

(Announcement)
The Results of Radioactive Material Monitoring of the Surface Water Bodies
within Tokyo, Saitama, and Chiba Prefectures
(January-February Samples)

1. Survey Overview

(1) Survey Period

January 7-February 13, 2014

(2) 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)

(3) Survey Method

- Measurement of concentrations of radioactive materials (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 (October-November 2013))

(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 of rivers and lakes/headwaters were around 1,000Bq/kg or below at most locations, and they generally have declined or remained constant. The levels of coasts were 500Bq/kg or below at most locations, and generally have remained constant or had a declining tendency.

(Rivers)

Cs-134 + Cs-137: ND-3,900Bq/kg (dried mud) (*ND-5,400Bq/kg (dried mud))

(Lakes)

Cs-134 + Cs-137: 202-5,700Bq/kg (dried mud) (*266-4,400Bq/kg (dried mud))

(Coasts)

Cs-134 + Cs-137: ND-780Bq/kg (dried mud) (*ND-580Bq/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	30 (32)	11 (9)	5 (5)	3 (4)	0 (1)	1 (2)	1 (2)	51 (55)
Lakes and headwaters	2 (1)	4 (5)	0 (1)	1 (0)	0 (0)	0 (0)	1 (1)	8 (8)
Coasts	7 (10)	1 (1)	-	-	-	-	-	8 (11)

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

(Rivers)

Cs-134 + Cs-137: 37-3,500Bq/kg (dry) (*53-4,100Bq/kg (dry))

Spatial dose: 0.05-0.22 μ Sv/h

(Lakes)

Cs-134 + Cs-137: 600-2,090Bq/kg (dry) (*690-6,100Bq/kg (dry))

Spatial dose: 0.08-0.15 μ Sv/h

(Annex for details)

(Map attached)

3. Future Plans

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

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ORiver: Water Quality Monitoring Results

(Annex)

No.	Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks			
	Water body	Point	Municipality				Sampling depth (m)	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium					
												Cs-134	Cs-137				
1	Tone River System	Shogengawa River	Fukamaohashi Bridge	2014/1/7	Sunny	1.9	0.0	41	34	8	9	<1	<1				
2			Shinbeibashi Bridge	2014/1/7	Sunny	1.4	0.0	26	32	12	9	<1	<1				
3		Nagatogawa River	Intake at Maeshinden Water Purification Plant	2014/1/7	Cloudy	0.4	0.0	46	32	9	8	<1	<1				
4			Nagatobashi Bridge	2014/1/7	Sunny	0.2	0.0	29	33	11	9	<1	<1				
5			Fujimibashi Bridge	2014/1/7	Sunny	1.0	0.0	43	26	8	6	<1	<1				
6		Ryudagawa River	Ryumatsunohashi Bridge	Naritashi City/Sakaemachi Town	2014/1/8	Slightly cloudy	0.1	0.0	44	148	16	11	<1	<1			
7		Nekonagawa River	Shinkawa Floodgate	Naritashi City	2014/1/8	Sunny	0.4	0.0	54	26	3	6	<1	<1			
8	Feeder rivers of Teganuma Lake	Ohorigawa River	Kitakashiwabashi Bridge	2014/1/15	Cloudy	0.4	0.0	58	34	10	6	<1	<1				
9			Otsugawa River	Sannobashi Bridge, under	2014/1/16	Sunny	0.2	0.0	>100	45	4	2	<1	<1			
10		Kaminumabashi Bridge		2014/1/15	Cloudy	0.2	0.0	>100	56	5	2	<1	<1				
11		Someiriotoshi	Someishinbashi Bridge	Kashiwashi City	2014/1/15	Cloudy	0.3	0.0	>100	50	2	2	<1	<1			
12		Kanayamaotoshi	Downstream of Karuizawasakaibashi Bridge	Kamagayashi City/Shiroishi City	2014/1/16	Sunny	0.1	0.0	>100	44	2	2	<1	<1			
13			Nauchibashi Bridge	2014/1/15	Cloudy	0.4	0.0	>100	37	3	1	<1	<1				
14		Kamenarigawa River	Kamenaribashi Bridge	Inzaishi City	2014/1/15	Cloudy	0.6	0.0	>100	37	2	1	<1	<1			
15	Fenbana River System	Igusasu Channel	Downstream of Igusasu Channel	Kamagayashi City/Ichikawashi City	2014/1/16	Sunny	0.1	0.0	63	52	4	5	<1	<1			
16		Futaegawa River	Tomigayabashi Bridge	Funabashishi City/Shiroishi City	2014/1/16	Sunny	0.2	0.0	>100	44	1	1	<1	<1			
17		Kanzakigawa River	Kanzakibashi Bridge	Yachiyoshi City/Inzaishi City	2014/1/17	Sunny	1.6	0.0	46	36	12	6	<1	<1			
18		Kannogawa River	Kannobashi Bridge	Yachiyoshi City	2014/1/17	Sunny	0.7	0.0	73	47	6	4	<1	<1			
19		Inba Discharge Channel (upper reaches)	Yachiyobashi Bridge		2014/1/17	Sunny	2.9	0.0	24	36	20	15	<1	<1			
20		Tegurigawa River	Mumeibashi Bridge	Sakurashi City	2014/1/17	Cloudy	0.5	0.0	>100	38	2	1	<1	<1			
21		Morotogawa River	Morotobashi Bridge	Inzaishi City	2014/1/17	Sunny	1.0	0.0	>100	28	2	1	<1	<1			
22		Lakes of	Kashimagawa River	Iwatombashi Bridge	2014/1/8	Cloudy	0.4	0.0	77	30	3	1	<1	<1			
23				Takasakigawa River	Ryutobashi Bridge	Sakurashi City	2014/2/3	Cloudy	0.7	0.0	80	38	5	3	<1	<1	
24				Kashimagawa River	Kashimabashi Bridge	2014/2/3	Cloudy	2.6	0.0	77	33	4	3	<1	<1		
25	Inbasu Channel	Tsurumakibashi Bridge	Inzaishi City	2014/1/8	Sunny	2.5	0.0	28	31	21	15	<1	<1				
26	Edogawa River System	Toneunga Canal	Ungabashi Bridge	Nagareyamashi City/Nodashi City	2014/1/27	Sunny	0.2	0.0	49	50	8	11	<1	<1			
27			Edogawa River	Nagareyamabashi Bridge	Nagareyamashi City/Misatoshi City	2014/1/27	Sunny	0.2	0.0	90	29	6	4	<1	<1		
28		Sakagawa River	Bentenbashi Bridge	Matsudoshi City	2014/1/27	Sunny	2.3	0.0	66	33	8	6	<1	<1			
29			Shinsakagawa River		Sakanebashi Bridge	2014/1/27	Sunny	0.8	0.0	82	38	4	4	<1	<1		
30		Edogawa River	Ichikawashi City	Shinkatsushikabashi Bridge	Matsudoshi City/Katsushika City	2014/1/28	Sunny	0.2	0.0	93	30	7	5	<1	<1		
31				Ichikawabashi Bridge	2014/1/28	Sunny	0.5	0.0	52	41	8	6	<1	<1			
32				Vicinity of Keiyo Road	2014/1/29	Sunny	3.6	0.0	38	30	13	9	<1	<1			
33				Gyotoku Movable Weir (upper reaches)	2014/1/29	Sunny	3.0	0.0	38	32	18	14	<1	<1			
34		Kyuedogawa River	Ichikawashi City/Edogawa City	Shingyotokubashi Bridge	2014/1/28	Sunny	0.2	0.0	75	4,300	11	6	<1	<1			
35				Edogawa Floodgate, down	2014/1/29	Sunny	5.3	0.0	48	1,203	8	6	<1	<1			
36				8 km Point to the estuary	2014/1/29	Sunny	4.6	0.0	55	1,025	8	5	<1	<1			
37				Imabashi Bridge	2014/1/29	Sunny	4.5	0.0	55	1,376	7	4	<1	<1			
38		Systm	Mamagawa River	Urayasubashi Bridge	Urayasushi City/Edogawa City	2014/1/31	Sunny	1.4	0.0	53	1,501	11	6	<1	<1		
39				Nemoto Floodgate	2014/1/28	Sunny	1.1	0.0	57	29	9	6	<1	<1			
40			Kokubugawa River	Suwadabashi Bridge	Ichikawashi City	2014/1/28	Sunny	1.0	0.0	44	52	14	6	<1	<1		
41				Harukigawa River		Before the confluence with Kokubugawa River	2014/1/28	Sunny	0.7	0.0	71	78	6	5	<1	<1	
42			Hasen-okashiwagawa River	Downstream of Nakazawashinbashi Bridge	Kamagayashi City/Ichikawashi City	2014/1/10	Sunny	0.5	0.0	70	48	7	4	<1	<1		
43			Okashiwagawa River	Sengenbashi Bridge	Ichikawashi City	2014/1/27	Sunny	1.8	0.0	59	64	4	4	<1	<1		
44			Mamagawa River	Mitomaebashi Bridge		2014/1/10	Sunny	3.4	0.0	88	182	5	3	<1	<1		
45			Ebigawa River	Yachiyobashi Bridge	Funabashishi City	2014/1/10	Sunny	2.2	0.0	65	903	5	5	<1	<1		
46	Inba Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2014/1/10	Cloudy	3.6	0.0	54	725	10	6	<1	<1				
47	Miyakogawa River	Miyakobashi Bridge		2014/1/9	Cloudy	3.3	0.0	28	395	5	7	<1	<1				
48	Arakawa River System	Arakawa River Middle Reaches	Onarihashi Bridge	Konosushi City	2014/1/30	Cloudy	1.8	0.0	>100	25	5	2	<1	<1			
49			Sasamehashi Bridge	Todashi City/Wakoshi City/Itabashi City	2014/1/30	Cloudy	0.5	0.0	54	429	6	4	<1	<1			
50		Arakawa River Lower Reaches	Kasaibashi Bridge	Koto City/Edogawa City	2014/1/31	Sunny	1.6	0.0	30	2,840	29	10	<1	<1			
51	Sumidagawa River	Ryogokubashi Bridge	Chuo City/Sumida City	2014/1/31	Sunny	2.2	0.0	62	2,460	7	3	<1	<1				

* Sampling points are listed from north to south.
 * Radioactive materials concentrations contain some measurement errors but are not noted here.

ORiver: 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 cesium				
										Cs-134	Cs-137	Total		
1	Systegawa River	Shogengawa River	Fukamaohashi Bridge	Inzaishi City/Sakaemachi Town	2014/1/7	Sunny	1.9	6	35	Silt	510	1,300	1,810	
2		Shinbeibashi Bridge			2014/1/7	Sunny	0.1	3	78	Sand	17	38	55	
3		Intake at Maeshinden Water Purification Plant			2014/1/7	Cloudy	0.3	5	38	Silt	100	320	420	
4		Nagatogawa River	Nagatobashi Bridge		2014/1/7	Sunny	0.2	5	56	Sand/silt	130	290	420	
5		Fujimbashi Bridge	Sakaemachi Town		2014/1/7	Sunny	1.0	5	50	Silt	110	260	370	
6		Ryudaigawa River	Ryumatsunohashi Bridge	Naritashi City/Sakaemachi Town	2014/1/8	Slightly cloudy	0.1	3	78	Sand/gravel	14	31	45	
7		Nekonogawa River	Shinkawa Floodgate	Naritashi City	2014/1/8	Sunny	1.7	4	31	Silt	250	660	910	
8	Feeder rivers of Teganuma Lake	Ohorigawa River	Kitakashiwabashi Bridge	Kashiwashi City	2014/1/15	Cloudy	0.4	5	69	Sand/silt	790	1,900	2,690	
9		Otsugawa River	Sannobashi Bridge, under	Kamagayashi City	2014/1/16	Sunny	0.2	4	66	Sand/gravel	220	600	820	
10		Kaminumabashi Bridge		2014/1/15	Cloudy	0.2	5	62	Sand	570	1,400	1,970		
11		Someiriotoshi	Someishinbashi Bridge	Kashiwashi City	2014/1/15	Cloudy	0.3	3	66	Sand	350	840	1,190	
12		Kanayamaotoshi	Downstream of Karuzawasakaibashi Bridge	Kamagayashi City/Shiroishi City	2014/1/16	Sunny	1.0	2	80	Gravel/sand	120	340	460	
13		Nauchibashi Bridge	Shiroishi City	2014/1/15	Cloudy	0.4	6	80	Sand/gravel	220	490	710		
14		Kamenarigawa River	Kamenaribashi Bridge	Inzaishi City	2014/1/15	Cloudy	0.6	4	75	Sand	52	170	222	
15	Feeder rivers of Teganuma Lake	Igasuuro Channel	Downstream of Igasuuro Channel	Kamagayashi City/Ichikawashi City	2014/1/16	Sunny	0.1	2	84	Gravel/sand	260	710	970	
16		Futaegawa River	Tomigayabashi Bridge	Funabashishi City/Shiroishi City	2014/1/16	Sunny	0.2	5	76	Sand	200	560	760	
17		Kanzakigawa River	Kanzakibashi Bridge	Yachiyoshi City/Inzaishi City	2014/1/17	Sunny	1.6	3	69	Sand/silt	190	480	670	
18		Kannogawa River	Kannobashi Bridge	Yachiyoshi City	2014/1/17	Sunny	0.7	7	41	Silt	21	37	58	
19		Inba Discharge Channel (upper reaches)	Yachiyobashi Bridge		2014/1/17	Sunny	2.9	4	45	Silt/sand	320	760	1,080	
20		Tegurigawa River	Mumeibashi Bridge	Sakurashi City	2014/1/17	Cloudy	0.5	5	73	Sand	390	1,000	1,390	
21		Morotogawa River	Morotobashi Bridge	Inzaishi City	2014/1/17	Sunny	1.0	4	43	Silt/sand	290	720	1,010	
22	Lakes of Ebisawa	Kashimagawa River	Iwatombashi Bridge		2014/1/8	Cloudy	0.4	3	77	Sand	44	110	154	
23		Takasakigawa River	Ryutobashi Bridge	Sakurashi City	2014/2/3	Cloudy	0.7	3	77	Sand	44	110	154	
24		Kashimagawa River	Kashimabashi Bridge		2014/2/3	Cloudy	2.6	3	36	Silt/clay	<10	<10	-	
25	Inbasuuro Channel	Tsurumakibashi Bridge	Inzaishi City	2014/1/8	Sunny	2.5	2	64	Sand	39	110	149		
26	Edogawa River	Toneunga Canal	Ungabashi Bridge	Nagareyamashi City/Nodashi City	2014/1/27	Sunny	0.2	4	67	Sand/silt	340	900	1,240	
27		Edogawa River	Nagareyamabashi Bridge	Nagareyamashi City/Misatoshi City	2014/1/27	Sunny	0.2	6	52	Sand/silt	82	200	282	
28		Sakagawa River	Bentenbashi Bridge	Matsudoshi City	2014/1/27	Sunny	2.3	4	48	Silt/sand	1,100	2,800	3,900	
29		Shinsakagawa River	Sakanebashi Bridge		2014/1/27	Sunny	0.8	3	72	Sand/gravel	480	1,200	1,680	
30			Shinkatsushikabashi Bridge	Matsudoshi City/Katsushika City	2014/1/28	Sunny	0.2	6	37	Silt	260	660	920	
31			Ichikawabashi Bridge	Ichikawashi City/Edogawa City	2014/1/28	Sunny	0.5	5	74	Sand/gravel	77	210	287	
32			Vicinity of Keiyo Road		2014/1/29	Sunny	3.6	5	65	Sand	44	120	164	
33			Gyotoku Movable Weir (upper reaches)	Ichikawashi City	2014/1/29	Sunny	3.0	3	62	Silt/sand	90	240	330	
34			Shingyotokubashi Bridge		2014/1/28	Sunny	0.2	4	78	Sand	<10	12	12	
35			Edogawa Floodgate, down		2014/1/29	Sunny	5.3	2	73	Sand	15	55	70	
36			8 km Point to the estuary	Ichikawashi City/Edogawa City	2014/1/29	Sunny	4.6	3	70	Sand/clay	15	50	65	
37			Imabashi Bridge		2014/1/29	Sunny	4.5	3	38	Sand/silt	83	240	323	
38			Urayasubashi Bridge	Urayasushi City/Edogawa City	2014/1/31	Sunny	1.4	5	35	Silt	280	660	940	
39			Mamagawa River	Nemoto Floodgate		2014/1/28	Sunny	1.1	2	79	Sand/gravel	85	210	295
40		Kokubugawa River	Suwadabashi Bridge	Ichikawashi City	2014/1/28	Sunny	1.0	5	64	Sand	210	560	770	
41		Harukigawa River	Before the confluence with Kokubugawa River		2014/1/28	Sunny	0.7	3	71	Sand	89	220	309	
42		Hasen-okashiwagawa River	Downstream of Nakazawashinbashi Bridge	Kamagayashi City/Ichikawashi City	2014/1/10	Sunny	0.5	3	34	Sand/silt	140	420	560	
43		Okashiwagawa River	Sengenbashi Bridge	Ichikawashi City	2014/1/27	Sunny	1.8	3	78	Sand	41	100	141	
44		Mamagawa River	Mitomaebashi Bridge		2014/1/10	Sunny	3.4	4	40	Silt	10	24	34	
45	Ebigawa River	Yachiyobashi Bridge	Funabashishi City	2014/1/10	Sunny	2.2	2	55	Silt	180	460	640		
46	Inba Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2014/1/10	Cloudy	3.6	2	71	Sand	62	170	232		
47	Miyakogawa River	Miyakobashi Bridge		2014/1/9	Cloudy	3.3	3	60	Sand	140	360	500		
48	Arakawa River System	Arakawa River Middle Reaches	Onaribashi Bridge	Konosushi City	2014/1/30	Cloudy	1.8	4	71	Sand	<10	19	19	
49		Arakawa River Lower Reaches	Sasamehashi Bridge	Todashi City/Wakoshi City/Itabashi City	2014/1/30	Cloudy	0.5	1	55	Silt/sand	10	26	36	
50			Kasaibashi Bridge	Koto City/Edogawa City	2014/1/31	Sunny	1.6	7	33	Silt	130	320	450	
51			Sumidagawa River	Ryogokubashi Bridge	Chuo City/Sumida City	2014/1/31	Sunny	2.2	5	50	Silt	68	210	278

• Sampling points are listed from north to south.
 • Radioactive materials concentrations contain some measurement errors but are not noted here.

OLake and Headwater: Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Point					Sampling depth (m)	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium		
											Cs-134	Cs-137	
1	Tegashita	Surface layer	2014/1/14	Sunny	1.9	0.5	0.5	35	37	30	<1	<1	
		Lower layer				0.9					41	37	29
2	Shimoteganuma Chuo	Surface layer	2014/1/14	Sunny	1.5	0.5	0.6	34	27	18	<1	<1	
		Lower layer				-					-	-	-
3	Teganuma Chuo	Surface layer	2014/1/14	Sunny	1.4	0.5	0.4	35	32	34	<1	<1	
		Lower layer				-					-	-	-
4	Nedoshita	Surface layer	2014/1/14	Sunny	1.9	0.5	0.8	30	21	14	<1	<1	
		Lower layer				0.9					31	21	13
5	Kita Inbanuma Chuo	Surface layer	2014/1/14	Sunny	1.3	0.5	0.5	31	20	11	<1	<1	
		Lower layer				-					-	-	-
6	Ipponmatsushita	Surface layer	2014/1/14	Sunny	1.3	0.5	0.4	27	42	25	<1	<1	
		Lower layer				-					-	-	-
7	Lower area of Josuido water intake	Surface layer	2014/1/14	Sunny	1.2	0.5	0.5	29	40	25	<1	<1	
		Lower layer				-					-	-	-
8	Asobashi Bridge	Surface layer	2014/1/14	Sunny	1.4	0.5	0.7	30	20	11	<1	<1	
		Lower layer				-					-	-	-

• Sampling points are listed from north to south.

• Radioactive materials concentrations contain some measurement errors but are not noted here.

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 cesium				Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)		
			Cs-134	Cs-137	Total				Cs-134	Cs-137	Total							
1	Teganuma Lake	Fusashita	2014/1/14	Sunny	1.9	4	58	Silt/sand	200	530	730	-	-	-	-	-	-	Mud sampling points not determined
2		Shimoteganuma Chuo	2014/1/14	Sunny	1.5	8	36	Silt	190	570	760	Loamy	490	1,200	1,690	0.10	-	
3		Teganuma Chuo	2014/1/14	Sunny	1.4	7	22	Silt	450	1,100	1,550	-	-	-	-	-	-	Mud sampling points not determined
4		Nedoshita	2014/1/14	Sunny	1.9	7	29	Silt	1,700	4,000	5,700	Loamy	590	1,500	2,090	0.15	-	
5		Kita Inbanuma Chuo	2014/1/14	Sunny	1.3	6	22	Silt	110	390	500	Loamy	280	680	960	0.11	-	
6	Inbanuma Lake	Ipponmatsushita	2014/1/14	Sunny	1.3	6	22	Silt	160	410	570	-	-	-	-	-	-	Mud sampling points not determined
7		Lower area of Josuido water intake	2014/1/14	Sunny	1.2	4	27	Silt	240	560	800	-	-	-	-	-	-	Mud sampling points not determined
8		Asobashi Bridge	2014/1/14	Sunny	1.4	1	53	Sand/silt	52	150	202	Loamy	170	430	600	0.08	-	

• 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.

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

• Air dose was measured with a survey meter, TCS-172B of Hitachi-Aloka Medical, Ltd.

• Radioactive materials concentrations contain some measurement errors but are not noted here.

○Coast: Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks
No.	Water body					Sampling depth (m)	Secchi disk depth (m)	Salinity (%)	SS (mg/L)	Turbidity	Radioactive cesium		
											Cs-134	Cs-137	
1	Tokyowan Bay 7	Offshore of Yorogawa River Estuary	2014/1/9	Cloudy	9.7	0.5	2.0	28	5	3	<1	<1	
		Lower layer				8.7					28	5	3
2	Tokyowan Bay 5	Offshore of Miyakogawa River Estuary	2014/1/9	Cloudy	9.3	0.5	2.0	28	6	3	<1	<1	
		Lower layer				8.3					28	6	3
3	Coastal sea area of Makuhari	Offshore of Inbanuma Discharge Channel	2014/1/9	Cloudy	5.5	0.5	2.0	26	6	4	<1	<1	
		Lower layer				4.5					28	10	4
4	Approx. 1 km offshore of Ebigawa River Estuary	Coastal area of Keiyo Port (Ebigawa River Estuary)	2014/1/9	Cloudy	7.2	0.5	2.0	28	7	3	<1	<1	
						Lower layer					6.2	28	7
5	Approx. 1 km offshore of Edogawa River Estuary	Coastal area of Keiyo Port (Ebigawa River Estuary)	2014/1/9	Cloudy	4.0	0.5	2.0	27	6	4	<1	<1	
						Lower layer					3.0	27	7
6	Approx. 1 km offshore of Kyuedogawa River Estuary	Offshore of Kyuedogawa River Estuary	2014/2/13	Cloudy	6.3	0.5	2.5	28	4	2	<1	<1	
						Lower layer					5.3	28	6
7	St-8	Offshore of Arakawa River/Kyuedogawa River Estuaries	2014/2/13	Cloudy	6.0	0.5	2.0	28	6	3	<1	<1	
						Lower layer					5.0	28	6
8	Southwestern area of Toyosu Wharf	Offshore of Sumidagawa River Estuary	2014/2/13	Cloudy	12.0	0.5	2.5	27	4	2	<1	<1	
						Lower layer					11.0	28	5

- Sampling points are listed from north to south.
- Radioactive materials concentrations contain some measurement errors but are not noted here.

○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 content %	Property	Radioactive cesium			
								Cs-134	Cs-137	Total	
1	Tokyowan Bay 7	Offshore of Yorogawa River Estuary	2014/1/9	Cloudy	9.7	49	Silt/sand	<10	11	11	
2	Tokyowan Bay 5	Offshore of Miyakogawa River Estuary	2014/1/9	Cloudy	9.3	39	Silt	<10	21	21	
3	Coastal sea area of Makuhari	Offshore of Inbanuma Discharge Channel	2014/1/9	Cloudy	5.5	65	Silt	<10	23	23	
4	Approx. 1 km offshore of Ebigawa River Estuary	Coastal area of Keiyo Port (Ebigawa River Estuary)	2014/1/9	Cloudy	7.2	67	Silt/sand	<10	<10	-	
5	Approx. 1 km offshore of Edogawa River Estuary		2014/1/9	Cloudy	4.0	63	Sand	<10	<10	-	
6	Approx. 1 km offshore of Kyuedogawa River Estuary	Offshore of Kyuedogawa River Estuary	2014/2/13	Cloudy	6.3	43	Silt	210	570	780	
7	St-8	Offshore of Arakawa River/Kyuedogawa River Estuaries	2014/2/13	Cloudy	6.0	44	Silt	84	270	354	
8	Southwestern area of Toyosu Wharf	Offshore of Sumidagawa River Estuary	2014/2/13	Cloudy	12.0	21	Silt	34	84	118	

- Sampling points are listed from north to south.
- Radioactive materials concentrations contain some measurement errors but are not noted here.



Legend

Survey locations

- Rivers
- Lakes and headwaters
- Coasts