

(News Release)

The Results of Radioactive Material Monitoring of the Surface Water Bodies
within Tokyo, Saitama, and Chiba Prefectures
(2nd time)

Friday, March 30, 2012
Water Environment Division,
Environment Management Bureau,
Ministry of the Environment
Direct line: 03-5521-8316
Switchboard: 03-3581-3351
Director: Nobuo Yoshida (ext. 6610)
Deputy Director: Tetsuo Furuta (ext. 6614)
Coordinator: Hiroaki Hase (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, headwaters, and coasts), etc.).

Samples taken from the surface water bodies of Tokyo, Saitama, and Chiba Prefectures during the period of February 13-20 (2nd time for Chiba, 1st time for Tokyo and Saitama) 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

54 environmental reference points, etc. in the surface water bodies within Tokyo, Saitama, and Chiba Prefectures
(Rivers: 46 locations, Lakes: 8 locations)

(2) Survey Method

- Measurement of concentrations of radioactive materials (radioactive iodine (I-131), radioactive cesium (Cs-134 and Cs-137)) 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)

- Radioactive iodine (I-131): Not detectable (ND) at any location (*ND at any location)
- Radioactive cesium (Cs-134, Cs-137): ND at any location
(*ND at any location)

<Reference>

“Regulatory Guide: Emergency Preparedness for Nuclear Facilities (Nuclear Safety Commission)”
Standards for Restrictions on the Intake of Food and Drink (Drinking Water)
Radioactive iodine (I-131): 300Bq/kg or more
Radioactive cesium (total for Cs-134 + Cs-137): 200Bq/kg or more

(2) Sediment

- Radioactive iodine (I-131) ND at any location (Lower Detection Limit: 30Bq/kg (dried mud))
(*ND at any location)
- Radioactive cesium
(Rivers)

Cs-134: 12-3,900Bq/kg (dried mud) (Lower Detection Limit: 10Bq/kg (dried mud))
Cs-137: 23-5,100Bq/kg (dried mud) (Lower Detection Limit: 10Bq/kg (dried mud))
(*Cs-134: 18-4,300Bq/kg, Cs-137: 26-5,400Bq/kg)

(Lakes and headwaters)

Cs-134: 170-3,100Bq/kg (dried mud) (Lower Detection Limit: 10Bq/kg (dried mud))
Cs-137: 270-4,300Bq/kg (dried mud) (Lower Detection Limit: 10Bq/kg (dried mud))
(*Cs-134: 320-1,500Bq/kg, Cs-137: 410-1,800Bq/kg)

(3) Surrounding Environment

- Radioactive iodine (I-131) ND at any location (Lower Detection Limit: 30Bq/kg (dry))
- Radioactive cesium

(Rivers)

Cs-134: 85-1,900Bq/kg (dry)
Cs-137: 130-2,500Bq/kg (dry)
(*Cs-134: 51-3,000Bq/kg, Cs-137: 63-3,600Bq/kg)

(Lakes and headwaters)

Cs-134: 340-1,000Bq/kg (dry)
Cs-137: 510-1,600Bq/kg (dry)
(*Cs-134: 210-840Bq/kg, Cs-137: 290-1,000Bq/kg)

- Spatial Dose

(Rivers) 0.06-0.46μSv/h
(Lakes and headwaters) 0.12-0.26μSv/h

(Annex for details)
(Map attached)

Future Plants

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: Water Quality Monitoring Results

No.	Sampling point			Sampling date	Weather	Air temperature ℃	Full depth m	General items						Concentration of radioactive material Bq/L			Remarks	
	Water body	Location	Municipality					Water temperature ℃	Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			
1	Tonegawa River System	Shogengawa River	Fukamaohashi Bridge	Inzaishi City/Sakaemachi Town	2012/2/14	Cloudy	5.8	1.10	6.2	0.0	41	33.8	11	16	<1	<1	<1	
2		Shinbeibashi Bridge	Inzaishi City/Sakaemachi Town	2012/2/14	Rain	6.2	0.60	6.2	0.0	30	34.7	19	20	<1	<1	<1		
3		Nagatogawa River	Intake at Maeshinden Water Purification Plant	Inzaishi City/Sakaemachi Town	2012/2/14	Cloudy	6.0	0.60	6.7	0.0	35	33.2	19	18	<1	<1	<1	
4			Nagatobashi Bridge	Inzaishi City/Sakaemachi Town	2012/2/14	Rain	6.2	0.50	6.3	0.0	29	34.8	20	23	<1	<1	<1	
5			Fujimibashi Bridge	Sakaemachi Town	2012/2/14	Cloudy	6.4	0.30	7.0	0.0	65	39.0	8	9.7	<1	<1	<1	
6			Ryudaigawa River	Ryumatsunohashi Bridge	Naritashi City/Sakaemachi Town	2012/2/13	Cloudy	3.6	0.20	6.8	0.0	38	111.4	24	22	<1	<1	<1
7		Nekonagawa River	Shinkawa Floodgate	Naritashi City	2012/2/13	Cloudy	3.2	1.50	6.0	0.0	45	54.1	10	14	<1	<1	<1	
8	Feeder Rivers of Teganuma Lake	Ohorigawa River	Kitakashiwabashi Bridge	Kashiwashi City	2012/2/13	Cloudy	6.4	0.60	7.4	0.0	68	38.1	9	9.0	<1	<1	<1	
9		Otsugawa River	Sannobashi Bridge, under	Kamagayashi City	2012/2/15	Rain	8.3	0.40	11.0	0.0	98	44.7	3	4.7	<1	<1	<1	
10		Kaminumabashi Bridge	Kashiwashi City	2012/2/13	Cloudy	5.2	0.60	6.6	0.0	85	68.5	6	6.0	<1	<1	<1		
11		Someirotoshi	Someishinbashi Bridge	Kashiwashi City	2012/2/13	Cloudy	4.6	0.60	4.6	0.0	65	48.0	3	4.0	<1	<1	<1	
12		Kanayamaotoshi	Downstream of Karuizawasakaibashi Bridge	Kamagayashi City/Shiroishi City	2012/2/15	Cloudy	8.1	0.10	11.6	0.0	100 or more	42.7	2	3.5	<1	<1	<1	
13			Nauchibashi Bridge	Shiroishi City	2012/2/13	Cloudy	3.3	0.30	5.6	0.0	100 or more	40.3	2	2.1	<1	<1	<1	
14	Kamenarigawa River	Kamenaribashi Bridge	Inzaishi City	2012/2/14	Cloudy	6.2	0.30	6.4	0.0	100 or more	35.1	4	5.1	<1	<1	<1		
15	Feeder Rivers of Inbanuma Lake	Igusasu Channel	Downstream of Igusasu Channel	Kamagayashi City	2012/2/15	Cloudy	7.4	0.10	7.8	0.0	70	34.1	13	10	<1	<1	<1	
16		Futaegawa River	Tomigayabashi Bridge	Funabashishi City/Shiroishi City	2012/2/15	Cloudy	6.9	0.20	10.1	0.0	93	32.4	9	5.1	<1	<1	<1	
17		Kanzakigawa River	Kanzakibashi Bridge	Yachiyoshi City/Inzaishi City	2012/2/13	Cloudy	5.5	1.30	7.0	0.0	53	40.1	9	7.9	<1	<1	<1	
18		Kannogawa River	Kannobashi Bridge	Yachiyoshi City	2012/2/15	Cloudy	6.4	0.40	8.5	0.0	46.5	33.7	9	11	<1	<1	<1	
19		Inba Discharge Channel (upper reaches)	Yachiyobashi Bridge	Yachiyoshi City	2012/2/14	Rain	4.7	1.50	6.9	0.0	48.5	38.3	8	8.4	<1	<1	<1	
20		Tegurigawa River	Mumeibashi Bridge	Sakurashi City	2012/2/14	Rain	5.0	0.50	7.7	0.0	100 or more	41.9	3	3.3	<1	<1	<1	
21		Morotogawa River	Morotobashi Bridge	Inzaishi City	2012/2/13	Cloudy	6.7	0.70	5.9	0.0	90	28.6	5	3.5	<1	<1	<1	
22		Kashimagawa River	Iwatombashi Bridge	Sakurashi City	2012/2/14	Rain	5.7	0.50	9.3	0.0	79	32.3	5	4.1	<1	<1	<1	
23		Takasakigawa River	Ryutobashi Bridge	Sakurashi City	2012/2/14	Rain	5.6	0.50	9.2	0.0	83	41.0	6	5.4	<1	<1	<1	
24		Kashimagawa River	Kashimabashi Bridge	Sakurashi City	2012/2/14	Rain	5.3	1.70	8.6	0.0	62	37.5	10	8.0	<1	<1	<1	
25	Inbasu Channel	Tsurumakibashi Bridge	Inzaishi City	2012/2/13	Cloudy	6.8	2.10	6.3	0.0	25	33.5	19	20	<1	<1	<1		
26	Toneunga Canal	Ungabashi Bridge	Nagareyamashi City	2012/2/13	Sunny	5.0	0.53	5.8	0.0	80	53.4	5	6.4	<1	<1	<1		
27	Edogawa River System	Edogawa River	Nagareyamabashi Bridge	Nagareyamashi City/Misatoshi City	2012/2/13	Cloudy	4.5	0.63	5.1	0.0	70	29.8	7	6.6	<1	<1	<1	(Chiba Prefecture, Saitama Prefecture)
28		Sakagawa River	Bentenbashi Bridge	Matsudoshi City	2012/2/13	Cloudy	7.2	2.17	7.8	0.0	46	37.5	8	8.7	<1	<1	<1	
29		Shinsakagawa River	Sakanebashi Bridge	Matsudoshi City	2012/2/13	Sunny	7.0	0.60	8.5	0.0	78	39.7	5	6.8	<1	<1	<1	
30		Edogawa River	Shinkatsushikabashi Bridge	Matsudoshi City/Katsushika City	2012/2/13	Sunny	9.4	0.50	6.9	0.0	55	29.0	8	8.3	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)
31			Edogawa Floodgate, down	Ichikawashi City/Edogawa City	2012/2/20	Sunny	12.6	0.40	9.8	0.0	73	1334.0	6	9.0	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)
32			Shingyotokubashi Bridge	Ichikawashi City	2012/2/15	Cloudy	9.4	0.40	7.8	0.0	65	4400.0	11	11	<1	<1	<1	
33		Kyuedogawa River	Urayasubashi Bridge	Urayasushi City/Edogawa City	2012/2/14	Rain	6.0	7.20	8.4	0.0	46	1779.0	9	8.0	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)
34		Mamagawa River	Nemoto Floodgate	Ichikawashi City	2012/2/15	Cloudy	5.9	1.10	6.7	0.0	75	53.4	7	7.1	<1	<1	<1	
35		Kokubugawa River	Suwadabashi Bridge	Ichikawashi City	2012/2/15	Cloudy	7.3	0.50	10.6	0.0	75	53.1	9	8.0	<1	<1	<1	
36		Harukigawa River	Before the confluence with Kokubugawa River	Ichikawashi City	2012/2/15	Cloudy	6.2	0.60	9.9	0.0	77	89.5	4	5.6	<1	<1	<1	
37		Hasen-okashiwagawa River	Downstream of Nakazawashinbashi Bridge	Kamagayashi City/Ichikawashi City	2012/2/15	Cloudy	8.2	0.40	11.7	0.0	48	50.6	13	8.9	<1	<1	<1	
38		Sengenbagawa River	Ichikawashi Bridge	Ichikawashi City	2012/2/15	Cloudy	7.3	1.20	10.0	0.0	100 or more	54.0	5	6.8	<1	<1	<1	
39		Mamagawa River	Mitomaebashi Bridge	Ichikawashi City	2012/2/16	Cloudy	4.1	3.30	8.1	0.0	100 or more	420.0	4	6.5	<1	<1	<1	
40	Ebigawa River	Yachiyobashi Bridge	Funabashishi City	2012/2/16	Cloudy	3.8	2.50	8.5	0.0	100 or more	918.0	3	5.0	<1	<1	<1		
41	Inba Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2012/2/16	Snow	3.6	2.40	6.9	0.0	60	1699.0	7	10	<1	<1	<1		
42	Miyakogawa River	Miyakobashi Bridge	Chibashi City	2012/2/16	Snow	4.0	1.00	8.1	0.0	100 or more	937.0	3	4.4	<1	<1	<1		
43	Arakawa River System	Onarihashi Bridge	Konosushi City	2012/2/17	Clear	3.4	2.18	4.2	0.0	100 or more	27.9	4	4.2	<1	<1	<1	(Saitama Pref.) (Collected from a bridge in lower reaches due to difficulty in water sampling)	
44		Arakawa River	Sasamehashi Bridge	Todashi City/Wakoshi City/Itabashi City	2012/2/17	Clear	10.2	1.00	12.4	0.0	30	67.3	17	26	<1	<1	<1	(Saitama Pref., Tokyo Pref.)
45		Kasaibashi Bridge	Koto City/Edogawa City	2012/2/17	Cloudy	7.6	1.20	10.2	0.0	61	2.4	9	9.9	<1	<1	<1	(Tokyo Prefecture)	
46		Sumidagawa River	Ryogokubashi Bridge	Chuo City/Sumida City	2012/2/17	Sunny	8.6	6.47	11.0	0.0	93	2.6	3	5.0	<1	<1	<1	(Tokyo Prefecture)

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

○River: Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	General items			Property	Concentration of radioactive material Bq/kg (dried mud)			Remarks	
No.	Water body	Location	Municipality					Mud temperature ℃	Mud sampling depth cm	Mud content %		Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			
1	Tonegawa River System	Fukamaohashi Bridge	Inzaishi City/Sakaemachi Town	2012/2/14	Cloudy	5.8	1.10	6.1	5	54.5	Silt	<30	780	1,000		
2		Shogengawa River	Shinbeibashi Bridge	Inzaishi City/Sakaemachi Town	2012/2/14	Rain	6.2	0.60	6.0	3	72.8	Sand with gravel	<30	30	42	
3		Nagatogawa River	Intake at Maeshinden Water Purification Plant	Inzaishi City/Sakaemachi Town	2012/2/14	Cloudy	6.0	0.60	6.5	5	36.6	Silt	<30	380	570	
4			Nagatobashi Bridge	Inzaishi City/Sakaemachi Town	2012/2/14	Rain	6.2	0.50	6.2	5	78.3	Sand	<30	200	310	
5			Fujimibashi Bridge	Sakaemachi Town	2012/2/14	Cloudy	6.4	0.30	6.8	3	78.9	Sand	<30	380	540	
6		Ryudaigawa River	Ryumatsunohashi Bridge	Naritashi City/Sakaemachi Town	2012/2/13	Cloudy	3.6	0.20	6.9	5	81.1	Sand	<30	120	140	
7		Nekonogawa River	Shinkawa Floodgate	Naritashi City	2012/2/13	Cloudy	3.2	1.50	8.6	5	28.4	Silt with sand	<30	810	1,200	
8	Feeder Rivers of Teganuma Lake	Ohorigawa River	Kitakashiwabashi Bridge	Kashiwashi City	2012/2/13	Cloudy	6.4	0.60	7.2	5	58.9	Sand with gravel	<30	1,800	2,300	
9		Otsugawa River	Sannobashi Bridge, under	Kamagayashi City	2012/2/15	Rain	8.3	0.40	11.0	5	41.1	Silt with sand	<30	180	260	
10		Kaminumabashi Bridge	Kashiwashi City	2012/2/13	Cloudy	5.2	0.60	6.4	10	78.5	Sand	<30	3,900	5,100		
11		Someirotoshi	Someishinbashi Bridge	Kashiwashi City	2012/2/13	Cloudy	4.6	0.60	4.5	5	31.8	Silt	<30	2,100	3,000	
12		Kanayamatoshi	Downstream of Karuzawasaibaashi Bridge	Kamagayashi City/Shiroishi City	2012/2/15	Cloudy	8.1	0.10	12.6	3	66.9	Sand with gravel	<30	960	1,300	
13			Nauchbashi Bridge	Shiroishi City	2012/2/13	Cloudy	3.3	0.30	5.3	3	74.5	Sand with silt	<30	1,000	1,400	
14			Kamenaribashi Bridge	Inzaishi City	2012/2/14	Cloudy	6.2	0.30	6.2	5	35.2	Silt	<30	160	200	
15	Feeder Rivers of Inbanuma Lake	Igasasuiro Channel	Downstream of Igasasuiro Channel	Kamagayashi City	2012/2/15	Cloudy	7.4	0.10	10.8	5	81.8	Sand with gravel	<30	1,700	2,400	
16		Futaegawa River	Tomigayabashi Bridge	Funabashi City/Shiroishi City	2012/2/15	Cloudy	6.9	0.20	10.8	5	74.8	Sand	<30	1,400	1,900	
17		Kanzakigawa River	Kanzakibashi Bridge	Yachiyoshi City/Inzaishi City	2012/2/13	Cloudy	5.5	1.30	6.9	5	44.0	Silt with sand	<30	980	1,400	
18		Kannogawa River	Kannobashi Bridge	Yachiyoshi City	2012/2/15	Cloudy	6.4	0.40	8.8	5	67.1	Sand with gravel	<30	520	730	
19		Inba Discharge Channel (upper reaches)	Yachiyobashi Bridge	Yachiyoshi City	2012/2/14	Rain	4.7	1.50	7.3	5	29.8	Silt with sand	<30	3,400	4,400	
20		Tegurigawa River	Mumeibashi Bridge	Sakurashi City	2012/2/14	Rain	5.0	0.50	7.6	5	75.2	Sand with gravel	<30	1,400	1,800	
21		Morotogawa River	Morotobashi Bridge	Inzaishi City	2012/2/13	Cloudy	6.7	0.70	6.8	5	61.1	Silt with sand	<30	530	760	
22		Kashimagawa River	Iwatombashi Bridge	Sakurashi City	2012/2/14	Rain	5.7	0.50	9.6	5	80.8	Sand	<30	100	130	
23		Takasakigawa River	Ryutobashi Bridge	Sakurashi City	2012/2/14	Rain	5.6	0.50	8.9	5	85.3	Sand	<30	130	180	
24		Kashimagawa River	Kashimabashi Bridge	Sakurashi City	2012/2/14	Rain	5.3	1.70	7.2	5	80.6	Sand	<30	57	92	
25		Inbasuiro Channel	Tsurumakibashi Bridge	Inzaishi City	2012/2/13	Cloudy	6.8	2.10	7.3	5	79.7	Sand with silt	<30	190	270	
26	Edogawa River System	Ungauga Canal	Ungabashi Bridge	Nagareyamashi City	2012/2/13	Sunny	5.0	0.53	6.0	10	58.5	Silt with sand	<30	1,300	1,800	
27		Edogawa River	Nagareyamabashi Bridge	Nagareyamashi City/Mitsushiro City	2012/2/13	Cloudy	4.5	0.63	5.4	10	76.8	Gravel/sand with silt	<30	100	120	(Chiba Prefecture, Saitama Prefecture)
28		Sakagawa River	Bentenbashi Bridge	Matsudoshi City	2012/2/13	Cloudy	7.2	2.17	7.6	10	71.1	Silt with sand	<30	1,700	2,200	
29		Shinsakagawa River	Sakanebashi Bridge	Matsudoshi City	2012/2/13	Sunny	7.0	0.60	8.3	5	71.9	Sand with gravel	<30	1,900	2,700	
30		Edogawa River	Shinkatsushikabashi Bridge	Matsudoshi City/Katsushika City	2012/2/13	Sunny	9.4	0.50	7.0	5	62.8	Silt with sand	<30	420	590	(Chiba Prefecture, Tokyo Prefecture)
31			Edogawa Floodgate, down	Ichikawashi City/Edogawa City	2012/2/20	Sunny	12.6	0.40	8.4	5	54.9	Silt with sand	<30	350	500	(Chiba Prefecture, Tokyo Prefecture)
32			Shingyotokubashi Bridge	Ichikawashi City	2012/2/15	Cloudy	9.4	0.40	7.8	3	71.3	Silt with sand	<30	17	42	
33		Kyuedogawa River	Urayasubashi Bridge	Urayasushi City/Edogawa City	2012/2/14	Rain	6.0	7.20	8.0	5	76.1	Sand	<30	160	220	(Chiba Prefecture, Tokyo Prefecture)
34		Mamagawa River	Nemoto Floodgate	Ichikawashi City	2012/2/15	Cloudy	5.9	1.10	6.5	3	75.9	Sand	<30	450	600	
35		Kokubugawa River	Suwadabashi Bridge	Ichikawashi City	2012/2/15	Cloudy	7.3	0.50	10.3	5	69.5	Sand	<30	680	930	
36		Harukigawa River	Before the confluence with Kokubugawa River	Ichikawashi City	2012/2/15	Cloudy	6.2	0.60	9.9	5	73.2	Silt with sand	<30	540	730	
37		Hasen-okashiwagawa River	Downstream of Nakazawashinbashi Bridge	Kamagayashi City/Ichikawashi City	2012/2/15	Cloudy	8.2	0.40	11.4	5	69.8	Sand with silt	<30	530	690	
38		Okashiwagawa River	Sengenbashi Bridge	Ichikawashi City	2012/2/15	Cloudy	7.3	1.20	10.1	5	84.0	Sand	<30	330	460	
39	Mamagawa River	Mitomaebashi Bridge	Ichikawashi City	2012/2/16	Cloudy	4.1	3.30	8.3	12	38.1	Silt	<30	2,000	2,700		
40	Ebigawa River	Yachiyobashi Bridge	Funabashi City	2012/2/16	Cloudy	3.8	2.50	8.4	5	73.8	Sand with silt	<30	140	200		
41	Inba Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2012/2/16	Snow	3.6	2.40	6.7	10	47.5	Silt	<30	770	1,000		
42	Miyakogawa River	Chibashi Bridge	Chibashi City	2012/2/16	Snow	4.0	1.00	8.0	5	74.5	Sand	<30	71	100		
43	Arakawa River System	●●Arakawa River/Daibashi Bridge Arakawa River/Daibashi Bridge	Konosushi City	2012/2/17	Clear	3.4	2.18	4.3	5	75.8	Gravel/sand with silt	<30	12	23	(Saitama Pref. Collected from a bridge in lower reaches due to difficulty in mud sampling)	
44		Arakawa River	Sasamehashi Bridge	Fodashi City/Wakashi City/Tsukuba City	2012/2/17	Clear	10.2	1.00	11.9	5	47.8	Silt	<30	240	290	(Saitama Pref., Tokyo Pref.)
45		Kasaibashi Bridge	Koto City/Edogawa City	2012/2/17	Cloudy	7.6	1.20	9.2	12	40.0	Silt	<30	280	420	(Tokyo Prefecture)	
46		Sumidagawa River	Ryogokubashi Bridge	Chuo City/Sumida City	2012/2/17	Sunny	8.6	6.47	10.4	10	47.3	Silt with sand	<30	250	330	(Tokyo Prefecture)

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

○Lake and Headwater: Water Quality Monitoring Results

Sampling point		Sampling date	Weather	Air temperature °C	Full depth m	General items						Concentration of radioactive material Bq/L			Remarks
No.	Location					Water temperature °C	Sampling depth m	Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
1	Fusashita	2012/2/14	Rain	6.3	2.2	5.9	0.5	0.6	35.8	25	39	<1	<1	<1	
	1 m from the bottom	-	-	-	-	-	1.2	-	35.9	29	41	<1	<1	<1	
2	Shimoteganuma Chuo	2012/2/14	Rain	4.9	1.3	6.0	0.5	0.7	33.3	28	38	<1	<1	<1	
	0.5 m from the bottom	-	-	-	-	-	0.8	-	33.2	30	37	<1	<1	<1	
3	Teganuma Chuo	2012/2/14	Rain	5.2	1.3	5.8	0.5	0.6	34.7	24	24	<1	<1	<1	
	0.5 m from the bottom	-	-	-	-	-	0.8	-	34.8	24	24	<1	<1	<1	
4	Nedoshita	2012/2/14	Cloudy	5.8	1.9	6.3	0.5	1.1	32.6	10	9.3	<1	<1	<1	
	1 m from the bottom	-	-	-	-	-	0.9	-	33.7	10	9.4	<1	<1	<1	
5	Kita Inbanuma Chuo	2012/2/14	Cloudy	5.8	1.6	5.8	0.5	0.7	33.6	19	20	<1	<1	<1	
	1 m from the bottom	-	-	-	-	-	0.6	-	34.0	18	20	<1	<1	<1	
6	Ipponmatsushita	2012/2/14	Cloudy	5.8	1.6	6.1	0.5	0.8	31.2	17	18	<1	<1	<1	
	1 m from the bottom	-	-	-	-	-	0.6	-	31.0	16	18	<1	<1	<1	
7	Lower area of Josuido water intake	2012/2/14	Rain	6.1	1.5	6.3	0.5	0.6	32.3	19	25	<1	<1	<1	
	0.5 m from the bottom	-	-	-	-	-	1.0	-	31.9	21	24	<1	<1	<1	
8	Asobashi Bridge	2012/2/14	Rain	6.0	1.9	6.6	0.5	1.0	34.1	9	12	<1	<1	<1	
	0.5 m from the bottom	-	-	-	-	-	1.4	-	34.0	10	13	<1	<1	<1	

*Sampling points are listed from north to south.

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

Sampling point		Sampling date	Weather	Air temperature °C	Full depth m	Sediment						Surrounding environment (lake shore)					Remarks
No.	Location					General items				Concentration of radioactive material Bq/kg (dried mud)		Property	Soil				
		Mud temperature °C	Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			Air dose μSv/h				
1	Fusashita	2012/2/14	Rain	6.3	2.2	6.1	10	58.0		Silt	<30	470		620	-	-	-
	Shimoteganuma Chuo	2012/2/14	Rain	4.9	1.3	6.2	12	34.9	Silt	<30	450	690	Loamy	<30	1,000	1,600	0.20
	Teganuma Chuo	2012/2/14	Rain	5.2	1.3	6.0	12	23.3	Silt	<30	670	1,000	-	-	-	-	
	Nedoshita	2012/2/14	Cloudy	5.8	1.9	6.8	12	29.1	Silt	<30	3,100	4,300	Loamy	<30	810	1,100	0.26
5	Kita Inbanuma Chuo	2012/2/14	Cloudy	5.8	1.6	5.5	12	21.8	Silt	<30	420	460	Loamy	<30	340	510	0.25
	Ipponmatsushita	2012/2/14	Cloudy	5.8	1.6	6.3	12	22.9	Silt	<30	390	680	-	-	-	-	
	Lower area of Josuido water intake	2012/2/14	Rain	6.1	1.5	7.0	12	26.6	Silt	<30	570	680	-	-	-	-	
	Asobashi Bridge	2012/2/14	Rain	6.0	1.9	6.8	10	53.4	Silt with sand	<30	170	270	Loamy	<30	360	500	0.12

*Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

*Sampling points are listed from north to south.

