Nishiyamabashi Bridge	Kawayamamura Village	2012/6/12	Cloudy	1.00	5	90	Sand	<30	78	120	
32		Nagatorobashi Bridge	Narahamachi Town	2012/6/13	Cloudy	0.30	5	93	Gravel/sand	<30	120	200	Restricted areas
33	Kidokwabashi Bridge	Narahamachi Town	2012/6/12	Cloudy	0.20	5.0	83	Sand	<30	410	650	Restricted areas	
34	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2012/5/24	Sunny	0.20	5.0	93	Sand	<30	190	260	
35	Ohisagawa River	Kagesobashi Bridge	Iwakishi City	2012/5/24	Sunny	0.35	5	91	Sand	<30	670	950	
36	Kohisagawa River	Renagobashi Bridge	Iwakishi City	2012/5/24	Sunny	0.75	5	92	Sand	<30	120	170	
37		Kasuribashi Bridge	Iwakishi City	2012/5/24	Sunny	0.30	5.0	93	Sand	<30	65	91	
38	Niidagawa River	Matsubashi Bridge	Iwakishi City	2012/5/23	Cloudy	2.00	5.0	91	Sand	<30	180	280	
39		Kitanouchibashi Bridge	Onomachi Town	2012/5/23	Cloudy	0.40	3	94	Sand	<30	12	17	
40	Natsugawa River	Kyudayubashi Bridge	Iwakishi City	2012/5/23	Sunny, then cloudy	1.00	3	95	Sand	<30	<10	<10	
41		Rokujumabashi Bridge	Iwakishi City	2012/5/23	Sunny, then cloudy	1.20	3	95	Sand	<30	24	42	
42	Yoshimigawa River	Iwaatsuribashi Bridge	Iwakishi City	2012/5/23	Cloudy	0.50	3	94	Sand	<30	180	270	
43		Before the confluence with Natsugawa River	Iwakishi City	2012/5/23	Sunny	0.50	3	94	Sand	<30	28	41	
44	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2012/5/24	Sunny	0.20	5	89	Sand	<30	35	67	
45		Mmatoshashi Bridge	Iwakishi City	2012/5/22	Cloudy	0.60	5	68	Silt	<30	400	600	
46	Samegawa River	Idosawabashi Bridge	Iwakishi City	2012/5/22	Rain	0.30	4	90	Sandy	<30	98	140	
47		Samegawabashi Bridge	Iwakishi City	2012/5/22	Rain	1.00	5	88	Sandy	<30	55	81	
48	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2012/5/22	Rain	0.40	5	89	Sand/gravel	<30	57	92	
49	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/5/22	Cloudy	0.40	3	90	Sand/gravel	<30	100	170	
50		Bindabashi Bridge	Iwakishi City	2012/5/22	Rain	1.00	10	60	Sandy	<30	780	1,200	

*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	Jizogawa River	Hamahatabashi Bridge	Shinimachi Town	2012/5/21	Cloudy	Sand	<30	390	570	0.25	Earth	<30	300	440	0.21	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2012/5/22	Light rain	Earth	<30	970	1,500	0.24	Earth	<30	1,100	1,600	0.30	
3		Hyakkenbashi Bridge	Somashi City	2012/5/22	Light rain	Earth	<30	320	490	0.33	Earth	<30	660	1,000	0.24	
4	Udagawa River	Hosakabashi Bridge	Somashi City	2012/5/22	Cloudy	Earth	<30	880	1,300	0.34	-	-	-	-	-	Soil not exposed
5	Manogawa River	Hyakkenbashi Bridge	Somashi City	2012/5/22	Cloudy	Earth	<30	590	880	0.31	Earth	<30	540	840	0.28	
6		Ochiaibashi Bridge	Minamisomashi City	2012/5/22	Cloudy	Mud/sand	<30	440	650	0.47	Earth	<30	2,400	3,500	0.73	
7		Matimabashi Bridge	Minamisomashi City	2012/6/13	Cloudy	Earth/sand	<30	280	440	0.23	Earth/sand	<30	700	1,100	0.26	
8	Niidagawa River	Kusano	Iitatemura Village	2012/6/14	Cloudy	Earth	<40	3,600	5,400	2.13	Earth	<37	10,000	15,000	3.23	Living-restricted areas
9		Komiyu	Iitatemura Village	2012/6/14	Cloudy	Earth	<30	4,200	6,200	4.10	Sand	<48	8,500	13,000	4.04	Living-restricted areas
10		Kidouchibashi Bridge	Minamisomashi City	2012/6/13	Light rain	Earth	<30	3,000	4,600	1.01	Earth	<30	3,000	4,600	1.20	
11		Sakekawabashi Bridge	Minamisomashi City	2012/6/13	Light rain	Sand	<30	120	180	0.16	Sand	<30	3,200	5,100	0.62	
12		Ishiwatadobashi Bridge	Minamisomashi City	2012/6/13	Light rain	Sand/earth	<30	2,300	3,600	1.80	Sand	<30	2,600	3,900	1.63	
13	Ottagawa River	Kaminouchibashi Bridge	Minamisomashi City	2012/6/13	Light rain	Earth	<30	1,800	2,800	0.88	Earth	<30	2,700	4,200	0.72	
14		Masudabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	Loamy	<30	520	830	0.35	Loamy	<30	880	1,300	0.40	
15		JR Tetsudobashi Bridge	Minamisomashi City	2012/6/12	Cloudy	Loamy	<30	810	1,300	0.43	Loamy/gravel	<30	910	1,400	0.41	
16		Manuyabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	Loamy	<30	1,100	1,700	0.21	-	-	-	-	-	Evacuation order lifting preparation areas Soil not exposed
17		Shimokawarabashi Bridge	Minamisomashi City	2012/6/13	Cloudy	Loamy	<30	3,400	5,500	1.04	Loamy/clay-loamy	<30	1,300	2,000	0.93	Evacuation order lifting preparation areas Soil not exposed
18	Odakagawa River	Zenchobashi Bridge	Minamisomashi City	2012/6/13	Cloudy	-	-	-	-	Loamy	<30	870	1,400	0.59	Evacuation order lifting preparation areas Soil not exposed	
19	Hatsukarabashi Bridge	Minamisomashi City	2012/6/12	Cloudy	Sandy	<30	<10	15	0.10	-	-	-	-	-	Evacuation order lifting preparation areas Soil not exposed	
20	Ukedogawa River	Murohachibashi Bridge	Namienomachi Town	2012/6/14	Cloudy	Loamy	<38	44,000	69,000	9.40	-	-	-	-	-	Restricted areas, Soil not exposed
21		Ukedobashi Bridge	Namienomachi Town	2012/6/13	Cloudy	Sandy	<30	3,200	4,900	1.99	-	-	-	-	-	Restricted areas, Soil not exposed
22	Furumichigawa River	Before the confluence with Takasegawa River	Tamurashi City	2012/6/14	Sunny	Loamy	<30	2,500	3,800	0.63	Loamy/sand	<30	990	1,500	0.57	Evacuation order lifting preparation areas
23	Takasegawa River	Kenobashi Bridge	Namienomachi Town	2012/6/13	Cloudy	Loamy	<30	1,600	2,500	1.69	-	-	-	-	-	Restricted areas, Soil not exposed
24	Maedagawa River	National Route 6, west	Futabamachi Town	2012/6/14	Cloudy	Loamy	<51	13,000	21,000	5.05	-	-	-	-	-	Restricted areas, Soil not exposed
25	Kumagawa River	Nakahamabashi Bridge	Namienomachi Town	2012/6/14	Cloudy	-	-	-	-	Sandy	<30	2,400	3,700	1.01	Restricted areas, Soil not exposed	
26		National Route 6, west	Okumamachi Town	2012/6/14	Cloudy	-	-	-	-	Loamy	<56	17,000	25,000	4.85	Restricted areas, Soil not exposed	
27		Okumamachi Town	Okumamachi Town	2012/6/14	Cloudy	-	-	-	-	Loamy	<31	4,600	7,100	6.25	Restricted areas, Soil not exposed	
28	Tomokagawa River	National Route 6, west	Tomokamachi Town	2012/6/13	Cloudy	Loamy	<68	17,000	26,000	4.92	-	-	-	-	-	Restricted areas, Soil not exposed
29		Kobamabashi Bridge	Tomokamachi Town	2012/6/13	Cloudy	Sandy	<30	3,600	5,600	2.27	-	-	-	-	-	Restricted areas, Soil not exposed
30	Idegawa River	Motogawabashi Bridge	Narahamachi Town	2012/6/12	Cloudy	-	-	-	-	Loamy	<30	930	1,400	0.77	Restricted areas, Soil not exposed	
31	Kidogawa River	Nishiyamabashi Bridge	Kawauchimura Village	2012/6/12	Cloudy	Sandy	<30	310	480	0.45	Loamy	<30	360	550	0.41	
32		Nagatorobashi Bridge	Narahamachi Town	2012/6/13	Cloudy	Loamy	<30	1,100	1,700	0.85	-	-	-	-	-	Restricted areas, Soil not exposed
33		Kidokawabashi Bridge	Narahamachi Town	2012/6/12	Cloudy	-	-	-	-	-	Loamy	<30	1,200	1,900	0.71	Restricted areas, Soil not exposed
34	Asamagawa River	Bodabashi Bridge	Hirosonomachi Town	2012/5/24	Sunny	Sand	<30	230	350	0.26	Sand	<30	670	970	0.32	
35	Ohisagawa River	Kaegobashi Bridge	Iwakashi City	2012/5/24	Sunny	-	-	-	-	Sand	<30	540	810	0.36	Soil not exposed	
36		Kohasagawa River	Renjogabashi Bridge	Iwakashi City	2012/5/24	Sunny	Earth	<30	670	1,000	0.44	Earth	<30	960	1,400	0.43
37	Niidagawa River	Kasumidabashi Bridge	Iwakashi City	2012/5/24	Sunny	Sand/earth	<30	270	400	0.19	Earth	<30	540	820	0.23	
38		Matsubabashi Bridge	Iwakashi City	2012/5/23	Cloudy	Earth/sand	<30	540	800	0.25	Sand	<30	210	300	0.24	
39	Natsugawa River	Krianoouchibashi Bridge	Onomachi Town	2012/5/23	Cloudy	Earth	<30	410	13	0.16	Earth	<30	200	290	0.19	
40		Kwadayubashi Bridge	Iwakashi City	2012/5/23	Cloudy	Mud/sand	<30	300	450	0.25	Earth	<30	210	320	0.24	
41		Rokujumabashi Bridge	Iwakashi City	2012/5/23	Sunny, then cloudy	Earth	<30	1,200	1,800	0.33	Earth	<30	1,100	1,600	0.31	
42	Yoshimaga River	Iwantsuribashi Bridge	Iwakashi City	2012/5/23	Cloudy	Earth	<30	680	990	0.19	Earth	<30	260	370	0.20	
43		Before the confluence with Natsugawa River	Iwakashi City	2012/5/23	Sunny	Earth	<30	170	250	0.15	Earth	<30	340	500	0.19	
44	Fujiwaragawa River	Shimabashi Bridge	Iwakashi City	2012/5/24	Sunny	Earth	<30	310	440	0.17	Earth	<30	72	110	0.09	
45		Mimatobashi Bridge	Iwakashi City	2012/5/22	Cloudy	Loamy	<30	78	120	0.13	Loamy	<30	440	650	0.24	
46	Samegawa River	Iidoswabashi Bridge	Iwakashi City	2012/5/22	Rain	Sandy	<30	170	270	0.13	-	-	-	-	-	Soil not exposed
47		Samegwabashi Bridge	Iwakashi City	2012/5/22	Rain	Sandy	<30	100	150	0.12	Sandy	<30	230	320	0.15	
48	Shitokigawa River	Komurobashi Bridge	Iwakashi City	2012/5/22	Rain	Sandy	<30	33	53	0.13	Sandy	<30	65	110	0.17	
49	Bindagawa River	Kobanabashi Bridge	Iwakashi City	2012/5/22	Cloudy	Sandy	<30	400	580	0.17	Sandy	<30	540	780	0.16	
50		Bindabashi Bridge	Iwakashi City	2012/5/22	Rain	Sandy	<30	100	150	0.15	Sandy	<30	350	540	0.19	

* 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			
51	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/5/2	Cloudy	0.20	0.0	63	8	3	1	<1	<1	<1		
52		Tamachiohashi Bridge	Shirakawashi City	2012/5/2	Rain	0.40	0.0	70	9	1	0	<1	<1	<1		
				2012/5/10	Cloudy	0.80	0.0	27	9	14	5	<1	<1	<1		
53	Yatagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2012/5/2	Cloudy	1.00	0.0	>100	31	1	1	<1	<1	<1		
54	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/5/5	Cloudy, partly sunny	0.30	0.0	14	9	29	14	<1	<1	<1		
55	Kitasugawa River	Yanagibashi Bridge	Hiratamura Village	2012/5/5	Sunny	0.40	0.0	30	10	22	8	<1	<1	<1		
56	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/5/5	Sunny	0.30	0.0	31	10	11	8	<1	<1	<1		
57	Yashirogawa River	Ojibashi Bridge		2012/5/5	Cloudy, then sunny	0.50	0.0	16	10	17	10	<1	<1	<1		
58	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/5/2	Cloudy	0.30	0.0	42	14	3	1	<1	<1	<1		
					2012/5/10	Sunny	0.50	0.0	11	12	50	14	<1	<1	<1	
59		Emochibashi Bridge	Sukagawashi City	2012/5/5	Sunny	0.30	0.0	10	10	47	18	<1	<1	<1		
60		Sukagawashi City water intake point	Sukagawashi City	2012/5/5	Sunny	0.40	0.0	6	9	47	29	<1	<1	<1		
61	Shakadogawa River			2012/5/2	Cloudy	0.30	0.0	20	14	14	2	<1	<1	<1		
			Before the confluence with Abukumagawa River	Sukagawashi City	2012/5/10	Cloudy	0.30	0.0	16	12	30	20	<1	<1	<1	
62	Sasaharagawa River	Shinbashi Bridge		2012/5/4	Cloudy	0.20	0.0	4	9	160	76	<1	<1	<1		
63	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/5/3	Rain	0.20	0.0	28	18	10	4	<1	<1	<1		
64	Otakinegawa River	Funehikibashi Bridge	Tamurashi City	2012/5/6	Cloudy	0.20	0.0	20	13	1	2	<1	<1	<1		
65			Before the confluence with Abukumagawa River	Koriyamashi City	2012/5/4	Light rain	0.70	0.0	3	9	39	28	<1	<1	<1	
66	Abukumagawa River	Before the confluence with Babagawa River	Koriyamashi City	2012/5/4	Sunny	0.80	0.0	5	7	130	58	<1	<1	<1		
67			Makunouchibashi Bridge	Koriyamashi City	2012/5/4	Rain	1.80	0.0	7	9	110	64	<1	<1	<1	
68			Before the confluence with Abukumagawa River	Koriyamashi City	2012/5/1	Cloudy	0.20	0.0	44	25	8	4	<1	<1	<1	
					2012/5/10	Cloudy	0.20	0.0	28	16	10	10	<1	<1	<1	
69	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2012/5/1	Cloudy	0.20	0.0	43	20	6	3	<1	<1	<1		
				2012/5/9	Cloudy	0.40	0.0	17	16	16	10	<1	<1	<1	2	
70	Gohyakugawa River	After the confluence with Ishimurogawa River	Koriyamashi City	2012/5/4	Cloudy	0.30	0.0	5	5	86	50	<1	<1	<1		
71			Kamisekishitabashi Bridge	Motomiyashi City	2012/5/6	Sunny	0.40	0.0	11	7	40	28	<1	<1	<1	
72			Before the confluence with Abukumagawa River	Motomiyashi City	2012/5/1	Sunny	0.30	0.0	21	11	19	10	<1	<1	<1	
					2012/5/9	Cloudy	0.50	0.0	20	12	11	8	<1	<1	<1	
73	Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2012/5/1	Sunny	0.50	0.0	30	17	7	3	<1	<1	<1		
				2012/5/9	Cloudy	0.70	0.0	14	14	17	11	<1	<1	<1		
74	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/5/6	Sunny	0.30	0.0	56	10	7	3	<1	<1	<1		
75	Utsushigawa River	Osegawabashi Bridge	Nihonmatsushi City	2012/4/30	Cloudy	0.30	0.0	50	14	11	2	<1	<1	<1		
				2012/5/9	Cloudy	0.30	0.0	36	13	4	3	<1	<1	<1		
76	Mizuharagawa River	Getouchibashi Bridge	Fukushima City	2012/5/6	Sunny	0.30	0.0	21	8	15	9	<1	<1	<1		
77	Megami River	Tsurumakibashi Bridge	Fukushima City	2012/5/6	Sunny	0.20	0.0	30	20	13	7	<1	<1	<1		
78	Abukumagawa River	Horabashi Bridge	Fukushima City	2012/4/30	Sunny	0.30	0.0	45	15	5	3	<1	<1	<1		
				2012/5/8	Cloudy	0.50	0.0	11	12	19	12	<1	<1	<1		
79	Nigorogawa River	Before the confluence with Omorigawa River	Fukushima City	2012/5/6	Cloudy	0.30	0.0	21	12	19	10	<1	<1	<1		
80	Arakawa River	Hinokurabashi Bridge	Fukushima City	2012/5/6	Rain	0.30	0.0	38	13	7	3	<1	<1	<1		
81	Sukawa River	Sukawabashi Bridge	Fukushima City	2012/5/5	Cloudy	0.30	0.0	72	27	2	2	<1	<1	<1		
82	Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/4/30	Cloudy	0.20	0.0	55	17	3	1	<1	<1	<1		
					2012/5/8	Cloudy	0.40	0.0	36	18	6	3	<1	<1	<1	
					2012/4/30	Cloudy	0.50	0.0	60	7	4	1	<1	<1	<1	
83	Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/5/8	Cloudy	0.25	0.0	33	9	2	1	<1	<1	<1		
84	Hattandagawa River	Hattandabashi Bridge	Fukushima City	2012/5/5	Sunny	0.20	0.0	6	12	55	35	<1	<1	<1		
85		Totsunabashi Bridge	Fukushima City	2012/5/5	Sunny	-	0.0	14	4	15	6	<1	<1	<1		
86	Surikami River	Before the confluence with Abukumagawa River	Fukushima City	2012/4/30	Cloudy	0.20	0.0	96	5	2	1	<1	<1	<1		
				2012/5/8	Cloudy	0.40	0.0	20	5	4	7	<1	<1	<1		
87	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/4/29	Sunny	0.40	0.0	65	9	4	2	<1	<1	<1		
					2012/5/8	Cloudy	0.50	0.0	13	11	33	20	<1	<1	<1	
88	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2012/5/5	Cloudy	0.20	0.0	17	10	32	10	<1	<1	<1		
89		Jizogawabashi Bridge	Dateshi City	2012/5/5	Cloudy	0.30	0.0	50	10	8	3	<1	<1	<1		
90	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/4/29	Sunny	0.30	0.0	65	17	4	2	<1	<1	<1		
					2012/5/8	Sunny	0.30	0.0	50	15	7	4	<1	<1	<1	
91	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2012/4/29	Sunny	0.30	0.0	70	13	3	1	<1	<1	<1		
					2012/5/8	Sunny	0.20	0.0	38	17	7	4	<1	<1	<1	
92	Kurokawa River	Tochigi Prefecture Border	Shirakawashi City	2012/5/21	Cloudy	0.50	0.0	60	7	-1	2	<1	<1	<1		
93	Others	Kunigawa River	Matsukawabashi Bridge	Tanaguramachi Town	2012/5/23	Cloudy	0.20	0.0	56	11	2	2	<1	<1	<1	
94		Kunigawa River	Takochiharabashi Bridge	Yamatsurumachi Town	2012/5/21	Sunny	0.30	0.0	58	9	3	2	<1	<1	<1	

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

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

No.	Sampling point			Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)			Remarks	
	Water body	Point	Municipality				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			
51	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/5/2	Cloudy	0.20	3	78	Sand	<30	92	170		
52		Tamachiohashi Bridge	Shirakawashi City	2012/5/2	Rain	0.40	4	78	Sand	<30	410	600		
				2012/5/10	Cloudy	0.80	4	95	Sand	<30	18	28		
53	Yantagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2012/5/2	Cloudy	1.00	3	83	Sludge	<30	1,700	2,600		
54	Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2012/5/5	Cloudy, partly sunny	0.30	2	76	Sandy	<30	360	510		
55	Kitasugawa River	Yanagibashi Bridge	Hiratamura Village	2012/5/5	Sunny	0.40	5	45	Sandy	<30	21	43		
56	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/5/5	Sunny	0.30	3	71	Sandy	<30	280	400		
57	Yashirogawa River	Ojibashi Bridge		2012/5/5	Cloudy, then sunny	0.50	2	86	Sand	<30	59	86		
				2012/5/2	Cloudy	0.30	4	87	Sand	<30	130	200		
58	Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/5/10	Sunny	0.50	4	88	Sand	<30	40	65		
59		Emochibashi Bridge	Sukagawashi City	2012/5/5	Sunny	0.30	2	77	Sandy	<30	150	230		
60		Sukagawashi City water intake point	Sukagawashi City	2012/5/5	Sunny	0.40	2	91	Sandy	<30	72	110		
61	Shakadogawa River	Before the confluence with Abukumagawa River	Sukagawashi City	2012/5/2	Cloudy	0.30	4	89	Skeletal, partly loamy	<30	220	320		
				2012/5/10	Cloudy	0.30	5	94	Sand	<30	14	27		
62	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2012/5/4	Cloudy	0.20	3	79	Muddy	<30	160	220		
63	Yatagawa River	Yatagawabashi Bridge		2012/5/3	Rain	0.20	5	93	Sand	<30	96	140		
64		Funehikibashi Bridge	Tamurashi City	2012/5/6	Cloudy	0.20	4	88	Sandy	<30	110	160		
65	Otakegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/5/6	Light rain	0.70	3	47	Sludge	<30	2,500	3,900		
66		Before the confluence with Babagawa River	Koriyamashi City	2012/5/4	Sunny	0.80	3	84	Sandy	<30	73	110		
67		Makunouchibashi Bridge	Koriyamashi City	2012/5/4	Rain	1.80	3	74	Sandy	<30	64	99		
68	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/5/1	Cloudy	0.20	2	86	Sand	<30	820	1,200		
				2012/5/10	Cloudy	0.20	15	81	Sand	<30	260	380		
69	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2012/5/1	Cloudy	0.20	2	75	Mud	<30	2,500	3,500		
				2012/5/9	Cloudy	0.40	3	93	Sand	<30	62	86		
70		After the confluence with Ishimurogawa River	Koriyamashi City	2012/5/4	Cloudy	0.30	2	89	Sandy	<30	39	57		
71	Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2012/5/6	Sunny	0.40	1	70	Sand	<30	250	340		
72		Before the confluence with Abukumagawa River	Motomiyashi City	2012/5/1	Sunny	0.30	3	83	Sand	<30	390	570		
				2012/5/9	Cloudy	0.50	3	90	Sand	<30	81	120		
				2012/5/1	Sunny	0.50	5	76	Mud	<30	1,300	1,900		
73	Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2012/5/9	Cloudy	0.70	3	75	Mud/sand	<30	740	1,100		
74	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/5/6	Sunny	0.30	5	90	Sand	<30	470	690		
75	Utsushigawa River	Osegawabashi Bridge	Nihonmatsushi City	2012/4/30	Cloudy	0.30	3	89	Sand	<30	250	360		
76	Mizuharagawa River	Getouchibashi Bridge	Fukushimashi City	2012/5/6	Sunny	0.30	3	83	Sand/gravel	<30	210	310		
77	Megamigawa River	Tsurumakibashi Bridge	Fukushimashi City	2012/5/6	Sunny	0.20	2	91	Sand	<30	350	530		
78	Abukumagawa River	Horaihashi Bridge	Fukushimashi City	2012/4/30	Sunny	0.30	3	91	Sand	<30	150	220		
				2012/5/8	Cloudy	0.50	3	85	Sand	<30	270	390		
79	Nigorigawa River	Before the confluence with Omorigawa River	Fukushimashi City	2012/5/6	Cloudy	0.30	3	89	Sand	<30	390	590		
80	Arakawa River	Hinokurabashi Bridge	Fukushimashi City	2012/5/6	Rain	0.30	3	82	Sand	<30	54	85		
81	Sukawa River	Sukawabashi Bridge	Fukushimashi City	2012/5/5	Cloudy	0.30	2	86	Sand	<30	86	130		
82	Arakawa River	Before the confluence with Abukumagawa River	Fukushimashi City	2012/4/30	Cloudy	0.20	3	84	Sand	<30	400	590		
				2012/5/8	Cloudy	0.40	3	90	Sand	<30	59	83		
83	Matsukawa River	Before the confluence with Abukumagawa River	Fukushimashi City	2012/4/30	Cloudy	0.50	3	77	Sand	<30	1,600	2,400		
				2012/5/8	Cloudy	0.25	3	91	Sand	<30	57	87		
84	Hattandagawa River	Hattandabashi Bridge	Fukushimashi City	2012/5/5	Sunny	0.20	2	93	Sand/gravel	<30	250	370		
85	Surikamigawa River	Totsunabashi Bridge	Fukushimashi City	2012/5/5	Sunny	-	-	-	-	-	-	-	May 3: Unable to collect sediment due to storm and increased water level	
86		Before the confluence with Abukumagawa River	Fukushimashi City	2012/4/30	Cloudy	0.20	3	86	Sand	<30	170	240		
				2012/5/8	Cloudy	0.40	3	84	Sand	<30	110	140		
87	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/4/29	Sunny	0.40	5	67	Silt	<30	1,500	2,300		
				2012/5/8	Cloudy	0.50	5	85	Sand	<30	170	240		
88	Hirosegawa River	Tatenokoshibashi Bridge	Kawamatamachi Town	2012/5/5	Cloudy	0.20	2	93	Sand	<30	190	300		
89		Jizogawarabashi Bridge	Dateshi City	2012/5/5	Cloudy	0.30	3	93	Sand	<30	310	450		
90	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/4/29	Sunny	0.30	3	81	Sand	<30	2,700	4,100		
				2012/5/8	Sunny	0.30	3	79	Sand	<30	2,600	3,900		
				2012/4/29	Sunny	0.30	3	87	Sand	<30	1,100	1,600		
91	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2012/5/8	Sunny	0.20	3	44	Mud	<50	8,000	12,000		
92	Others	Kurokawa River	Tochigi Prefecture Border	Shirakawashi City	2012/5/21	Cloudy	0.50	3	92	Gravel/sand	<30	31	51	
93		Kuijigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2012/5/23	Cloudy	0.20	5	89	Sand	<30	26	37	
94		Kuijigawa River	Takachiharabashi Bridge	Yamatsurimachi Town	2012/5/21	Sunny	0.30	5	96	Sandy	<30	<10	13	

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

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

No.	Sampling point			Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks	
	Water body	Point	Municipality				Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity ●	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			
95	A g a	Aganogawa River	Tajimabashi Bridge	Minamiaizumachi Town	2012/5/24	Sunny	0.20	0.0	49	6	0	1	<1	<1	<1	
96		Okawabashi Bridge	Aizuwakamatsushi City	2012/5/24	Cloudy	1.50	0.0	>100	7	0	1	<1	<1	<1		
97		Takimabashi Bridge		2012/5/24	Sunny	0.70	0.0	>100	8	0	1	<1	<1	<1		
98		Shinyukawabashi Bridge		2012/5/24	Sunny	0.40	0.0	44	10	3	3	<1	<1	<1		
99		Before the confluence with Aganogawa River		2012/5/24	Sunny	0.70	0.0	45	14	3	2	<1	<1	<1		
100	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/5/23	Sunny	0.20	0.0	27	10	8	5	<1	<1	<1		
101	o g	Aganogawa River	Miyakobashi Bridge	Kitakatashi City	2012/5/23	Sunny	0.50	0.0	>100	8	0	1	<1	<1	<1	
102		Nippashigawa River	Minamiohashi Bridge		2012/5/23	Sunny	0.80	0.0	20	10	13	7	<1	<1	<1	
103	a w	Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/5/29	Cludy, then sunny	0.50	0.0	51	15	5	3	<1	<1	<1	
104		Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/5/31	Sunny	0.60	0.0	74	11	6	3	<1	<1	<1	
105	a	Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2012/5/29	Cloudy	0.50	0.0	>100	7	1	2	<1	<1	<1	
106		Shimokawarabashi Bridge	2012/5/29		Sunny	0.30	0.0	72	10	3	2	<1	<1	<1		
107		Nigorigawabashi Bridge	2012/5/29		Cloudy	0.20	0.0	63	8	1	1	<1	<1	<1		
108	R i	Nigorigawa River	Yamazakibashi Bridge	Minamiaizumachi Town	2012/5/29	Sunny	0.30	0.0	88	8	1	1	<1	<1	<1	
109		Aovagibashi Bridge	2012/5/30		Sunny	0.80	0.0	>100	3	1	1	<1	<1	<1		
110	v e r	Inagawa River	Kurosawabashi Bridge	Tadamimachi Town	2012/5/30	Sunny	0.20	0.0	33	4	6	2	<1	<1	<1	
111		Tadamigawa River	Nishitanibashi Bridge	Kaneyamamachi Town	2012/5/30	Sunny	0.30	0.0	19	5	24	8	<1	<1	<1	
112	S	Aganogawa River	Fujibashi Bridge	Aizubangemachi Town	2012/5/30	Sunny	0.40	0.0	19	6	11	7	<1	<1	<1	
113			Shingo Dam	Kitakatashi City	2012/5/31	Sunny	1.00	0.0	24	6	9	7	<1	<1	<1	
114	y s t e m	Sukawa River	Sukawano	Inawashiromachi Town	2012/5/31	Sunny	0.30	0.0	>100	74	1	2	<1	<1	<1	
115		Nagasegawa River	Koganebashi Bridge		2012/5/31	Sunny	0.25	0.0	52	10	3	2	<1	<1	<1	
116		Takahashigawa River	Shinbashi Bridge		2012/6/21	Cloudy	0.40	0.0	>100	22	6	2	<1	<1	<1	
117		Kogurogawa River	Umenohashi Bridge		2012/6/21	Cloudy	0.80	0.0	81	17	7	3	<1	<1	<1	
118		Hishinumagawa River	Sekido District		2012/6/21	Cloudy	0.80	0.0	75	13	4	3	<1	<1	<1	
119		Funatsugawa River	Funatsubashi Bridge		Koriyamashi City	2012/6/21	Cloudy	0.80	0.0	13	6	34	10	<1	<1	<1
120	Haragawa River	Estuary, front	Aizuwakamatsushi City	2012/6/20	Light rain	0.90	0.0	22	4	16	4	<1	<1	<1		

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

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

No.	Sampling point			Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)			Remarks
	Water body	Point	Municipality				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
95	A g a n o g a w a R i v e r	Aganogawa River	Tajimabashi Bridge	Minamiaizumachi Town	2012/5/24	Sunny	0.20	5	91	Sand/gravel	<30	<10	13
96		Okawabashi Bridge	Aizuwakamatsushi City	2012/5/24	Cloudy	1.50	5	92	Sand/gravel	<30	11	15	
97		Takimibashi Bridge		2012/5/24	Sunny	0.70	5	84	Sandy	<30	110	180	
98		Shinyukawabashi Bridge		2012/5/24	Sunny	0.40	5	82	Silt/sandy	<30	260	380	
99		Before the confluence with Aganogawa River		2012/5/24	Sunny	0.70	5	93	Sand/gravel	<30	50	82	
100		Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/5/23	Sunny	0.20	5	88	Silt/sand/gravel	<30	83	120
101		Aganogawa River	Miyakobashi Bridge	Kitakatashi City	2012/5/23	Sunny	0.50	5	94	Sandy	<30	<10	<10
102		Nippashigawa River	Minamiohashi Bridge		2012/5/23	Sunny	0.80	5	77	Sand	<30	510	730
103		Kyuvukawa River	Awanomiyabashi Bridge		Yugawamura Village	2012/5/29	Cloudy, then sunny	0.50	20	66	Sandy	<30	810
104		Kyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/5/31	Sunny	0.60	3	84	Sandy	<30	71	110
105	Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2012/5/29	Cloudy	0.50	5	83	Sandy	<30	100	150	
106		Shimokawarabashi Bridge		2012/5/29	Sunny	0.30	3	83	Sandy	<30	110	150	
107		Nigorigawabashi Bridge		2012/5/29	Cloudy	0.20	5	91	Sandy	<30	22	35	
108	Nigorigawa River	Yamazakibashi Bridge	Minamiaizumachi Town	2012/5/29	Sunny	0.30	5	81	Sandy	<30	33	49	
109		Aovagibashi Bridge		2012/5/30	Sunny	0.80	5	90	Sandy	<30	<10	<10	
110	Inagawa River	Kurosawabashi Bridge	Tadamimachi Town	2012/5/30	Sunny	0.20	3	82	Sandy	<30	<10	<10	
111	Tadamigawa River	Nishitanibashi Bridge	Kanevamamachi Town	2012/5/30	Sunny	0.30	2	91	Sandy	<30	<10	<10	
112		Fujibashi Bridge	Aizubangemachi Town	2012/5/30	Sunny	0.40	3	85	Sandy	<30	<10	13	
113	Shingo Dam		Kitakatashi City	2012/5/31	Sunny	1.00	2	61	Silty	<30	220	320	
114	Sukawa River	Sukawano	Inawashiro machi Town	2012/5/31	Sunny	0.30	2	88	Sand/gravel	<30	22	39	
115	Nagasegawa River	Koganebashi Bridge		2012/5/31	Sunny	0.25	3	92	Sand/gravel	<30	18	34	
116	Takahashigawa River	Shinbashi Bridge		2012/6/21	Cloudy	0.40	2	84	Sand	<30	70	120	
117	Kogurogawa River	Umenobashi Bridge		2012/6/21	Cloudy	0.80	5	89	Sand/gravel	<30	100	170	
118	Hishinumagawa River	Sekido District		2012/6/21	Cloudy	0.80	3	42	Mud	<30	290	410	
119	Funatsugawa River	Funatsubashi Bridge		Koriyamashi City	2012/6/21	Cloudy	0.80	3	80	Sand	<30	12	20
120	Haragawa River	Estuary, front	Aizuwakamatsushi City	2012/6/20	Light rain	0.90	2	92	Sand	<30	<10	<10	

*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

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	
95	Aganogawa River	Tajimabashi Bridge	Minamiaizumachi Town	2012/5/24	Sunny	Loamy	<30	61	94	0.09	Loamy	<30	30	39	0.08	
96		Okawabashi Bridge		2012/5/24	Cloudy	Loamy	<30	100	140	0.12	Loamy	<30	240	340	0.16	
97	Yukawa River	Takumabashi Bridge	Aizuwakamatsushi City	2012/5/24	Sunny	Loamy	<30	210	330	0.19	Loamy	<30	280	400	0.19	
98		Shiyukawabashi Bridge		2012/5/24	Sunny	Loamy	<30	430	690	0.30	Loamy	<30	690	1,100	0.26	
99		Before the confluence with Aganogawa Ri		2012/5/24	Sunny	Loamy	<30	410	610	0.28	Loamy	<30	230	360	0.24	
100	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/5/23	Sunny	Loamy	<30	1,100	1,700	0.22	Sandy	<30	340	510	0.25	
101	Aganogawa River	Miyakobashi Bridge		2012/5/23	Sunny	Loamy	<30	500	780	0.27	Loamy	<30	810	1,200	0.17	
102	Nippashigawa River	Minamobashi Bridge	Kitakataashi City	2012/5/23	Sunny	Loamy	<30	500	790	0.29	Loamy	<30	400	600	0.27	
103	Kyuyukawa River	Awamoyabashi Bridge	Yugawamura Village	2012/5/29	Cloudy, then sunny	Loamy	<30	910	1,300	0.40	Loamy	<30	2,600	4,100	0.40	
104	Kyuumiyakawa River	Josakobashi Bridge	Aizubangemachi Town	2012/5/31	Sunny	Loamy	<30	1,200	1,800	0.26	Loamy	<30	770	1,200	0.25	
105	Tatsukigawa River	Ohashi Bridge		2012/5/29	Cloudy	Loamy	<30	120	180	0.12	Loamy	<30	300	440	0.13	
106		Shmokawabashi Bridge		2012/5/29	Sunny	Loamy	<30	1,500	2,100	0.21	Loamy	<30	500	750	0.19	
107		Nigorizawabashi Bridge		2012/5/29	Cloudy	Loamy	<30	500	740	0.23	Loamy	<30	540	800	0.21	
108	Nigorigawa River	Yamazakibashi Bridge		2012/5/29	Sunny	Loamy	<30	910	1,400	0.24	Loamy	<30	380	580	0.18	
109	Inagawa River	Aowagibashi Bridge	Minamiaizumachi Town	2012/5/30	Sunny	Loamy	<30	240	390	0.12	Loamy	<30	55	78	0.12	
110		Kurosawabashi Bridge	Tadamimachi Town	2012/5/30	Sunny	Loamy	<30	110	170	0.10	Loamy	<30	44	81	0.09	
111	Tadamigawa River	Nishitanabashi Bridge	Kaneyamamachi Town	2012/5/30	Sunny	Loamy	<30	34	48	0.07	Loamy	<30	72	100	0.07	
112		Fuibashi Bridge	Aizubangemachi Town	2012/5/30	Sunny	Sandy	<30	18	23	0.07	Loamy	<30	250	370	0.14	
113	Aganogawa River	Shingo Dam	Kitakataashi City	2012/5/31	Sunny	Loamy	<30	600	940	0.16	Loamy	<30	230	340	0.11	
114	Sukawa River	Sukawano		2012/5/31	Sunny	Loamy	<30	640	1,000	0.23	Loamy	<30	760	1,200	0.25	
115	Nagasegawa River	Koganebashi Bridge		2012/5/31	Sunny	Loamy	<30	440	670	0.11	Loamy	<30	110	180	0.09	
116	Takahashigawa River	Shimbashi Bridge	Inawashiroamachi Town	2012/6/21	Cloudy	Earth/gravel	<30	220	310	0.11	Earth/gravel	<30	100	160	0.12	
117	Kogagawa River	Umenobashi Bridge		2012/6/21	Cloudy	Earth/gravel	<30	270	410	0.12	Earth/gravel	<30	510	790	0.11	
118	Hishimunagawa River	Sekido District		2012/6/21	Cloudy	Earth/gravel	<30	180	270	0.07	Earth	<30	63	91	0.09	
119	Funatsugawa River	Funatsubashi Bridge	Koriyamashi City	2012/6/21	Cloudy	Earth/gravel	<30	260	390	0.09	Earth/gravel	<30	210	340	0.08	
120	Haragawa River	Estuary, front	Aizuwakamatsushi City	2012/6/20	Light rain	Earth/gravel	<30	97	170	0.09	Earth/gravel	<30	88	140	0.08	

*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.

