

## FY2014 Chiba Prefecture Survey Results

### [Survey Results]

#### (1) Water

##### Rivers

Radioactive cesium (Cs-134, Cs-137): Not detectable at any location

##### Lakes and reservoirs

Radioactive cesium (Cs-134, Cs-137): Not detectable at any location

##### Coastal areas

Radioactive cesium (Cs-134, Cs-137): Not detectable at any location

#### (2) Sediments

##### Rivers

Cs-134: ND - 1,400 Bq/kg (dry)

Cs-137: 11 - 3,800 Bq/kg (dry)

##### Lakes and reservoirs

Cs-134: 32 - 1,500 Bq/kg (dry)

Cs-137: 89 - 4,200 Bq/kg (dry)

##### Coastal areas

Cs-134: ND - 9.6 Bq/kg (dry)

Cs-137: 2.7 - 21 Bq/kg (dry)

#### (3) Surrounding Environment

##### (a) Soil

##### Rivers

Cs-134: ND - 970 Bq/kg (dry)

Cs-137: 37 - 3,000 Bq/kg (dry)

##### Lakes and reservoirs

Cs-134: 89 - 1,000 Bq/kg (dry)

Cs-137: 2590 - 3,400 Bq/kg (dry)

##### (b) Ambient dose rate

##### Rivers

0.04 - 0.26  $\mu$ Sv/h

##### Lakes and reservoirs

0.08 - 0.16  $\mu$ Sv/h

# Chiba River (Water) 1/4

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water										Remarks	
	Water area	Location	Municipality					General items						Activity concentration(Bq/L)					
								Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium			
																Cs-134	Cs-137		
R i v e r s	1	Shogen River	Fukama-shashi Bridge	2014/5/12	Sunny	26.3	1.9	20.7	0.0	Grayish reddish yellow	Faint swamp	21	31.1	12	5.2	<0.56 ± 0.11	<0.58 ± 0.13		
				2014/8/11	Cloudy	30.7	3.0	28.1	0.0	Grayish reddish yellow	None	14	28.9	20	14	<0.57 ± 0.12	<0.59 ± 0.15		
				2014/11/10	Sunny	16.5	2.1	16.4	0.0	Grayish reddish yellow	faint sewage	20	29.4	12	12	<0.52 ± 0.12	<0.55 ± 0.13		
			2015/1/26	Cloudy	8.4	1.8	6.4	0.0	Grayish greenish yellow	faint sewage	40	29.5	10	10	<0.64 ± 0.10	<0.62 ± 0.14			
			2014/5/12	Cloudy	20.3	1.6	21.7	0.0	Grayish reddish yellow	Medium sewage	18	24.5	19	11	<0.74 ± 0.15	<0.52 ± 0.12			
			2014/8/11	Cloudy	30.6	1.3	27.0	0.0	Grayish reddish yellow	None	17	24.9	29	13	<0.54 ± 0.12	<0.47 ± 0.12			
		2	Shinbei Bridge	Inzai City /Sakae Town	2014/11/10	Sunny	19.4	1.1	16.6	0.0	Light grayish reddish yellow	Faint swamp	18	27.4	22	16	<0.58 ± 0.11	<0.58 ± 0.11	
					2015/2/16	Sunny	6.8	1.4	5.0	0.0	Light grayish yellow	faint sewage	29	32.4	22	15	<0.47 ± 0.095	<0.66 ± 0.12	
					2014/5/12	Cloudy	23.7	0.1	22.3	0.0	Grayish reddish yellow	faint sewage	14	24.6	27	13	<0.48 ± 0.12	<0.59 ± 0.13	
					2014/8/11	Sunny	32.7	0.4	28.2	0.0	Grayish yellow	None	14	28.9	68	42	<0.61 ± 0.14	<0.68 ± 0.14	
					2014/11/10	Sunny	19.2	0.5	19.3	0.0	Light grayish yellow	faint sewage	18	27.6	24	16	<0.42 ± 0.080	<0.45 ± 0.12	
					2015/2/16	Sunny	7.0	0.3	6.6	0.0	Light grayish reddish yellow	None	22	30.6	21	16	<0.58 ± 0.11	<0.62 ± 0.14	
	3	Intake at Maeshinden Water Purification Plant	Inzai City /Sakae Town	2014/5/12	Cloudy	23.1	0.3	20.8	0.0	Grayish reddish yellow	faint sewage	17	23.8	47	16	<0.58 ± 0.12	<0.52 ± 0.12		
				2014/8/11	Sunny	30.1	0.3	27.5	0.0	Grayish reddish yellow	None	11	26.3	53	39	<0.54 ± 0.13	<0.59 ± 0.13		
				2014/11/10	Sunny	18.8	0.2	18.0	0.0	Light grayish reddish yellow	faint sewage	24	28.2	15	12	<0.71 ± 0.14	<0.52 ± 0.12		
				2015/2/16	Sunny	8.6	0.4	6.4	0.0	Light grayish reddish yellow	faint sewage	19	29.5	15	12	<0.58 ± 0.13	<0.56 ± 0.12		
				2014/5/13	Cloudy	19.1	1.5	18.9	0.0	Grayish yellow	faint sewage	36	23.4	9	5.4	<0.69 ± 0.13	<0.63 ± 0.11		
				2014/8/11	Sunny	30.2	1.5	27.8	0.0	Grayish yellow	None	19	24.7	38	16	<0.54 ± 0.15	<0.59 ± 0.14		
	4	Nagato River	Nagato Bridge	2014/11/10	Sunny	19.4	0.9	17.4	0.0	Grayish greenish yellow	faint sewage	44	26.6	11	9.5	<0.60 ± 0.13	<0.63 ± 0.10		
				2015/2/16	Sunny	9.9	1.0	6.8	0.0	Grayish greenish yellow	faint sewage	32	27.2	8	7.1	<0.47 ± 0.10	<0.74 ± 0.12		
				2014/5/13	Light rain	17.6	0.1	16.2	0.0	Grayish reddish yellow	faint sewage	19	43.0	40	14	<0.59 ± 0.093	<0.76 ± 0.19		
				2014/8/12	Cloudy	28.0	0.2	25.5	0.0	Light grayish reddish yellow	faint earth	38	37.3	25	7.2	<0.68 ± 0.14	<0.51 ± 0.13		
				2014/11/11	Cloudy	13.5	0.0	15.2	0.0	Grayish reddish yellow	faint sewage	32	136.4	18	14	<0.78 ± 0.15	<0.70 ± 0.12		
				2015/1/26	Sunny	12.7	0.1	9.7	0.0	Light grayish reddish yellow	faint sewage	42	103.5	19	12	<0.69 ± 0.13	<0.71 ± 0.15		
	5	Fujimi Bridge	Sakae Town	2014/5/13	Light rain	19.4	0.2	19.1	0.0	Grayish reddish yellow	None	34	72.3	12	5.9	<0.71 ± 0.12	<0.63 ± 0.15		
				2014/8/12	Sunny	28.1	0.3	26.4	0.0	Light grayish reddish yellow	None	14	20.2	40	19	<0.62 ± 0.11	<0.63 ± 0.14		
				2014/11/11	Cloudy	13.6	0.2	14.9	0.0	Grayish greenish yellow	faint sewage	51	48.0	8	5.1	<0.76 ± 0.20	<0.65 ± 0.12		
				2015/1/26	Sunny	14.6	0.4	8.8	0.0	Light grayish yellow	faint sewage	44	34.3	10	8.3	<0.54 ± 0.13	<0.66 ± 0.13		
				2014/5/14	Cloudy	18.9	0.1	19.3	0.0	Light grayish reddish yellow	None	63	26.6	9	2.8	<0.62 ± 0.13	<0.63 ± 0.16		
				2014/8/14	Cloudy	28.3	0.3	26.5	0.0	Grayish yellow	faint sewage	60	37.8	3	1.4	<0.64 ± 0.10	<0.66 ± 0.16		
	6	Ryudai River	Ryumatsuno Bridge	2014/11/13	Sunny	12.1	0.4	13.9	0.0	Grayish greenish yellow	faint sewage	>100	31.6	8	1.9	<0.66 ± 0.14	<0.57 ± 0.15		
				2015/1/29	Sunny	2.6	0.2	5.3	0.0	Light grayish yellow green	faint sewage	>100	34.1	4	2.7	<0.60 ± 0.13	<0.65 ± 0.13		
				2014/6/7	Sunny	22.9	0.1	19.9	0.0	Light grayish reddish yellow	faint sewage	56	35.5	9	3.3	<0.58 ± 0.13	<0.68 ± 0.18		
				2014/8/14	Light rain	28.1	0.1	23.8	0.0	Light grayish reddish yellow	None	70	37.6	3	1.3	<0.74 ± 0.16	<0.57 ± 0.13		
				2014/11/13	Sunny	18.1	0.2	17.4	0.0	Light grayish greenish yellow	faint sewage	>100	38.6	6	1.9	<0.56 ± 0.13	<0.63 ± 0.15		
				2015/1/29	Sunny	11.4	0.2	11.2	0.0	Light grayish greenish yellow	None	>100	43.6	2	1.9	<0.53 ± 0.12	<0.45 ± 0.10		
	7	Nekona River	Shinkawa Floodgate	2014/5/14	Cloudy	22.9	0.3	19.5	0.0	Light grayish reddish yellow	None	25	40.9	16	7.9	<0.71 ± 0.13	<0.76 ± 0.17		
				2014/8/14	Light rain	25.2	0.5	25.8	0.0	Light grayish yellow	faint sewage	42	56.5	17	3.8	<0.58 ± 0.15	<0.66 ± 0.11		
				2014/11/13	Sunny	14.6	0.4	14.0	0.0	Light grayish reddish yellow	faint sewage	73	49.6	6	2.2	<0.62 ± 0.14	<0.50 ± 0.14		
				2015/1/29	Sunny	2.7	0.3	5.6	0.0	Light grayish greenish yellow	faint sewage	>100	53.7	5	2.7	<0.48 ± 0.12	<0.58 ± 0.14		
				2014/5/14	Cloudy	25.3	0.8	21.5	0.0	Grayish reddish yellow	None	33	30.0	18	7.5	<0.48 ± 0.098	<0.68 ± 0.20		
				2014/8/14	Cloudy	30.9	0.8	26.1	0.0	Light grayish greenish yellow	None	43	38.5	4	2.2	<0.64 ± 0.13	<0.78 ± 0.18		
	8	Ohori River	Kitakashiwa Bridge	2014/11/13	Sunny	18.4	0.3	16.4	0.0	Light grayish reddish yellow	faint sewage	>100	37.3	4	1.7	<0.56 ± 0.13	<0.57 ± 0.13		
				2015/1/29	Sunny	9.4	0.3	10.5	0.0	Light grayish greenish yellow	None	95	37.2	4	3.1	<0.52 ± 0.12	<0.65 ± 0.15		
				2014/5/14	Cloudy	24.8	0.4	21.5	0.0	Light grayish yellow	faint sewage	68	37.4	3	1.6	<0.71 ± 0.14	<0.72 ± 0.19		
				2014/8/14	Cloudy	29.7	0.1	22.0	0.0	Light grayish greenish yellow	None	>100	37.8	4	1.0	<0.53 ± 0.12	<0.66 ± 0.12		
				2014/11/13	Sunny	17.8	0.0	16.1	0.0	Light grayish greenish yellow	faint sewage	81	38.5	8	1.9	<0.67 ± 0.16	<0.63 ± 0.12		
				2015/1/29	Sunny	8.4	0.1	9.9	0.0	Light grayish greenish yellow	faint sewage	>100	41.6	2	1.9	<0.55 ± 0.13	<0.55 ± 0.14		
	9	Otsu River	Sanno Bridge, under	2014/5/14	Cloudy	21.6	0.5	21.5	0.0	Grayish reddish yellow	faint sewage	22	27.8	20	6.6	<0.68 ± 0.14	<0.51 ± 0.15		
				2014/8/15	Sunny	27.4	0.5	23.8	0.0	Light grayish reddish yellow	faint sewage	60	29.5	13	1.4	<0.64 ± 0.13	<0.66 ± 0.18		
				2014/11/14	Sunny	8.4	0.4	11.2	0.0	Light grayish reddish yellow	faint sewage	>100	35.2	7	1.8	<0.73 ± 0.16	<0.60 ± 0.14		
				2015/1/30	Light snow	1.7	0.4	7.4	0.0	Light grayish yellow	None	>100	35.3	3	2.0	<0.46 ± 0.096	<0.62 ± 0.11		
				2014/8/14	Cloudy	22.9	0.3	19.5	0.0	Light grayish reddish yellow	None	25	40.9	16	7.9	<0.71 ± 0.13	<0.76 ± 0.17		
				2014/8/14	Light rain	25.2	0.5	25.8	0.0	Light grayish yellow	faint sewage	42	56.5	17	3.8	<0.58 ± 0.15	<0.66 ± 0.11		
	10	Feeder rivers of Lake Teganuma	Kaminuma Bridge	2014/11/13	Sunny	14.6	0.4	14.0	0.0	Light grayish reddish yellow	faint sewage	73	49.6	6	2.2	<0.62 ± 0.14	<0.50 ± 0.14		
				2015/1/29	Sunny	2.7	0.3	5.6	0.0	Light grayish greenish yellow	faint sewage	>100	53.7	5	2.7	<0.48 ± 0.12	<0.58 ± 0.14		
				2014/5/14	Cloudy	25.3	0.8	21.5	0.0	Grayish reddish yellow	None	33	30.0	18	7.5	<0.48 ± 0.098	<0.68 ± 0.20		
				2014/8/14	Cloudy	30.9	0.8	26.1	0.0	Light grayish greenish yellow	None	43	38.5	4	2.2	<0.64 ± 0.13	<0.78 ± 0.18		
				2014/11/13	Sunny	18.4	0.3	16.4	0.0	Light grayish reddish yellow	faint sewage	>100	37.3	4	1.7	<0.56 ± 0.13	<0.57 ± 0.13		
				2015/1/29	Sunny	9.4	0.3	10.5	0.0	Light grayish greenish yellow	None	95	37.2	4	3.1	<0.52 ± 0.12	<0.65 ± 0.15		
11	Someiotoshi	Someishinbashi Bridge	2014/5/14	Cloudy	24.8	0.4	21.5	0.0	Light grayish yellow	faint sewage	68	37.4	3	1.6	<0.71 ± 0.14	<0.72 ± 0.19			
			2014/8/14	Cloudy	29.7	0.1	22.0	0.0	Light grayish greenish yellow	None	>100	37.8	4	1.0	<0.53 ± 0.12	<0.66 ± 0.12			
			2014/11/13	Sunny	17.8	0.0	16.1	0.0	Light grayish greenish yellow	faint sewage	81	38.5	8	1.9	<0.67 ± 0.16	<0.63 ± 0.12			
			2015/1/29	Sunny	8.4	0.1	9.9	0.0	Light grayish greenish yellow	faint sewage	>100	41.6	2	1.9	<0.55 ± 0.13	<0.55 ± 0.14			
			2014/5/14	Cloudy	21.6	0.5	21.5	0.0	Grayish reddish yellow	faint sewage	22	27.8	20	6.6	<0.68 ± 0.14	<0.51 ± 0.15			
			2014/8/15	Sunny	27.4	0.5	23.8	0.0	Light grayish reddish yellow	faint sewage	60	29.5	13	1.4	<0.64 ± 0.13	<0.66 ± 0.18			
12	Kanayamaotoshi	Invention of Kanayama Bridge	2014/11/14	Sunny	8.4	0.4	11.2	0.0	Light grayish reddish yellow	faint sewage	>100	35.2	7	1.8	<0.73 ± 0.16	<0.60 ± 0.14			
			2015/1/30	Light snow	1.7	0.4	7.4	0.0	Light grayish yellow	None	>100	35.3	3	2.0	<0.46 ± 0.096	<0.62 ± 0.11			
			2014/5/14	Cloudy	22.9	0.3	19.5	0.0	Light grayish reddish yellow	None	25	40.9	16	7.9	<0.71 ± 0.13	<0.76 ± 0.17			
			2014/8/14	Light rain	25.2	0.5	25.8	0.0	Light grayish yellow	faint sewage	42	56.5	17	3.8	<0.58 ± 0.15	<0.66 ± 0.11			
			2014/11/13	Sunny	14.6	0.4	14.0	0.0	Light grayish reddish yellow	faint sewage	73	49.6	6	2.2	<0.62 ± 0.14	<0.50 ± 0.14			
			2015/1/29	Sunny	2.7	0.3	5.6	0.0	Light grayish greenish yellow	faint sewage	>100	53.7	5	2.7	<0.48 ± 0.12	<0.58 ± 0.14			
13	Nauchi Bridge	Shiroi City	2014/5/14	Cloudy	25.3	0.8	21.5	0.0	Grayish reddish yellow	None	33	30.0	18	7.5	<0.48 ± 0.098	<0.68 ± 0.20			
			2014/8/14	Cloudy	30.9	0.8	26.1	0.0	Light grayish greenish yellow	None	43	38.5	4	2.2	<0.64 ± 0.13	<0.78 ± 0.18			
			2014/11/13	Sunny	18.4	0.3	16.4	0.0	Light grayish reddish yellow	faint sewage	>100	37.3	4	1.7	<0.56 ± 0.13	<0.57 ± 0.13			
			2015/1/29	Sunny	9.4	0.3	10.5	0.0	Light grayish greenish yellow	None	95	37.2	4	3.1	<0.52 ± 0.12	<0.65 ± 0.15			
			2014/5/14	Cloudy	24.8	0.4	21.5	0.0	Light grayish yellow	faint sewage	68	37.4	3	1.6	<0.71 ± 0.14	<0.72 ± 0.19			
			2014/8/14	Cloudy</															

# Chiba River (Water) 2/4

Location					Water													Remarks	
No.	Water area		Location	Municipality	Sampling Date	Weather	Air temperature (°C)	Water depth (m)	General items					Activity concentration(Bq/L)					
									Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium		
															Cs-134	Cs-137			
R i v e r s	14	Feeder Rivers of Teganuma Lake	Kamenari River	Kamenari Bridge	Inzai City	2014/5/30	Sunny	22.5	0.9	24.2	0.0	Light grayish yellow	None	49	42.6	9	4.5	<0.63 ± 0.13	<0.68 ± 0.13
						2014/8/14	Cloudy	26.5	0.6	26.1	0.0	Light grayish yellow	faint earth	81	33.4	6	1.9	<0.64 ± 0.13	<0.66 ± 0.15
						2014/11/12	Light rain	11.1	0.4	13.4	0.0	Light grayish reddish yellow	faint sewage	>100	31.7	5	2.7	<0.56 ± 0.12	<0.65 ± 0.099
						2015/1/26	Cloudy	10.8	0.4	10.1	0.0	Light grayish greenish yellow	None	92	33.5	7	3.6	<0.58 ± 0.099	<0.78 ± 0.16
	15	Igusasu Channel	Downstream of Igusasu Channel	Kamagaya City	2014/5/15	Light rain	17.6	0.1	19.0	0.0	Light grayish yellow	faint sewage	31	14.9	3	1.6	<0.65 ± 0.16	<0.80 ± 0.18	
					2014/8/15	Sunny	30.4	0.0	27.2	0.0	Soft yellow green	faint sewage	21	22.3	39	11	<0.64 ± 0.13	<0.66 ± 0.16	
					2014/11/14	Sunny	10.3	0.2	13.9	0.0	Light grayish greenish yellow	faint sewage	>100	39.7	2	2.5	<0.72 ± 0.18	<0.70 ± 0.13	
					2015/2/17	Light snow	2.6	0.0	5.9	0.0	Light grayish yellow	Medium sewage	73	49.9	6	3.8	<0.62 ± 0.15	<0.63 ± 0.13	
	16	Futae River	Tomigaya Bridge	Funabashi City /Shiroi City	2014/6/3	Sunny	26.1	0.1	22.0	0.0	Light grayish reddish yellow	Faint swamp	>100	37.0	2	1.2	<0.62 ± 0.13	<0.61 ± 0.12	
					2014/8/15	Sunny	30.0	0.3	26.8	0.0	Light grayish reddish yellow	None	94	26.9	2	1.5	<0.50 ± 0.11	<0.42 ± 0.11	
					2014/11/14	Sunny	13.8	0.3	11.3	0.0	Light grayish reddish yellow	faint sewage	>100	39.6	<1	0.6	<0.60 ± 0.11	<0.50 ± 0.13	
					2015/1/30	Light rain	2.6	0.2	7.9	0.0	Light grayish yellow	faint sewage	78	39.5	4	3.6	<0.50 ± 0.12	<0.62 ± 0.15	
	17	Kanzaki River	Kanzaki Bridge	Yachiyo City /Inzai City	2014/5/30	Sunny	23.9	1.5	25.5	0.0	Light grayish yellow	None	46	28.5	10	4.2	<0.55 ± 0.14	<0.66 ± 0.13	
					2014/8/27	Cloudy	21.3	2.0	22.9	0.0	Light grayish greenish yellow	None	43	36.1	11	3.7	<0.31 ± 0.048	<0.55 ± 0.083	
					2014/11/28	Cloudy	14.8	1.5	12.2	0.0	Light grayish yellow green	None	37	29.0	6	4.0	<0.55 ± 0.10	<0.81 ± 0.17	
					2015/1/30	Light rain	2.3	1.9	6.1	0.0	Light grayish yellow	None	55	31.8	8	5.7	<0.63 ± 0.14	<0.62 ± 0.12	
	18	Kanno River	Kanno Bridge	Yachiyo City	2014/5/30	Sunny	25.2	1.0	24.2	0.0	Light grayish yellow	None	44	34.9	10	3.4	<0.66 ± 0.16	<0.49 ± 0.099	
					2014/8/27	Cloudy	23.1	0.8	22.2	0.0	Grayish greenish yellow	None	41	40.7	10	4.0	<0.52 ± 0.12	<0.65 ± 0.15	
					2014/11/28	Sunny	15.8	0.5	12.5	0.0	Light grayish greenish yellow	faint sewage	26	39.1	13	6.5	<0.74 ± 0.15	<0.71 ± 0.13	
					2015/1/27	Sunny	15.3	0.8	11.0	0.0	Grayish greenish yellow	Faint swamp	28	15.6	21	9.0	<0.53 ± 0.12	<0.62 ± 0.15	
	19	Mts.Obayashi Channel (upper reaches)	Yachiyo Bridge	Yachiyo City	2014/5/30	Sunny	27.0	3.2	25.4	0.0	Grayish reddish yellow	faint sewage	32	24.5	27	13	<0.73 ± 0.16	<0.68 ± 0.15	
					2014/8/27	Cloudy	22.7	4.1	25.3	0.0	Light grayish greenish yellow	Medium sewage	23	36.7	27	12	<0.58 ± 0.14	<0.55 ± 0.14	
					2014/11/28	Sunny	16.0	3.6	12.5	0.0	Light grayish reddish yellow	faint sewage	23	27.8	14	6.8	<0.58 ± 0.099	<0.74 ± 0.16	
					2015/1/27	Sunny	14.6	2.8	11.1	0.0	Light grayish reddish yellow	Faint swamp	35	33.5	15	8.3	<0.59 ± 0.12	<0.74 ± 0.16	
	20	Feeder rivers of Lake Inbanuma	Teguri River	Mumei Bridge	Sakura City	2014/5/16	Sunny	21.0	0.7	17.2	0.0	Light grayish yellow	None	55	30.4	8	2.2	<0.70 ± 0.13	<0.68 ± 0.12
						2014/8/12	Cloudy	26.4	0.6	25.5	0.0	Light grayish greenish yellow	None	>100	36.9	4	1.3	<0.48 ± 0.11	<0.68 ± 0.14
						2014/11/11	Cloudy	14.0	0.4	14.6	0.0	Light grayish greenish yellow	faint sewage	>100	37.9	4	1.9	<0.61 ± 0.11	<0.54 ± 0.13
						2015/1/27	Sunny	16.6	0.4	11.5	0.0	Light grayish greenish yellow	faint sewage	32	20.7	15	5.4	<0.64 ± 0.10	<0.56 ± 0.15
	21	Moroto River	Moroto Bridge	Inzai City	2014/5/13	Cloudy	22.2	1.2	19.3	0.0	Grayish reddish yellow	faint sewage	24	24.1	18	9.0	<0.61 ± 0.12	<0.66 ± 0.14	
					2014/8/12	Cloudy	26.1	1.2	26.7	0.0	Light grayish reddish yellow	None	34	25.7	17	5.4	<0.68 ± 0.13	<0.58 ± 0.083	
					2014/11/11	Cloudy	15.7	0.9	15.3	0.0	Grayish greenish yellow	faint sewage	57	26.6	5	4.2	<0.71 ± 0.14	<0.62 ± 0.13	
					2015/1/27	Sunny	13.8	1.1	10.2	0.0	Light grayish greenish yellow	faint sewage	68	24.8	6	3.2	<0.59 ± 0.12	<0.85 ± 0.17	
	22	Kashima River	Iwatomi Bridge	Sakura City	2014/5/16	Sunny	22.8	0.3	21.3	0.0	Light grayish reddish yellow	None	48	25.1	9	1.2	<0.61 ± 0.14	<0.73 ± 0.16	
					2014/8/13	Sunny	31.0	0.5	23.3	0.0	Light grayish reddish yellow	None	45	23.4	14	3.9	<0.68 ± 0.13	<0.68 ± 0.14	
					2014/11/12	Cloudy	13.2	0.5	14.7	0.0	Light grayish reddish yellow	None	>100	33.3	6	2.6	<0.79 ± 0.18	<0.78 ± 0.17	
					2015/1/28	Sunny	6.9	0.4	9.7	0.0	Light grayish greenish yellow	None	64	28.4	13	4.4	<0.66 ± 0.14	<0.42 ± 0.082	
	23	Takasaki River	Ryuto Bridge	Sakura City	2014/5/16	Sunny	23.6	0.4	20.3	0.0	Light grayish greenish yellow	faint sewage	61	32.4	5	2.2	<0.61 ± 0.13	<0.62 ± 0.12	
					2014/8/13	Sunny	25.5	0.5	24.8	0.0	Grayish reddish yellow	faint sewage	58	26.7	9	2.4	<0.73 ± 0.15	<0.72 ± 0.14	
					2014/11/12	Light rain	13.5	0.8	14.5	0.0	Light grayish reddish yellow	faint sewage	88	37.6	7	3.1	<0.84 ± 0.19	<0.78 ± 0.14	
					2015/1/27	Light rain	10.2	1.0	10.3	0.0	Light grayish reddish yellow	faint sewage	35	30.1	40	11	<0.48 ± 0.12	<0.52 ± 0.10	
	24	Kashima River	Kashima Bridge	Sakura City	2014/5/16	Sunny	23.0	3.3	20.1	0.0	Light grayish reddish yellow	faint sewage	46	32.2	7	3.2	<0.52 ± 0.11	<0.58 ± 0.11	
					2014/8/12	Light rain	26.8	2.4	25.5	0.0	Light grayish yellow	faint sewage	45	35.9	10	1.5	<0.62 ± 0.13	<0.72 ± 0.12	
					2014/11/11	Cloudy	13.8	2.9	14.7	0.0	Grayish yellow green	faint sewage	>100	38.5	4	2.5	<0.62 ± 0.13	<0.77 ± 0.16	
					2015/1/27	Cloudy	9.3	2.8	10.3	0.0	Light grayish yellow	None	56	31.8	10	4.1	<0.60 ± 0.12	<0.55 ± 0.11	
	25	Inbasu Channel	Tsurumaki Bridge	Inzai City	2014/5/13	Cloudy	19.7	2.1	19.9	0.0	Light grayish reddish yellow	faint earth	15	36.1	24	12	<0.68 ± 0.15	<0.59 ± 0.13	
					2014/8/12	Cloudy	28.9	2.3	27.3	0.0	Grayish yellow	faint earth	18	27.2	30	11	<0.56 ± 0.13	<0.63 ± 0.12	
					2014/11/11	Cloudy	19.8	2.2	15.7	0.0	Light grayish greenish yellow	Medium sewage	32	29.8	23	11	<0.58 ± 0.11	<0.36 ± 0.079	
					2015/2/17	Cloudy	4.7	2.5	5.9	0.0	Grayish reddish yellow	None	15	28.6	37	20	<0.52 ± 0.12	<0.60 ± 0.14	
26	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/20	Cloudy	22.5	0.1	20.9	0.0	Grayish reddish yellow	faint sewage	21	49.9	24	7.9	<0.58 ± 0.11	<0.62 ± 0.15	
					2014/8/18	Cloudy	24.9	0.3	24.7	0.0	Grayish reddish yellow	None	46	37.0	15	2.6	<0.71 ± 0.13	<0.66 ± 0.18	
					2014/11/25	Light rain	12.4	0.2	12.5	0.0	Light grayish greenish yellow	faint sewage	47	50.0	12	4.3	<0.58 ± 0.15	<0.62 ± 0.16	
					2015/2/6	Sunny	4.4	0.2	5.9	0.0	Light grayish reddish yellow	faint sewage	60	44.5	6	5.3	<0.51 ± 0.10	<0.55 ± 0.11	

# Chiba River (Water) 3/4

Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water											Remarks
No.	Water area	Location	Municipality					General items						Activity concentration(Bq/L)					
								Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium			
													Cs-134	Cs-137					
R i v e r s	27	Edogawa River	Nagareyama Bridge	Nagareyama City /Misato City	2014/5/20	Cloudy	25.0	0.2	19.5	0.0	Light grayish yellow	faint sewage	57	15.7	7	1.6	<0.72 ± 0.14	<0.59 ± 0.10	
					2014/8/18	Cloudy	28.1	0.4	24.9	0.0	Light grayish reddish yellow	faint sewage	38	17.8	18	4.8	<0.51 ± 0.11	<0.66 ± 0.13	
	2014/11/25	Light rain	12.5	0.4	11.4	0.0	Grayish yellow green	None	>100	26.2	4	2.2	<0.61 ± 0.098	<0.62 ± 0.14					
	2015/2/6	Sunny	6.4	0.2	5.0	0.0	Grayish greenish yellow	None	82	25.2	6	2.8	<0.63 ± 0.13	<0.55 ± 0.14					
	28	Sakagawa River	Benten Bridge	Matsudo City	2014/5/20	Sunny	26.9	1.7	23.2	0.0	Light grayish yellow	None	47	28.0	8	1.9	<0.67 ± 0.13	<0.74 ± 0.18	
					2014/8/18	Sunny	32.3	2.1	29.3	0.0	Grayish greenish yellow	faint sewage	83	26.5	5	1.7	<0.57 ± 0.12	<0.71 ± 0.15	
					2014/11/25	Light rain	12.6	2.2	12.1	0.0	Light grayish yellow green	faint sewage	>100	30.5	4	2.1	<0.61 ± 0.13	<0.47 ± 0.096	
					2015/2/6	Sunny	11.4	2.4	6.8	0.0	Light grayish yellow green	None	70	32.8	6	4.2	<0.79 ± 0.21	<0.51 ± 0.088	
	29	Shinsaka River	Sakane Bridge	Matsudo City	2014/5/20	Sunny	27.3	0.5	23.1	0.0	Grayish yellow	faint sewage	41	32.2	12	4.4	<0.62 ± 0.13	<0.59 ± 0.13	
					2014/8/18	Sunny	34.2	0.6	29.4	0.0	Grayish yellow	faint sewage	53	31.5	7	3.7	<0.57 ± 0.13	<0.56 ± 0.17	
					2014/11/25	Light rain	10.8	0.8	13.4	0.0	Grayish yellow green	faint sewage	52	36.4	4	3.2	<0.67 ± 0.14	<0.59 ± 0.14	
					2015/2/6	Sunny	11.7	0.6	9.6	0.0	Light grayish greenish yellow	faint sewage	55	31.6	11	10	<0.64 ± 0.13	<0.62 ± 0.15	
	30	Shinkatsushika Bridge	Matsudo City /Katsushika City	Matsudo City	2014/5/26	Sunny	22.8	0.3	20.3	0.0	Light grayish yellow	None	43	13.3	7	3.1	<0.64 ± 0.14	<0.71 ± 0.13	
					2014/8/20	Sunny	28.1	0.6	28.6	0.0	Light grayish yellow	faint sewage	51	20.4	9	1.3	<0.58 ± 0.13	<0.55 ± 0.11	
					2014/11/17	Cloudy	8.9	0.5	11.7	0.0	Grayish yellow green	None	85	26.7	4	2.5	<0.61 ± 0.16	<0.62 ± 0.13	
					2015/2/9	Cloudy	3.8	0.3	5.9	0.0	Grayish yellow green	None	86	24.6	4	3.1	<0.64 ± 0.12	<0.71 ± 0.16	
	31	Edogawa River	Ichikawa Bridge	Ichikawa City /Edogawa City	2014/5/26	Sunny	21.4	0.3	20.0	0.0	Light grayish greenish yellow	None	47	13.6	12	3.9	<0.55 ± 0.12	<0.52 ± 0.12	
					2014/8/20	Sunny	29.4	0.3	28.8	0.0	Grayish yellow	Medium sewage	53	19.6	5	1.4	<0.56 ± 0.11	<0.58 ± 0.15	
					2014/11/17	Cloudy	11.8	0.8	12.8	0.0	Grayish yellow green	None	>100	26.7	3	2.3	<0.61 ± 0.13	<0.62 ± 0.14	
					2015/2/9	Sunny	3.2	0.4	4.9	0.0	Light grayish yellow green	None	73	26.8	6	3.9	<0.61 ± 0.13	<0.66 ± 0.15	
	32	Edogawa River	Vicinity of Keiyo Road	Ichikawa City /Edogawa City	2014/5/21	Sunny	16.9	2.6	19.7	0.0	Light grayish yellow	None	34	15.6	13	5.3	<0.68 ± 0.15	<0.63 ± 0.14	
					2014/8/21	Cloudy	28.9	3.7	28.2	0.0	Grayish greenish yellow	faint sewage	39	20.4	7	1.5	<0.45 ± 0.11	<0.58 ± 0.11	
					2014/11/18	Sunny	12.3	3.5	12.7	0.0	Grayish greenish yellow	None	77	32.4	7	3.1	<0.51 ± 0.096	<0.59 ± 0.14	
					2015/2/10	Sunny	0.3	4.3	4.7	0.0	Grayish greenish yellow	None	69	27.8	5	4.8	<0.52 ± 0.11	<0.63 ± 0.13	
	33	Edogawa River	Gyotoku Movable Weir (upper reaches)	Ichikawa City	2014/5/21	Sunny	16.3	4.8	19.3	0.0	Light grayish reddish yellow	None	37	17.8	8	2.4	<0.71 ± 0.13	<0.72 ± 0.15	
					2014/6/25	Cloudy	21.4	2.8	21.2	0.0	Light grayish reddish yellow	None	13	16.6	38	34	<0.55 ± 0.092	<0.71 ± 0.15	
					2014/7/24	Cloudy	27.6	3.2	26.2	0.0	Dark grayish yellow	None	37	19.1	14	2.5	<0.60 ± 0.14	<0.52 ± 0.10	
					2014/8/21	Cloudy	28.5	4.2	27.7	0.0	Grayish yellow	faint sewage	38	21.0	7	1.9	<0.50 ± 0.085	<0.63 ± 0.12	
	34	Edogawa River	Shingyotokubashi Bridge	Ichikawa City	2014/9/19	Sunny	21.2	4.1	22.0	0.0	Grayish greenish yellow	faint sewage	38	40.0	9	5.1	<0.61 ± 0.11	<0.56 ± 0.16	
					2014/11/18	Sunny	13.2	5.1	12.6	0.0	Grayish greenish yellow	None	64	29.3	6	3.3	<0.63 ± 0.14	<0.51 ± 0.12	
					2015/2/10	Sunny	2.0	4.8	4.2	0.0	Light grayish greenish yellow	None	54	27.2	8	6.9	<0.56 ± 0.12	<0.45 ± 0.11	
					2014/5/26	Sunny	23.4	0.3	22.2	0.0	Light grayish greenish yellow	None	18	3,770.0	25	14	<0.48 ± 0.094	<0.65 ± 0.13	
	35	Kyu-Edogawa River	Edogawa Floodgate, down	Ichikawa City /Edogawa City	2014/8/20	Sunny	32.4	0.4	31.2	0.0	Light grayish greenish yellow	None	26	3,270.0	29	8.6	<0.56 ± 0.13	<0.60 ± 0.11	
					2014/11/17	Cloudy	13.5	0.3	14.5	0.0	Grayish yellow green	None	>100	4,290.0	3	1.5	<0.56 ± 0.13	<0.65 ± 0.15	
					2015/2/9	Sunny	0.2	0.2	4.1	0.0	Light grayish yellow	None	48	725.0	14	6.9	<0.61 ± 0.13	<0.75 ± 0.16	
					2014/5/21	Light rain	17.6	6.1	19.9	0.0	Light grayish reddish yellow	None	27	138.9	14	4.3	<0.52 ± 0.11	<0.58 ± 0.11	
	36	Kyu-Edogawa River	8 km Point to the estuary	Ichikawa City /Edogawa City	2014/8/21	Cloudy	28.2	4.9	27.9	0.0	Grayish yellow	None	45	23.2	7	1.5	<0.56 ± 0.096	<0.68 ± 0.15	
					2014/11/18	Sunny	13.4	5.0	14.0	0.0	Grayish greenish yellow	faint sewage	95	828.0	3	1.7	<0.63 ± 0.15	<0.55 ± 0.13	
					2015/2/10	Sunny	3.4	7.2	10.3	0.0	Grayish yellow	None	72	716.0	4	3.1	<0.54 ± 0.11	<0.60 ± 0.14	
					2014/5/21	Light rain	17.7	3.0	19.9	0.0	Light grayish reddish yellow	faint sewage	34	240.0	14	5.0	<0.59 ± 0.14	<0.55 ± 0.10	
	36	Kyu-Edogawa River	8 km Point to the estuary	Ichikawa City /Edogawa City	2014/8/21	Cloudy	28.2	3.5	28.0	0.0	Grayish greenish yellow	None	49	20.8	7	1.8	<0.59 ± 0.13	<0.71 ± 0.14	
					2014/11/18	Sunny	14.4	4.8	14.5	0.0	Grayish greenish yellow	faint sewage	>100	691.0	4	2.1	<0.61 ± 0.12	<0.76 ± 0.15	
					2015/2/10	Sunny	3.0	3.5	5.3	0.0	Grayish yellow	None	80	569.0	3	3.2	<0.52 ± 0.11	<0.45 ± 0.073	

# Chiba River (Water) 4/4

Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water										Remarks
No.	Water area	Location	Municipality					General items					Activity concentration(Bq/L)					
								Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium		
													Cs-134	Cs-137				
37		Imai Bridge	Ichikawa City /Edogawa City	2014/5/21	Light rain	17.7	4.1	20.0	0.0	Light grayish reddish yellow	faint sewage	41	280.0	8	2.4	<0.58 ± 0.15	<0.66 ± 0.16	
				2014/8/21	Cloudy	29.0	4.2	28.1	0.0	Light grayish greenish yellow	faint sewage	44	66.8	10	1.1	<0.63 ± 0.11	<0.62 ± 0.12	
				2014/11/18	Sunny	14.9	5.2	16.4	0.0	Light grayish greenish yellow	faint sewage	>100	1,340.0	3	1.6	<0.54 ± 0.13	<0.59 ± 0.15	
				2015/2/10	Sunny	3.9	6.7	7.4	0.0	Grayish yellow	None	86	745.0	3	3.1	<0.62 ± 0.11	<0.52 ± 0.11	
38	Kyu-Edogawa River	Urayasu Bridge	Urayasu City/Edogawa City	2014/5/22	Sunny	23.4	1.6	20.2	0.0	Grayish yellow	None	29	23.1	21	5.7	<0.55 ± 0.11	<0.52 ± 0.14	
				2014/6/25	Sunny	24.7	0.9	22.2	0.0	Grayish reddish yellow	faint sewage	14	18.5	72	32	<0.47 ± 0.077	<0.71 ± 0.13	
				2014/7/24	Cloudy	33.1	5.0	25.4	0.0	Dark grayish yellow	faint sewage	35	19.3	20	3.9	<0.52 ± 0.089	<0.52 ± 0.13	
				2014/8/22	Sunny	29.0	0.8	28.3	0.0	Light grayish yellow	faint sewage	39	116.9	26	8.6	<0.59 ± 0.14	<0.59 ± 0.12	
39	Mamagawa River	Nemoto Floodgate	Ichikawa City	2014/9/19	Sunny	23.8	1.5	23.3	0.0	Grayish yellow	faint sewage	79	596.0	7	4.4	<0.45 ± 0.077	<0.59 ± 0.12	
				2014/11/19	Sunny	7.6	0.9	14.1	0.0	Grayish greenish yellow	faint sewage	>100	1,509.0	4	1.7	<0.58 ± 0.13	<0.69 ± 0.13	
				2015/2/9	Cloudy	0.2	2.2	6.8	0.0	Light grayish yellow green	faint sewage	93	2,250.0	4	2.3	<0.55 ± 0.11	<0.66 ± 0.12	
				2014/5/19	Sunny	26.1	0.8	24.0	0.0	Light grayish greenish yellow	None	37	15.9	11	4.2	<0.54 ± 0.10	<0.55 ± 0.13	
40	Edogawa River System	Kokubu River	Suwada Bridge	2014/8/27	Cloudy	23.0	0.5	23.0	0.0	Grayish greenish yellow	faint sewage	52	29.2	5	2.5	<0.53 ± 0.12	<0.60 ± 0.12	
				2014/11/26	Light rain	8.4	1.1	10.5	0.0	Grayish greenish yellow	faint sewage	26	21.1	7	5.5	<0.48 ± 0.11	<0.63 ± 0.11	
				2015/2/3	Sunny	7.7	1.1	4.8	0.0	Light grayish yellow green	None	74	25.6	5	3.4	<0.64 ± 0.12	<0.74 ± 0.12	
				2014/5/19	Sunny	26.3	0.8	22.4	0.0	Grayish reddish yellow	faint sewage	38	47.0	14	2.8	<0.64 ± 0.14	<0.62 ± 0.094	
41	Edogawa River System	Haruki River	Before the confluence with Kokubu River	2014/8/19	Sunny	32.6	1.2	27.5	0.0	Grayish greenish yellow	faint sewage	66	54.5	4	1.9	<0.51 ± 0.12	<0.71 ± 0.18	
				2014/11/26	Light rain	8.4	1.5	11.6	0.0	Light grayish yellow	faint sewage	20	23.6	19	11	<0.79 ± 0.17	<0.68 ± 0.17	
				2015/2/2	Sunny	4.2	1.2	7.7	0.0	Light grayish yellow	faint sewage	69	48.6	7	4.1	<0.41 ± 0.095	<0.75 ± 0.15	
				2014/5/19	Sunny	28.6	0.4	22.5	0.0	Grayish yellow	faint sewage	35	49.4	14	2.9	<0.62 ± 0.13	<0.52 ± 0.11	
42	Edogawa River System	Hasen-okashiwa River	Downstream of Nakazawashinbashi Bridge	2014/8/19	Sunny	33.7	1.0	28.6	0.0	Grayish greenish yellow	faint sewage	40	67.7	5	3.1	<0.61 ± 0.14	<0.66 ± 0.15	
				2014/11/26	Light rain	8.8	0.8	11.6	0.0	Light grayish yellow	faint sewage	21	31.8	21	13	<0.70 ± 0.14	<0.51 ± 0.11	
				2015/2/2	Sunny	4.6	0.8	7.4	0.0	Grayish yellow	faint sewage	45	77.4	10	6.4	<0.56 ± 0.15	<0.60 ± 0.14	
				2014/5/19	Sunny	24.8	0.8	21.2	0.0	Light grayish yellow	faint sewage	56	43.2	6	2.4	<0.48 ± 0.11	<0.71 ± 0.15	
43	Edogawa River System	Okashiwa River	Sengen Bridge	2014/8/19	Sunny	32.6	1.0	26.7	0.0	Grayish greenish yellow	faint sewage	63	43.9	9	2.1	<0.61 ± 0.13	<0.66 ± 0.16	
				2014/11/28	Cloudy	15.5	0.8	15.9	0.0	Light grayish yellow green	faint sewage	37	46.2	5	2.6	<0.48 ± 0.11	<0.82 ± 0.20	
				2015/2/3	Sunny	7.4	0.7	10.3	0.0	Light grayish greenish yellow	faint sewage	31	49.6	9	4.9	<0.56 ± 0.097	<0.50 ± 0.16	
				2014/5/19	Sunny	22.1	1.7	20.1	0.0	Grayish yellow	faint sewage	>100	44.4	5	1.7	<0.58 ± 0.091	<0.56 ± 0.12	
44	Edogawa River System	Mamagawa River	Mitomae Bridge	2014/8/19	Sunny	32.9	2.0	26.3	0.0	Light grayish yellow	faint sewage	56	39.0	5	1.5	<0.66 ± 0.13	<0.71 ± 0.15	
				2014/11/26	Light rain	8.6	1.8	11.8	0.0	Light grayish yellow green	None	23	20.9	18	7.6	<0.56 ± 0.14	<0.63 ± 0.12	
				2015/2/3	Sunny	2.6	1.7	8.2	0.0	Light grayish greenish yellow	None	47	58.0	4	3.7	<0.42 ± 0.076	<0.62 ± 0.11	
				2014/5/19	Cloudy	22.1	4.0	19.8	0.0	Light grayish reddish yellow	faint sewage	59	187.0	7	2.0	<0.64 ± 0.14	<0.69 ± 0.17	
45	Ebigawa River	Yachiyo Bridge	Funabashi City	2014/6/25	Cloudy	24.3	2.8	23.5	0.0	Light grayish yellow	Medium sewage	31	237.0	13	6.4	<0.66 ± 0.16	<0.78 ± 0.14	
				2014/7/24	Cloudy	32.0	3.5	27.3	0.0	Grayish yellow	faint sewage	49	791.0	7	2.8	<0.67 ± 0.14	<0.55 ± 0.11	
				2014/8/19	Sunny	27.9	4.0	26.3	0.0	Grayish greenish yellow	faint sewage	87	492.0	3	1.7	<0.42 ± 0.079	<0.62 ± 0.12	
				2014/9/19	Sunny	23.3	2.6	23.3	0.0	Dark grayish greenish yellow	faint sewage	86	191.0	3	2.6	<0.58 ± 0.12	<0.51 ± 0.12	
46	Inba Discharge Channel (lower reaches)	Shinhanamigawa Bridge	Chiba City	2014/11/26	Light rain	7.9	3.6	12.6	0.0	Light grayish yellow green	faint sewage	37	80.7	5	5.1	<0.56 ± 0.094	<0.68 ± 0.17	
				2015/2/3	Sunny	2.1	3.9	5.5	0.0	Grayish yellow green	None	78	322.0	3	3.8	<0.55 ± 0.10	<0.74 ± 0.12	
				2014/6/3	Sunny	30.0	1.1	24.3	0.0	Grayish reddish yellow	faint sewage	49	1,346.0	10	4.7	<0.46 ± 0.13	<0.64 ± 0.13	
				2014/8/13	Sunny	30.9	2.9	28.5	0.0	Grayish yellow	faint sewage	74	1,216.0	6	2.7	<0.62 ± 0.12	<0.63 ± 0.12	
47	Miyako River	Miyako Bridge	Chiba City	2014/11/12	Cloudy	15.8	2.7	16.2	0.0	Grayish reddish yellow	faint sewage	93	513.0	2	2.8	<0.86 ± 0.17	<0.79 ± 0.14	
				2015/1/28	Sunny	4.2	1.5	9.7	0.0	Grayish yellow green	faint sewage	73	1,203.0	3	2.7	<0.69 ± 0.12	<0.75 ± 0.13	
				2014/6/3	Sunny	29.1	2.5	27.9	0.0	Grayish yellow	faint sewage	63	1,990.0	6	3.5	<0.66 ± 0.13	<0.68 ± 0.13	
				2014/6/25	Cloudy	25.3	3.0	26.5	0.0	Grayish yellow	faint sewage	46	1,800.0	13	6.8	<0.61 ± 0.13	<0.66 ± 0.16	
48	Miyako River	Miyako Bridge	Chiba City	2014/7/24	Cloudy	32.8	3.5	30.2	0.0	Light grayish yellow	None	58	1,770.0	6	1.1	<0.49 ± 0.11	<0.52 ± 0.096	
				2014/8/13	Sunny	31.6	2.1	29.2	0.0	Grayish yellow	faint sewage	65	1,379.0	9	2.5	<0.75 ± 0.16	<0.72 ± 0.20	
				2014/9/19	Sunny	26.0	2.8	24.0	0.0	Grayish greenish yellow	faint sewage	61	2,670.0	5	5.8	<0.63 ± 0.13	<0.65 ± 0.15	
				2014/11/12	Cloudy	16.6	3.1	16.3	0.0	Dark grayish greenish yellow	faint sewage	68	800.0	6	5.1	<0.91 ± 0.19	<0.74 ± 0.20	
49	Miyako River	Miyako Bridge	Chiba City	2015/1/28	Sunny	8.9	3.1	10.1	0.0	Light grayish greenish yellow	None	43	1,427.0	8	6.3	<0.71 ± 0.14	<0.71 ± 0.16	
				2014/5/15	Cloudy	19.8	4.3	18.8	0.0	Grayish yellow	faint sewage	44	711.0	6	1.1	<0.58 ± 0.11	<0.62 ± 0.12	
				2014/8/15	Sunny	32.5	1.2	27.1	0.0	Grayish greenish yellow	faint sewage	74	478.0	4	1.7	<0.64 ± 0.14	<0.71 ± 0.16	
				2014/11/14	Sunny	16.7	2.1	14.0	0.0	Light grayish yellow green	faint sewage	>100	611.0	2	1.5	<0.68 ± 0.16	<0.51 ± 0.16	
50	Miyako River	Miyako Bridge	Chiba City	2015/1/28	Sunny	8.6	1.7	10.1	0.0	Grayish yellow green	None	62	657.0	4	4.5	<0.51 ± 0.10	<0.56 ± 0.094	

# Chiba River (Sediment) 1/4

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment														Activity concentration [Bq/kg(dry)]			Remarks					
	Water area	Location	Municipality					Sediment temperature (°C)	Sample length (cm)	Color	Odor	General items							Gain size distribution(%)			slimnet conte (%)	Density (g/cm <sup>3</sup> )	Property		Radioactive cesium				
												Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Cs-134	Cs-137					Total				
																											Cs-134		Cs-137	
Cs-134		Cs-137																												
R i v e r	1	Shogin River	Fukama-obashi Bridge	Izumi City/Sakae Town	2014/5/12	Sunny	26.3	1.9	19.9	5	Faint hydrogen sulfide	Medium sewage	0.0	0.0	0.0	0.1	3.0	43.5	28.4	44.3	2.555	Silt	370	±	19	1,000	±	32	1,370	
					2014/8/11	Cloudy	30.7	3.0	27.8	5	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.1	3.7	47.4	17.0	31.8	47.4	2.579	Silt/sand	300	±	15	910	±	27	1,210
					2014/11/10	Sunny	16.5	2.1	17.0	8	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.1	0.2	11.1	46.4	19.8	22.3	48.7	2.585	Silt/sand	270	±	17	680	±	30	1,150
					2015/1/26	Cloudy	8.4	1.8	6.8	8	Faint hydrogen sulfide	Faint metal	0.0	0.0	0.0	0.3	9.3	49.3	18.1	23.0	48.2	2.611	Silt/sand	270	±	14	900	±	26	1,170
					2014/5/12	Cloudy	20.3	1.6	20.1	3	Blackish brown	faint earth	4.6	24.0	3.5	2.1	32.8	17.2	6.5	9.2	75.8	2.690	Gravel/sand	8.2	±	2.5	3.1	±	3.8	39.2
					2014/8/11	Cloudy	30.6	1.3	29.5	1	Faint hydrogen sulfide	None	2.9	23.7	2.8	2.7	44.0	17.6	2.4	4.0	76.1	2.698	Sand/gravel	14	±	2.7	4.3	±	4.4	57
	2	Shinbei Bridge	Izumi City/Sakae Town	2014/11/10	Sunny	19.4	1.1	17.4	3	Dark olive brown	Faint drain	0.0	20.7	6.2	4.1	41.3	16.5	4.8	6.5	79.5	2.718	Sand/gravel	17	±	3.5	4.2	±	4.9	59	
				2015/2/16	Sunny	6.8	1.0	6.0	2	Faint hydrogen sulfide	faint sewage	7.9	30.5	3.2	2.2	30.9	13.5	5.1	6.7	79.9	2.678	Sand/gravel	9.0	±	2.2	2.7	±	3.3	36.6	
				2014/5/12	Cloudy	23.7	0.1	21.2	4	Faint hydrogen sulfide	faint earth	0.0	0.0	0.2	0.3	18.8	63.3	6.1	11.3	70.9	2.628	Sand	41	±	6.5	130	±	8.1	171	
				2014/8/4	Sunny	32.7	0.4	28.3	3	Faint hydrogen sulfide	faint sewage	0.0	0.2	0.6	0.6	22.9	55.7	6.3	13.8	59.2	2.582	Sand/silt	59	±	4.4	170	±	10	229	
				2014/11/10	Sunny	19.2	0.5	17.4	8	Black	Medium sewage	0.0	0.2	0.8	0.9	11.7	43.5	23.3	19.6	47.1	2.572	Sand/silt	99	±	11	270	±	17	369	
				2015/2/16	Sunny	7.0	0.3	6.3	3	Faint hydrogen sulfide	faint sewage	0.0	4.8	0.7	0.4	24.3	60.0	2.7	7.1	66.6	2.651	Sand	38	±	4.5	140	±	8.7	178	
	3	Nagato River	Nagato Bridge	Izumi City/Sakae Town	2014/5/12	Cloudy	23.1	0.3	21.1	5	Faint hydrogen sulfide	faint earth	2.7	5.2	4.2	3.4	37.5	40.5	3.1	3.6	76.9	2.669	Sand/silt	73	±	6.3	190	±	10	263
2014/8/11					Sunny	30.1	0.3	27.6	3	Faint hydrogen sulfide	None	0.0	0.0	0.1	0.3	58.5	37.1	0.3	3.8	76.9	2.801	Sand	43	±	4.1	130	±	7.3	173	
2014/11/10					Sunny	18.8	0.2	17.9	5	Faint hydrogen sulfide	faint sewage	0.0	1.1	0.1	1.0	68.6	26.8	0.1	2.4	80.7	2.711	Sand	45	±	5.2	140	±	8.5	185	
2015/2/16					Sunny	8.6	0.4	6.1	2	Faint hydrogen sulfide	Faint drain	1.4	20.1	4.8	2.9	29.8	31.2	3.3	6.3	66.0	2.662	Sand/gravel	47	±	4.9	160	±	8.8	207	
2014/5/13					Cloudy	19.1	1.3	19.1	6	Faint hydrogen sulfide	faint sewage	0.0	0.4	1.2	1.2	16.0	63.6	7.1	10.5	55.8	2.622	Silt/gravel	73	±	8.3	210	±	14	283	
2014/8/11					Sunny	30.2	1.5	27.4	3	Faint hydrogen sulfide	faint sewage	0.1	0.4	0.5	13.2	53.8	11.2	20.9	54.6	2.584	Silt/sand	58	±	7.4	190	±	11	248		
4	Fujimi Bridge	Sakae Town	2014/11/10	Sunny	19.4	0.9	16.4	5	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.2	0.3	11.7	61.1	13.3	13.3	58.4	2.625	Sand/silt	55	±	7.0	200	±	13	255		
			2015/2/16	Sunny	9.9	1.0	6.9	5	Faint hydrogen sulfide	None	0.0	0.2	0.2	0.4	16.4	64.6	8.0	10.2	59.8	2.628	Sand	58	±	5.7	200	±	11	258		
			2014/5/13	Light rain	17.6	0.1	17.6	2	Faint hydrogen sulfide	None	0.0	13.8	11.3	13.3	54.4	4.8	0.3	2.3	84.5	2.818	Sand/gravel	11	±	2.7	35	±	4.2	46		
			2014/8/12	Cloudy	28.0	0.2	25.4	1	Faint hydrogen sulfide	faint sewage	0.0	2.1	0.9	4.1	66.5	17.1	2.4	6.6	79.6	2.733	Sand	25	±	3.7	64	±	6.1	89		
			2014/11/11	Cloudy	13.5	0.0	14.3	3	Blackish brown	Faint drain	0.0	3.8	4.9	6.2	45.3	34.6	0.4	4.8	76.7	2.754	Sand/gravel	41	±	4.8	120	±	8.3	163		
			2015/1/26	Sunny	12.7	0.1	10.1	2	Blackish brown	None	3.1	17.4	15.0	15.4	35.7	12.0	0.4	1.0	81.6	2.868	Sand/gravel	11	±	2.2	37	±	3.6	48		
5	Nekoma River	Shinkawa Floodgate	Narita City	2014/5/13	Light rain	19.4	0.2	19.2	7	Faint hydrogen sulfide	Dim yellow	0.0	0.0	0.4	1.3	5.1	13.1	45.6	34.6	32.5	2.481	Silt/sand	270	±	21	650	±	34	920	
				2014/8/12	Sunny	28.1	0.3	26.7	7	Faint hydrogen sulfide	No sewage	0.0	0.0	0.3	0.8	1.9	13.1	46.8	37.1	31.3	2.443	Silt	290	±	24	870	±	41	1,160	
				2014/11/11	Cloudy	13.6	0.2	16.6	6	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.5	0.5	1.6	8.5	33.6	35.3	35.0	2.499	Silt	130	±	16	450	±	27	580	
				2015/1/26	Sunny	14.6	0.4	8.6	5	Blackish brown	Medium sewage	0.0	0.1	0.7	1.4	6.0	16.4	42.5	33.1	33.9	2.490	Silt	41	±	8.1	180	±	15	221	
				2014/5/14	Cloudy	18.9	0.1	18.7	5	Faint hydrogen sulfide	Medium sewage	0.0	0.0	0.0	0.1	9.9	57.6	22.3	10.1	44.8	2.508	Silt/sand	1,400	±	39	3,800	±	66	5,200	
				2014/8/14	Cloudy	28.3	0.3	26.5	6	Black	Medium sewage	0.0	0.0	0.0	0.1	30.3	54.5	6.2	9.0	64.0	2.699	Silt/sand	660	±	23	2,000	±	40	2,660	
6	Ohori River	Kitakashiwa Bridge	Kashiwa City	2014/11/13	Sunny	12.1	0.4	15.2	7	Black	faint sewage	0.0	0.0	0.0	0.1	38.6	57.5	0.9	2.9	70.7	2.709	Sand	350	±	14	1,300	±	27	1,550	
				2015/1/29	Sunny	2.6	0.2	7.3	8	Black	Faint drain	0.0	0.0	0.0	0.1	39.6	57.8	0.1	2.5	69.7	2.716	Sand	400	±	16	1,300	±	29	1,700	
				2014/6/3	Sunny	22.9	0.1	16.9	10	Blackish brown	None	0.0	0.7	2.6	11.1	24.4	22.8	20.8	17.6	44.6	2.494	Sand/gravel	290	±	19	830	±	32	1,120	
				2014/8/14	Light rain	28.1	0.1	24.2	3	Blackish brown	None	1.1	6.1	8.7	17.9	51.3	10.7	0.3	4.1	76.2	2.675	Sand	140	±	8.9	470	±	16	610	
				2014/11/13	Sunny	18.1	0.2	16.9	5	Blackish brown	faint sewage	7.3	21.9	6.1	7.5	34.8	13.4	4.6	4.5	68.6	2.656	Sand/gravel	160	±	10	520	±	18	680	
				2015/1/29	Sunny	11.4	0.2	11.1	4	Blackish brown	None	39.4	99.0	8.3	21.8	7.1	2.4	4.5	69.4	2.679	Sand/gravel	110	±	8.2	360	±	15	470		
7	Oou River	Kaminuma Bridge	Kashiwa City	2014/5/14	Cloudy	22.9	0.3	19.9	5	Faint hydrogen sulfide	Medium sewage	0.0	0.0	0.4	0.2	0.8	23.3	61.3	14.1	31.2	2.328	Silt/sand	860	±	41	2,500	±	69	3,360	
				2014/8/14	Light rain	25.2	0.5	25.0	7	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	1.0	28.0	46.8	24.1	28.3	2.718	Silt	940	±	43	2,700	±	75	3,640		
				2014/11/13	Sunny	14.6	0.4	14.1	8	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.0	0.0	9.5	79.5	4.7	6.2	64.7	2.626	Sand	310	±	15	980	±	26	1,290	
				2015/1/29	Sunny	2.7	0.3	6.5	8	Black	faint sewage	0.0	0.0	0.0	0.1	8.2	76.0	3.2	10.4	64.7	2.608	Sand	300	±	13	990	±	28	1,220	
				2014/5/14	Cloudy	25.3	0.8	20.2	5	Black	None	0.0	0.3	1.0	1.0	10.5	61.4	11.7	14.1	61.9	2.578	Sand/silt	390	±	15	910	±	25	1,100	
				2014/8/14	Cloudy	30.9	0.8	26.3	3	Faint hydrogen sulfide	None	0.0	3.6	0.8	1.1	14.0	70.0	1.3	9.2	69.1	2.597	Sand	280	±	14	880	±	24	1,160	
8	Someiotoshi	Someidinhashi Bridge	Kamagaya City	2014/11/13	Sunny	18.4	0.3	16.6	7	Blackish brown	Faint swamp	0.0	0.9	1.4	4.6	45.1	40.5	1.9	5.6	70.9	2.624	Sand	230	±	11	680	±	21	900	
				2015/1/29	Sunny	9.4	0.3	10.0	4	Dim yellowish orange	None	0.0	6.4	2.9	3.5	56.1	45.2	1.6	4.3	70.2	2.649	Sand	190	±	11	600	±	15	790	
				2014/5/14	Cloudy	24.8	0.4	21.8	3	Extremely dark reddish brown	faint sewage	0.6	50.2	22.5	9.1	8.0	2.8	3.0	3.9	67.8	2.565	Gravel/sand	130	±	8.7	310	±	14	440	
				2014/8/14	Cloudy	29.7	0.1	22.0	3	Blackish brown	None	0.0	33.0	23.7	15.9	20.2	3.7	0.8	3.7	73.9	2.651	Gravel/sand	110	±	8.9	330	±	14	440	
				2014/11/13	Sunny	17.8	0.0	16.1	5	Blackish brown	Medium sewage	0.0	49.1	21.2	7.8	18.2	2.0	0.1	1.6											

# Chiba River (Sediment) 2/4

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment														Remarks					
	Water area	Location	Municipality					Sediment temperature (°C)	Sample length (cm)	Color	Odor	General items							Gain size distribution(%)				Activity concentration [Bq/kg(dry)]				
												Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Sediment content (%)	Density (g/cm <sup>3</sup> )		Property	Radioactive cesium			
																								Cs-134	Cs-137	Total	
R i v e r	14	Feeder Rivers of Tegomasa Lake	Kamenari River	Kamenari Bridge	Inzai City	2014/5/30	Sunny	22.5	0.9	22.3	4	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	0.5	10.8	41.7	26.5	20.4	41.1	2.521	Silt/sand	55 ± 10	210 ± 17	265
						2014/8/14	Cloudy	26.5	0.6	24.0	6	Faint hydrogen sulfide	faint sewage	0.0	30.4	0.2	0.7	10.4	31.2	30.4	26.4	39.6	2.480	Silt/sand	110 ± 13	280 ± 21	390
						2014/11/12	Light rain	11.1	0.4	12.8	3	Black	Medium drain	0.0	9.6	4.3	2.3	46.8	28.1	1.2	7.5	74.3	2.730	Sand	110 ± 4.5	300 ± 11	410
						2015/1/26	Cloudy	10.8	0.4	9.8	2	Faint hydrogen sulfide	Dirt yellow	0.0	0.3	1.6	1.4	27.5	41.3	9.1	18.9	47.3	2.607	Sand/silt	99 ± 9.1	320 ± 16	419
						2014/5/15	Light rain	17.6	0.1	19.2	3	Black	Medium sewage	1.0	5.5	3.7	12.1	28.3	11.2	26.7	11.6	52.5	2.529	Gravel/sand	570 ± 22	1,800 ± 36	2,070
	15	Ipassuino Channel	Downstream of Ipassuino Channel	Kamugaya City	2014/8/15	Sunny	30.4	0.0	27.1	3	Faint hydrogen sulfide	Medium drain	0.0	26.1	18.7	12.8	32.7	7.2	0.4	2.2	76.8	2.743	Sand/gravel	270 ± 12	790 ± 20	1,060	
					2014/11/14	Sunny	10.3	0.2	13.9	3	Faint hydrogen sulfide	faint sewage	0.0	52.2	26.0	4.7	12.2	3.0	0.6	1.1	84.4	2.933	Sand/gravel	180 ± 8.8	560 ± 16	740	
					2015/2/17	Light snow	2.6	0.0	6.8	5	Faint hydrogen sulfide	faint sewage	4.9	37.1	15.8	9.4	21.4	6.2	2.4	2.9	70.6	2.753	Sand/gravel	170 ± 7.6	580 ± 14	750	
					2014/6/3	Sunny	26.1	0.1	22.0	2	Blackish brown	faint earth	1.1	7.4	2.8	4.1	63.2	17.5	0.7	3.3	77.2	2.657	Sand/gravel	190 ± 10	540 ± 17	730	
					2014/8/15	Sunny	30.0	0.3	26.2	5	Blackish brown	None	0.0	0.0	0.6	4.9	75.8	14.5	0.2	4.0	75.6	2.658	Sand	150 ± 9.2	490 ± 16	640	
	16	Futae River	Tomigaya Bridge	Funabashi City Shirai City	2014/11/14	Sunny	13.8	0.3	11.9	5	Olive black	None	0.0	0.0	0.5	7.4	79.5	10.4	0.8	1.5	79.4	2.645	Sand	130 ± 7.2	470 ± 13	600	
					2015/1/30	Light rain	2.6	0.2	8.5	3	Olive brown	None	0.0	0.5	0.7	3.6	83.1	8.3	0.3	3.1	80.5	2.619	Sand	96 ± 7.2	360 ± 13	456	
					2014/5/30	Sunny	25.9	1.5	23.5	6	Faint hydrogen sulfide	None	0.0	0.0	0.1	0.3	13.3	71.8	7.6	7.0	63.6	2.561	Sand/silt	210 ± 12	640 ± 21	850	
					2014/8/27	Cloudy	21.3	2.0	23.2	3	Blackish brown	faint sewage	0.0	0.3	4.4	6.9	25.5	41.8	7.5	13.7	57.1	2.565	Sand	130 ± 9.7	420 ± 17	550	
					2014/11/28	Cloudy	14.8	1.5	12.2	3	Blackish brown	faint sewage	0.0	0.1	0.8	2.1	27.6	64.1	2.7	2.6	73.9	2.598	Sand	98 ± 8.4	360 ± 15	458	
	17	Kanzaki River	Kanzaki Bridge	Yachiyo City Inzai City	2015/1/30	Light rain	2.3	1.9	6.8	3	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	0.0	2.9	92.6	1.0	3.5	74.3	2.612	Sand	69 ± 6.4	240 ± 12	309	
					2014/5/30	Sunny	25.2	1.0	22.9	3	Black	faint sewage	0.0	0.0	0.4	1.6	52.2	17.5	7.6	20.8	55.7	2.528	Sand/clay	85 ± 8.7	180 ± 13	265	
					2014/8/27	Cloudy	23.1	0.8	22.4	6	Blackish brown	None	0.0	0.0	0.1	0.0	3.4	77.8	4.3	14.5	56.7	2.592	Sand/silt	160 ± 10	460 ± 17	620	
					2014/11/28	Sunny	15.8	0.5	13.0	5	Black	Medium swamp	0.0	3.7	0.5	0.8	11.0	48.4	16.4	19.2	52.3	2.532	Silt	160 ± 13	480 ± 22	640	
					2015/1/27	Sunny	15.3	0.8	10.8	7	Blackish brown	Faint drain	0.0	0.0	0.3	0.5	5.7	56.3	18.9	18.4	40.8	2.512	Silt	140 ± 14	400 ± 24	540	
	18	Kanno River	Kanno Bridge	Yachiyo City	2014/5/30	Sunny	27.0	3.2	19.7	6	Black	faint sewage	0.0	0.0	0.0	0.3	8.0	36.1	30.6	25.0	35.2	2.450	Silt/sand	350 ± 23	870 ± 36	1,220	
					2014/8/27	Cloudy	22.7	4.1	25.3	8	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	0.1	2.4	17.5	42.5	37.4	28.4	2.372	Silt	320 ± 23	900 ± 38	1,220	
					2014/11/28	Sunny	16.0	3.6	13.3	8	Black	Faint swamp	0.0	0.0	0.1	0.4	7.0	33.4	39.9	19.2	48.3	2.446	Silt	260 ± 17	790 ± 30	1,050	
					2015/1/27	Sunny	14.6	2.8	9.6	4	Faint hydrogen sulfide	Faint swamp	13.3	14.4	3.6	2.5	16.2	33.5	4.6	12.0	62.6	2.592	Sand	72 ± 8.0	280 ± 15	352	
					2014/5/16	Sunny	21.0	0.7	17.4	3	Blackish brown	faint sewage	0.0	3.8	8.9	11.8	54.6	10.1	4.3	4.5	76.5	2.663	Sand/gravel	320 ± 13	930 ± 22	1,250	
	19	Ina Discharge Channel (upper reaches)	Yachiyo Bridge	Sakura City	2014/8/12	Cloudy	26.4	0.6	25.6	3	Blackish brown	None	0.0	7.8	14.0	22.9	47.4	4.1	0.0	3.3	76.0	2.689	Sand/gravel	250 ± 16	750 ± 20	1,000	
					2014/11/11	Cloudy	14.0	0.4	14.9	4	Blackish brown	None	1.6	10.8	12.4	16.8	31.6	5.0	0.1	1.8	80.1	2.729	Sand/gravel	170 ± 9.2	590 ± 17	760	
					2015/1/27	Sunny	16.6	0.4	10.9	3	Blackish brown	None	0.0	3.1	4.4	9.2	72.2	8.9	0.7	1.5	79.1	2.665	Sand/gravel	230 ± 11	780 ± 20	1,000	
					2014/5/13	Cloudy	22.2	1.2	18.8	3	Faint hydrogen sulfide	Dirt yellow	0.0	2.6	0.2	0.6	9.9	67.2	6.1	13.4	58.5	2.595	Silt	140 ± 11	400 ± 18	540	
					2014/8/12	Cloudy	26.1	1.2	25.8	5	Blackish brown	faint sewage	0.0	0.0	0.7	0.8	7.7	35.5	29.3	26.0	34.9	2.483	Silt	110 ± 15	310 ± 23	420	
	20	Feeder rivers of Lake Inabumaki	Teguri River	Mauneki Bridge	Sakura City	2014/11/11	Cloudy	15.7	0.9	15.8	8	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.4	0.4	8.4	54.6	11.5	24.7	41.4	2.578	Silt	54 ± 9.5	180 ± 16	234
						2015/1/27	Sunny	13.8	1.1	9.5	6	Faint hydrogen sulfide	None	0.0	6.8	0.9	0.7	8.7	56.0	11.0	15.9	50.6	2.602	Sand	98 ± 10	310 ± 18	408
						2014/5/16	Sunny	22.8	0.3	20.9	3	Blackish brown	faint sewage	0.0	0.0	0.1	0.6	30.9	64.5	0.0	4.0	74.7	2.679	Sand	47 ± 5.8	120 ± 8.2	167
						2014/8/13	Sunny	31.0	0.5	23.5	4	Blackish brown	faint sewage	0.0	0.0	0.9	3.0	21.3	61.1	5.5	8.1	68.3	2.609	Sand	41 ± 6.3	140 ± 10	181
						2014/11/12	Cloudy	13.2	0.5	14.8	4	Faint hydrogen sulfide	Faint drain	0.0	0.2	0.2	0.5	17.0	78.2	1.5	2.4	75.5	2.696	Sand	32 ± 3.7	94 ± 6.2	126
	21	Moroto River	Moroto Bridge	Inzai City	2015/1/28	Sunny	6.9	0.4	9.8	5	Dark olive brown	Faint drain	0.0	0.0	0.0	0.3	18.5	75.7	2.1	3.3	71.9	2.621	Silt	33 ± 3.8	120 ± 7.5	153	
					2014/5/16	Sunny	23.6	0.4	23.1	2	Dark brown	faint sewage	0.0	1.3	3.8	15.2	69.0	4.2	2.1	4.5	71.0	2.611	Sand/clay	47 ± 5.8	110 ± 8.6	157	
					2014/8/13	Sunny	25.5	0.5	25.2	5	Blackish brown	faint sewage	0.0	0.0	0.0	0.3	27.2	41.2	15.0	16.3	51.4	2.633	Sand/silt	100 ± 11	280 ± 17	380	
					2014/11/12	Light rain	13.5	0.8	14.8	4	Faint hydrogen sulfide	Medium drain	0.0	0.0	0.5	2.5	62.8	25.5	2.1	6.8	71.3	2.657	Sand/silt	35 ± 4.1	120 ± 7.0	155	
					2015/1/27	Light rain	10.2	1.0	10.4	6	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.5	38.4	44.4	8.6	8.3	54.7	2.605	Sand/silt	52 ± 8.2	180 ± 13	232	
	22	Kashima River	Iwatomi Bridge	Sakura City	2014/5/16	Sunny	23.0	3.3	19.2	11	Blackish brown	faint sewage	0.0	9.6	3.9	6.5	38.0	31.6	4.2	6.3	71.2	2.638	Gravel/sand	41 ± 5.2	91 ± 7.7	132	
					2014/8/12	Light rain	26.8	2.4	25.6	2	Black	faint sewage	0.0	1.1	3.1	4.0	35.2	44.6	5.9	6.2	69.8	2.669	Sand	42 ± 5.2	97 ± 8.4	139	
					2014/11/11	Cloudy	13.8	2.9	14.6	5	Faint hydrogen sulfide	Faint drain	0.0	1.1	3.9	12.8	54.6	19.1	0.9	7.7	72.7	2.624	Sand/gravel	23 ± 4.4	97 ± 8.0	120	
					2015/1/27	Cloudy	9.3	2.8	10.3	4	Faint hydrogen sulfide	Dirt yellow	0.0	0.0	1.2	0.5	12.4	22.9	35.5	27.3	40.1	2.520	Silt/sand	26 ± 7.0	100 ± 12	126	
					2014/5/13	Cloudy	19.7	2.1	19.9	4	Blackish brown	faint earth	0.0	0.7	2.4	1.8	29.3	36.6	9.9	17.4	63.2	2.636	Silt/sand	19 ± 4.4	80 ± 7.8	99	
	23	Takasaki River	Ryuto Bridge	Sakura City	2014/8/12	Cloudy	28.9	2.3	27.2	3	Faint hydrogen sulfide	None	0.0	6.6	3.5	2.5	23.4	23.6	13.2	27.3	54.6	2.619	Sand/gravel	11 ± 3.4	47 ± 5.3	58	
					2014/11/11	Cloudy	19.8	2.2	16.0	3	Blackish brown	Faint drain	0.0	1.5	0.9	1.8	76.3	16.3	0.8	2.4	79.0	2.699	Sand/gravel	31 ± 4.2	94 ± 7.2	125	
					2015/2/17	Cloudy	4.7	2.5	6.5	3	Grayish olive	None	0.0	3.5	1.6	0.9	19.3	20.4	21.0	33.3	49.9	2.661	Clay/sand	17 ± 3.8	53 ± 5.9	70	
					2014/5/20	Cloudy	23.5	0.1	20.9	7	Black	faint sewage	0.0	1.6	4.0	7.5	33.7	45.9	23.5	4.9	70.8	2.598	Sand	260 ± 11	720 ± 18	980	
					2014/8/18	Cloudy	23.9	0.3	25.2	7	Faint hydrogen sulfide	Medium drain	0.0	1.9	6.9	10.3	22.2	26.1	15.3	17.3	55.8	2.518	Sand/silt	370 ± 20	1,700 ± 32	2,070	
	24	Kashima River	Kashima Bridge	Inzai City	2014/11/25	Light rain	12.4	0.2	13.1	4	Black	Faint drain	0.0	0.9	1.3	1.0	6.2	34.0	34.8								

# Chiba River (Sediment) 3/4

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment													Remarks					
	Water area	Location	Municipality					Sediment temperature (°C)	Sample length (cm)	Color	Odor	General items							Activity concentration [Bq/kg(dry)]							
												Coarse gravel	Medium gravel	Fine gravel	Grain size distribution(%)			Silt	Clay	Sediment content (%)		Density (g/cm <sup>3</sup> )	Property	Radioactive cesium		
															Coarse sand	Medium sand	Fine sand							Cs-134	Cs-137	Total
R i v e r s y s t e m	Edogawa River	Nagayama Bridge	Nagayama City /Mitsuo City	2014/5/20	Cloudy	25.0	0.2	19.8	4	Faint hydrogen sulfide	faint sewage	0.0	0.8	1.2	0.1	2.2	81.4	6.9	7.4	64.9	2.727	Sand	56 ± 5.6	160 ± 9.1	216	
				2014/8/18	Cloudy	28.1	0.4	24.9	9	Faint hydrogen sulfide	faint sewage	0.0	2.7	1.5	0.5	1.3	56.0	25.7	12.9	58.8	2.631	Sand/silt	45 ± 5.5	110 ± 8.5	155	
				2014/11/28	Light rain	12.5	0.4	11.7	3	Blackish brown	Faint swamp	0.0	5.8	1.1	0.5	5.6	57.4	19.1	10.1	64.5	2.684	Sand/silt	45 ± 5.0	130 ± 8.4	175	
				2015/2/6	Sunny	6.4	0.2	5.2	8	Black	None	0.0	2.1	1.1	1.1	14.1	56.5	11.9	13.2	55.8	2.687	Sand/silt	52 ± 7.4	240 ± 14	292	
	28	Sakagawa River	Benten Bridge	Matsudo City	2014/5/20	Sunny	26.9	1.7	21.5	3	Black	Din yellow	0.0	0.1	1.3	2.1	28.4	56.3	4.4	7.4	51.4	2.659	Sand/silt	840 ± 24	2,400 ± 41	3,240
					2014/8/18	Sunny	32.3	2.1	26.5	3	Faint hydrogen sulfide	faint sewage	0.0	1.2	0.9	2.4	32.1	50.3	3.5	9.6	61.0	2.643	Sand/silt	500 ± 17	1,500 ± 29	2,000
					2014/11/25	Light rain	12.6	2.2	12.7	5	Faint hydrogen sulfide	faint sewage	0.0	1.5	1.2	2.4	23.3	51.5	12.8	7.4	62.6	2.593	Sand	440 ± 16	1,400 ± 29	1,840
					2015/2/6	Sunny	11.4	2.4	6.5	4	Black	None	0.0	0.8	1.5	3.5	36.3	50.0	3.8	4.2	69.6	2.659	Sand	270 ± 13	990 ± 25	1,260
	29	Shinsaka River	Sakane Bridge	Matsudo City	2014/5/20	Sunny	27.3	0.5	23.5	1	Faint hydrogen sulfide	faint sewage	0.6	11.9	6.9	5.0	47.1	24.2	0.0	4.3	76.2	2.666	Gravel/sand	260 ± 10	730 ± 17	990
					2014/8/18	Sunny	34.2	0.6	29.8	4	Faint hydrogen sulfide	faint sewage	0.0	2.7	4.4	71.2	17.2	0.6	3.9	74.0	2.683	Sand/gravel	330 ± 12	1,000 ± 21	1,330	
					2014/11/25	Light rain	10.8	0.8	12.6	2	Faint hydrogen sulfide	faint sewage	0.0	10.7	4.0	4.4	49.4	18.8	5.5	7.2	78.8	2.719	Sand	250 ± 10	850 ± 19	1,100
					2015/2/6	Sunny	11.7	0.6	9.3	4	Faint hydrogen sulfide	faint sewage	1.4	8.5	4.7	3.6	59.8	18.6	1.7	1.8	76.1	2.731	Sand	270 ± 12	930 ± 22	1,200
	30	Shinkanshuka Bridge	Matsudo City /Katsushika City	Matsudo City	2014/5/26	Sunny	22.8	0.3	19.7	7	Faint hydrogen sulfide	Faint metal	0.0	3.8	1.6	2.1	3.3	21.1	38.1	30.0	46.8	2.557	Sand/silt	160 ± 11	470 ± 19	630
					2014/8/20	Sunny	28.1	0.6	27.9	5	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.2	0.2	0.5	13.0	51.9	34.2	43.4	2.488	Silt	150 ± 12	520 ± 21	670
					2014/11/17	Cloudy	8.9	0.5	12.6	7	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.1	0.4	1.3	15.6	52.9	29.8	42.8	2.553	Silt/sand	130 ± 11	440 ± 20	570
					2015/2/9	Cloudy	3.8	0.3	6.3	8	Faint hydrogen sulfide	None	0.0	0.0	0.5	0.9	1.4	19.3	51.2	26.6	42.5	2.534	Silt	130 ± 13	360 ± 22	490
	31	Ihikawa Bridge	Ihikawa City	Ihikawa City /Edogawa City	2014/5/26	Sunny	21.4	0.3	20.1	2	Olive brown	None	0.0	30.4	0.2	16.0	36.7	14.7	0.2	1.8	80.9	2.776	Gravel/sand	21 ± 2.9	71 ± 5.0	92
					2014/8/20	Sunny	29.4	0.3	28.9	4	Dark brown	faint sewage	1.9	26.5	2.6	1.6	52.9	12.2	0.2	2.2	74.9	2.747	Sand/gravel	89 ± 4.9	160 ± 7.8	219
					2014/11/17	Cloudy	11.8	0.8	12.9	2	Faint hydrogen sulfide	Faint swamp	0.0	14.4	2.4	1.6	88.2	16.0	2.1	5.2	78.7	2.723	Sand/gravel	41 ± 4.2	130 ± 7.0	171
					2015/2/9	Sunny	3.2	0.4	5.6	14	Blackish brown	Faint clam	6.2	28.3	2.0	1.3	49.9	10.3	0.3	1.8	83.5	2.789	Sand/gravel	22 ± 3.5	92 ± 7.0	114
	32	Edogawa River	Vicinity of Kaiyo Road	Ihikawa City	2014/5/21	Sunny	16.9	2.6	19.8	4	Faint hydrogen sulfide	Faint metal	0.0	0.0	0.0	0.3	26.4	60.4	5.7	7.3	65.9	2.676	Sand	65 ± 5.6	170 ± 9.2	235
					2014/8/21	Cloudy	28.9	3.7	27.4	7	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.2	15.0	68.0	6.1	10.8	69.2	2.632	Sand	50 ± 4.8	130 ± 8.0	180
					2014/11/18	Sunny	12.3	3.5	12.6	4	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.0	0.1	23.5	64.7	3.1	8.6	73.4	2.720	Sand	28 ± 4.6	65 ± 6.4	93
					2015/2/10	Sunny	0.3	4.3	4.5	3	Faint hydrogen sulfide	Faint earth	0.0	0.0	0.1	0.1	21.9	70.7	2.9	4.4	68.3	2.686	Sand	32 ± 4.7	110 ± 8.7	142
	33	Edogawa River	Oyotoku Mizuaki West (upper reaches)	Ihikawa City	2014/5/21	Sunny	16.3	4.8	18.2	7	Black	Din yellow	0.0	0.0	0.0	0.1	7.2	32.5	31.6	28.7	51.4	2.600	Silt	150 ± 11	370 ± 16	520
					2014/6/25	Cloudy	21.4	2.8	21.0	5	Faint hydrogen sulfide	None	0.0	0.1	0.1	0.2	25.5	38.2	17.3	18.5	37.0	2.618	Silt	110 ± 9.9	280 ± 15	390
					2014/7/24	Cloudy	27.6	3.2	23.3	2	Faint hydrogen sulfide	Din yellow	0.0	0.0	0.0	0.2	22.6	36.3	14.6	26.2	51.8	2.602	Silt/sand	130 ± 11	370 ± 19	500
					2014/8/21	Cloudy	28.5	4.2	26.5	7	Faint hydrogen sulfide	faint sewage	0.0	0.1	1.0	31.7	25.6	18.9	22.8	53.0	2.600	Silt/sand	110 ± 8.4	290 ± 14	400	
	34	Shingyotokubashi Bridge	Ihikawa City	Ihikawa City	2014/9/19	Sunny	21.2	4.1	22.5	8	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.1	13.1	24.8	26.7	35.3	42.5	2.563	Silt	190 ± 15	490 ± 25	680
					2014/11/18	Sunny	13.2	5.1	13.0	8	Black	faint sewage	0.0	0.0	0.1	0.0	9.6	42.6	19.2	28.3	47.8	2.590	Silt/sand	120 ± 11	420 ± 22	540
					2015/2/10	Sunny	2.0	4.8	5.4	6	Blackish brown	None	0.0	0.0	0.0	0.3	16.4	23.7	29.2	30.4	46.1	2.561	Silt	110 ± 12	380 ± 21	490
					2014/5/26	Sunny	23.4	0.3	22.3	4	Olive brown	Faint clam	0.0	10.5	5.0	3.5	27.2	46.4	3.3	8.1	74.7	2.724	Sand	<7.0 ± 2.1	16 ± 3.1	16
	35	Edogawa Floodgate, down	Ihikawa City	Ihikawa City /Edogawa City	2014/8/20	Sunny	32.4	0.4	32.4	4	Faint hydrogen sulfide	None	5.9	10.8	2.2	1.2	14.8	39.6	13.0	12.4	66.1	2.630	Sand/silt	<7.7 ± 2.1	11 ± 2.1	11
					2014/11/17	Cloudy	13.5	0.3	13.9	2	Faint hydrogen sulfide	faint sewage	0.0	6.5	4.0	1.2	23.2	47.6	7.8	9.7	76.6	2.692	Sand/silt	7.8 ± 2.1	15 ± 2.6	22.8
					2015/2/9	Sunny	0.2	0.2	5.7	3	Faint hydrogen sulfide	None	0.6	12.3	5.9	1.6	27.9	44.2	1.9	5.8	79.4	2.708	Sand	<8.4 ± 2.1	16 ± 3.2	16
					2014/5/21	Light rain	17.6	6.1	19.9	2	Blackish brown	None	0.0	0.0	0.1	0.8	73.3	21.8	0.1	1.9	75.5	2.696	Sand	<9.0 ± 2.9	38 ± 4.2	38
	36	Kyo-Edogawa River	8 km Point to the estuary	Ihikawa City	2014/8/21	Cloudy	28.2	4.9	27.8	4	Blackish brown	None	0.0	0.4	0.0	0.6	73.8	22.1	0.1	2.9	75.3	2.708	Sand	9.3 ± 2.6	42 ± 4.3	51.3
					2014/11/18	Sunny	13.4	5.0	14.5	3	Blackish brown	None	0.0	0.0	0.1	0.2	61.6	33.7	0.4	4.0	73.3	2.751	Sand	<9.2 ± 3.0	31 ± 4.7	31
					2015/2/10	Sunny	3.4	7.2	7.5	2	Blackish brown	None	0.0	0.0	0.1	0.5	49.0	17.7	19.1	13.7	71.6	2.720	Sand/clay	11 ± 3.6	39 ± 5.4	50
					2014/5/21	Light rain	17.7	3.0	20.5	5	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.1	7.1	64.0	10.1	18.7	26.0	2.632	Sand/silt	100 ± 8.0	290 ± 15	390
2014/8/21	Cloudy	28.2	3.5	27.7	5	Faint hydrogen sulfide	None	0.0	0.5	0.2	0.3	8.6	68.0	10.0	12.5	64.8	2.682	Sand/silt	29 ± 4.3	110 ± 7.3	139					
	2014/11/18	Sunny	14.4	4.8	16.5	3	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.1	29.2	62.5	3.2	5.0	77.1	2.797	Sand	<8.8 ± 2.9	30 ± 4.7	30				
2015/2/10	Sunny	3.0	3.5	7.9	6	Faint hydrogen sulfide	Faint drain	0.0	1.0	0.2	0.1	1.2	29.0	41.7	26.9	51.5	2.582	Silt	58 ± 9.9	310 ± 18	368					



# Chiba River (Sediment) 4/4

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment													Remarks				
	Water area	Location	Municipality					Sediment temperature (°C)	Sample length (cm)	Color	Odor	General items							Activity concentration [Bq/kg(dry)]						
												Coarse gravel	Medium gravel	Fine gravel	Grain size distribution(%)			Silt	Clay	slmment conte (%)		Density (g/cm <sup>3</sup> )	Property	Radioactive cesium	
															Coarse sand	Medium sand	Fine sand							Cs-134	Cs-137
37	Kyu-Edogawa River	Inai Bridge	Chikawa City /Edogawa City	2014/5/21	Light rain	17.7	4.1	20.6	2	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.3	1.2	71.0	20.9	1.4	5.2	76.1	2.743	Sand	18 ± 3.1	49 ± 4.4	67
				2014/8/21	Cloudy	29.0	4.2	27.4	4	Blackish brown	None	0.0	0.0	0.5	1.1	76.9	17.8	0.5	3.2	76.6	2.761	Sand	9.8 ± 2.2	27 ± 3.6	36.8
				2014/11/18	Sunny	14.9	5.3	16.7	3	Faint hydrogen sulfide	faint sewage	0.0	0.4	0.1	0.5	71.1	23.4	0.6	3.9	77.3	2.805	Sand	46.2 ± 3.0	149 ± 3.3	31
				2015/2/10	Sunny	3.9	6.7	8.5	2	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.2	1.5	48.1	29.9	8.9	11.3	77.9	2.514	Sand/clay	17 ± 3.6	37 ± 4.8	54
				2014/5/22	Sunny	23.4	1.6	20.7	7	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.2	0.1	0.2	2.8	65.4	31.4	36.0	2.415	Silt	220 ± 16	700 ± 27	920
				2014/6/25	Sunny	24.7	0.9	21.9	8	Faint hydrogen sulfide	Medium sewage	0.0	0.0	0.4	0.2	0.3	5.8	54.3	39.0	33.1	2.514	Silt	190 ± 19	650 ± 34	840
				2014/7/24	Cloudy	23.1	5.0	24.1	5	Dark olive brown	faint sewage	0.0	0.0	0.1	0.1	1.8	51.1	46.9	34.1	2.449	Silt	190 ± 18	490 ± 29	680	
				2014/8/22	Sunny	29.0	0.8	27.9	6	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	0.2	0.4	1.7	99.3	38.5	40.3	2.466	Silt	150 ± 12	440 ± 21	590
				2014/9/19	Sunny	23.8	1.5	22.2	4	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.2	0.3	3.3	55.3	40.6	34.6	2.441	Silt	160 ± 16	490 ± 28	650	
				2014/11/19	Sunny	7.6	0.9	15.2	6	Greenish black	Dim yellow	0.0	0.6	0.6	0.4	0.4	8.0	51.6	38.4	39.5	2.528	Silt	170 ± 14	590 ± 24	790
				2015/2/9	Cloudy	0.2	2.2	8.2	5	Faint hydrogen sulfide	faint sewage	0.0	0.7	0.5	0.5	0.4	10.2	51.0	36.8	37.8	2.520	Silt	170 ± 16	530 ± 28	700
				2014/5/19	Sunny	26.1	0.8	21.5	11	Faint hydrogen sulfide	faint sewage	0.0	8.2	8.1	6.2	53.0	25.8	0.6	3.1	78.5	2.644	Gravel/sand	79 ± 6.5	200 ± 40	279
				2014/8/27	Cloudy	23.0	0.5	28.3	3	Faint hydrogen sulfide	Medium sewage	0.0	0.0	0.4	1.5	44.5	46.5	0.4	6.2	74.8	2.637	Sand	85 ± 6.0	250 ± 11	335
				2014/11/26	Light rain	8.4	1.1	11.3	3	Faint hydrogen sulfide	faint sewage	0.0	1.1	0.7	3.1	53.5	35.0	3.2	3.3	76.5	2.680	Sand	60 ± 8.6	200 ± 10	260
				2015/2/3	Sunny	7.7	5.1	5.1	3	Black	None	0.0	0.5	1.7	5.7	60.5	29.9	0.0	1.6	78.8	2.662	Sand	55 ± 4.9	200 ± 9.2	255
				2014/5/19	Sunny	26.3	0.8	20.8	2	Faint hydrogen sulfide	faint sewage	0.0	0.7	2.3	7.5	66.8	16.9	1.0	4.8	73.3	2.589	Sand/gravel	140 ± 9.3	380 ± 15	520
				2014/8/19	Sunny	22.6	1.2	29.4	2	Black	Dim yellow	0.0	0.3	2.2	3.8	65.1	22.6	0.4	5.6	74.0	2.658	Sand	130 ± 6.6	400 ± 15	530
				2014/11/26	Light rain	8.4	1.5	11.4	2	Black	faint sewage	0.0	2.1	2.8	7.8	72.4	10.5	1.2	3.2	76.3	2.672	Sand	96 ± 9.7	310 ± 13	406
				2015/2/2	Sunny	4.2	1.2	7.9	2	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.6	2.6	64.3	25.1	0.3	7.1	74.0	2.683	Sand	100 ± 7.7	330 ± 14	430
				2014/5/19	Sunny	28.6	0.4	22.0	5	Black	Medium sewage	0.0	0.0	0.5	1.5	43.5	48.7	0.1	5.8	70.7	2.647	Sand	76 ± 7.1	230 ± 12	306
2014/8/19	Sunny	33.7	1.0	30.4	3	Dark gray	faint sewage	0.0	0.1	0.6	2.6	41.7	50.8	0.4	3.9	74.6	2.671	Sand	81 ± 6.6	240 ± 12	321				
2014/11/26	Light rain	8.8	0.8	11.5	3	Black	Faint drain	0.0	0.2	0.6	1.5	37.0	50.6	3.5	6.7	74.3	2.654	Sand	66 ± 8.3	220 ± 9.3	286				
2015/2/2	Sunny	4.6	0.8	7.9	4	Faint hydrogen sulfide	faint sewage	0.0	0.1	0.7	1.8	45.3	48.0	0.3	3.8	71.9	2.634	Sand	67 ± 6.8	210 ± 12	277				
2014/5/19	Sunny	24.8	0.8	19.5	8	Faint hydrogen sulfide	faint sewage	0.0	0.4	0.2	1.1	35.7	41.8	8.2	12.6	43.6	2.486	Sand/silt	83 ± 7.9	240 ± 13	323				
2014/8/19	Sunny	32.6	1.0	25.9	3	Blackish brown	faint sewage	0.0	3.8	1.0	1.3	26.3	48.6	2.7	16.4	49.3	2.534	Sand/gravel	45 ± 8.3	170 ± 14	215				
2014/11/26	Cloudy	15.3	0.8	15.9	3	Black	None	0.0	7.9	1.5	1.5	24.8	40.5	9.8	14.0	44.9	2.497	Sand	44 ± 2.4	42 ± 3.5	56				
2015/2/3	Sunny	7.4	0.7	10.2	5	Black	Faint swamp	0.0	1.3	0.9	1.0	32.5	48.0	6.0	10.5	49.4	2.580	Sand	37 ± 7.1	220 ± 13	277				
2014/5/19	Sunny	22.1	1.7	22.2	2	Faint hydrogen sulfide	faint sewage	0.0	11.4	10.8	12.2	85.0	6.9	1.3	2.5	81.6	2.688	Gravel/sand	45 ± 4.8	130 ± 8.0	175				
2014/8/19	Sunny	32.9	2.0	27.1	3	Faint hydrogen sulfide	faint sewage	0.0	4.0	3.7	4.4	65.6	18.8	0.4	3.2	73.0	2.698	Sand	61 ± 6.6	190 ± 11	251				
2014/11/26	Light rain	8.6	1.8	11.9	1	Faint hydrogen sulfide	None	0.0	10.5	6.0	6.5	63.7	9.8	0.3	3.4	78.1	2.703	Sand	36 ± 3.8	120 ± 6.6	156				
2015/2/3	Sunny	2.6	1.7	8.5	3	Black	faint sewage	0.0	37.3	14.4	4.5	32.0	7.4	0.4	0.7	85.1	2.720	Sand	34 ± 3.5	110 ± 6.1	144				
2014/5/19	Cloudy	22.1	4.0	19.8	3	Black	Dim yellow	0.0	0.0	0.5	0.4	2.4	21.8	46.1	28.8	49.1	2.581	Silt/sand	65 ± 8.8	230 ± 16	295				
2014/6/25	Cloudy	24.3	2.8	22.3	3	Black	Stoop hydrogen sulfide	0.0	0.0	0.0	0.2	6.7	23.4	38.6	31.1	32.0	2.409	Silt	270 ± 19	790 ± 32	1060				
2014/7/24	Cloudy	32.0	3.5	24.5	6	Black	Medium hydrogen sulfide	0.0	0.0	1.9	0.2	8.8	35.7	25.9	27.6	41.8	2.550	Silt/sand	180 ± 16	550 ± 27	730				
2014/8/19	Sunny	27.9	4.0	27.1	7	Black	Stoop hydrogen sulfide	0.0	0.0	0.3	0.4	9.9	50.8	20.6	18.1	44.6	2.523	Silt	84 ± 11	230 ± 17	314				
2014/9/19	Sunny	23.3	2.6	24.0	5	Black	Stoop hydrogen sulfide	0.0	2.6	1.1	0.0	5.1	35.0	31.7	24.2	38.6	2.340	Silt	91 ± 13	320 ± 22	414				
2014/11/26	Light rain	7.9	3.6	15.4	5	Black	Stoop hydrogen sulfide	0.0	0.0	0.0	0.1	5.1	48.4	22.3	24.1	48.5	2.552	Silt	160 ± 11	510 ± 20	670				
2015/2/3	Sunny	2.1	3.9	8.8	6	Black	Medium hydrogen sulfide	0.0	0.0	0.0	0.4	22.5	48.6	11.6	16.9	45.0	2.576	Sand/silt	120 ± 10	340 ± 17	440				
2014/6/3	Sunny	30.0	1.1	23.8	3	Black	Medium hydrogen sulfide	0.0	0.0	0.0	0.0	48.4	47.1	0.3	4.2	75.5	2.664	Silt/sand	25 ± 4.1	83 ± 7.0	108				
2014/8/13	Sunny	30.9	2.9	28.1	2	Black	Medium sewage	0.0	0.1	0.2	0.6	51.7	42.8	0.7	4.1	65.9	2.665	Sand	37 ± 5.3	130 ± 9.7	167				
2014/11/12	Cloudy	15.8	2.7	19.1	5	Black	Stoop hydrogen sulfide	0.0	0.0	0.0	0.1	14.6	75.8	2.0	7.6	67.1	2.715	Sand	45 ± 4.9	170 ± 8.7	213				
2015/1/28	Sunny	4.2	1.5	9.6	2	Black	faint sewage	0.0	0.2	0.2	0.3	56.6	40.5	0.7	1.6	80.2	2.711	Sand	10 ± 2.4	42 ± 3.4	52				
2014/6/3	Sunny	29.1	2.5	24.3	4	Black	Dim yellow	0.0	0.5	0.2	0.4	21.2	68.0	1.8	8.1	69.4	2.659	Sand/silt	89 ± 7.6	240 ± 12	329				
2014/6/25	Cloudy	25.3	3.0	24.9	2	Faint hydrogen sulfide	faint sewage	0.0	1.0	0.5	1.0	57.8	35.9	0.6	3.2	72.7	2.665	Sand	44 ± 4.3	110 ± 6.7	154				
2014/7/24	Cloudy	32.8	3.5	28.5	3	Faint hydrogen sulfide	faint sewage	0.0	0.1	0.7	1.9	51.9	37.5	0.3	7.7	71.6	2.624	Sand	44 ± 5.2	130 ± 8.7	174				
2014/8/13	Sunny	31.6	2.1	29.6	1	Faint hydrogen sulfide	faint sewage	0.0	0.5	0.3	0.4	37.2	55.6	1.1	4.8	53.1	2.665	Sand	74 ± 8.2	210 ± 13	284				
2014/9/19	Sunny	26.0	2.8	24.8	7	Black	Medium hydrogen sulfide	0.0	0.0	0.7	1.3	32.5	36.1	10.2	19.3	43.8	2.590	Silt/sand	150 ± 14	420 ± 22	570				
2014/11/12	Cloudy	16.6	3.1	18.8	5	Faint hydrogen sulfide	faint sewage	0.0	0.2	1.0	1.0	54.5	40.5	0.4	2.4	76.5	2.675	Sand	31 ± 3.4	100 ± 6.6	131				
2015/1/28	Sunny	8.9	3.1	9.9	3	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	0.2	43.7	50.5	1.8	3.7	72.6	2.678	Sand	30 ± 4.2	130 ± 7.7	160				
2014/5/15	Cloudy	19.8	4.3	19.2	3	Black	Medium sewage	0.0	1.9	3.0	8.5	9.4	13.6	32.0	31.9	34.5	2.426	Silt/sand	110 ± 15	300 ± 22	410				
2014/8/15	Sunny	32.5	1.2	27.6	2	Black	Medium hydrogen sulfide	0.0	0.2	0.1	0.3	55.5	34.3	0.7	9.0	68.3	2.671	Sand/silt	25 ± 4.5	60 ± 6.8	85				
2014/11/14	Sunny	16.7	2.1	19.2	3	Dim yellow	faint sewage	0.0	0.2	0.1	0.2	38.5	47.8	6.6	6.7	76.9	2.688	Sand	15 ± 3.4	41 ± 4.9	56				
2015/1/28	Sunny	8.6	1.7	10.4	4	Black	Faint drain	0.0	0.1	0.0	0.0	23.9	64.7	3.4	7.9	67.2	2.668	Sand	30 ± 4.1	95 ± 6.8	125				

# Chiba River (Surrounding Environment) 1/4

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air,dose)														Remarks
	Water area	Location	Municipality				Left bank							Right bank							
							Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (μSv/h)	Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (μSv/h)	
										Radioactive cesium							Radioactive cesium				
			Cs-134	Cs-137	Total	Cs-134	Cs-137	Total				Cs-134	Cs-137	Total							
R i v e r s	1	Shogen River	Fukama-obashi Bridge	Inzai City/Sakae Town	2014/5/12	Sunny	26.3	Faint hydrogen sulfide	faint earth	Loamy	190 ± 13	520 ± 21	710	0.11	Dark brown	faint earth	Loamy	190 ± 12	530 ± 20	720	0.16
					2014/8/11	Cloudy	30.7	Dark olive brown	faint earth	Loamy	240 ± 15	720 ± 27	960	0.11	Dark brown	faint earth	Loamy	160 ± 12	480 ± 21	640	0.14
					2014/11/10	Sunny	16.5	Dark brown	faint earth	Loamy	69 ± 7.5	190 ± 12	259	0.10	Blackish brown	faint earth	Loamy	190 ± 12	540 ± 21	730	0.15
					2015/1/26	Cloudy	8.4	Dark brown	faint earth	Loamy	230 ± 14	830 ± 27	1,060	0.11	Dark brown	faint earth	Loamy	220 ± 13	670 ± 24	890	0.13
					2014/5/12	Cloudy	20.3	Olive brown	faint earth	Loamy	80 ± 8.1	200 ± 12	280	0.08	Dark brown	None	Loamy	96 ± 10	290 ± 17	386	0.10
					2014/8/11	Cloudy	30.6	Blackish brown	faint earth	Loamy	54 ± 7.8	200 ± 13	254	0.07	Dark brown	faint earth	Loamy	120 ± 13	410 ± 23	530	0.06
	2	Shinbei Bridge	Inzai City/Sakae Town	2014/11/10	Sunny	19.4	Blackish brown	faint earth	Loamy	46 ± 6.2	140 ± 10	186	0.09	Dark brown	faint earth	Loamy	120 ± 12	420 ± 21	540	0.08	
				2015/2/16	Sunny	6.8	Dark brown	faint earth	Loamy	63 ± 7.2	240 ± 13	303	0.09	Blackish brown	faint earth	Loamy	98 ± 11	420 ± 20	518	0.08	
				2014/5/12	Cloudy	23.7	Olive brown	faint earth	Loamy	220 ± 13	610 ± 22	830	0.09	Olive black	faint earth	Loamy	61 ± 8.0	170 ± 12	231	0.07	
				2014/8/11	Sunny	32.7	Dark brown	faint earth	Loamy	170 ± 12	520 ± 21	690	0.09	Dark brown	faint earth	Loamy	97 ± 10	350 ± 19	447	0.09	
				2014/11/10	Sunny	19.2	Blackish brown	faint earth	Loamy	180 ± 12	570 ± 22	750	0.10	Blackish brown	faint earth	Loamy	110 ± 10	370 ± 18	480	0.08	
				2015/2/16	Sunny	7.0	Dark brown	faint earth	Loamy	180 ± 12	650 ± 23	830	0.06	Dark brown	faint earth	Loamy	100 ± 9.4	310 ± 16	410	0.05	
	3	Intake at Maeshinden Water Purification Plant	Inzai City/Sakae Town	2014/5/12	Cloudy	23.1	Faint hydrogen sulfide	None	Loamy	50 ± 7.6	160 ± 12	210	0.07	Olive black	None	Loamy	110 ± 9.8	270 ± 15	380	0.11	
2014/8/11				Sunny	30.1	Dark brown	faint earth	Loamy	26 ± 5.7	68 ± 7.9	94	0.07	Dark brown	faint earth	Loamy	63 ± 7.9	200 ± 13	263	0.08		
2014/11/10				Sunny	18.8	Blackish brown	faint earth	Loamy	16 ± 4.1	45 ± 6.1	61	0.06	Blackish brown	faint earth	Loamy	46 ± 6.4	140 ± 11	186	0.08		
2015/2/16				Sunny	8.6	Dark brown	faint earth	Loamy	19 ± 4.1	64 ± 7.5	83	0.05	Blackish brown	faint earth	Loamy	130 ± 10	410 ± 18	540	0.09		
2014/5/13				Cloudy	19.2	Blackish brown	faint earth	Loamy	170 ± 11	510 ± 19	680	0.08	Dark brown	faint earth	Loamy	100 ± 9.5	290 ± 15	390	0.10		
2014/8/11				Sunny	30.2	Blackish brown	faint earth	Loamy	230 ± 14	720 ± 25	950	0.09	Dark olive brown	faint earth	Loamy	180 ± 13	480 ± 21	660	0.08		
4	Nagato River	Nagato Bridge	Sakae Town	2014/11/10	Sunny	19.4	Blackish brown	faint earth	Loamy	110 ± 9.4	380 ± 17	490	0.09	Blackish brown	faint earth	Loamy	110 ± 10	410 ± 18	520	0.08	
				2015/2/16	Sunny	9.9	Blackish brown	faint earth	Loamy	110 ± 10	490 ± 19	600	0.08	Dark brown	faint earth	Loamy	85 ± 8.4	320 ± 16	405	0.09	
				2014/5/13	Light rain	17.6	Blackish brown	faint earth	Loamy	230 ± 14	620 ± 23	850	0.10	Blackish brown	faint earth	Loamy	110 ± 9.5	260 ± 14	370	0.10	
				2014/8/12	Cloudy	28.0	Blackish brown	faint earth	Loamy	250 ± 17	750 ± 30	1,000	0.11	Dark olive brown	faint earth	Loamy	130 ± 12	340 ± 19	470	0.11	
				2014/11/11	Cloudy	13.5	Blackish brown	faint earth	Loamy	190 ± 13	510 ± 22	700	0.11	Blackish brown	faint earth	Loamy	82 ± 8.2	290 ± 15	372	0.11	
				2015/1/26	Sunny	12.7	Blackish brown	faint earth	Loamy	120 ± 10	420 ± 18	540	0.11	Blackish brown	faint earth	Loamy	240 ± 15	840 ± 27	1,080	0.10	
5	Fujimi Bridge	Sakae Town	2014/5/13	Light rain	19.4	Blackish brown	faint earth	Loamy	60 ± 7.4	170 ± 12	230	0.09	Blackish brown	faint earth	Loamy	87 ± 9.2	240 ± 15	327	0.06		
			2014/8/12	Sunny	28.1	Blackish brown	faint earth	Loamy	37 ± 7.1	98 ± 11	135	0.06	Dark brown	faint earth	Loamy	70 ± 10	250 ± 18	320	0.07		
			2014/11/11	Cloudy	13.6	Blackish brown	faint earth	Loamy	37 ± 6.6	150 ± 11	187	0.08	Dark olive brown	faint earth	Loamy	41 ± 6.3	110 ± 10	151	0.08		
			2015/1/26	Sunny	14.6	Dark brown	faint earth	Loamy	35 ± 6.1	130 ± 10	165	0.08	Blackish brown	faint earth	Loamy	77 ± 8.6	270 ± 15	347	0.07		
			2014/5/14	Cloudy	18.9	Dark olive brown	faint earth	Loamy	370 ± 19	1,000 ± 31	1,370	0.18	Blackish brown	faint earth	Loamy	690 ± 24	1,800 ± 40	2,490	0.25		
			2014/8/14	Cloudy	28.3	Dark brown	faint earth	Loamy	510 ± 23	1,600 ± 42	2,110	0.19	Blackish brown	faint earth	Loamy	610 ± 24	2,000 ± 44	2,610	0.21		
6	Ryudai River	Ryumatsuno Bridge	Narita City/Sakae Town	2014/11/13	Sunny	12.1	Blackish brown	faint earth	Loamy	370 ± 23	1,200 ± 42	1,570	0.17	Blackish brown	faint earth	Loamy	570 ± 26	1,800 ± 48	2,370	0.20	
				2015/1/29	Sunny	2.6	Blackish brown	faint earth	Loamy	360 ± 19	1,300 ± 37	1,660	0.18	Dark brown	faint earth	Loamy	310 ± 17	1,000 ± 31	1,310	0.13	
				2014/6/3	Sunny	22.9	Dark olive brown	faint earth	Loamy	450 ± 22	1,200 ± 36	1,650	0.16	Dim yellowish brown	faint earth	Loamy	120 ± 10	340 ± 17	460	0.13	
				2014/8/14	Light rain	28.1	Blackish brown	faint earth	Loamy	400 ± 25	1,100 ± 40	1,500	0.12	Blackish brown	faint earth	Loamy	200 ± 13	530 ± 22	730	0.11	
				2014/11/13	Sunny	18.1	Blackish brown	faint earth	Loamy	260 ± 22	750 ± 37	1,010	0.14	Dark brown	faint earth	Loamy	110 ± 12	290 ± 19	400	0.12	
				2015/1/29	Sunny	11.4	Blackish brown	faint earth	Loamy	290 ± 19	1,000 ± 35	1,290	0.12	Dark brown	faint earth	Loamy	97 ± 9.3	380 ± 17	477	0.11	
7	Nekoma River	Shinkawa Floodgate	Narita City	2014/5/14	Cloudy	25.2	Faint hydrogen sulfide	faint earth	Loamy	480 ± 25	1,200 ± 36	1,680	0.15	Dark reddish brown	faint earth	Loamy	130 ± 11	370 ± 19	500	0.13	
				2014/8/14	Light rain	25.2	Blackish brown	faint earth	Loamy	130 ± 13	490 ± 24	620	0.13	Dark brown	faint earth	Loamy	60 ± 8.4	190 ± 14	250	0.14	
				2014/11/13	Sunny	14.6	Black	faint earth	Loamy	290 ± 21	940 ± 40	1,230	0.13	Blackish brown	faint earth	Loamy	130 ± 14	450 ± 26	580	0.14	
				2015/1/29	Sunny	2.7	Blackish brown	faint earth	Loamy	300 ± 18	1,000 ± 33	1,300	0.13	Blackish brown	faint earth	Loamy	31 ± 7.3	160 ± 14	191	0.11	
				2014/5/14	Cloudy	25.3	Dark brown	faint earth	Loamy	420 ± 23	1,200 ± 39	1,620	0.09	Faint hydrogen sulfide	faint earth	Loamy	130 ± 13	320 ± 21	450	0.08	
				2014/8/14	Cloudy	30.9	Dark brown	faint earth	Loamy	580 ± 27	1,800 ± 48	2,380	0.09	Blackish brown	faint earth	Loamy	340 ± 21	970 ± 36	1,310	0.07	
8	Ohori River	Kitakashiwa Bridge	Kashiwa City	2014/11/13	Sunny	18.4	Blackish brown	faint earth	Loamy	210 ± 19	700 ± 34	910	0.09	Blackish brown	faint earth	Loamy	200 ± 19	640 ± 34	840	0.09	
				2015/1/29	Sunny	9.4	Blackish brown	faint earth	Loamy	94 ± 11	340 ± 20	434	0.09	Blackish brown	faint earth	Loamy	290 ± 19	980 ± 35	1,270	0.09	
				2014/5/14	Cloudy	24.8	Blackish brown	faint earth	Loamy	290 ± 25	920 ± 44	1,210	0.12	Dark brown	faint earth	Loamy	380 ± 23	1,100 ± 40	1,480	0.09	
				2014/8/14	Cloudy	29.7	Faint hydrogen sulfide	faint earth	Loamy	480 ± 29	1,500 ± 51	1,980	0.10	Faint hydrogen sulfide	faint earth	Loamy	600 ± 29	1,800 ± 51	2,400	0.10	
				2014/11/13	Sunny	17.8	Blackish brown	faint earth	Loamy	410 ± 33	1,500 ± 65	1,910	0.12	Blackish brown	faint earth	Loamy	510 ± 31	1,600 ± 58	2,110	0.12	
				2015/1/29	Sunny	8.4	Extremely dark brown	faint earth	Loamy	500 ± 31	1,500 ± 55	2,000	0.12	Dark brown	faint earth	Loamy	430 ± 24	1,500 ± 45	1,930	0.11	
9	Otsu River	Sanno Bridge, under	Kamagaya City	2014/5/14	Cloudy	21.6	Extremely dark brown	faint earth	Loamy	250 ± 16	730 ± 26	980	0.07	Blackish brown	faint earth	Loamy	460 ± 22	1,300 ± 37	1,760	0.11	
				2014/8/15	Sunny	27.4	Blackish brown	faint earth	Loamy	390 ± 19	1,100 ± 33	1,490	0.11	Blackish brown	faint earth	Loamy	320 ± 18	830 ± 30	1,150	0.11	
				2014/11/14	Sunny	8.4	Blackish brown	faint earth	Loamy	220 ± 16	730 ± 28	950	0.11	Blackish brown	faint earth	Loamy	580 ± 26	1,700 ± 44	2,280	0.12	
				2015/1/30	Light snow	1.7	Blackish brown	faint earth	Loamy	240 ± 19	820 ± 35	1,060	0.12	Blackish brown	faint earth	Loamy	350 ± 23	1,300 ± 42	1,650	0.13	
				2014/5/14	Cloudy	21.6	Extremely dark brown	faint earth	Loamy	250 ± 16	730 ± 26	980	0.07	Blackish brown	faint earth	Loamy	460 ± 22	1,300 ± 37	1,760	0.11	
				2014/8/15	Sunny	27.4	Blackish brown	faint earth	Loamy	390 ± 19	1,100 ± 33	1,490	0.11	Blackish brown	faint earth	Loamy	320 ± 18	830 ± 30	1,150	0.11	
10	Feeder rivers of Lake Teganuma	Kaminuma Bridge	Kashiwa City	2014/11/13	Sunny	14.6	Black	faint earth	Loamy	290 ± 21	940 ± 40	1,230	0.13	Blackish brown	faint earth	Loamy	130 ± 14	450 ± 26	580	0.14	
				2015/1/29	Sunny	2.7	Blackish brown	faint earth	Loamy	300 ± 18	1,000 ± 33	1,300	0.13	Blackish brown	faint earth	Loamy	31 ± 7.3	160 ± 14	191	0.11	
				2014/5/14	Cloudy	25.3	Dark brown	faint earth	Loamy	420 ± 23	1,200 ± 39	1,620	0.09	Faint hydrogen sulfide	faint earth	Loamy	130 ± 13	320 ± 21	450	0.08	
				2014/8/14	Cloudy	30.9	Dark brown	faint earth	Loamy	580 ± 27	1,800 ± 48	2,380	0.09	Blackish brown	faint earth	Loamy	340 ± 21	970 ± 36	1,310	0.07	
				2014/11/13	Sunny	18.4	Blackish brown	faint earth	Loamy	210 ± 19	700 ± 34	910	0.09	Blackish brown	faint earth	Loamy	200 ± 19	640 ± 34	840	0.09	
				2015/1/29	Sunny	9.4	Blackish brown	faint earth	Loamy	94 ± 11	340 ± 20	434	0.09	Blackish brown	faint earth	Loamy	290 ± 19	980 ± 35	1,270	0.09	
11	Someirotoshi	Someishinbashi Bridge	Kashiwa City	2014/5/14	Cloudy	24.8	Blackish brown	faint earth	Loamy	290 ± 25	920 ± 44	1,210	0.12	Dark brown	faint earth	Loamy	380 ± 23	1,100 ± 40	1,480	0.09	
				2014/8/14	Cloudy	29.7	Faint hydrogen sulfide	faint earth	Loamy	480 ± 29	1,500 ± 51	1,980	0.10	Faint hydrogen sulfide	faint earth	Loamy	600 ± 29	1,800 ± 51	2,400	0.10	
				2014/11/13	Sunny																

# Chiba River (Surrounding Environment) 2/4

Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air,dose)															Remarks
No.	Water area	Location	Municipality				Left bank						Right bank						Air Dose (µSv/h)			
							Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Color	Odor	Property	Activity concentration [Bq/kg(dry)]						
										Radioactive cesium						Radioactive cesium						
			Cs-134	Cs-137	Total	Air Dose (µSv/h)			Cs-134	Cs-137	Total											
14	Feeder Rivers of Teganuma Lake	Kamenari River	Kamenari Bridge	Inzai City	2014/5/30	Sunny	22.5	Dark brown	faint earth	Loamy	380 ± 18	1,000 ± 30	1,380	0.11	Dark olive brown	faint earth	Loamy	360 ± 16	950 ± 27	1,310	0.12	
					2014/8/14	Cloudy	26.5	Dark olive brown	faint earth	Loamy	440 ± 20	1,300 ± 36	1,740	0.10	Blackish brown	faint earth	Loamy	370 ± 17	1,100 ± 30	1,470	0.11	
15	Igasasuiro Channel	Downstream of Igasasuiro Channel	Kamagaya City	Kamagaya City	2014/11/12	Light rain	11.1	Blackish brown	faint earth	Loamy	860 ± 28	2,800 ± 50	3,660	0.12	Blackish brown	faint earth	Loamy	220 ± 14	650 ± 23	870	0.13	
					2015/1/26	Cloudy	10.8	Blackish brown	faint earth	Loamy	120 ± 10	460 ± 20	580	0.11	Blackish brown	faint earth	Loamy	290 ± 15	960 ± 28	1,250	0.13	
16	Futae River	Tomigaya Bridge	Funabashi City /Shiroi City	Funabashi City /Shiroi City	2014/8/15	Sunny	30.4	Faint hydrogen sulfide	faint earth	Loamy	200 ± 15	580 ± 23	780	0.12	Blackish brown	faint earth	Loamy	160 ± 13	480 ± 21	640	0.10	
					2014/11/14	Sunny	10.3	Blackish brown	faint earth	Loamy	190 ± 14	610 ± 24	800	0.10	Blackish brown	faint earth	Loamy	120 ± 11	440 ± 21	560	0.09	
17	Kanzaki River	Kanzaki Bridge	Yachiyo City /Inzai City	Yachiyo City /Inzai City	2014/11/14	Sunny	10.3	Blackish brown	faint earth	Loamy	160 ± 12	610 ± 22	770	0.14	Blackish brown	faint earth	Loamy	140 ± 12	440 ± 21	580	0.09	
					2015/2/17	Light snow	2.6	Black	faint earth	Loamy	160 ± 12	610 ± 22	770	0.14	Blackish brown	faint earth	Loamy	130 ± 11	440 ± 19	570	0.11	
18	Kanno River	Kanno Bridge	Yachiyo City	Yachiyo City	2014/6/3	Sunny	26.1	Dim yellowish brown	faint earth	Loamy	290 ± 17	820 ± 29	1,110	0.11	Dim yellowish brown	faint earth	Loamy	300 ± 16	850 ± 27	1,150	0.13	
					2014/8/15	Sunny	30.0	Blackish brown	faint earth	Loamy	210 ± 16	690 ± 28	900	0.10	Blackish brown	faint earth	Loamy	250 ± 16	730 ± 28	980	0.11	
19	Feeder rivers of Lake Inbanuma	Teguri River	Mumei Bridge	Sakura City	2014/11/14	Sunny	13.8	Blackish brown	faint earth	Loamy	230 ± 17	750 ± 30	980	0.12	Blackish brown	faint earth	Loamy	260 ± 18	810 ± 31	1,070	0.12	
					2015/1/30	Light rain	2.6	Blackish brown	faint earth	Loamy	220 ± 19	740 ± 35	960	0.12	Blackish brown	faint earth	Loamy	140 ± 15	560 ± 29	700	0.13	
20	Moroto River	Moroto Bridge	Inzai City	Inzai City	2014/5/30	Sunny	23.9	Dark brown	faint earth	Loamy	190 ± 13	530 ± 22	720	0.10	Dark brown	faint earth	Loamy	220 ± 13	570 ± 21	790	0.08	
					2014/8/27	Cloudy	21.3	Dim yellowish brown	faint earth	Loamy	140 ± 12	410 ± 21	550	0.12	Dark olive brown	faint earth	Loamy	150 ± 12	450 ± 21	600	0.09	
21	Kashima River	Iwatomi Bridge	Sakura City	Sakura City	2014/11/28	Cloudy	14.8	Blackish brown	faint earth	Loamy	150 ± 13	440 ± 23	590	0.10	Blackish brown	faint earth	Loamy	140 ± 13	510 ± 23	650	0.09	
					2015/1/30	Light rain	2.3	Blackish brown	faint earth	Loamy	180 ± 16	590 ± 28	770	0.11	Black	faint earth	Loamy	140 ± 13	470 ± 23	610	0.10	
22	Takasaki River	Ryuto Bridge	Sakura City	Sakura City	2015/5/30	Sunny	25.3	Blackish brown	faint earth	Loamy	250 ± 16	690 ± 25	940	0.11	Blackish brown	faint earth	Loamy	230 ± 15	520 ± 23	760	0.10	
					2014/8/27	Cloudy	23.1	Blackish brown	faint earth	Loamy	230 ± 16	670 ± 27	900	0.11	Blackish brown	faint earth	Loamy	250 ± 17	700 ± 28	950	0.11	
23	Kashima River	Kashima Bridge	Inzai City	Inzai City	2014/11/28	Sunny	15.8	Black	faint earth	Loamy	180 ± 15	620 ± 28	800	0.10	Blackish brown	faint earth	Loamy	190 ± 19	710 ± 33	900	0.10	
					2015/1/27	Sunny	15.3	Blackish brown	faint earth	Loamy	98 ± 12	370 ± 22	468	0.10	Blackish brown	faint earth	Loamy	300 ± 23	1,000 ± 43	1,300	0.09	
24	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/30	Sunny	27.0	Blackish brown	faint earth	Loamy	180 ± 15	520 ± 26	700	0.11	Dark brown	faint earth	Loamy	320 ± 19	990 ± 33	1,310	0.08	
					2014/8/27	Cloudy	22.7	Blackish brown	faint earth	Loamy	130 ± 12	400 ± 20	530	0.12	Dark brown	faint earth	Loamy	640 ± 28	1,800 ± 47	2,440	0.09	
25	Inbasuiro Channel	Tsurumaki Bridge	Inzai City	Inzai City	2014/11/28	Sunny	16.0	Blackish brown	faint earth	Loamy	100 ± 11	280 ± 18	380	0.11	Blackish brown	faint earth	Loamy	510 ± 26	1,700 ± 50	2,210	0.07	
					2015/1/27	Sunny	14.6	Faint hydrogen sulfide	faint earth	Loamy	140 ± 16	550 ± 29	690	0.26	Blackish brown	faint earth	Loamy	530 ± 29	1,800 ± 54	2,330	0.08	
26	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/16	Sunny	21.0	Dark reddish brown	faint earth	Loamy	170 ± 14	520 ± 24	690	0.10	Blackish brown	faint earth	Loamy	130 ± 12	400 ± 19	530	0.11	
					2014/8/12	Cloudy	26.4	Extremely dark brown	faint earth	Loamy	150 ± 16	500 ± 28	650	0.12	Dark brown	faint earth	Loamy	210 ± 17	700 ± 30	910	0.13	
27	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/11/11	Cloudy	14.0	Blackish brown	faint earth	Loamy	160 ± 13	550 ± 24	710	0.10	Blackish brown	faint earth	Loamy	120 ± 12	430 ± 21	550	0.12	
					2015/1/27	Sunny	16.6	Dark brown	faint earth	Loamy	130 ± 16	450 ± 29	580	0.10	Dark brown	faint earth	Loamy	62 ± 9.8	330 ± 20	392	0.11	
28	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/13	Cloudy	22.3	Blackish brown	faint earth	Loamy	140 ± 13	400 ± 21	540	0.09	Blackish brown	faint earth	Loamy	180 ± 13	500 ± 23	680	0.10	
					2014/8/12	Cloudy	26.1	Dark brown	faint earth	Loamy	160 ± 15	480 ± 25	640	0.10	Blackish brown	faint earth	Loamy	300 ± 21	870 ± 36	1,170	0.12	
29	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/11/11	Cloudy	15.7	Dark brown	faint earth	Loamy	140 ± 14	430 ± 24	570	0.09	Blackish brown	faint earth	Loamy	170 ± 13	550 ± 22	720	0.11	
					2015/1/27	Sunny	13.8	Faint hydrogen sulfide	faint earth	Loamy	170 ± 14	570 ± 25	740	0.09	Blackish brown	faint earth	Loamy	260 ± 18	940 ± 32	1,200	0.11	
30	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/16	Sunny	22.8	Blackish brown	faint earth	Loamy	86 ± 9.7	190 ± 14	276	0.06	Blackish brown	faint earth	Loamy	58 ± 8.4	210 ± 15	268	0.07	
					2014/8/13	Sunny	31.0	Blackish brown	faint earth	Loamy	64 ± 9.0	190 ± 16	254	0.06	Blackish brown	faint earth	Loamy	71 ± 9.9	180 ± 16	251	0.05	
31	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/11/12	Cloudy	13.2	Dark reddish brown	faint earth	Loamy	56 ± 7.5	180 ± 13	236	0.07	Blackish brown	faint earth	Loamy	35 ± 4.0	110 ± 6.5	145	0.07	
					2015/1/28	Sunny	6.9	Dark brown	faint earth	Loamy	61 ± 10	180 ± 16	241	0.07	Dark brown	faint earth	Loamy	29 ± 7.3	150 ± 15	179	0.06	
32	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/16	Sunny	25.6	Blackish brown	faint earth	Loamy	64 ± 9.1	230 ± 15	294	0.07	Blackish brown	faint earth	Loamy	180 ± 14	540 ± 23	720	0.06	
					2014/8/13	Sunny	25.5	Dark brown	faint earth	Loamy	32 ± 7.7	120 ± 12	152	0.07	Blackish brown	faint earth	Loamy	56 ± 9.1	210 ± 16	266	0.07	
33	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/11/12	Light rain	13.5	Blackish brown	faint earth	Loamy	57 ± 8.0	220 ± 14	277	0.08	Blackish brown	faint earth	Loamy	58 ± 8.2	250 ± 15	308	0.07	
					2015/1/27	Light rain	10.2	Faint hydrogen sulfide	faint earth	Loamy	39 ± 6.3	110 ± 11	149	0.08	Blackish brown	faint earth	Loamy	180 ± 13	650 ± 23	830	0.08	
34	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/16	Sunny	23.0	Dark brown	faint earth	Loamy	96 ± 10	320 ± 17	416	0.06	Dark brown	faint earth	Loamy	53 ± 7.6	150 ± 12	203	0.08	
					2014/8/12	Light rain	26.8	Dark brown	faint earth	Loamy	91 ± 10	280 ± 18	371	0.06	Dark brown	faint earth	Loamy	120 ± 12	370 ± 20	490	0.08	
35	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/11/11	Cloudy	13.8	Dark brown	faint earth	Loamy	55 ± 7.0	130 ± 11	185	0.08	Blackish brown	faint earth	Loamy	270 ± 14	930 ± 27	1,200	0.09	
					2015/1/27	Cloudy	9.3	Blackish brown	faint earth	Loamy	69 ± 4.8	230 ± 8.7	299	0.08	Blackish brown	faint earth	Loamy	96 ± 9.3	300 ± 16	396	0.08	
36	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/13	Cloudy	19.7	Dark brown	faint earth	Loamy	100 ± 10	320 ± 17	420	0.12	Dark brown	faint earth	Loamy	84 ± 9.3	270 ± 16	354	0.11	
					2014/8/12	Cloudy	28.9	Faint hydrogen sulfide	faint earth	Loamy	330 ± 20	950 ± 35	1,280	0.10	Blackish brown	faint earth	Loamy	200 ± 15	580 ± 25	780	0.11	
37	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/11/11	Cloudy	19.8	Dark brown	faint earth	Loamy	79 ± 8.9	250 ± 15	329	0.12	Blackish brown	faint earth	Loamy	150 ± 10	420 ± 17	570	0.10	
					2015/2/17	Cloudy	4.7	Blackish brown	faint earth	Loamy	130 ± 11	560 ± 22	690	0.10	Blackish brown	faint earth	Loamy	55 ± 6.6	200 ± 12	255	0.10	
38	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/5/20	Cloudy	22.5	Dark reddish brown	faint earth	Loamy	200 ± 15	560 ± 24	760	0.16	Brown	faint earth	Loamy	220 ± 16	530 ± 25	750	0.18	
					2014/8/18	Cloudy	24.9	Blackish brown	faint earth	Loamy	200 ± 14	560 ± 23	760	0.13	Blackish brown	faint earth	Loamy	370 ± 21	1,200 ± 38	1,570	0.15	
39	Edogawa River System	Toneunga Canal	Unga Bridge	Nagareyama City/Noda City	2014/11/25	Light rain	12.4	Blackish brown	faint earth	Loamy	190 ± 13	590 ± 23	780	0.14	Blackish brown	faint earth	Loamy	360 ± 21	1,100 ± 37	1,460	0.15	
					2015/2/6	Sunny	4.4	Brown	faint earth	Loamy	230 ± 16	800 ± 28	1,030	0.14	Blackish brown	faint earth	Loamy	280 ± 18	1,000 ± 35	1,280	0.14	

# Chiba River (Surrounding Environment) 3/4

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)													Remarks											
	Water area	Location	Municipality				Left bank						Right bank																		
							Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (µSv/h)	Color	Odor	Property	Activity concentration [Bq/kg(dry)]														
										Radioactive cesium							Radioactive cesium														
			Cs-134	Cs-137	Total	Cs-134	Cs-137	Total																							
R I V E R S	Edogawa River System	Edogawa River	Nagareyama Bridge	Nagareyama City / Misato City	2014/5/20	Cloudy	25.0	Dim yellowish brown	faint earth	Loamy	460 ± 24	1,300 ± 41	1,760	0.18	Yellowish brown	faint earth	Loamy	180 ± 13	550 ± 23	730	0.15										
					2014/8/18	Cloudy	28.1	Dark olive brown	faint earth	Loamy	280 ± 17	880 ± 30	1,160	0.06	Dark brown	faint earth	Loamy	200 ± 14	540 ± 22	740	0.13										
					2014/11/25	Light rain	12.5	Blackish brown	faint earth	Loamy	170 ± 13	620 ± 24	790	0.16	Blackish brown	faint earth	Loamy	120 ± 11	430 ± 20	550	0.13										
		28	Sakagawa River	Benten Bridge		Matsudo City	2015/2/6	Sunny	6.4	Blackish brown	faint earth	Loamy	340 ± 20	1,200 ± 37	1,540	0.14	Blackish brown	faint earth	Loamy	160 ± 13	590 ± 24	750	0.12								
							2014/5/20	Sunny	26.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed				
							2014/8/18	Sunny	32.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed		
							2014/11/25	Light rain	12.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	Soil not exposed	
							2015/2/6	Sunny	11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed	
							2014/5/20	Sunny	27.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed
		29	Shinsaka River	Sakane Bridge		Matsudo City	2014/8/18	Sunny	34.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed			
							2014/11/25	Light rain	10.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	Soil not exposed
							2015/2/6	Sunny	11.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
		30		Shinkatsushika Bridge		Matsudo City /Katsushika City	2014/5/26	Sunny	22.8	Dark olive brown	faint earth	Loamy	180 ± 13	450 ± 20	630	0.12	Dark brown	faint earth	Loamy	310 ± 19	890 ± 31	1,200	0.14								
							2014/8/20	Sunny	28.1	Dark brown	faint earth	Loamy	270 ± 19	750 ± 32	1,020	0.14	Dark olive brown	faint earth	Loamy	410 ± 28	1,300 ± 50	1,710	0.13								
		31	Edogawa River	Ichikawa Bridge		Ichikawa City /Edogawa City	2014/11/17	Cloudy	8.9	Dark brown	faint earth	Loamy	160 ± 14	520 ± 26	680	0.12	Blackish brown	faint earth	Loamy	280 ± 22	890 ± 39	1,170	0.14								
							2015/2/9	Cloudy	3.8	Blackish brown	faint earth	Loamy	180 ± 13	590 ± 24	770	0.12	Dark brown	faint earth	Loamy	180 ± 15	630 ± 29	810	0.13								
							2014/5/26	Sunny	21.4	Dark olive brown	faint earth	Loamy	180 ± 13	420 ± 20	600	0.11	Dark olive brown	faint earth	Loamy	280 ± 17	850 ± 28	1,130	0.16								
				2014/8/20	Sunny	29.4	Dim yellowish orange	faint earth	Loamy	290 ± 18	830 ± 32	1,120	0.13	Olive black	faint earth	Loamy	260 ± 18	780 ± 31	1,040	0.14											
				2014/11/17	Cloudy	11.8	Dark brown	faint earth	Loamy	160 ± 15	570 ± 28	730	0.12	Blackish brown	faint earth	Loamy	350 ± 21	1,000 ± 37	1,350	0.14											
				2015/2/9	Sunny	3.2	Blackish brown	faint earth	Loamy	170 ± 14	520 ± 23	690	0.09	Dark brown	faint earth	Loamy	220 ± 14	780 ± 26	1,000	0.15											
		32	Edogawa River	Vicinity of Keiyo Road		Ichikawa City /Edogawa City	2014/5/21	Sunny	16.9	Blackish brown	faint earth	Loamy	290 ± 19	840 ± 33	1,130	0.11	Blackish brown	faint earth	Loamy	210 ± 16	580 ± 26	790	0.12								
							2014/8/21	Cloudy	28.9	Dark olive brown	faint earth	Loamy	250 ± 19	760 ± 34	1,010	0.11	Blackish brown	faint earth	Loamy	160 ± 14	490 ± 25	650	0.11								
							2014/11/18	Sunny	12.3	Dark brown	faint earth	Loamy	220 ± 18	550 ± 29	770	0.11	Black	faint earth	Loamy	190 ± 16	550 ± 27	740	0.11								
		33	Edogawa River	Goytaka Movable Weir (upper reaches)		Ichikawa City	2015/2/10	Sunny	0.3	Blackish brown	faint earth	Loamy	210 ± 19	730 ± 34	940	0.11	Black	faint earth	Loamy	110 ± 13	350 ± 22	460	0.09								
							2014/5/21	Sunny	16.3	Blackish brown	faint earth	Loamy	110 ± 10	280 ± 16	390	0.11	Blackish brown	faint earth	Loamy	170 ± 14	520 ± 24	690	0.11								
							2014/6/25	Cloudy	21.4	Blackish brown	faint earth	Loamy	120 ± 10	400 ± 18	520	0.11	Dark olive brown	faint earth	Loamy	220 ± 13	590 ± 22	810	0.11								
							2014/7/24	Cloudy	27.6	Dark olive brown	faint earth	Loamy	190 ± 15	490 ± 24	680	0.11	Dark olive brown	faint earth	Loamy	210 ± 13	650 ± 23	860	0.10								
2014/8/21	Cloudy						28.5	Olive brown	faint earth	Loamy	160 ± 13	420 ± 23	580	0.10	Dark greyish yellow	faint earth	Loamy	130 ± 12	400 ± 21	530	0.11										
2014/9/19	Sunny						21.2	Dim yellowish brown	faint earth	Loamy	240 ± 14	640 ± 23	880	0.09	Olive brown	faint earth	Loamy	240 ± 14	820 ± 26	1,060	0.09										
34	Edogawa River	Shingyotokubashi Bridge		Ichikawa City	2014/11/18	Sunny	13.2	Dark brown	faint earth	Loamy	120 ± 13	470 ± 24	590	0.09	Dim yellowish brown	faint earth	Loamy	210 ± 16	730 ± 29	940	0.11										
					2015/2/10	Sunny	2.0	Blackish brown	faint earth	Loamy	110 ± 14	480 ± 26	590	0.10	Blackish brown	faint earth	Loamy	170 ± 14	600 ± 26	770	0.11										
					2014/5/26	Sunny	23.4	Dark olive brown	faint earth	Loamy	47 ± 7.5	130 ± 12	177	0.08	Dark brown	faint earth	Loamy	17 ± 3.0	41 ± 4.0	58	0.08										
					2014/8/20	Sunny	32.4	Dark olive brown	faint earth	Loamy	44 ± 8.5	120 ± 13	164	0.08	Dark olive brown	faint earth	Loamy	18 ± 4.7	75 ± 9.7	93	0.07										
					2014/11/17	Cloudy	13.5	Dark brown	faint earth	Loamy	46 ± 8.6	170 ± 16	216	0.07	Dark brown	faint earth	Loamy	17 ± 2.4	72 ± 4.2	89	0.07										
					2015/2/9	Sunny	0.2	Dark brown	faint earth	Loamy	31 ± 5.7	110 ± 11	141	0.07	Blackish brown	faint earth	Loamy	21 ± 5.5	82 ± 8.8	103	0.06										
35	Edogawa River	Edogawa Floodgate, down		Ichikawa City /Edogawa City	2014/5/21	Light rain	17.6	Dark olive brown	faint earth	Loamy	220 ± 14	520 ± 23	740	0.14	Blackish brown	faint earth	Loamy	180 ± 14	460 ± 23	640	0.09										
					2014/8/21	Cloudy	28.2	Dark brown	faint earth	Loamy	350 ± 21	860 ± 33	1,210	0.13	Dark brown	faint earth	Loamy	110 ± 14	370 ± 23	480	0.10										
					2014/11/18	Sunny	13.4	Blackish brown	faint earth	Loamy	260 ± 16	890 ± 29	1,150	0.13	Blackish brown	faint earth	Loamy	130 ± 12	410 ± 19	540	0.09										
36	Edogawa River	8 km Point to the estuary		Ichikawa City /Edogawa City	2015/2/10	Sunny	3.4	Blackish brown	faint earth	Loamy	230 ± 18	790 ± 33	1,020	0.13	Blackish brown	faint earth	Loamy	75 ± 11	360 ± 22	435	0.09										
					2014/5/21	Light rain	17.7	Blackish brown	faint earth	Loamy	140 ± 12	390 ± 19	530	0.12	Blackish brown	faint earth	Loamy	83 ± 8.8	260 ± 15	343	0.12										
					2014/8/21	Cloudy	28.2	Dark olive brown	faint earth	Loamy	210 ± 15	660 ± 28	870	0.11	Dark brown	faint earth	Loamy	240 ± 17	710 ± 29	950	0.11										
					2014/11/18	Sunny	14.4	Dark brown	faint earth	Loamy	210 ± 14	700 ± 25	910	0.11	Dark brown	faint earth	Loamy	340 ± 19	1,100 ± 33	1,440	0.11										
					2015/2/10	Sunny	3.0	Blackish brown	faint earth	Loamy	200 ± 17	700 ± 30	900	0.10	Blackish brown	faint earth	Loamy	210 ± 16	790 ± 32	1,000	0.14										

# Chiba River (Surrounding Environment) 4/4

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)													Remarks												
	Water area	Location	Municipality				Left bank						Right bank																			
							Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (µSv/h)	Color	Odor	Property	Activity concentration [Bq/kg(dry)]															
										Radioactive cesium							Radioactive cesium															
			Cs-134	Cs-137	Total	Cs-134	Cs-137	Total																								
37	Kyu-Edogawa River	Imai Bridge	Ichikawa City /Edogawa City	2014/5/21	Light rain	17.7	-	-	-	-	-	-	0.07	Blackish brown	faint earth	Loamy	160 ± 13	480 ± 22	640	0.11	(Left bank) Soil not exposed											
				2014/8/21	Cloudy	29.0	-	-	-	-	-	-	-	-	-	0.07	Dark brown	faint earth	Loamy	160 ± 14	520 ± 25	680	0.09	(Left bank) Soil not exposed								
38	Kyu-Edogawa River	Uraysu Bridge	Uraysu City/Edogawa City	2014/11/18	Sunny	14.9	-	-	-	-	-	-	-	0.07	Dark brown	faint earth	Loamy	170 ± 13	530 ± 23	700	0.10	(Left bank) Soil not exposed										
				2015/2/10	Sunny	3.9	-	-	-	-	-	-	-	-	-	0.08	Dark brown	faint earth	Loamy	130 ± 12	380 ± 22	510	0.10	(Left bank) Soil not exposed								
				2014/5/22	Sunny	25.4	Faint hydrogen sulfide	faint earth	Loamy	970 ± 35	2,800 ± 61	3,770	0.09	Blackish brown	faint earth	Loamy	280 ± 18	770 ± 30	1,050	0.09												
				2014/6/25	Sunny	24.7	Faint hydrogen sulfide	faint earth	Loamy	620 ± 27	1,800 ± 46	2,420	0.07	Blackish brown	faint earth	Loamy	230 ± 15	620 ± 24	850	0.08												
		2014/7/24	Cloudy	33.1	Blackish brown	faint earth	Loamy	810 ± 36	2,500 ± 64	3,310	0.09	Blackish brown	faint earth	Loamy	260 ± 19	790 ± 33	1,050	0.08														
		2014/8/22	Sunny	29.0	Blackish brown	faint earth	Loamy	830 ± 36	2,300 ± 62	3,130	0.09	Blackish brown	faint earth	Loamy	120 ± 13	350 ± 22	470	0.10														
		2014/9/19	Sunny	23.8	Blackish brown	faint earth	Loamy	640 ± 33	1,800 ± 57	2,440	0.08	Blackish brown	faint earth	Loamy	170 ± 15	540 ± 27	710	0.08														
		2014/11/19	Sunny	7.6	Blackish brown	faint earth	Loamy	890 ± 33	3,000 ± 62	3,890	0.08	Dark brown	faint earth	Loamy	130 ± 11	410 ± 20	540	0.09														
39	Mamagawa River	Nemoto Floodgate	Ichikawa City	2015/2/9	Cloudy	0.2	Extremely dark brown	faint earth	Loamy	630 ± 28	2,200 ± 52	2,830	0.09	Blackish brown	faint earth	Loamy	170 ± 13	570 ± 24	740	0.08												
				2014/5/19	Sunny	26.1	Dark olive brown	faint earth	Loamy	340 ± 19	880 ± 30	1,220	0.11	-	-	-	-	-	-	-	0.08	(Right bank) Soil not exposed										
				2014/8/27	Cloudy	23.0	Blackish brown	faint earth	Loamy	410 ± 22	1,100 ± 37	1,510	0.10	-	-	-	-	-	-	-	-	0.08	(Right bank) Soil not exposed									
				2014/11/26	Light rain	8.4	Black	faint earth	Loamy	410 ± 24	1,200 ± 43	1,610	0.10	-	-	-	-	-	-	-	-	-	0.07	(Right bank) Soil not exposed								
				2015/2/3	Sunny	7.7	Blackish brown	faint earth	Loamy	300 ± 22	1,100 ± 43	1,400	0.12	-	-	-	-	-	-	-	-	-	-	0.07	(Right bank) Soil not exposed							
				2014/5/19	Sunny	26.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	Soil not exposed						
				2014/8/19	Sunny	32.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed					
				2014/11/26	Light rain	8.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	Soil not exposed				
				2015/2/2	Sunny	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed			
				2014/5/19	Sunny	28.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed		
40	Edogawa River System	Kokubu River	Suwada Bridge	2014/8/19	Sunny	33.7	-	-	-	-	-	-	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	0.08	Soil not exposed				
				2014/11/26	Light rain	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	Soil not exposed		
				2015/2/2	Sunny	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	Soil not exposed	
				2014/5/19	Sunny	24.8	Blackish brown	faint earth	Loamy	140 ± 12	400 ± 20	540	0.09	Dark brown	faint earth	Loamy	31 ± 7.1	110 ± 11	141	0.06												
				2014/8/19	Sunny	32.6	Dark olive brown	faint earth	Loamy	120 ± 12	320 ± 19	440	0.06	Dark brown	faint earth	Loamy	120 ± 12	240 ± 17	360	0.04												
				2014/11/28	Cloudy	15.5	Blackish brown	faint earth	Loamy	15 ± 3.4	56 ± 5.1	71	0.04	Black	faint earth	Loamy	<8.6 ± 2.8	38 ± 4.3	38	0.04												
41	Edogawa River System	Haruki River	Before the confluence with Kokubu River	2015/2/3	Sunny	7.4	Blackish brown	faint earth	Loamy	14 ± 2.1	56 ± 3.4	70	0.04	Blackish brown	faint earth	Loamy	9.3 ± 1.9	37 ± 2.3	46.3	0.04												
				2014/5/19	Sunny	22.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	Soil not exposed	
				2014/8/19	Sunny	32.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	Soil not exposed
				2014/11/26	Light rain	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	Soil not exposed
				2015/2/3	Sunny	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	Soil not exposed
				2014/5/19	Cloudy	22.1	Olive black	faint earth	Loamy	180 ± 13	550 ± 23	730	0.07	Olive black	faint earth	Loamy	94 ± 10	270 ± 16	364	0.07												
42	Edogawa River System	Hasen-okashiwa River	Downstream of Nakazawahashi Bridge	2014/6/25	Cloudy	24.3	Dark olive brown	faint earth	Loamy	130 ± 11	340 ± 17	470	0.07	Dark brown	faint earth	Loamy	150 ± 11	380 ± 18	530	0.07												
				2014/7/24	Cloudy	32.0	Dim yellowish orange	faint earth	Loamy	160 ± 14	550 ± 25	710	0.08	Dark brown	faint earth	Loamy	61 ± 8.6	190 ± 15	251	0.08												
				2014/8/19	Sunny	27.9	Dark brown	faint earth	Loamy	62 ± 8.5	220 ± 15	282	0.08	Dark brown	faint earth	Loamy	75 ± 8.2	200 ± 13	275	0.07												
				2014/9/19	Sunny	25.3	Dim yellowish brown	faint earth	Loamy	100 ± 12	360 ± 21	460	0.07	Dark brown	faint earth	Loamy	100 ± 11	330 ± 19	430	0.07												
				2014/11/26	Light rain	7.9	Blackish brown	faint earth	Loamy	63 ± 9.0	200 ± 15	263	0.07	Blackish brown	faint earth	Loamy	71 ± 8.8	240 ± 16	311	0.06												
				2015/2/3	Sunny	2.1	Dark brown	faint earth	Loamy	78 ± 10	320 ± 19	398	0.07	Dark brown	faint earth	Loamy	49 ± 8.0	220 ± 16	269	0.06												
				2014/6/3	Sunny	30.0	Dark brown	faint earth	Loamy	210 ± 16	660 ± 28	870	0.07	Dark brown	faint earth	Loamy	200 ± 17	590 ± 29	790	0.07												
				2014/8/13	Sunny	30.9	Blackish brown	faint earth	Loamy	240 ± 19	710 ± 34	950	0.07	Blackish brown	faint earth	Loamy	160 ± 18	580 ± 32	740	0.06												
				2014/11/12	Cloudy	15.8	Blackish brown	faint earth	Loamy	200 ± 15	660 ± 28	860	0.07	Blackish brown	faint earth	Loamy	160 ± 16	530 ± 28	690	0.07												
				2015/1/28	Sunny	4.2	Blackish brown	faint earth	Loamy	150 ± 16	500 ± 29	650	0.08	Dark brown	faint earth	Loamy	170 ± 20	630 ± 36	800	0.09												
43	Edogawa River System	Okashiwa River	Sengen Bridge	2014/6/3	Sunny	29.1	Blackish brown	faint earth	Loamy	110 ± 11	290 ± 17	400	0.08	Dark grayish yellow	faint earth	Loamy	88 ± 9.0	250 ± 15	338	0.08												
				2014/6/25	Cloudy	25.3	Extremely dark brown	faint earth	Loamy	110 ± 11	280 ± 17	390	0.10	Dark reddish brown	faint earth	Loamy	86 ± 8.7	210 ± 14	296	0.08												
				2014/7/24	Cloudy	32.8	Blackish brown	faint earth	Loamy	120 ± 12	320 ± 21	440	0.08	Blackish brown	faint earth	Loamy	86 ± 11	330 ± 19	416	0.07												
				2014/8/13	Sunny	31.6	Blackish brown	faint earth	Loamy	140 ± 14	330 ± 22	470	0.07	Blackish brown	faint earth	Loamy	78 ± 9.3	250 ± 17	328	0.07												
				2014/9/19	Sunny	26.0	Dark brown	faint earth	Loamy	100 ± 11	280 ± 20	380	0.08	Blackish brown	faint earth	Loamy	35 ± 3.1	110 ± 5.3	145	0.07												
				2014/11/12	Cloudy	16.6	Blackish brown	faint earth	Loamy	54 ± 7.5	140 ± 12	194	0.09	Blackish brown	faint earth	Loamy	74 ± 8.7	290 ± 16	364	0.07												
				2015/1/28	Sunny	8.9	Dark brown	faint earth	Loamy	130 ± 7.2	420 ± 13	550	0.07	Blackish brown	faint earth	Loamy	43 ± 7.9	110 ± 12	153	0.08												
				2014/5/15	Cloudy	19.8	Olive brown	faint earth	Loamy	23 ± 5.1	82 ± 8.1	105	0.06	Extremely dark brown	faint earth	Loamy	280 ± 20	680 ± 31	960	0.08												
44	Mamagawa River	Mitomae Bridge	Ichikawa City	2014/8/15	Sunny	32.5	Brown	faint earth	Loamy	25 ± 4.8	76 ± 8.1	101	0.06	Dim yellowish brown	faint earth	Loamy	270 ± 18	770 ± 31	1,040	0.08												
				2014/11/14	Sunny	16.7	Dark brown	faint earth	Loamy	18 ± 4.5	60 ± 7.3	78	0.07	Blackish brown	faint earth	Loamy	220 ± 18	690 ± 32	910	0.09												
				2015/1/28	Sunny	8.6	Dark brown	faint earth	Loamy	30 ± 6.4	100 ± 11	130	0.07	Blackish brown	faint earth	Loamy	210 ± 20	680 ± 36	890	0.08												
				2014/11/28	Cloudy	15.5	Blackish brown	faint earth	Loamy	15 ± 3.4	56 ± 5.1	71	0.04	Black	faint earth	Loamy	<8.6 ± 2.8	38 ± 4.3	38	0.04												
45	Ebighawa River	Yachiyo Bridge	Funabashi City	2014/5/19	Cloudy	22.1	Olive black	faint earth	Loamy	180 ± 13	550 ± 23	730	0.07	Olive black	faint earth	Loamy	94 ± 10	270 ± 16	364	0.07												
				2014/6/25	Cloudy	24.3	Dark olive brown	faint earth	Loamy	130 ± 11	340 ± 17	470	0.07	Dark brown	faint earth	Loamy	150 ± 11	380 ± 18	530	0.07												
				2014/7/24	Cloudy	32.0	Dim yellowish orange	faint earth	Loamy	160 ± 14	550 ± 25	710	0.08	Dark brown	faint earth	Loamy	61 ± 8.6	190 ± 15	251	0.08												
				2014/8/19	Sunny	27.9	Dark brown	faint earth	Loamy	62 ± 8.5	220 ± 15	282	0.08	Dark brown	faint earth	Loamy	75 ± 8.2	200 ± 13	275	0.07												
				2014/9/19	Sunny	25.3	Dim yellowish brown	faint earth	Loamy	100 ± 12	360 ± 21	460	0.07	Dark brown	faint earth	Loamy	100 ± 11	330 ± 19	430	0.07												
				2014/11/26	Light rain	7.9	Blackish brown	faint earth	Loamy	63 ± 9.0	200 ± 15	263	0.07	Blackish brown	faint earth	Loamy	71 ± 8.8	240 ± 16	311	0.06												
				2015/2/3	Sunny	2.1	Dark brown	faint earth	Loamy	78 ± 10	320 ± 19	398	0.07	Dark brown	faint earth	Loamy	49 ± 8.0	220 ± 16	269	0.06												
				2014/6/3	Sunny	30.0	Dark brown	faint earth	Loamy	210 ± 16	660 ± 28	870	0.07	Dark brown	faint earth																	

# Chiba Lakes and Reservoirs (Water)1/2

L a k e s  R e s e r v o i r s	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water											Remarks
	No.	Water area	Location						General items						Activity concentration (Bq/L)					
									Water temperature (°C)	Sampling depth (m)	Color	Odor	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium			
																	Cs-134	Cs-137		
52	Fusashita	Surface layer	2014/6/17	Cloudy	25.8	3.2	27.4	0.5	Dark grayish greenish yellow	Faint mold	0.4	22.0	20	8.4	<0.48 ± 0.12	<0.59 ± 0.14				
		Deep layer	-	-	-	-	-	26.3	2.2	-	Faint mold	0.4	23.0	24	13	<0.63 ± 0.13	<0.62 ± 0.17			
		Surface layer	2014/9/16	Sunny	26.0	2.2	25.6	0.5	Dark grayish yellow	None	0.5	26.2	34	25	<0.59 ± 0.13	<0.68 ± 0.18				
		Deep layer	-	-	-	-	-	24.7	1.2	-	None	0.5	26.6	31	25	<0.59 ± 0.14	<0.55 ± 0.16			
		Surface layer	2014/12/15	Sunny	7.9	2.3	7.2	0.5	Dark grayish yellow	None	0.5	32.7	20	15	<0.64 ± 0.13	<0.50 ± 0.12				
		Deep layer	-	-	-	-	-	6.9	1.3	-	None	0.5	32.7	20	14	<0.64 ± 0.15	<0.73 ± 0.16			
	53	Shimoteganuma Chuo	Surface layer	2015/2/12	Sunny	12.2	2.3	7.4	0.5	Dark grayish greenish yellow	None	0.7	30.5	16	13	<0.54 ± 0.12	<0.51 ± 0.14			
			Deep layer	-	-	-	-	-	7.8	1.3	-	None	0.7	30.8	19	14	<0.59 ± 0.13	<0.62 ± 0.12		
			Surface layer	2014/6/17	Cloudy	26.4	2.0	28.0	0.5	Dark grayish greenish yellow	Faint mold	0.4	22.4	19	11	<0.65 ± 0.15	<0.68 ± 0.13			
			Deep layer	-	-	-	-	-	26.9	1.0	-	Faint mold	0.4	22.5	22	11	<0.71 ± 0.17	<0.65 ± 0.14		
			Surface layer	2014/9/16	Sunny	25.4	1.4	26.2	0.0	Dark grayish yellow	None	0.4	23.8	34	27	<0.61 ± 0.15	<0.68 ± 0.15			
			Deep layer	-	-	-	-	-	-	-	-	0.4	-	-	-	-	-	Collected only from the surface layer due to shallow water		
	54	Teganuma Chuo	Surface layer	2014/12/15	Sunny	8.5	1.3	6.9	0.0	Dark grayish yellow	None	0.4	37.9	23	14	<0.54 ± 0.12	<0.54 ± 0.14			
			Deep layer	-	-	-	-	-	-	-	0.4	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2015/2/12	Sunny	13.2	1.6	8.0	0.5	Dark grayish greenish yellow	None	0.8	32.0	23	14	<0.59 ± 0.10	<0.47 ± 0.10			
			Deep layer	-	-	-	-	-	7.6	0.6	-	None	0.8	33.2	23	15	<0.44 ± 0.13	<0.55 ± 0.12		
			Surface layer	2014/6/17	Sunny	27.6	1.6	27.3	0.5	Dark grayish greenish yellow	Faint mold	0.5	23.6	20	8.7	<0.49 ± 0.11	<0.65 ± 0.15			
			Deep layer	-	-	-	-	-	27.1	0.6	-	Faint mold	0.5	24.7	20	9.9	<0.69 ± 0.15	<0.47 ± 0.12		
	55	Nedoshita	Surface layer	2014/9/16	Sunny	27.2	1.2	27.1	0.0	Dark grayish greenish yellow	None	0.5	25.2	26	19	<0.63 ± 0.14	<0.73 ± 0.15			
			Deep layer	-	-	-	-	-	-	-	0.5	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2014/12/15	Sunny	6.9	1.3	6.8	0.0	Grayish yellow	None	0.6	36.5	15	11	<0.68 ± 0.16	<0.57 ± 0.098			
			Deep layer	-	-	-	-	-	-	-	0.6	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2015/2/12	Sunny	14.1	1.4	7.5	0.0	Dark grayish greenish yellow	None	0.8	32.4	15	13	<0.42 ± 0.079	<0.74 ± 0.16			
			Deep layer	-	-	-	-	-	-	-	0.8	-	-	-	-	-	Collected only from the surface layer due to shallow water			
56	Kita-Inbanuma Chuo	Surface layer	2014/6/17	Sunny	26.9	2.2	25.6	0.5	Dark grayish yellow	Faint mold	0.5	25.4	12	6.2	<0.75 ± 0.17	<0.68 ± 0.14				
		Deep layer	-	-	-	-	-	25.4	1.2	-	Faint mold	0.5	27.9	21	12	<0.71 ± 0.17	<0.65 ± 0.17			
		Surface layer	2014/9/16	Sunny	28.2	1.8	24.7	0.5	Dark grayish yellow	None	0.9	24.3	11	7.1	<0.63 ± 0.13	<0.65 ± 0.16				
		Deep layer	-	-	-	-	-	24.5	0.8	-	None	0.9	24.9	11	7.9	<0.65 ± 0.12	<0.55 ± 0.14			
		Surface layer	2014/12/15	Sunny	6.3	1.9	7.3	0.5	Grayish yellow green	None	1.2	31.6	6	3.9	<0.66 ± 0.12	<0.63 ± 0.16				
		Deep layer	-	-	-	-	-	7.3	0.9	-	None	1.2	34.7	5	4.1	<0.54 ± 0.11	<0.75 ± 0.17			
	57	Ipponmatsushita	Surface layer	2015/2/12	Sunny	9.2	2.0	7.3	0.5	Dark grayish greenish yellow	None	1.2	27.5	9	5.2	<0.55 ± 0.092	<0.74 ± 0.13			
			Deep layer	-	-	-	-	-	7.2	1.0	-	None	1.2	27.4	10	5.3	<0.51 ± 0.12	<0.56 ± 0.11		
			Surface layer	2014/6/17	Sunny	27.5	1.7	27.3	0.5	Soft yellow green	faint sewage	0.5	28.3	22	13	<0.63 ± 0.15	<0.55 ± 0.13			
			Deep layer	-	-	-	-	-	27.1	0.7	-	faint sewage	0.5	19.4	25	11	<0.59 ± 0.14	<0.68 ± 0.14		
			Surface layer	2014/9/16	Sunny	25.9	1.5	24.9	0.0	Dark grayish greenish yellow	faint earth	0.5	24.7	32	17	<0.66 ± 0.14	<0.50 ± 0.067			
			Deep layer	-	-	-	-	-	-	-	0.5	-	-	-	-	-	Collected only from the surface layer due to shallow water			
57	Ipponmatsushita	Surface layer	2014/12/15	Sunny	15.5	1.4	6.9	0.0	Dark grayish greenish yellow	faint earth	0.6	50.4	14	8.3	<0.69 ± 0.15	<0.57 ± 0.10				
		Deep layer	-	-	-	-	-	-	-	0.6	-	-	-	-	-	Collected only from the surface layer due to shallow water				
		Surface layer	2015/2/12	Sunny	9.2	1.6	5.4	0.5	Grayish reddish yellow	None	0.6	37.6	30	16	<0.51 ± 0.094	<0.85 ± 0.16				
		Deep layer	-	-	-	-	-	5.7	0.6	-	None	0.6	29.0	35	17	<0.61 ± 0.13	<0.66 ± 0.12			
		Surface layer	2014/6/17	Sunny	27.6	1.6	27.6	0.5	Soft yellow green	faint sewage	0.7	21.5	16	4.7	<0.56 ± 0.15	<0.51 ± 0.13				
		Deep layer	-	-	-	-	-	26.8	0.6	-	faint sewage	0.7	21.4	28	15	<0.54 ± 0.12	<0.55 ± 0.088			

# Chiba Lakes and Reservoirs (Water) 2/2

L a k e s  a n d  R e s e r v o i r s	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water										Remarks	
	No.	Water area	Location					General items						Activity concentration (Bq/L)					
								Water temperature (°C)	Sampling depth (m)	Color	Odor	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium			
																Cs-134	Cs-137		
58	Lake Inbanuma	Lower area of Josuido water intake	Surface layer	2014/6/17	Sunny	27.2	1.6	26.8	0.5	Dark grayish greenish yellow	None	0.5	24.5	26	13	<0.69 ± 0.12	<0.56 ± 0.081		
			Deep layer					26.8	0.6	-	None		23.7	27	12	<0.64 ± 0.11	<0.71 ± 0.15		
			Surface layer	2014/9/16	Sunny	26.5	1.3	26.3	0.0	Dark grayish yellow	faint earth	0.5	24.5	17	14	<0.71 ± 0.13	<0.74 ± 0.19		
			Deep layer					-	-	-	-		-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2014/12/15	Sunny	16.1	1.4	7.1	0.0	Dark grayish yellow	faint earth	0.5	34.0	15	6.3	<0.52 ± 0.11	<0.64 ± 0.14		
			Deep layer					-	-	-	-		-	-	-	-	-	Collected only from the surface layer due to shallow water	
	59	Asobashi Bridge	Asobashi Bridge	Surface layer	2015/2/12	Sunny	9.9	1.4	7.3	0.0	Dark grayish reddish yellow	None	0.5	31.6	26	17	<0.67 ± 0.14	<0.56 ± 0.14	
				Deep layer					-	-	-		-	-	-	-	-	Collected only from the surface layer due to shallow water	
				Surface layer	2014/6/17	Sunny	27.3	2.1	27.4	0.5	Dark grayish greenish yellow	None	0.9	26.5	3	4.6	<0.73 ± 0.14	<0.56 ± 0.11	
				Deep layer					26.3	1.1	-	None		25.9	16	6.5	<0.58 ± 0.11	<0.66 ± 0.13	
				Surface layer	2014/9/16	Sunny	26.2	1.4	25.3	0.0	Dark grayish greenish yellow	faint earth	0.8	26.3	12	8.0	<0.66 ± 0.12	<0.62 ± 0.13	
				Deep layer					-	-	-	-		-	-	-	-	-	Collected only from the surface layer due to shallow water
59	Asobashi Bridge	Asobashi Bridge	Surface layer	2014/12/15	Sunny	17.1	1.8	8.8	0.5	Dark grayish yellow	faint earth	0.7	44.4	12	7.7	<0.63 ± 0.14	<0.54 ± 0.11		
			Deep layer					8.4	0.8	-	faint earth		34.4	12	8.0	<0.66 ± 0.13	<0.40 ± 0.12		
			Surface layer	2015/2/12	Sunny	14.0	1.7	7.2	0.5	Grayish reddish yellow	None	0.7	35.9	39	11	<0.64 ± 0.13	<0.71 ± 0.16		
			Deep layer					7.6	0.7	-	None		32.2	21	16	<0.55 ± 0.13	<0.56 ± 0.12		

# Chiba Lakes and Reservoirs (Sediment)1/1

Station No.	Location		Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment															Activity concentration [Bq/kg(dry)]			Remarks
							General items										Grain size distribution(%)					Radioactive cesium			
	Sediment temperature (°C)	Sample length (cm)					Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand		Medium sand	Fine sand	Silt	Clay	Sediment content (%)	Density (g/cm <sup>3</sup> )	Property	Radioactive cesium				
												Coarse sand	Medium sand								Cs-134	Cs-137	Total		
Lakes and Reservoirs	52	Fusashita	2014/6/17	Cloudy	25.8	3.2	25.8	2	Black	Faint mold	0.0	6.1	3.8	1.3	14.3	54.4	8.0	12.1	55.2	2.625	Silt/sand	200 ± 11	510 ± 18	710	
			2014/9/16	Sunny	26.0	2.2	24.1	7	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	0.4	10.9	66.6	4.4	17.7	60.7	2.635	Sand/silt	170 ± 12	580 ± 21	750	
			2014/12/15	Sunny	7.9	2.3	6.8	2	Faint hydrogen sulfide	None	1.4	6.3	1.9	1.1	26.1	49.4	4.2	9.8	53.4	2.656	Sand/gravel	130 ± 11	370 ± 18	500	
		2015/2/12	Sunny	12.2	2.3	6.3	4	Faint hydrogen sulfide	None	0.0	2.4	0.6	0.6	20.4	61.6	6.6	7.8	64.7	2.648	Sand/silt	120 ± 7.9	400 ± 15	520		
		2014/6/17	Cloudy	26.4	2.0	24.9	6	Black	Faint mold	0.0	3.7	0.3	0.4	16.6	48.2	14.1	16.7	44.3	2.576	Silt	110 ± 11	330 ± 17	440		
		2014/9/16	Sunny	25.4	1.4	24.5	9	Faint hydrogen sulfide	None	0.0	6.4	0.2	0.8	14.1	40.7	18.0	19.9	39.9	2.592	Sand/silt	90 ± 12	230 ± 19	320		
	53	Lake Teganuma	Shimoteganuma Chao	2014/12/15	Sunny	8.5	1.3	8.3	6	Faint hydrogen sulfide	Faint swamp	0.0	2.1	0.2	0.2	16.3	55.3	10.0	16.0	49.9	2.669	Silt/sand	75 ± 9.6	250 ± 16	325
				2015/2/12	Sunny	13.2	1.6	6.8	6	Faint hydrogen sulfide	Faint swamp	0.0	2.7	0.1	0.3	12.4	48.5	15.9	20.0	41.7	2.610	Silt/sand	93 ± 9.7	350 ± 19	443
				2014/6/17	Sunny	27.6	1.6	26.4	6	Faint hydrogen sulfide	Faint rottenness	0.0	0.0	0.0	0.0	0.3	8.1	57.6	34.1	23.3	2.409	Silt	350 ± 26	920 ± 42	1,270
			2014/9/16	Sunny	27.2	1.2	24.3	9	Gray	faint sewage	0.0	0.0	0.0	0.0	0.5	6.9	58.4	34.2	22.3	2.392	Silt	260 ± 27	890 ± 50	1,150	
			2014/12/15	Sunny	6.9	1.3	8.2	8	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.0	1.0	1.6	54.7	42.8	21.7	2.166	Silt	310 ± 26	990 ± 47	1,300	
			2015/2/12	Sunny	14.1	1.4	7.0	8	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.0	1.0	7.3	55.3	36.4	22.8	2.400	Silt/sand	300 ± 25	930 ± 44	1,230	
54	Lake Teganuma	Teganuma Chao	2014/6/17	Sunny	28.9	2.2	24.0	5	Faint hydrogen sulfide	Faint rottenness	0.0	0.0	0.0	0.2	1.1	12.1	60.9	25.8	28.8	2.390	Silt	1,500 ± 47	4,200 ± 79	5,700	
			2014/9/16	Sunny	28.2	1.8	23.9	9	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.1	1.8	12.2	49.0	36.9	29.2	2.402	Silt	1,200 ± 49	3,500 ± 85	4,700	
			2014/12/15	Sunny	6.3	1.9	9.8	8	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.2	2.5	10.0	51.5	35.8	29.8	2.480	Silt	800 ± 36	2,800 ± 65	3,600	
		2015/2/12	Sunny	9.2	2.0	7.1	7	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.1	2.0	15.0	47.1	35.9	28.4	2.407	Silt/sand	860 ± 37	3,200 ± 71	4,060		
		2014/6/17	Sunny	27.5	1.7	25.3	8	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.0	1.3	4.4	50.8	43.5	23.7	2.444	Silt	100 ± 15	260 ± 23	360		
		2014/9/16	Sunny	25.9	1.5	24.0	8	Faint hydrogen sulfide	Faint earth	0.0	0.0	0.0	0.0	0.1	0.3	55.0	44.7	19.7	2.479	Silt	120 ± 24	360 ± 37	480		
55	Lake Teganuma	Nedoshita	2014/12/15	Sunny	15.5	1.4	9.2	7	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.1	0.1	51.1	48.8	20.0	2.445	Silt	110 ± 20	340 ± 29	450		
			2015/2/12	Sunny	9.2	1.6	6.4	7	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.0	0.1	0.4	49.8	49.8	20.6	2.395	Silt	50 ± 15	300 ± 27	350	
			2014/6/17	Sunny	27.6	1.6	24.8	5	Black	Faint swamp	0.0	0.0	0.0	0.1	0.7	6.2	57.7	35.4	23.3	2.421	Silt	73 ± 14	240 ± 22	313	
		2014/9/16	Sunny	25.8	1.5	23.8	7	Faint hydrogen sulfide	faint earth	0.0	0.0	0.0	0.1	1.0	6.5	55.9	36.5	23.0	2.418	Silt	100 ± 14	330 ± 22	430		
		2014/12/15	Sunny	15.4	1.4	9.1	7	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.0	0.3	1.5	57.2	41.0	20.9	2.437	Silt	130 ± 18	390 ± 31	520		
		2015/2/12	Sunny	9.3	1.4	7.1	7	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.0	0.8	7.2	48.9	43.0	21.9	2.399	Silt	110 ± 17	380 ± 29	490		
56	Lake Inbanuma	Kita-Inbanuma Chao	2014/12/15	Sunny	15.5	1.4	9.2	7	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.0	0.5	19.7	44.9	34.8	27.3	2.380	Silt	200 ± 19	560 ± 30	760	
			2014/6/17	Sunny	27.2	1.6	25.1	9	Greenish black	Medium swamp	0.0	0.0	0.0	0.0	0.5	19.7	44.9	34.8	27.3	2.380	Silt	200 ± 19	560 ± 30	760	
			2014/9/16	Sunny	26.5	1.3	23.4	8	Faint hydrogen sulfide	faint earth	0.0	0.0	0.0	0.1	0.9	24.4	41.7	33.0	27.4	2.442	Silt	160 ± 21	570 ± 36	730	
		2014/12/15	Sunny	16.1	1.4	9.0	5	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.0	0.3	3.6	51.6	44.4	25.6	2.465	Silt	180 ± 18	510 ± 31	690		
		2015/2/12	Sunny	9.9	1.4	7.2	10	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.0	0.0	0.6	17.6	41.1	40.8	26.2	2.380	Silt	130 ± 18	490 ± 30	620		
		2014/6/17	Sunny	27.3	2.1	24.2	3	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.2	0.5	52.3	40.2	1.5	5.2	77.4	2.630	Sand	32 ± 3.9	89 ± 5.9	121		
57	Lake Inbanuma	Lower area of Inaudo water intake	2014/9/16	Sunny	26.2	1.4	23.8	4	Blackish brown	faint earth	0.0	0.2	0.2	0.5	28.0	64.9	1.6	4.6	65.1	2.614	Sand	120 ± 9.3	340 ± 15	460	
			2014/12/15	Sunny	17.1	1.8	8.8	3	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.2	0.1	15.7	45.9	17.1	21.1	50.9	2.606	Silt/sand	64 ± 7.6	240 ± 14	304	
			2015/2/12	Sunny	14.0	1.7	6.8	5	Black	faint sewage	0.0	0.0	0.2	0.5	26.5	63.4	3.8	5.6	64.4	2.614	Sand/silt	78 ± 6.6	260 ± 12	338	
			2014/6/17	Sunny	27.3	2.1	24.2	3	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.2	0.5	52.3	40.2	1.5	5.2	77.4	2.630	Sand	32 ± 3.9	89 ± 5.9	121	
58	Lake Inbanuma	Asobashi Bridge	2014/6/17	Sunny	27.3	2.1	24.2	3	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.2	0.5	52.3	40.2	1.5	5.2	77.4	2.630	Sand	32 ± 3.9	89 ± 5.9	121	
			2014/12/15	Sunny	17.1	1.8	8.8	3	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.2	0.1	15.7	45.9	17.1	21.1	50.9	2.606	Silt/sand	64 ± 7.6	240 ± 14	304	
59	Lake Inbanuma	Asobashi Bridge	2014/6/17	Sunny	27.3	2.1	24.2	3	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.2	0.5	52.3	40.2	1.5	5.2	77.4	2.630	Sand	32 ± 3.9	89 ± 5.9	121	
			2014/12/15	Sunny	17.1	1.8	8.8	3	Faint hydrogen sulfide	Faint swamp	0.0	0.0	0.2	0.1	15.7	45.9	17.1	21.1	50.9	2.606	Silt/sand	64 ± 7.6	240 ± 14	304	



# Chiba Lakes and Reservoirs (Surrounding Environment) 1/1

	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)							Remarks				
							Soil						Air Dose (μSv/h)					
	General items																	
	No.	Water area	Location				Color	Odor	Property	Activity concentration [Bq/kg(dry)]								
Radioactive cesium																		
			Cs-134	Cs-137	Total													
L a k e s  a n d  R e s e r v o i r s	52	Lake Teganuma	Fusashita	2014/6/17	Cloudy	25.8	-	-	-	-	-	-	-	-	-	No sampling location		
				2014/9/16	Sunny	26.0	-	-	-	-	-	-	-	-	-	-	No sampling location	
				2014/12/15	Sunny	7.9	-	-	-	-	-	-	-	-	-	-	-	No sampling location
				2015/2/12	Sunny	12.2	-	-	-	-	-	-	-	-	-	-	-	No sampling location
	53	Lake Teganuma	Shimoteganuma Chuo	2014/6/17	Cloudy	26.4	Dark brown	faint earth	Loamy	260 ± 18	730 ± 31	990	0.10					
				2014/9/16	Sunny	25.4	Dark olive brown	faint earth	Loamy	220 ± 15	600 ± 25	820	0.11					
				2014/12/15	Sunny	8.5	Dark brown	faint earth	Loamy	190 ± 14	600 ± 25	790	0.10					
				2015/2/12	Sunny	13.2	Blackish brown	faint earth	Loamy	180 ± 12	570 ± 21	750	0.09					
	54	Lake Teganuma	Teganuma Chuo	2014/6/17	Sunny	27.6	-	-	-	-	-	-	-	-	-	-	No sampling location	
				2014/9/16	Sunny	27.2	-	-	-	-	-	-	-	-	-	-	-	No sampling location
				2014/12/15	Sunny	6.9	-	-	-	-	-	-	-	-	-	-	-	No sampling location
				2015/2/12	Sunny	14.1	-	-	-	-	-	-	-	-	-	-	-	No sampling location
	55	Lake Teganuma	Nedoshita	2014/6/17	Sunny	26.9	Blackish brown	faint earth	Loamy	340 ± 23	990 ± 40	1,330	0.16					
				2014/9/16	Sunny	28.2	Blackish brown	faint earth	Loamy	840 ± 34	2,300 ± 58	3,140	0.15					
				2014/12/15	Sunny	6.3	Blackish brown	faint earth	Loamy	1,000 ± 42	3,400 ± 78	4,400	0.15					
				2015/2/12	Sunny	9.2	Extremely dark brown	faint earth	Loamy	720 ± 28	2,400 ± 52	3,120	0.14					
	56	Lake Inbanuma	Kita-Inbanuma Chuo	2014/6/17	Sunny	27.5	Dark olive brown	faint earth	Loamy	110 ± 11	290 ± 18	400	0.13					
				2014/9/16	Sunny	25.9	Faint hydrogen sulfide	faint earth	Loamy	170 ± 12	570 ± 22	740	0.13					
				2014/12/15	Sunny	15.5	Blackish brown	faint earth	Loamy	170 ± 14	540 ± 24	710	0.13					
				2015/2/12	Sunny	9.2	Blackish brown	faint earth	Loamy	170 ± 11	620 ± 21	790	0.13					
57	Lake Inbanuma	Ipponmatsushita	2014/6/17	Sunny	27.6	-	-	-	-	-	-	-	-	-	-	No sampling location		
			2014/9/16	Sunny	25.8	-	-	-	-	-	-	-	-	-	-	-	No sampling location	
			2014/12/15	Sunny	15.4	-	-	-	-	-	-	-	-	-	-	-	No sampling location	
			2015/2/12	Sunny	9.3	-	-	-	-	-	-	-	-	-	-	-	No sampling location	
58	Lake Inbanuma	Lower area of Josuido water intake	2014/6/17	Sunny	27.2	-	-	-	-	-	-	-	-	-	-	No sampling location		
			2014/9/16	Sunny	26.5	-	-	-	-	-	-	-	-	-	-	-	No sampling location	
			2014/12/15	Sunny	16.1	-	-	-	-	-	-	-	-	-	-	-	No sampling location	
			2015/2/12	Sunny	9.9	-	-	-	-	-	-	-	-	-	-	-	No sampling location	
59	Lake Inbanuma	Asobashi Bridge	2014/6/17	Sunny	27.3	Dark brown	faint earth	Loamy	89 ± 10	250 ± 18	339	0.08						
			2014/9/16	Sunny	26.2	Blackish brown	faint earth	Loamy	330 ± 19	980 ± 33	1,310	0.09						
			2014/12/15	Sunny	17.1	Blackish brown	faint earth	Loamy	200 ± 15	650 ± 28	850	0.08						
			2015/2/12	Sunny	14.0	Blackish brown	faint earth	Loamy	130 ± 12	460 ± 21	590	0.08						



# Chiba Coastal (Sediment) 1/1

No.	Location		Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																	Remarks		
							General items										Activity concentration (Bq/kgdry)									
	Sediment temperature (°C)	Sample length (cm)					Color	Odor	Grain size distribution(%)			Grain size distribution(%)				Sediment content (%)	Density (g/cm <sup>3</sup> )	Property	Radioactive cesium							
									Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt				Clay	Cs-134	Cs-137	Total				
C o a s t a l	60	Tokyo Bay 7	Offshore of Yorigawa River Estuary	2014/6/4	Sunny	27.1	8.2	18.9	3	Faint hydrogen sulfide	Medium hydrogen sulfide	0.0	0.0	0.1	0.2	1.0	6.9	49.2	42.6	35.0	2,581	Silt/clay	4.7 ± 1.4	11 ± 1.7	15.7	
				2014/9/3	Cloudy	24.0	9.3	21.7	3	Faint hydrogen sulfide	Dim yellow	0.0	0.4	0.3	0.5	1.9	12.8	43.4	40.7	86.0	2,608	Silt/clay	4.1 ± 0.66	11 ± 0.77	15.1	
				2014/12/10	Sunny	8.2	9.1	14.3	3	Gray	None	0.0	0.0	0.4	0.5	1.3	4.8	36.2	56.8	38.8	2,642	Silt/clay	1.3 ± 0.39	3.0 ± 0.39	4.3	
				2015/2/5	Light rain	3.8	8.7	9.4	3	Faint hydrogen sulfide	None	0.0	3.7	2.6	1.9	13.7	48.4	11.2	18.5	58.3	2,652	Sand	2.1 ± 0.50	4.6 ± 0.56	6.7	
				2014/6/4	Sunny	26.8	8.5	18.8	3	Faint hydrogen sulfide	Medium hydrogen sulfide	0.0	0.0	0.4	0.2	1.5	8.5	61.4	28.0	34.3	2,601	Silt	7.5 ± 1.5	21 ± 1.7	28.5	
				2014/9/3	Cloudy	24.3	8.9	21.6	3	Black	Medium hydrogen sulfide	0.0	0.0	0.0	0.0	0.5	5.5	68.6	25.4	80.0	2,592	Silt/sand	9.6 ± 2.7	20 ± 3.7	29.6	
	C o a s t a l	61	Tokyo Bay 5	Offshore of Miyako River Estuary	2014/12/10	Sunny	8.4	8.7	14.6	3	Faint hydrogen sulfide	Medium hydrogen sulfide	0.0	0.0	0.0	0.2	1.3	7.4	59.2	31.9	35.3	2,600	Silt	<6.8 ± 2.3	21 ± 3.2	21
					2015/2/5	Light rain	3.5	8.5	10.2	3	Faint hydrogen sulfide	Medium hydrogen sulfide	0.0	0.0	0.0	0.2	0.9	5.6	71.2	22.1	31.3	2,591	Silt	<5.8 ± 1.9	20 ± 2.5	20
					2014/6/4	Sunny	26.5	5.0	20.4	3	Faint hydrogen sulfide	Medium hydrogen sulfide	0.0	0.4	0.3	0.2	0.8	40.9	46.0	11.3	68.3	2,664	Silt	8.3 ± 1.4	14 ± 1.9	20.5
					2014/7/1	Sunny	37.1	4.5	20.2	3	Faint hydrogen sulfide	Medium hydrogen sulfide	0.0	0.0	0.0	0.1	0.5	31.9	51.4	16.1	70.8	2,673	Silt	<8.6 ± 2.3	11 ± 3.6	11
					2014/8/20	Sunny	29.6	4.7	28.3	3	Faint hydrogen sulfide	None	0.0	0.1	0.0	0.1	0.4	34.7	54.6	10.1	67.5	2,672	Sand/silt	2.5 ± 0.42	8.4 ± 0.53	10.9
					2014/9/3	Cloudy	22.6	5.3	22.5	3	Faint hydrogen sulfide	Dim yellow	0.0	0.0	0.0	0.1	0.8	34.6	49.1	15.5	66.2	2,692	Sand/silt	<6.3 ± 1.9	14 ± 2.7	14
C o a s t a l		62	Coastal sea area of Makuhari	Offshore of Inbanuma Discharge Channel	2014/6/4	Sunny	27.1	5.3	22.4	3	Faint hydrogen sulfide	Dim yellow	0.0	0.0	0.1	0.6	19.4	57.8	22.0	68.4	2,670	Sand/silt	<9.3 ± 2.8	16 ± 3.2	16	
					2014/12/10	Sunny	8.6	6.5	15.2	3	Black	Dim yellow	0.0	0.0	0.0	0.2	5.1	83.0	11.6	65.3	2,683	Silt/sand	<6.7 ± 2.2	14 ± 3.1	14	
					2015/2/5	Light snow	2.8	4.6	9.1	3	Faint hydrogen sulfide	Dim yellow	0.0	0.0	0.0	0.0	0.4	15.1	69.2	15.4	58.6	2,664	Silt	<8.4 ± 2.7	19 ± 3.5	19
					2014/6/4	Sunny	26.8	6.2	20.2	4	Faint hydrogen sulfide	Medium hydrogen sulfide	1.7	16.1	3.2	1.0	5.8	41.5	18.8	12.0	64.2	2,693	Sand/silt	<6.3 ± 2.0	13 ± 2.5	13
					2014/9/3	Cloudy	25.8	6.3	22.6	3	Faint hydrogen sulfide	faint sewage	0.0	2.3	1.2	1.2	6.9	72.4	6.1	9.9	74.0	2,736	Sand	<0.97 ± 0.32	3.0 ± 0.37	3.0
					2014/12/10	Sunny	8.7	6.3	12.5	3	Faint hydrogen sulfide	faint sewage	2.3	9.3	2.4	1.1	3.9	23.7	41.7	14.5	63.5	2,722	Sand	1.3 ± 0.37	4.2 ± 0.44	5.5
C o a s t a l	63	Approx. 1 km offshore of Ebisawa River Estuary	Coastal area of Keijo Port (Ebisawa River Estuary)	2015/2/5	Light snow	2.6	6.0	9.2	3	Faint hydrogen sulfide	None	0.0	0.6	0.9	6.0	84.8	2.0	6.1	71.2	2,705	Sand	<0.84 ± 0.28	2.7 ± 0.33	2.7		
				2014/6/4	Sunny	26.5	4.0	22.4	3	Faint hydrogen sulfide	Medium hydrogen sulfide	0.0	0.4	0.1	0.5	5.9	68.3	11.1	13.8	61.0	2,628	Sand/silt	<8.0 ± 2.4	19 ± 3.4	19	
				2014/9/3	Cloudy	25.4	5.0	23.1	3	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	0.4	10.9	74.5	4.6	9.5	65.5	2,608	Sand	1.4 ± 0.44	4.8 ± 0.54	6.2	
				2014/12/10	Sunny	8.9	5.3	12.1	3	Faint hydrogen sulfide	faint sewage	0.0	0.0	0.1	0.5	11.4	62.3	15.1	10.7	63.1	2,587	Sand	1.6 ± 0.35	6.0 ± 0.41	7.6	
				2015/2/5	Light snow	2.9	3.5	8.6	3	Faint hydrogen sulfide	None	0.0	0.3	0.1	0.2	5.6	90.0	1.4	2.5	68.2	2,650	Sand	1.1 ± 0.32	2.8 ± 0.43	3.9	
				2015/2/5	Light snow	2.9	3.5	8.6	3	Faint hydrogen sulfide	None	0.0	0.3	0.1	0.2	5.6	90.0	1.4	2.5	68.2	2,650	Sand	1.1 ± 0.32	2.8 ± 0.43	3.9	

