

(News Release)

The Results of Radioactive Material Monitoring of the Surface Water Bodies
within Tokyo, Saitama, and Chiba Prefectures
(December-February 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 Tokyo, Saitama, and Chiba Prefectures during the period of December 3, 2012-February 20, 2013 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

67 environmental reference points, etc. in the surface water bodies within Tokyo, Saitama, and Chiba Prefectures

(Rivers: 51 locations, Lakes and headwaters: 8, Coasts: 8 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 (September-November 2012))

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

Cs-134+Cs-137: Not detectable (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))

Overall, the levels were around 1,000Bq/kg or below at most of the locations (coasts: 500Bq/kg or below), and generally had a declining tendency or have remained constant.

(Rivers)

Cs-134 + Cs-137: 12-14,200Bq/kg (dried mud) (*37-5,700Bq/kg (dried mud))

(Lakes)

Cs-134 + Cs-137: 460-8,200Bq/kg (dried mud) (*630-7,600Bq/kg (dried mud))

(Coasts)

Cs-134 + Cs-137: ND-780Bq/kg (dried mud) (*ND-440Bq/kg (dried mud))

<Reference> Number of locations by radioactive cesium concentration (500Bq/kg)
Numbers in () denote results measured on the previous occasion.

	500 or below	501 -1,000	1,001 -1,500	1,501 -2,000	2,001 -2,500	2,501 -3,000	3,001 or more	Total
Rivers	22 (27)	9 (12)	8 (5)	1 (2)	2 (2)	4 (5)	5 (4)	51 (54)
Lakes and headwaters	2 (0)	9 (5)	1 (1)	2 (1)	-	-	2 (1)	16 (8)
Coasts	14 (15)	2 (0)	-	-	-	-	-	16 (15)

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

(Rivers)

Cs-134 + Cs-137: 65-3,700Bq/kg (dry) (*14-5,000Bq/kg (dry))

Spatial dose: 0.05-0.24μSv/h

(Lakes)

Cs-134 + Cs-137: 340-1,720Bq/kg (dry) (*430-1,540Bq/kg (dry))

Spatial dose: 0.10-0.22μSv/h

(Annex for details)
(Map attached)

Future Plans

MOE intends to continue to measure radioactive materials in water, sediment, etc. in rivers, lakes, etc. in FY2013 since concentrations of radioactive materials seem to show fluctuations, depending on locations, due to minor differences in sampling points or properties of samples of each survey.

ORiver: Water Quality Monitoring Results

No.	Sampling point				Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks	
	Water body	Point	Municipality	Sampling date			Sampling depth m	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
1	Tonegawa River System	Shogengawa River	Fukamaohashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Sunny	1.90	0.0	38	19	6	5	<1	<1	<1	
2		Shinbeibashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	2.50	0.0	16	18	23	15	<1	<1	<1		
3		Intake at Maeshinden Water Purification Plant	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	0.70	0.0	18	19	21	14	<1	<1	<1		
4		Nagatogawa River	Nagatobashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	0.60	0.0	19	19	23	15	<1	<1	<1	
5		Fujimibashi Bridge	Sakaemachi Town	2013/1/16	Sunny	1.30	0.0	17	19	21	15	<1	<1	<1		
6		Ryudaigawa River	Ryumatsunohashi Bridge	Naritashi City/Sakaemachi Town	2013/1/25	Sunny	0.20	0.0	44	117	14	12	<1	<1	<1	
7		Nekonagawa River	Shinkawa Floodgate	Naritashi City	2013/1/25	Sunny	2.00	0.0	47	52	6	5	<1	<1	<1	
8	Feeder Rivers of Teganuma Lake	Ohorigawa River	Kitakashiwabashi Bridge	Kashiwashashi City	2013/1/18	Sunny	0.30	0.0	>100	24	3	2	<1	<1	<1	
9		Sannobashi Bridge, under	Kamagayashi City	2013/1/21	Sunny	0.30	0.0	>100	54	1	2	<1	<1	<1		
10		Otsugawa River	Kaminumabashi Bridge	Kashiwashashi City	2013/1/18	Sunny	0.50	0.0	>100	40	2	2	<1	<1	<1	
11		Someiritoshi	Someishinbashi Bridge	Kashiwashashi City	2013/1/18	Sunny	0.20	0.0	38	35	6	4	<1	<1	<1	
12		Downstream of Kanuzawasakaibashi Bridge	Kamagayashi City/Usuisashi City	2013/1/21	Sunny	0.30	0.0	>100	50	3	2	<1	<1	<1		
13		Coastal area of Keiyo Port (Ebigawa River Estuary)	Nauchibashi Bridge	Usuisashi City	2013/1/18	Sunny	0.40	0.0	>100	25	2	1	<1	<1	<1	
14		Kamenarigawa River	Kamenaribashi Bridge	Inzaishi City	2013/1/18	Sunny	0.80	0.0	68	24	4	3	<1	<1	<1	
15	Feeder Rivers of Inbanuma Lake	Igusasuuro Channel	Downstream of Igusasuuro Channel	Kamagayashi City	2013/1/21	Sunny	0.05	0.0	55	33	4	4	<1	<1	<1	
16		Futaegawa River	Tomigayabashi Bridge	Funabashashi City/Usuisashi City	2013/1/21	Sunny	0.40	0.0	>100	46	<1	1	<1	<1	<1	
17		Kanzakigawa River	Kanzakibashi Bridge	Yachiyoishi City/Inzaishi City	2013/1/29	Sunny	1.60	0.0	64	46	5	4	<1	<1	<1	
18		Kannogawa River	Kannobashi Bridge	Yachiyoishi City	2013/1/29	Sunny	0.50	0.0	74	50	3	3	<1	<1	<1	
19		Inba Discharge Channel (upper reaches)	Yachiyoibashi Bridge	Yachiyoishi City	2013/1/29	Sunny	2.80	0.0	25	43	17	11	<1	<1	<1	
20		Tegurigawa River	Mumeibashi Bridge	Sakurashi City	2013/1/29	Sunny	0.30	0.0	>100	42	2	2	<1	<1	<1	
21		Morotogawa River	Morotobashi Bridge	Inzaishi City	2013/1/29	Sunny	0.80	0.0	>100	32	<1	2	<1	<1	<1	
22	Kashimagawa River	Iwatombashi Bridge	Sakurashi City	2013/1/28	Sunny	0.80	0.0	>100	39	3	2	<1	<1	<1		
23	Takasakigawa River	Ryutobashi Bridge	Sakurashi City	2013/1/28	Sunny	0.50	0.0	64	40	5	3	<1	<1	<1		
24	Kashimagawa River	Kashimabashi Bridge	Sakurashi City	2013/1/28	Sunny	2.50	0.0	65	42	3	3	<1	<1	<1		
25	Inbasuuro Channel	Tsurumakibashi Bridge	Inzaishi City	2013/1/25	Cloudy	2.50	0.0	23	35	16	12	<1	<1	<1		
26	Edogawa River System	Toneunga Canal	Ungabashi Bridge	Nagareyamashi City	2013/1/23	Cloudy	0.30	0.0	47	56	3	4	<1	<1	<1	
27		Edogawa River	Nagareyamabashi Bridge	Nagareyamashi City/Misatoshi City	2013/1/23	Cloudy	0.60	0.0	80	36	3	3	<1	<1	<1	(Chiba Prefecture, Saitama Prefecture)
28		Sakagawa River	Bentenbashi Bridge	Matsudoshi City	2013/1/23	Cloudy	1.80	0.0	52	39	6	6	<1	<1	<1	
29		Shinsakagawa River	Sakanebashi Bridge	Matsudoshi City	2013/1/23	Cloudy	0.50	0.0	57	20	3	3	<1	<1	<1	
30		Shinkatsushikabashi Bridge	Matsudoshi City/Katsushika City	2013/1/23	Cloudy	1.80	0.0	77	35	3	3	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)	
31		Edogawa River	Ichikawabashi Bridge	Ichikawashi City/Edogawa City	2013/1/24	Sunny	4.00	0.0	65	39	2	3	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)
32		Vicinity of Keiyo Road	Ichikawashi City/Edogawa City	2013/1/24	Cloudy	3.70	0.0	40	35	3	3	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)	
33		Gyotoku Movable Weir (upper reaches)	Ichikawashi City	2013/1/24	Cloudy	4.40	0.0	40	34	4	4	<1	<1	<1		
34		Shingyotokubashi Bridge	Ichikawashi City	2013/1/24	Sunny	0.30	0.0	47	4,880	7	4	<1	<1	<1		
35		Edogawa Floodgate, down	Ichikawashi City/Edogawa City	2013/1/24	Sunny	5.80	0.0	52	1,538	2	2	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)	
36		8km Point to the estuary	Urayasushi City/Edogawa City	2013/1/24	Sunny	4.60	0.0	47	1,548	3	2	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)	
37		Imabashi Bridge	Urayasushi City/Edogawa City	2013/1/24	Sunny	4.50	0.0	45	927	2	2	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)	
38		Urayasubashi Bridge	Urayasushi City/Edogawa City	2013/1/24	Sunny	2.00	0.0	>100	1,730	2	1	<1	<1	<1	(Chiba Prefecture, Tokyo Prefecture)	
39		Mamagawa River	Nemoto Floodgate	Ichikawashi City	2013/1/17	Sunny	1.60	0.0	58	17	4	4	<1	<1	<1	
40		Kokubugawa River	Suwadabashi Bridge	Ichikawashi City	2013/1/17	Sunny	0.80	0.0	54	38	3	3	<1	<1	<1	
41		Harukigawa River	Before the confluence with Kokubugawa River	Ichikawashi City	2013/1/17	Sunny	1.00	0.0	49	43	2	3	<1	<1	<1	
42		Hasen-okashiwagawa River	Downstream of Nakazawashinbashi Bridge	Kamagayashi City/Ichikawashi City	2013/1/21	Sunny	0.10	0.0	43	61	11	7	<1	<1	<1	
43	Okashiwagawa River	Sengenbashi Bridge	Ichikawashi City	2013/1/17	Sunny	2.00	0.0	45	36	3	3	<1	<1	<1		
44	Coastal area of Keiyo Port (Ebigawa River Estuary)	Mitomaebashi Bridge	Ichikawashi City	2013/1/17	Cloudy	2.50	0.0	50	460	3	3	<1	<1	<1		
45	Ebigawa River	Yachiyoibashi Bridge	Funabashashi City	2013/1/17	Cloudy	1.80	0.0	69	650	3	3	<1	<1	<1		
46	Inba Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2013/1/17	Cloudy	1.80	0.0	48	726	6	6	<1	<1	<1		
47	Miyakogawa River	Miyakobashi Bridge	Chibashi City	2013/1/15	Cloudy	1.50	0.0	52	240	3	4	<1	<1	<1		
48	Arakawa River System	Arakawa River Middle Reaches	Onaribashi Bridge	Konosushi City	2013/1/21	Sunny	1.95	0.0	71	30	5	3	<1	<1	<1	(Saitama Prefecture)
49		Arakawa River Lower Reaches	Sasamebashi Bridge	Todashi City/Wakoshi City/Itabashi City	2013/1/21	Sunny	0.65	0.0	42	73	3	4	<1	<1	<1	(Saitama Prefecture, Tokyo Prefecture)
50		Arakawa River Lower Reaches	Kasaibashi Bridge	Koto City/Edogawa City	2013/1/24	Sunny	2.50	0.0	32	3,190	13	11	<1	<1	<1	(Tokyo Prefecture)
51		Sumidagawa River	Ryogokubashi Bridge	Chuo City/Sumida City	2013/1/24	Sunny	3.00	0.0	>100	3,160	4	2	<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

No.	Sampling point			Sampling date	Weather	Full depth m	General items			Concentration of radioactive material Bq/kg (dried mud)				Remarks	
	Water body	Point	Municipality				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Radioactive cesium				
											Cs-134	Cs-137	Total		
1	Tonegawa River System	Shogengawa River	Fukamaohashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Sunny	1.90	7	81	Silt	<30	200	390	590	
2		Shinbeibashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	2.50	5	88	Gravel/sand	<30	18	38	56		
3		Intake at Maeshinden Water Purification Plant	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	0.70	5	64	Sludge	<30	160	270	430		
4		Nagatogawa River	Nagatobashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	0.60	2	88	Sand	<30	84	160	244	
5		Fujimibashi Bridge	Sakaemachi Town	2013/1/16	Sunny	1.30	1	65	Silt	<30	140	270	410		
6		Ryudaigawa River	Ryumatsunohashi Bridge	Naritashi City/Sakaemachi Town	2013/1/25	Sunny	0.20	3	78	Sand	<30	130	220	350	
7		Nekonogawa River	Shinkawa Floodgate	Naritashi City	2013/1/25	Sunny	2.00	6	46	Silt	<30	360	720	1,080	
8	Feeder Rivers of Teganuma Lake	Ohorigawa River	Kitakashiwashi Bridge	Kashiwashi City	2013/1/18	Sunny	0.30	6	80	Silt	<30	1,500	2,700	4,200	
9		Sannobashi Bridge, under	Kamagayashi City	2013/1/21	Sunny	0.30	2	89	Gravel/sand	<30	250	460	710		
10		Otsugawa River	Kaminumabashi Bridge	Kashiwashi City	2013/1/18	Sunny	0.50	4	42	Mud	<43	5,100	9,100	14,200	
11		Someirotoshi	Someishinbashi Bridge	Kashiwashi City	2013/1/18	Sunny	0.20	6	61	Mud	<30	1,000	1,900	2,900	
12		(Coastal area of Keijo Port (Edogawa River Estuary))	Downstream of Karuizawasakaibashi Bridge	Kamagayashi City/Usuishi City	2013/1/21	Sunny	0.30	1	77	Gravel/sand	<30	500	930	1,430	
13		Nauchibashi Bridge	Usuishi City	2013/1/18	Sunny	0.40	4	86	Sand	<30	420	790	1,210		
14		Kamenarigawa River	Kamenaribashi Bridge	Inzaishi City	2013/1/18	Sunny	0.80	6	36	Mud	<32	1,800	3,500	5,300	
15	Feeder Rivers of Inbanuma Lake	Igusasu Channel	Downstream of Igusasu Channel	Kamagayashi City	2013/1/21	Sunny	0.05	1	76	Sand	<30	950	1,800	2,750	
16		Futagawa River	Tomigayabashi Bridge	Funabashishi City/Usuishi City	2013/1/21	Sunny	0.40	6	89	Sand	<30	530	930	1,460	
17		Kanzakigawa River	Kanzakibashi Bridge	Yachiyoshi City/Inzaishi City	2013/1/29	Sunny	1.60	5	65	Gravel/Sand/silt	<30	420	730	1,150	
18		Kannogawa River	Kannobashi Bridge	Yachiyoshi City	2013/1/29	Sunny	0.50	3	77	Sand	<30	260	470	730	
19		(Inba Discharge Channel (upper reaches))	Yachiyobashi Bridge	Yachiyoshi City	2013/1/29	Sunny	2.80	8	38	Silt	<30	470	810	1,280	
20		Tegurigawa River	Mumeibashi Bridge	Sakurashi City	2013/1/29	Sunny	0.30	4	78	Silt	<30	980	1,800	2,780	
21		Morotogawa River	Morotobashi Bridge	Inzaishi City	2013/1/29	Sunny	0.80	5	35	Silt	<30	830	1,500	2,330	
22		Kashimigawa River	Iwatombashi Bridge	Sakurashi City	2013/1/28	Sunny	0.80	5	89	Sand	<30	44	100	144	
23		Takasakigawa River	Ryutobashi Bridge	Sakurashi City	2013/1/28	Sunny	0.50	3	86	Sand	<30	110	200	310	
24		Kashimigawa River	Kashimabashi Bridge	Sakurashi City	2013/1/28	Sunny	2.50	3	89	Sand	<30	54	89	143	
25		Inbasu Channel	Tsurumakibashi Bridge	Inzaishi City	2013/1/25	Cloudy	2.50	3	84	Sand	<30	91	200	291	
26	E d o g a w a R i v e r S y s t e m	Toneunga Canal	Ungabashi Bridge	Nagareyama City	2013/1/23	Cloudy	0.30	4	58	Sand/silt	<30	1,100	1,900	3,000	
27		Edogawa River	Nagareyama Bridge	Nagareyama City/Misatoshi City	2013/1/23	Cloudy	0.60	4	77	Sand/silt	<30	95	180	275	(Chiba Prefecture, Saitama Prefecture)
28		Sakagawa River	Bentenbashi Bridge	Matsudoshi City	2013/1/23	Cloudy	1.80	3	75	Sand/silt	<30	1,200	2,200	3,400	
29		Shinsakagawa River	Sakanebashi Bridge	Matsudoshi City	2013/1/23	Cloudy	0.50	1	78	Sand	<30	1,300	2,300	3,600	
30		Edogawa River	Shinkatsushikabashi Bridge	Matsudoshi City/Katsushika City	2013/1/23	Cloudy	1.80	3	65	Sand/silt	<30	240	460	700	(Chiba Prefecture, Tokyo Prefecture)
31			Ichikawabashi Bridge	Ichikawashi City/Edogawa City	2013/1/24	Sunny	4.00	5	83	Sand	<30	120	230	350	(Chiba Prefecture, Tokyo Prefecture)
32			Vicinity of Keijo Road	Ichikawashi City/Edogawa City	2013/1/24	Cloudy	3.70	5	81	Sand/silt	<30	76	140	216	(Chiba Prefecture, Tokyo Prefecture)
33			Gyotoku Movable Weir (upper reaches)	Ichikawashi City	2013/1/24	Cloudy	4.40	5	70	Silt	<30	130	240	370	
34		Shingyotokubashi Bridge	Ichikawashi City	2013/1/24	Sunny	0.30	2	85	Sand	<30	<10	17	17		
35		Kyuedogawa River	Edogawa Floodgate, down	Ichikawashi City/Edogawa City	2013/1/24	Sunny	5.80	1	73	Sand	<30	37	66	103	(Chiba Prefecture, Tokyo Prefecture)
36			8km Point to the estuary	Urayasushi City/Edogawa City	2013/1/24	Sunny	4.60	5	81	Sand	<30	53	92	145	(Chiba Prefecture, Tokyo Prefecture)
37			Imabashi Bridge	Urayasushi City/Edogawa City	2013/1/24	Sunny	4.50	5	87	Sand	<30	24	51	75	(Chiba Prefecture, Tokyo Prefecture)
38			Urayasubashi Bridge	Urayasushi City/Edogawa City	2013/1/24	Sunny	2.00	5	47	Silt	<30	540	1,100	1,640	(Chiba Prefecture, Tokyo Prefecture)
39		Mamagawa River	Nemoto Floodgate	Ichikawashi City	2013/1/17	Sunny	1.60	1	82	Sand	<30	270	480	750	
40		Kokubugawa River	Suwadabashi Bridge	Ichikawashi City	2013/1/17	Sunny	0.80	5	77	Sand	<30	340	630	970	
41		Harukigawa River	Before the confluence with Kokubugawa River	Ichikawashi City	2013/1/17	Sunny	1.00	4	85	Sand/silt	<30	260	500	760	
42		Hasen-okashiwagawa River	Downstream of Nakazawashinbashi Bridge	Kamagayashi City/Ichikawashi City	2013/1/21	Sunny	0.10	3	27	Mud	<30	56	110	166	
43		Okashiwagawa River	Sengenbashi Bridge	Ichikawashi City	2013/1/17	Sunny	2.00	3	82	Sand	<30	280	450	730	
44		(Coastal area of Keijo Port (Edogawa River Estuary))	Mitomabashi Bridge	Ichikawashi City	2013/1/17	Cloudy	2.50	10	51	Silt	<30	720	1,300	2,020	
45		Ebigawa River	Yachiyobashi Bridge	Funabashishi City	2013/1/17	Cloudy	1.80	10	63	Silt	<30	420	740	1,160	
46	Inba Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2013/1/17	Cloudy	1.80	4	66	Silt	<30	450	820	1,270		
47	Miyakogawa River	Miyakobashi Bridge	Chibashi City	2013/1/15	Cloudy	1.50	3	84	Sand	<30	73	120	193		
48	Arakawa River System	Arakawa River Middle Reaches	Onarihashi Bridge	Konosushi City	2013/1/21	Sunny	1.95	3	90	Sand	<30	<10	12	12	(Saitama Prefecture)
49		Arakawa River Lower Reaches	Sasamehashi Bridge	Todashi City/Wakoshi City/Itabashi City	2013/1/21	Sunny	0.65	1	57	Sand/clay	<30	200	340	540	(Saitama Prefecture, Tokyo Prefecture)
50		Arakawa River Lower Reaches	Kasaibashi Bridge	Koto City/Edogawa City	2013/1/24	Sunny	2.50	5	54	Silt	<30	65	110	175	(Tokyo Prefecture)
51		Sumidagawa River	Ryogokubashi Bridge	Chuo City/Sumida City	2013/1/24	Sunny	3.00	5	64	Sand/silt	<30	110	200	310	(Tokyo Prefecture)

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

ORiver: 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 μSv/h	Property	Concentration of radioactive material: Bq/kg (dry)					Air dose μSv/h	
							Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137				Total	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137			Total
Tonegawa River System	Shogengawa River	Fukamaohashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Sunny	Loamy	<30	540	960	1,500	0.15	Loamy	<30	420	760	1,180	0.20		
		Shimbebashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	Loamy	<30	410	760	1,170	0.10	Loamy	<30	110	180	290	0.10		
	Nagatogawa River	Inake at Maeshinden Water Purification Plant	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	Loamy	<30	110	210	320	0.09	Loamy	<30	350	660	1,010	0.12		
		Nagatobashi Bridge	Inzaishi City/Sakaemachi Town	2013/1/16	Cloudy	Loamy	<30	160	260	420	0.10	Loamy	<30	380	690	1,070	0.10		
		Fujinobashi Bridge	Sakaemachi Town	2013/1/16	Sunny	Loamy	<30	150	270	420	0.10	Loamy	<30	150	280	430	0.10		
	Ryudaijigawa River	Ryumatsunohashi Bridge	Naritashi City/Sakaemachi Town	2013/1/25	Sunny	Loamy	<30	140	250	390	0.12	Loamy	<30	270	490	760	0.14		
	Nekonagawa River	Shinkawa Floodgate	Naritashi City	2013/1/25	Sunny	Loamy/skeletal	<30	83	140	223	0.10	Loamy	<30	86	160	246	0.09		
Feeders of Teganuma Lake	Ohorigawa River	Kitakashiwashi Bridge	Kashiwashi City	2013/1/18	Sunny	Loamy	<30	550	1,000	1,550	0.23	Loamy	<30	930	1,700	2,630	0.24		
		Otsugawa River	Samnobashi Bridge, under	Kamagayashi City	2013/1/21	Sunny	Loamy	<30	760	1,400	2,160	0.17	Loamy	<30	280	490	770	0.14	
	Someiritoshii	Kaminumabashi Bridge	Kashiwashi City	2013/1/18	Sunny	Loamy	<30	720	1,300	2,020	0.19	Sandy	<30	1,300	2,400	3,700	0.19		
		Someiritoshii	Kashiwashi City	2013/1/18	Sunny	Loamy/skeletal	<30	840	1,600	2,440	0.12	Loamy/skeletal	<30	570	1,000	1,570	0.12		
		Downstream of Karuzawasakabashi Bridge	Kamagayashi City/Usuishi City	2013/1/21	Sunny	Loamy/leaf mold	<30	1,300	2,400	3,700	0.14	Loamy	<30	700	1,300	2,000	0.13		
	Otsuishi	Nauchibashi Bridge	Usuishi City	2013/1/18	Sunny	Loamy/skeletal	<30	330	630	960	0.14	Loamy	<30	280	530	810	0.15		
		Kamenarigawa River	Kamenaribashi Bridge	Inzaishi City	2013/1/18	Sunny	Loamy/sandy/skeletal	<30	630	1,200	1,830	0.16	Loamy/sandy	<30	170	300	470	0.15	
	Feeders of Inbanuma Lake	Igasasuro Channel	Downstream of Igasasuro Channel	Kamagayashi City	2013/1/21	Sunny	Loamy	<30	460	800	1,260	0.12	Loamy	<30	290	500	790	0.12	
			Futaagawa River	Tomgayabashi Bridge	Funabashi City/Usuishi City	2013/1/21	Sunny	Loamy/skeletal	<30	240	440	680	0.14	Loamy/skeletal	<30	1,200	2,100	3,300	0.16
		Kanzakigawa River	Kanzakubashi Bridge	Yachiyoshi City/Inzaishi City	2013/1/29	Sunny	Loamy	<30	220	410	630	0.14	Loamy/clayish	<30	450	820	1,270	0.14	
Kannogawa River			Kannobashi Bridge	Yachiyoshi City	2013/1/29	Sunny	Loamy	<30	330	620	950	0.14	Loamy	<30	380	690	1,070	0.15	
Rivers of Inbanuma Lake		Yachiyo Channel (upper reaches)	Yachiyo Channel	Yachiyoshi City	2013/1/29	Sunny	Loamy/skeletal	<30	180	320	500	0.13	Loamy	<30	360	640	1,000	0.14	
			Tegarigawa River	Mumeibashi Bridge	Sakurashi City	2013/1/29	Sunny	Loamy	<30	110	210	320	0.13	Loamy	<30	230	400	630	0.14
		Morotogawa River	Morotobashi Bridge	Inzaishi City	2013/1/29	Sunny	Loamy	<30	66	140	206	0.12	Loamy	<30	530	970	1,500	0.13	
			Kashinagawa River	Iwatombashi Bridge	Sakurashi City	2013/1/28	Sunny	Loamy	<30	120	230	350	0.07	Loamy	<30	69	110	170	0.07
		Takasakigawa River	Iyutobashi Bridge	Sakurashi City	2013/1/28	Sunny	Loamy	<30	150	260	410	0.08	Loamy	<30	130	260	390	0.09	
			Kashinagawa River	Kashimabashi Bridge	Sakurashi City	2013/1/28	Sunny	Loamy/sandy	<30	82	160	242	0.07	Loamy	<30	70	130	200	0.08
	Inbasuro Channel	Kashimabashi Bridge	Inzaishi City	2013/1/25	Cloudy	Loamy/sandy	<30	270	480	750	0.14	Loamy/skeletal	<30	220	420	640	0.15		
		Toneunga Canal	Ungabashi Bridge	Nagareyamashi City	2013/1/23	Cloudy	Loamy	<30	370	640	1,010	0.19	Loamy	<30	510	950	1,460	0.18	
Edogawa River System	Edogawa River	Nagareyamabashi Bridge	Nagareyamashi City/Misatoshi City	2013/1/23	Cloudy	Loamy	<30	540	1,000	1,540	0.21	Loamy	<30	360	650	1,010	0.16	(Chiba Prefecture, Saitama Prefecture)	
		Bentenbashi Bridge	Matsudoshi City	2013/1/23	Cloudy	-	-	-	-	-	0.18	-	-	-	-	-	0.17	Soil not exposed	
	Shinsakagawa River	Sakanebashi Bridge	Matsudoshi City	2013/1/23	Cloudy	-	-	-	-	-	0.13	-	-	-	-	-	0.12	Soil not exposed	
		Shinkatsushikabashi Bridge	Matsudoshi City/Katsushika City	2013/1/23	Cloudy	Loamy	<30	390	650	1,040	0.18	Loamy	<30	300	520	820	0.18	(Chiba Prefecture, Tokyo Prefecture)	
	Edogawa River	Ichikawabashi Bridge	Ichikawashi City/Edogawa City	2013/1/24	Sunny	Loamy	<30	350	590	940	0.15	Loamy/skeletal	<30	260	470	730	0.21	(Chiba Prefecture, Tokyo Prefecture)	
		Vicinity of Keiyo Road	Ichikawashi City/Edogawa City	2013/1/24	Cloudy	Loamy	<30	320	620	940	0.16	Loamy	<30	300	550	850	0.14	(Chiba Prefecture, Tokyo Prefecture)	
		Gvotoku Movable Weir (upper reaches)	Ichikawashi City	2013/1/24	Cloudy	Loamy	<30	330	580	910	0.13	Loamy	<30	290	540	830	0.14		
		Shingyotokubashi Bridge	Ichikawashi City	2013/1/24	Sunny	Loamy	<30	71	130	201	0.09	Loamy/sandy	<30	27	38	65	0.07		
	Kyudogawa River	Edogawa Floodgate, down	Ichikawashi City/Edogawa City	2013/1/24	Sunny	Loamy	<30	320	600	920	0.16	Loamy	<30	180	330	510	0.12	(Chiba Prefecture, Tokyo Prefecture)	
		8km Point to the estuary	Urayasushi City/Edogawa City	2013/1/24	Sunny	Loamy	<30	260	460	720	0.15	Loamy	<30	370	680	1,050	0.14	(Chiba Prefecture, Tokyo Prefecture)	
		Imabashi Bridge	Urayasushi City/Edogawa City	2013/1/24	Sunny	-	-	-	-	-	-	Loamy	<30	220	410	630	0.15	(Chiba Prefecture, Tokyo Prefecture) Soil not exposed	
		Urayasubashi Bridge	Urayasushi City/Edogawa City	2013/1/24	Sunny	Loamy	<30	920	1,600	2,520	0.12	Loamy	<30	130	220	350	0.14	(Chiba Prefecture, Tokyo Prefecture)	
	Mamagawa River	Nemoto Floodgate	Ichikawashi City	2013/1/17	Sunny	Loamy	<30	240	420	660	0.12	-	-	-	-	-	0.08	Soil not exposed	
		Kokubugawa River	Suwadabashi Bridge	Ichikawashi City	2013/1/17	Sunny	-	-	-	-	0.11	-	-	-	-	-	0.14	Soil not exposed	
		Harukigawa River	Before the confluence with Kokubugawa River	Ichikawashi City	2013/1/17	Sunny	-	-	-	-	0.10	-	-	-	-	-	0.11	Soil not exposed	
		Hasen-okashiwagawa River	Downstream of Nakazawashinbashi Bridge	Kamagayashi City/Ichikawashi City	2013/1/21	Sunny	Loamy	<30	230	450	680	0.12	Loamy	<30	250	450	700	0.12	
	Okashiwagawa River	Sengenbashi Bridge	Ichikawashi City	2013/1/17	Sunny	-	-	-	-	-	0.07	-	-	-	-	-	0.05	Unable to collect samples due to construction. Soil not exposed	
		Mitomaebashi Bridge	Ichikawashi City	2013/1/17	Cloudy	Loamy	<30	160	290	450	0.09	Loamy	<30	140	270	410	0.10		
		Ehigawa River	Yachiyo Channel	Funabashi City	2013/1/17	Cloudy	Loamy	<30	290	550	840	0.09	Loamy	<30	350	620	970	0.08	
			Inba Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2013/1/17	Cloudy	Loamy/sandy	<30	140	240	380	0.10	Loamy	<30	190	320	510	0.09
Arakawa River System	Miyakogawa River	Miyakubashi Bridge	Chibashi City	2013/1/15	Cloudy	Loamy/sandy	<30	39	83	122	0.07	Loamy	<30	380	670	1,050	0.10		
		Onarihashi Bridge	Konosushi City	2013/1/21	Sunny	Loamy	<30	31	48	79	0.07	Loamy	<30	96	150	246	0.07	(Saitama Prefecture)	
	Arakawa River Lower Reaches	Sasamehashi Bridge	Todashi City/Wakoshi City/Ibashi City	2013/1/21	Sunny	Loamy	<30	110	200	310	0.06	Loamy	<30	73	130	203	0.07	(Saitama Prefecture, Tokyo Prefecture)	
		Arakawa River Lower Reaches	Kasabashi Bridge	Koto City/Edogawa City	2013/1/24	Sunny	Loamy/leaf mold	<30	670	1,200	1,870	0.11	Loamy	<30	130	240	370	0.10	(Tokyo Prefecture)
	Sumidagawa River	Ryogokubashi Bridge	Chuo City/Sumida City	2013/1/24	Sunny	-	-	-	-	-	0.06	-	-	-	-	-	0.09	(Tokyo Prefecture) Soil not exposed	

*Samples for surrounding environment (soil) were generally collected from 5 points in 3m square in the river terrace, etc., and mixed. Depending on the site situation, factors, such as the area of sampling may be much smaller, may cause figures to vary significantly.

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

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

OLake and Headwater: Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Full depth m	General items					Concentration of radioactive material Bq/L			Remarks		
No.	Point						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	Teganuma Lake	Fusashita	Surface layer	2012/12/17	Cloudy	2.3	0.5	0.4	38	31	19	<1	<1	<1			
			Lower layer				1.3		40	32	20	<1	<1	<1			
		Shimoteganuma Chuo	Surface layer	2013/2/18	Rain	2.2	0.5	0.4	38	35	29	<1	<1	<1			
			Lower layer				1.2		38	37	30	<1	<1	<1			
			Surface layer	2012/12/17	Cloudy	1.3	0.5	0.4	33	34	18	<1	<1	<1	Collected only from the surface layer due to shallow water		
			Lower layer				-		-	-	-	-	-	-	-		
Teganuma Chuo	Surface layer	2013/2/18	Rain	1.4	0.5	0.4	34	26	15	<1	<1	<1	Collected only from the surface layer due to shallow water				
	Lower layer				-		-	-	-	-	-	-	-	-			
3	Teganuma Chuo	Surface layer	2012/12/17	Cloudy	1.3	0.5	0.4	38	28	20	<1	<1	<1	Collected only from the surface layer due to shallow water			
		Lower layer				-		-	-	-	-	-	-	-	-		
		Surface layer	2013/2/18	Rain	1.3	0.5	0.4	37	37	31	<1	<1	<1	Collected only from the surface layer due to shallow water			
		Lower layer				-		-	-	-	-	-	-	-	-		
4	Coastal area of Keiyo Port (E)	Surface layer	2012/12/17	Cloudy	1.9	0.5	0.7	35	13	7	<1	<1	<1				
		Lower layer				0.9		37	13	8	<1	<1	<1				
		Lower layer	Surface layer	2013/2/18	Rain	1.9	0.5	0.8	33	9	7	<1	<1	<1			
			Lower layer				0.9		34	10	8	<1	<1	<1			
			5	Kita Inbanuma Chuo	Surface layer	2012/12/17	Cloudy	1.4	0.5	0.6	34	14	12	<1	<1	<1	
					Lower layer				-		-	-	-	-	-	-	-
Ipponmatsushita	Surface layer	2013/2/18			Cloudy	1.4	0.5	0.4	32	52	33	<1	<1	<1			
	Lower layer						-		-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
	Lower area of Josuido water intake	Surface layer			2012/12/17	Cloudy	1.4	0.5	0.6	31	12	10	<1	<1	<1		
		Lower layer						-		-	-	-	-	-	-	-	-
7	Lower area of Josuido water intake	Surface layer	2013/2/18	Rain	1.4	0.5	0.5	34	23	19	<1	<1	<1	Collected only from the surface layer due to shallow water			
		Lower layer				-		-	-	-	-	-	-	-	-		
		Asobashi Bridge	Surface layer	2012/12/17	Cloudy	1.7	0.5	0.6	38	16	12	<1	<1	<1			
			Lower layer				0.7		40	16	11	<1	<1	<1			
8	Asobashi Bridge	Surface layer	2013/2/18	Rain	1.7	0.5	0.7	36	12	9	<1	<1	<1				
		Lower layer				0.7		36	13	9	<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						General items			Concentration of radioactive material Bq/kg (dried mud)				Property	Soil			
				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137 Total		Radioactive iodine I-131	Concentration of radioactive material Bq/kg (dry) Cs-134 Cs-137 Total			Air dose μSv/h			
1	Teganuma Lake	Fusashita	2012/12/17	Cloudy	2.3	5	65	Mud	<30	320	580	900	-	-	-	-	-	
			2013/2/18	Rain	2.2	4	59	Silt	<30	310	570	880	-	-	-	-	-	
		Shimoteganuma Chuo	2012/12/17	Cloudy	1.3	10	58	Mud	<30	170	320	490	Loamy	<30	420	730	1,150	0.14
			2013/2/18	Rain	1.4	4	43	Silt	<30	320	580	900	Loamy/sandy	<30	200	370	570	0.15
			2012/12/17	Cloudy	1.3	3	31	Mud	<30	580	1,000	1,580	-	-	-	-	-	
			2013/2/18	Rain	1.3	7	32	Silt	<30	540	1,000	1,540	-	-	-	-	-	
Nedoshita	2012/12/17	Cloudy	1.9	7	38	Mud	<35	2,700	4,900	7,600	Loamy	<30	620	1,100	1,720	0.22		
	2013/2/18	Rain	1.9	7	37	Silt	<36	2,800	5,400	8,200	Loamy	<30	370	680	1,050	0.22		
5	Kita Inbanuma Chuo	2012/12/17	Cloudy	1.4	10	33	Mud	<30	180	280	460	Loamy	<30	260	470	730	0.18	
		2013/2/18	Cloudy	1.4	8	33	Silt	<30	210	350	560	Loamy	<30	350	660	1,010	0.22	
		2012/12/17	Cloudy	1.4	5	32	Mud	<30	290	450	740	-	-	-	-	-		
		2013/2/18	Rain	1.4	8	32	Silt	<30	260	470	730	-	-	-	-	-		
		2012/12/17	Cloudy	1.4	10	36	Mud	<30	340	570	910	-	-	-	-	-		
		2013/2/18	Rain	1.4	8	36	Silt	<30	300	580	880	-	-	-	-	-		
7	Lower area of Josuido water intake	2012/12/17	Cloudy	1.7	2	71	Sand	<30	380	700	1,080	Loamy	<30	110	230	340	0.10	
		2013/2/18	Rain	1.7	5	73	Silt	<30	340	630	970	Loamy	<30	140	240	380	0.13	

*Samples for surrounding environment (lake shore) were generally collected from 5 points in 3m square on the lake shore, etc., and mixed. Depending on the site situation, factors, such as the area of sampling may be much smaller, may cause figures to vary significantly.

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

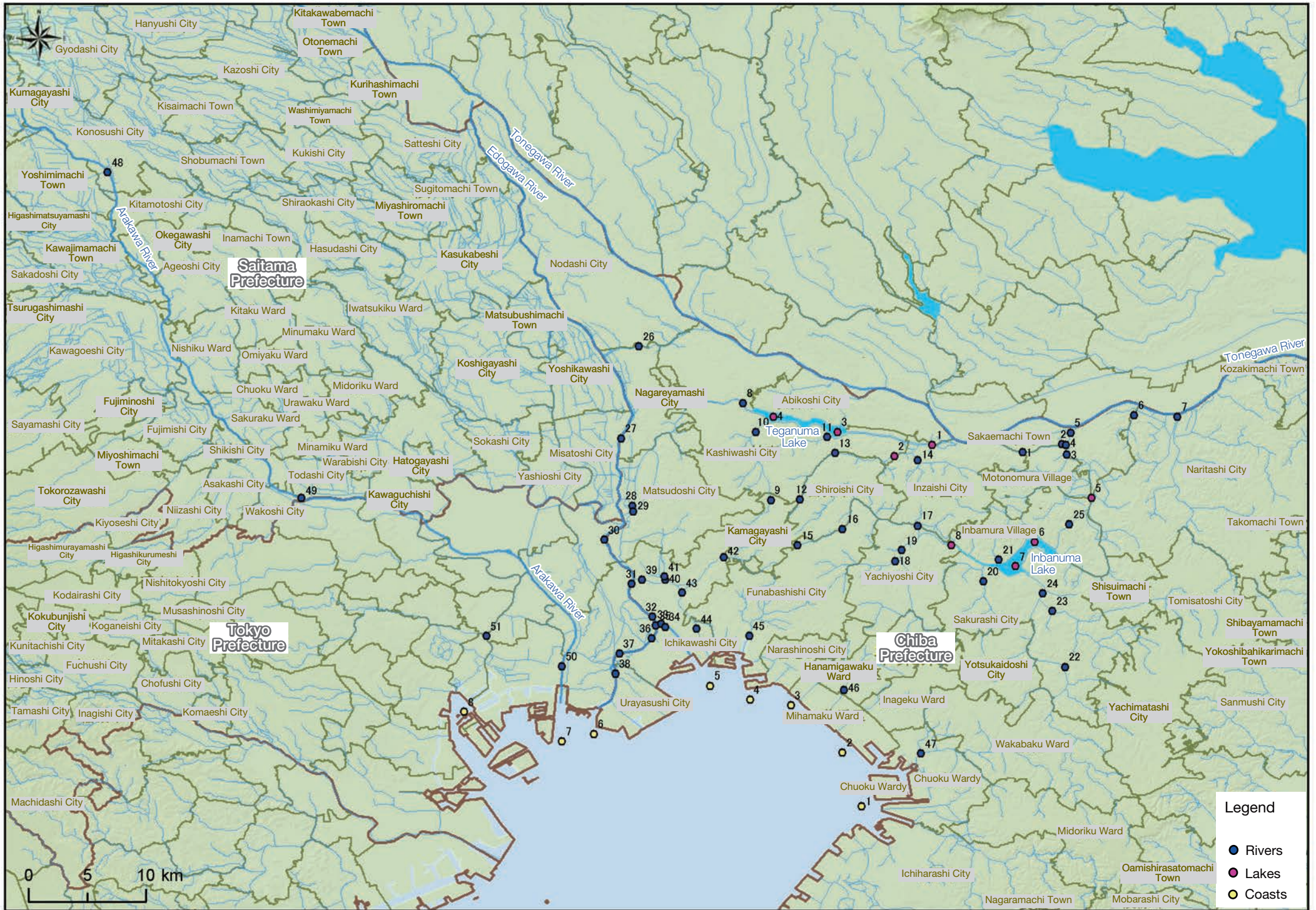
*Sampling points are listed from north to south.

○Coast: 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	Tokyowan Bay 7	Offshore of Yorogawa River Estuary	Surface layer	2012/12/3	Cloudy	9.3	0.5	4.0	34	4	1	<1	<1	<1
			Lower layer				8.3		34			4	<1	<1
			Surface layer	2013/2/20	Sunny	9.3	0.5	2.3	32	3	2	<1	<1	<1
Lower layer	8.3	32	2				<1		<1			<1		
2	Tokyowan Bay 5	Offshore of Miyakogawa River Estuary	Surface layer	2012/12/4	Cloudy	9.5	0.5	4.8	34	4	1	<1	<1	<1
			Lower layer				8.5		34			3	<1	<1
			Surface layer	2013/2/20	Cloudy	9.0	0.5	2.5	30	9	3	<1	<1	<1
Lower layer	8.0	32	8				<1		<1			<1		
3	Coastal sea area of Makuhari	Offshore of Inbanuma Discharge Channel	Surface layer	2012/12/4	Cloudy	5.0	0.5	4.8	33	3	1	<1	<1	<1
			Lower layer				4.0		34			4	<1	<1
			Surface layer	2013/2/20	Cloudy	4.0	0.5	2.5	31	8	3	<1	<1	<1
Lower layer	3.0	32	8				<1		<1			<1		
4	Approx. 1 km offshore of Ebogawa River Estuary	Coastal area of Keiyo Port (Ebogawa River Estuary)	Surface layer	2012/12/4	Cloudy	7.5	0.5	4.0	33	3	1	<1	<1	<1
			Lower layer				6.5		33			4	<1	<1
			Surface layer	2013/2/20	Sunny	6.9	0.5	2.6	32	7	3	<1	<1	<1
Lower layer	5.9	32	7				<1		<1			<1		
5	Approx. 1 km offshore of Edogawa River Estuary	Coastal area of Keiyo Port (Edogawa River Estuary)	Surface layer	2012/12/4	Cloudy	3.4	0.5	3.4	33	4	1	<1	<1	<1
			Lower layer				2.4		33			3	<1	<1
			Surface layer	2013/2/20	Sunny	2.6	0.5	2.2	31	7	4	<1	<1	<1
Lower layer	1.6	32	8				<1		<1			<1		
6	Approx. 1 km offshore of Kyuedogawa River Estuary	Offshore of Kyuedogawa River Estuary	Surface layer	2012/12/13	Sunny	8.2	0.5	2.2	28	7	2	<1	<1	<1
			Lower layer				7.2		27			5	<1	<1
			Surface layer	2013/2/18	Rain	10.7	0.5	2.7	30	7	3	<1	<1	<1
Lower layer	9.7	32	9				<1		<1			<1		
7	St-8	Offshore of Arakawa River/Kyuedogawa River Estuaries	Surface layer	2012/12/13	Sunny	5.3	0.5	1.8	35	17	9	<1	<1	<1
			Lower layer				4.3		36			15	<1	<1
			Surface layer	2013/2/18	Rain	5.9	0.5	2.3	25	7	4	<1	<1	<1
Lower layer	4.9	30	8				<1		<1			<1		
8	Southwestern area of Toyosu Wharf	Offshore of Sumidagawa River Estuary	Surface layer	2012/12/13	Sunny	10.7	0.5	2.8	33	4	1	<1	<1	<1
			Lower layer				9.7		35			5	<1	<1
			Surface layer	2013/2/18	Rain	10.7	0.5	2.7	29	8	4	<1	<1	<1
Lower layer	9.7	31	8				<1		<1			<1		

○Coast: 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				Mud sampling depth cm	Mud content %	Property	Radioactive iodine I-131	Cs-134	Radioactive cesium Cs-137			Total
1	Tokyowan Bay 7	Offshore of Yorogawa River Estuary	2012/12/3	Cloudy	9.3	5	48	Silt	<30	<10	15	15	(Chiba Prefecture)
			2013/2/20	Sunny	9.3	15	43	Sludge	<30	10	11	21	
2	Tokyowan Bay 5	Offshore of Miyakogawa River Estuary	2012/12/4	Cloudy	9.5	5	50	Silt	<30	18	41	59	(Chiba Prefecture)
			2013/2/20	Cloudy	9.0	15	49	Sludge	<30	12	21	33	
3	Coastal sea area of Makuhari	Offshore of Inbanuma Discharge Channel	2012/12/4	Cloudy	5.0	5	73	Silt	<30	12	15	27	(Chiba Prefecture)
			2013/2/20	Cloudy	4.0	15	70	Sludge	<30	11	15	26	
4	Approx. 1 km offshore of Ebogawa River Estuary	Coastal area of Keiyo Port (Ebogawa River Estuary)	2012/12/4	Cloudy	7.5	5	76	Silt	<30	<10	<10	-	(Chiba Prefecture)
			2013/2/20	Sunny	6.9	3	68	Sludge	<30	<10	<10	-	
5	Approx. 1 km offshore of Edogawa River Estuary	Coastal area of Keiyo Port (Edogawa River Estuary)	2012/12/4	Cloudy	3.4	5	80	Sand	<30	<10	<10	-	(Chiba Prefecture)
			2013/2/20	Sunny	2.6	3	70	Sand/silt	<30	<10	<10	-	
6	Approx. 1 km offshore of Kyuedogawa River Estuary	Offshore of Kyuedogawa River Estuary	2012/12/13	Sunny	8.2	7	47	Silt	<30	280	500	780	(Tokyo Prefecture)
			2013/2/18	Rain	10.7	10	42	Silt	<30	240	470	710	
7	St-8	Offshore of Arakawa River/Kyuedogawa River Estuaries	2012/12/13	Sunny	5.3	3	51	Silt	<30	110	210	320	(Chiba/Tokyo Prefectures)
			2013/2/18	Rain	5.9	8	54	Silt	<30	150	260	410	
8	Southwestern area of Toyosu Wharf	Offshore of Sumidagawa River Estuary	2012/12/13	Sunny	10.7	11	40	Silt/sludge	<30	20	29	49	(Tokyo Prefecture)
			2013/2/18	Rain	10.7	3	40	Silt	<30	41	85	126	



Legend

- Rivers
- Lakes
- Coasts