

FY2012 Chiba Prefecture Survey Results

[Survey Results]

Radioactive iodine was not detectable at any of the locations tested.

Water Quality

Rivers

Cs-134: ND

Cs-137: ND -1.3Bq/ L

Lakes and headwaters, and coasts

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

Sediment

Rivers

Cs-134: 7.5-8,200Bq/kg (dried mud)

Cs-137: 17-12,000Bq/kg (dried mud)

Lakes and headwaters

Cs-134: 170-2,900Bq/kg (dried mud)

Cs-137: 280-5,400Bq/kg (dried mud)

Coasts

Cs-134: ND-53Bq/kg (dried mud)

Cs-137: ND-81Bq/kg (dried mud)

Surrounding Environment

(1) Soil

Rivers

Cs-134: 9.9-4,000Bq/kg (dry)

Cs-137: 14-6,200Bq/kg (dry)

Lakes and headwaters

Cs-134: 100-620Bq/kg (dry)

Cs-137: 150-1,100Bq/kg (dry)

(2) Spatial dose

Rivers 0.05-0.42 μ Sv/h

Lakes and headwaters 0.1-0.23 μ Sv/h

Table 4.7.1.1 Chiba Pref. River (Water Quality)

No.	Sampling point			Sampling date	Weather	Air temperature ℃	Full depth m	Water quality										Remarks			
	Water Body	Point	Municipality					General items						Radioactive material concentrations (Bq/L)							
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Radioactive cesium Cs-137		
R i v e r s	1	Shogengawa River	Fukamobashi Bridge	Inzai City/Sakaemachi Town	2012/06/01	Cloudy	23.1	1.9	22.8	0.0	Dark grayish yellow	None	24	23.3	9.1	4.2	-0.48	-0.53	-0.52		
					2012/08/03	Sunny	32.0	1.5	31.1	0.0	Grayish reddish yellow	None	14	31.6	8.3	3.4	-0.49	-0.56	-0.60		
					2012/11/01	Sunny	21.1	1.7	17.6	0.0	Grayish greenish yellow	None	24	30.1	9.0	6.4	-0.51	-0.64	-0.63		
			2	Shirabeibashi Bridge	Inzai City/Sakaemachi Town	Inzai City/Sakaemachi Town	2013/01/16	Sunny	4.7	1.9	5.0	0.0	Dark grayish yellow	None	38	19.2	6.3	5.4	-0.64	-0.70	-0.62
							2012/06/01	Sunny	25.2	1.5	23.3	0.0	Dark grayish yellow green	None	18	24.7	15	5.9	-0.50	-0.65	-0.49
							2012/08/03	Sunny	33.0	0.5	29.9	0.0	Grayish greenish yellow	None	24	26.2	6.8	2.4	-0.57	-0.66	-0.66
	3	Nagatogawa River			Intake at Maeshinden Water Purification Plant	Sakaemachi Town	2012/11/01	Sunny	17.0	1.2	17.1	0.0	Grayish yellow	None	13	26.1	47	34	-0.53	-0.64	-0.63
							2013/01/16	Cloudy	4.8	2.5	4.3	0.0	Dark grayish yellow	None	16	18.4	23	15	-0.50	-0.69	-0.44
							2012/06/01	Sunny	27.1	0.4	25.5	0.0	Dark grayish greenish yellow	None	21	25.8	18	7.3	-0.59	-0.70	-0.78
			4	Nagatogawa River	Nagatobashi Bridge	Sakaemachi Town	2012/08/03	Sunny	30.7	0.4	31.8	0.0	Dark grayish yellow	None	26	25.3	12	3.6	-0.45	-0.66	-0.59
							2012/11/01	Sunny	16.4	0.5	18.5	0.0	Light grayish yellow	None	13	25.2	37	29	-0.64	-0.67	-0.56
							2013/01/16	Cloudy	3.9	0.7	5.2	0.0	Dark grayish greenish yellow	None	18	18.7	21	14	-0.51	-0.59	-0.51
	5	Fujimibashi Bridge			Sakaemachi Town	Sakaemachi Town	2012/05/31	Cloudy	23.0	0.2	24.1	0.0	Dark grayish yellow	None	17	24.6	15	5.4	-0.50	-0.71	-0.63
							2012/08/03	Sunny	32.5	0.3	31.4	0.0	Dark grayish yellow	None	24	26.8	12	3.6	-0.66	-0.90	-0.66
							2012/11/01	Sunny	16.8	0.2	18.3	0.0	Light grayish yellow	None	18	26.3	23	23	-0.51	-0.56	-0.54
			6	Ryudatogawa River	Ryumatsunobashi Bridge	Narita City	2013/01/16	Cloudy	4.4	0.6	5.2	0.0	Dark grayish greenish yellow	None	19	18.8	23	15	-0.50	-0.48	-0.52
							2012/05/31	Sunny	24.5	0.9	23.4	0.0	Dark grayish yellow green	None	22	25.3	13	4.1	-0.63	-0.92	-0.71
							2012/08/01	Cloudy	32.0	0.3	29.9	0.0	Light grayish greenish yellow	Faint fish and shellfish	29	22.8	14	4.3	-0.65	-0.75	-0.56
	7	Nekongawa River			Shinkawa Floodgate	Narita City	2012/11/01	Sunny	19.8	1.2	17.5	0.0	Light grayish greenish yellow	None	53	24.6	8.9	7.2	-0.51	-0.64	-0.62
							2013/01/16	Sunny	3.7	1.3	4.7	0.0	Dark grayish yellow	None	17	18.3	21	15	-0.54	-0.64	-0.47
							2012/05/31	Cloudy	23.3	0.3	21.8	0.0	Dark grayish yellow	None	31	51.1	13	5.7	-0.60	-0.66	-0.58
			8	Obogawa River	Kitakashiwabashi Bridge	Kashiwashi City	2012/08/01	Cloudy	31.0	0.2	28.6	0.0	Grayish greenish yellow	None	80	49.5	11	3.6	-0.50	-0.56	-0.53
							2012/11/02	Sunny	18.6	0.3	15.0	0.0	Grayish greenish yellow	None	35	135.4	15	10	-0.51	-0.70	-0.72
							2013/01/25	Sunny	11.5	0.2	8.6	0.0	Reddish yellowish dark gray	None	44	116.6	14	12	-0.50	-0.85	-0.64
9	Otogawa River	Sannobashi Bridge, under			Kamagayashi City	2012/05/31	Cloudy	26.1	1.7	23.5	0.0	Dark grayish yellow green	None	37	76.8	8.5	4.0	-0.46	-0.63	-0.54	
						2012/08/01	Sunny	36.0	0.9	31.5	0.0	Greenish yellowish white	Faint sewage	32	16.7	10	5.5	-0.55	-0.53	-0.60	
						2012/11/02	Sunny	18.6	1.8	16.4	0.0	Grayish greenish yellow	None	47	122.4	7.3	5.0	-0.69	-0.51	-0.66	
		10	Kaminumabashi Bridge	Kashiwashi City	Kashiwashi City	2013/01/25	Sunny	9.3	2.0	7.5	0.0	Dark grayish greenish yellow	None	47	52.3	6.1	4.7	-0.46	-0.56	-0.52	
						2012/05/22	Rain	15.0	0.8	16.7	0.0	Dull yellowish green	None	67	37.6	3.9	1.4	-0.65	-0.66	-0.60	
						2012/08/02	Sunny	34.5	1.5	30.0	0.0	Dark grayish yellow green	Faint sewage	75	34.5	6.6	2.0	-0.49	-0.48	0.50	
11	Someiriotoshi			Someishinabashi Bridge	Kashiwashi City	2012/11/05	Cloudy	15.9	0.2	15.9	0.0	Greenish yellowish pale gray	None	>100	35.3	4.1	2.1	-0.61	-0.85	-0.73	
						2013/01/18	Sunny	4.6	0.3	6.1	0.0	Grayish greenish yellow	None	>100	24.1	3.1	2.4	-0.71	-0.63	-0.58	
						2012/05/22	Rain	14.8	0.1	16.6	0.0	Light grayish greenish yellow	Sewage	10	19.0	31	7.1	-0.67	-0.81	0.93	
		12	Downstream of Kanuzawakabashi Bridge	Kamagayashi City/Shiroishi City	Kamagayashi City/Shiroishi City	2012/08/02	Sunny	38.0	0.2	29.4	0.0	Light grayish greenish yellow	None	52	42.3	7.1	2.3	-0.65	-0.70	-0.58	
						2012/11/05	Cloudy	13.1	0.2	14.6	0.0	Yellowish light gray	None	78	46.9	7.0	4.4	-0.51	-0.65	-0.59	
						2013/01/21	Sunny	9.2	0.3	10.2	0.0	Grayish greenish yellow	None	>100	54.1	1.3	1.7	-0.57	-0.68	-0.62	
13	Nauchbashi Bridge			Shiroishi City	Shiroishi City	2012/05/22	Rain	15.0	0.3	16.2	0.0	Dark yellowish green	None	39	47.1	12	5.8	-0.54	-0.59	0.77	
						2012/08/02	Sunny	35.0	0.4	26.9	0.0	Dark grayish greenish yellow	None	51	54.4	11	3.5	-0.46	-0.65	-0.54	
						2012/11/05	Cloudy	15.0	0.3	13.9	0.0	Light grayish yellow green	None	>100	67.9	4.1	2.8	-0.54	-0.50	-0.59	
		13	Nauchbashi Bridge	Shiroishi City	Shiroishi City	2013/01/18	Sunny	6.5	0.5	7.9	0.0	Grayish yellow	None	>100	39.6	2.1	1.7	-0.54	-0.69	-0.49	
						2012/05/22	Rain	15.7	0.8	16.8	0.0	Dark yellow green	None	24	20.6	12	6.2	-0.63	-0.64	-0.65	
						2012/08/02	Sunny	34.7	0.6	32.5	0.0	Dark grayish greenish yellow	None	27	35.4	14	5.6	-0.52	-0.59	-0.62	
13	Nauchbashi Bridge			Shiroishi City	Shiroishi City	2012/11/05	Cloudy	13.3	0.6	15.1	0.0	Light grayish greenish yellow	None	78	42.9	3.9	3.5	-0.58	-0.66	-0.76	
						2013/01/18	Sunny	4.2	0.2	10.0	0.0	Grayish yellow	None	38	34.5	5.8	3.7	-0.57	-0.66	-0.59	
						2012/05/23	Sunny	24.1	1.7	20.3	0.0	Dark grayish yellow green	None	36	16.8	4.2	2.5	-0.66	-0.87	-0.64	
		13	Nauchbashi Bridge	Shiroishi City	Shiroishi City	2012/08/08	Sunny	29.8	1.0	29.0	0.0	Dark grayish yellow green	None	37	19.0	4.3	2.0	-0.50	-0.63	-0.61	
						2012/11/16	Sunny	15.5	0.6	14.1	0.0	Greenish yellowish white	None	>100	47.8	1.2	1.4	-0.54	-0.71	-0.49	
						2013/01/21	Sunny	13.7	0.3	11.8	0.0	Dark grayish greenish yellow	None	>100	50.3	3.1	1.5	-0.66	-0.70	-0.64	
13	Nauchbashi Bridge			Shiroishi City	Shiroishi City	2012/05/23	Sunny	24.8	0.6	22.6	0.0	Dark grayish yellow green	None	29.5	25.1	8.3	3.6	-0.57	-0.72	-0.66	
						2012/08/08	Sunny	27.5	0.6	27.4	0.0	Dark grayish greenish yellow	None	21	30.8	14	3.5	-0.45	-0.61	-0.57	
						2012/11/08	Sunny	17.8	0.4	16.3	0.0	Light grayish yellow	None	>100	38.6	4.6	2.2	-0.65	-0.63	-0.60	
		13	Nauchbashi Bridge	Shiroishi City	Shiroishi City	2013/01/18	Sunny	4.7	0.4	8.2	0.0	Dark grayish yellow	None	>100	25.0	1.5	1.3	-0.59	-0.70	-0.70	

Table 4.7.1.1 Chiba Pref. River (Water Quality)

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Water quality										Remarks	
No.	Water Body	Point	Municipality					General items						Radioactive material concentrations (Bq/L)					
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Radioactive cesium Cs-137
R i v e r s	Feeder rivers of Tegama Lake	Kamenarigawa River	Kamenaribashi Bridge	Inzaishi City	2012/05/23	Cloudy	18.9	0.6	22.0	0.0	Dark grayish greenish yellow	None	31	23.8	14	4.8	-0.67	-0.66	-0.78
					2012/08/08	Sunny	28.8	0.4	29.6	0.0	Dark grayish yellow green	None	35	30.8	7.6	1.9	-0.51	-0.61	-0.57
					2012/11/08	Sunny	21.9	0.5	17.1	0.0	Grayish reddish yellow	None	75	34.7	3.9	2.5	-0.49	-0.72	-0.65
					2013/01/18	Sunny	3.7	0.8	5.6	0.0	Dark grayish greenish yellow	None	88	23.6	3.7	2.5	-0.53	-0.67	-0.49
	15	Igasasuiro Channel	Downstream of Igasasuiro Channel	Kamagayashi City	2012/05/23	Sunny	24.3	0.1	20.4	0.0	Light grayish green	None	57	20.2	3.6	3.4	-0.50	-0.58	-0.59
					2012/08/17	Sunny	35.5	0.1	32.0	0.0	Grayish greenish yellow	Faint sewage	36	45.3	7.7	3.2	-0.60	-0.66	0.71
					2012/11/16	Sunny	17.5	0.1	14.8	0.0	Light grayish greenish yellow	None	>100	61.4	1.9	2.6	-0.45	-0.66	-0.47
					2013/01/21	Sunny	12.1	0.1	8.4	0.0	Light grayish greenish yellow	Sewage	55	32.8	3.7	4.4	-0.53	-0.61	-0.50
	16	Futaegawa River	Tomiyagabashi Bridge	Funabashi City/Shiroishi City	2012/05/24	Sunny	26.8	0.2	22.3	0.0	colorless transparent	None	>100	33.1	1.9	1.7	-0.61	-0.72	-0.63
					2012/08/17	Sunny	32.7	0.2	27.4	0.0	Light grayish yellow green	None	>100	38.6	<1	1.0	-0.42	-0.67	-0.63
					2012/11/16	Sunny	15.4	0.2	14.8	0.0	Grayish greenish yellow	None	>100	48.4	<1	0.7	-0.64	-0.63	-0.54
					2013/01/21	Sunny	11.2	0.4	11.1	0.0	Grayish reddish yellow	None	>100	46.4	<1	0.8	-0.52	-0.74	-0.55
	17	Kanzakigawa River	Kanzakibashi Bridge	Yachiyo City/Inzaishi City	2012/05/24	Cloudy	26.8	1.5	22.4	0.0	Dark grayish greenish yellow	None	52	22.8	9.1	6.2	-0.51	-0.63	-0.59
					2012/08/17	Sunny	33.1	2.0	31.5	0.0	Dark grayish yellow green	None	20	37.4	7.3	3.4	-0.65	-0.78	-0.66
					2012/11/07	Sunny	18.5	1.5	16.3	0.0	Dark grayish reddish yellow	None	36	29.3	12	11	-0.50	-0.67	-0.59
					2013/01/29	Sunny	10.1	1.6	7.5	0.0	Dark grayish greenish yellow	None	64	46.3	5.2	4.0	-0.45	-0.53	-0.59
	18	Kamogawa River	Kamobashi Bridge	Yachiyo City	2012/05/24	Cloudy	23.7	0.7	21.2	0.0	Dark grayish yellow green	None	77	29.7	8.8	3.1	-0.70	-0.75	-0.75
					2012/08/06	Sunny	26.5	1.0	26.1	0.0	Grayish yellow	None	25	21.8	20	8.6	-0.55	-0.77	-0.63
					2012/11/07	Sunny	18.0	0.5	18.0	0.0	Dark grayish greenish yellow	None	46	38.3	6.2	5.5	-0.53	-0.68	-0.62
					2013/01/29	Sunny	8.0	0.5	7.5	0.0	Dark grayish greenish yellow	None	74	49.7	3.2	3.4	-0.50	-0.59	-0.55
	19	Inba Discharge Channel (upper reaches)	Yachiyoabashi Bridge	Yachiyo City	2012/05/24	Cloudy	21.7	3.3	21.0	0.0	Dark grayish yellow green	None	26	23.8	21	9.4	-0.46	-0.65	-0.52
					2012/08/06	Cloudy	27.6	4.5	28.3	0.0	Light grayish yellow	None	22	31.2	14	6.4	-0.48	-0.63	-0.60
					2012/11/07	Sunny	17.4	3.0	17.4	0.0	Grayish greenish yellow	None	33	24.4	17	14	-0.72	-0.75	-0.62
					2013/01/29	Sunny	8.7	2.8	7.0	0.0	Dark grayish greenish yellow	None	25	43.1	17	11	-0.67	-0.70	-0.71
	20	Tegarigawa River	Mumeibashi Bridge	Sakurashi City	2012/05/25	Cloudy	21.8	0.7	19.1	0.0	Dark blue green	None	78	31.6	6.5	2.7	-0.54	-0.53	-0.49
					2012/08/06	Rain	25.0	0.6	25.2	0.0	Dark grayish yellow	None	30	19.1	36	6.5	-0.59	-0.80	0.81
2012/11/07					Sunny	19.2	0.3	18.4	0.0	Light grayish greenish yellow	None	87	34.0	6.1	3.3	-0.48	-0.58	-0.60	
2013/01/29					Sunny	10.4	0.3	9.1	0.0	Grayish greenish yellow	None	>100	41.6	2.3	1.6	-0.48	-0.63	-0.54	
21	Morotogawa River	Montobashi Bridge	Inzaishi City	2012/05/25	Cloudy	23.0	1.0	21.6	0.0	Yellowish dark gray	None	31	22.0	8.3	5.7	-0.54	-0.58	-0.60	
				2012/08/06	Rain		1.0	28.1	0.0	Light grayish yellow	None	31	30.3	8.6	2.7	-0.46	-0.47	-0.59	
				2012/11/07	Sunny	19.4	1.0	17.4	0.0	Grayish greenish yellow	None	45	18.1	11	7.6	-0.55	-0.59	-0.62	
				2013/01/29	Sunny	9.8	0.8	6.7	0.0	Dark grayish yellow green	None	>100	32.3	<1	1.5	-0.65	-0.72	-0.70	
22	Kashimagawa River	Iwatombashi Bridge	Inzaishi City	2012/05/25	Cloudy	21.5	1.0	19.7	0.0	Grayish yellow	None	71	23.0	5.8	3.0	-0.50	-0.70	-0.54	
				2012/08/07	Sunny	34.5	0.6	26.5	0.0	Strong yellow	None	47	27.2	9.4	1.7	-0.45	-0.72	-0.56	
				2012/11/08	Sunny	18.0	0.6	14.4	0.0	Light grayish greenish yellow	None	70	34.3	6.0	3.0	-0.48	-0.64	-0.57	
				2013/01/28	Sunny	9.9	0.8	9.0	0.0	Dark grayish greenish yellow	None	>100	38.5	2.5	2.1	-0.63	-0.72	-0.73	
23	Takasakigawa River	Ryutobashi Bridge	Sakurashi City	2012/05/25	Cloudy	22.0	0.7	20.0	0.0	Dark grayish yellow green	None	59	30.9	7.6	4.4	-0.55	-0.66	-0.62	
				2012/08/07	Sunny	36.5	0.7	26.9	0.0	Grayish greenish yellow	None	38	30.1	11	3.0	-0.57	-0.72	-0.78	
				2012/11/08	Sunny	18.0	1.0	14.0	0.0	Dark grayish greenish yellow	None	75	35.8	5.7	3.1	-0.61	-0.63	-0.70	
				2013/01/28	Sunny	9.9	0.5	8.9	0.0	Grayish greenish yellow	None	64	39.5	4.5	3.2	-0.55	-0.83	-0.76	
24	Kashimagawa River	Kashimabashi Bridge	Inzaishi City	2012/05/25	Cloudy	21.8	2.3	20.8	0.0	Dark grayish yellow green	None	47	30.9	11	5.6	-0.61	-0.83	-0.68	
				2012/08/07	Sunny	35.0	3.0	28.8	0.0	Dull yellow green	None	34	26.9	11	4.1	-0.51	-0.64	-0.47	
				2012/11/08	Sunny	18.4	2.7	16.0	0.0	Light grayish greenish yellow	None	37	35.2	14	7.6	-0.48	-0.56	-0.62	
				2013/01/28	Sunny	9.1	2.5	7.9	0.0	Dark grayish yellow green	None	65	41.5	3.1	3.4	-0.54	-0.59	-0.65	
25	Inbasuiro Channel	Tsurumakubashi Bridge	Inzaishi City	2012/06/05	Cloudy	25.5	2.8	24.0	0.0	Dark grayish greenish yellow	None	19	25.0	17	7.3	-0.54	-0.90	-0.62	
				2012/08/07	Sunny	32.0	2.5	29.8	0.0	Yellow greenish dark gray	None	18	27.2	19	4.8	-0.51	-0.61	-0.55	
				2012/11/08	Sunny	21.4	2.5	18.9	0.0	Dark grayish greenish yellow	None	27	27.9	18	13	-0.57	-0.78	-0.64	
				2013/01/25	Cloudy	9.5	2.5	7.4	0.0	Dark grayish greenish yellow	None	23	34.7	16	12	-0.59	-0.56	-0.57	
26	Edogawa River System	Tonegawa Canal	Ungabashi Bridge	Nagayamashi City/Nodeashi City	2012/06/05	Cloudy	24.1	0.3	23.4	0.0	Dark grayish greenish yellow	Faint sewage	30	39.5	22	9.0	-0.46	-0.53	-0.57
					2012/08/08	Sunny	28.0	0.3	28.8	0.0	Grayish greenish yellow	None	30.5	33.2	18	6.8	-0.48	-0.54	-0.55
					2012/11/09	Sunny	17.0	0.2	16.2	0.0	Grayish greenish yellow	None	44	48.2	6.7	4.8	-0.56	-0.78	-0.73
					2013/01/23	Cloudy	10.7	0.3	8.9	0.0	Grayish greenish yellow	None	47	55.7	3.3	3.6	-0.46	-0.56	-0.54

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Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks
No.	Water Body	Point	Municipality					General items						Radioactive material concentrations (Bq/L)				
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	
R i v e r S y s t e m	Edogawa River	Nagareyamahashi Bridge	Nagareyamashi City/Misato City	2012/06/05	Cloudy	22.0	0.5	21.9	0.0	Dark grayish yellow green	None	34	17.6	4.4	1.6	-0.53	-0.61	-0.59
				2012/08/08	Sunny	30.0	0.5	28.8	0.0	Grayish yellow green	None	52	19.4	6.0	1.2	-0.64	-0.90	-0.71
				2012/11/09	Sunny	19.3	0.3	15.4	0.0	Greenish yellowish pale gray	None	82	30.8	4.8	2.1	-0.50	-0.70	-0.64
	Sakagawa River	Bentenbashi Bridge	Matsudoshi City	2013/01/23	Cloudy	9.5	0.6	6.4	0.0	Dark grayish yellow green	None	80	35.9	3.2	3.0	-0.53	-0.83	-0.62
				2012/06/06	Cloudy	24.0	2.0	21.3	0.0	Grayish yellow green	None	37	30.1	6.9	3.5	-0.55	-0.64	-0.63
				2012/08/08	Sunny	32.5	1.0	28.0	0.0	Grayish yellow green	None	57	22.6	3.9	1.6	-0.57	-0.66	-0.60
				2012/11/12	Rain	15.5	2.1	15.3	0.0	Grayish yellow green	None	87	27.0	2.5	2.0	-0.54	-0.68	-0.66
				2013/01/23	Cloudy	9.7	1.8	7.5	0.0	Dark grayish greenish yellow	None	52	38.5	6.2	5.6	-0.50	-0.61	-0.60
	Shinsakagawa River	Sakanebashi Bridge	Matsudoshi City	2012/06/06	Rain	22.2	0.6	20.7	0.0	Dark grayish yellow green	None	45	31.0	13	4.1	-0.65	-0.74	0.78
				2012/08/08	Sunny	30.0	0.4	27.0	0.0	Grayish yellow green	None	58.5	35.0	12	2.9	-0.62	-0.66	-0.68
				2012/11/12	Rain	16.2	0.5	15.7	0.0	Grayish yellow green	Faint sewage	39	24.9	9.1	6.5	-0.48	-0.63	0.73
	Edogawa River	Shinkatsuhikabashi Bridge	Matsudoshi City/Katsushika City	2013/01/23	Cloudy	9.4	0.5	8.9	0.0	Dark grayish greenish yellow	None	57	19.7	3.3	2.7	-0.43	-0.53	-0.50
				2012/06/06	Rain	19.1	0.6	20.4	0.0	Light grayish yellow green	None	55	18.3	3.3	1.8	-0.66	-0.78	-0.73
				2012/08/09	Sunny	33.0	0.5	28.8	0.0	Dark grayish yellow green	None	37	20.1	6.2	1.5	-0.52	-0.74	-0.62
	Edogawa River	Ihikawabashi Bridge	Ihikawashi City/Edogawa City	2012/11/12	Cloudy	17.0	0.8	14.3	0.0	Grayish yellow green	None	81	30.8	3.9	2.5	-0.41	-0.44	-0.44
				2013/01/23	Cloudy	7.4	1.8	6.7	0.0	Dark grayish yellow green	None	77	34.6	2.5	2.7	-0.46	-0.70	-0.57
				2012/06/08	Cloudy	24.0	0.5	22.7	0.0	Dark grayish yellow green	None	55	21.1	5.1	2.3	-0.59	-0.66	-0.56
				2012/08/09	Sunny	31.0	3.5	27.8	0.0	Grayish yellow green	None	24	19.8	12	3.5	-0.44	-0.65	-0.42
				2012/11/12	Cloudy	18.9	2.0	14.4	0.0	Yellow greenish pale gray	None	67	30.7	8.2	4.1	-0.46	-0.66	-0.60
	Edogawa River	Vicinity of Keiyo Road	Ihikawashi City/Edogawa City	2013/01/24	Sunny	8.9	4.0	6.9	0.0	Dark grayish yellow green	None	65	39.3	1.9	2.9	-0.52	-0.59	-0.62
				2012/06/29	Cloudy	26.5	2.9	21.5	0.0	Grayish yellow green	None	35	20.6	6.0	2.7	-0.45	-0.65	-0.64
				2012/08/22	Sunny	36.0	3.6	29.5	0.0	Grayish greenish yellow	None	29	34.7	5.7	3.2	-0.65	-0.75	-0.64
				2012/11/14	Sunny	18.4	3.3	14.2	0.0	Grayish yellow green	None	62	32.5	4.8	3.3	-0.48	-0.68	-0.49
				2013/01/24	Cloudy	6.3	3.7	5.6	0.0	Dark grayish greenish yellow	None	40	34.8	3.2	3.1	-0.64	-0.80	-0.62
	Edogawa River	Gyotoku Movable Weir (upper reaches)	Ihikawashi City	2012/06/29	Cloudy	28.4	3.7	21.6	0.0	Grayish yellow green	None	39	32.2	3.2	2.5	-0.63	-0.90	-0.71
				2012/07/23	Cloudy	28.0	3.9	24.8	0.0	Dark grayish yellow green	None	47	29.7	1.5	1.3	-0.62	-0.98	-0.62
				2012/08/22	Sunny	36.0	4.3	28.8	0.0	Grayish yellow	None	30	22.5	5.2	2.8	-0.44	-0.56	-0.65
2012/09/18				Sunny	32.0	4.6	28.6	0.0	Grayish yellow	None	38	34.6	6.7	4.7	-0.60	-0.64	-0.57	
2012/11/14				Sunny	16.9	3.8	14.4	0.0	Grayish yellow green	None	74	44.7	3.6	3.5	-0.45	-0.59	-0.52	
Edogawa River	Shingotokubashi Bridge	Ihikawashi City/Edogawa City	2013/01/24	Cloudy	5.6	4.4	5.1	0.0	Dark grayish greenish yellow	None	39.5	34.3	3.8	3.8	-0.63	-0.75	-0.64	
			2012/06/08	Cloudy, then sunny	27.1	0.2	24.9	0.0	Dark grayish reddish yellow	None	17	3,240	18	5.2	-0.54	-0.72	-0.59	
			2012/07/13	Cloudy	26.4	0.5	26.7	0.0	Dark grayish greenish yellow	None	23	3,610	11	5.8	-0.46	-0.65	-0.64	
			2012/08/10	Sunny	32.0	0.2	29.2	0.0	Dark grayish greenish yellow	None	15	3,430	7.2	2.6	-0.44	-0.71	-0.50	
			2012/09/10	Sunny	31.5	0.3	29.2	0.0	Greenish yellowish white	None	72	3,010	3.1	1.1	-0.51	-0.53	-0.66	
Edogawa River	Edogawa Floodgate, down	Ihikawashi City/Edogawa City	2012/11/13	Sunny	16.1	0.5	16.9	0.0	Light grayish greenish yellow	None	63	4,870	8.2	3.9	-0.52	-0.72	-0.66	
			2013/01/24	Sunny	9.8	0.3	9.4	0.0	Dark grayish greenish yellow	None	47	4,880	7.1	4.4	-0.52	-0.84	-0.57	
			2012/06/06	Cloudy	22.0	3.3	20.9	0.0	Dark grayish yellow green	None	62	18.6	2.3	1.9	-0.52	-0.66	-0.70	
			2012/07/13	Cloudy	26.0	1.5	24.9	0.0	Dark grayish yellow green	None	41	41.3	15	5.8	-0.67	-0.83	-0.68	
			2012/08/10	Sunny	30.4	1.5	27.9	0.0	Dark grayish yellow green	None	43.5	580	4.6	3.2	-0.60	-0.72	-0.60	
Edogawa River	8 km Point to the estuary	Ihikawashi City/Edogawa City	2012/09/18	Cloudy	32.5	6.0	28.4	0.0	Dark grayish greenish yellow	None	36	44.3	14	4.7	-0.49	-0.36	-0.47	
			2012/11/14	Sunny	17.8	6.1	13.8	0.0	Grayish yellow green	None	60	33.4	6.8	4.5	-0.60	-0.72	-0.64	
			2013/01/24	Sunny	6.6	5.8	9.4	0.0	Dark grayish yellow green	None	51.5	1,530	2.1	1.9	-0.60	-0.72	-0.48	
			2012/06/29	Cloudy	26.5	5.6	21.9	0.0	Grayish yellow green	None	38	19.8	2.8	1.8	-0.53	-0.64	-0.59	
			2012/07/23	Cloudy	28.3	5.4	23.7	0.0	Dark grayish yellow green	None	47	22.9	4.7	1.3	-0.51	-0.50	-0.47	
Edogawa River	8 km Point to the estuary	Ihikawashi City/Edogawa City	2012/08/22	Sunny	37.0	5.1	29.3	0.0	Grayish yellow	None	34	24.8	4.4	2.1	-0.58	-0.72	-0.70	
			2012/09/18	Cloudy	31.5	3.2	28.2	0.0	Greenish yellowish pale gray	Faint sewage	34	38.6	14	4.5	-0.51	-0.66	-0.49	
			2012/11/14	Sunny	16.9	5.0	13.9	0.0	Grayish yellow green	None	61	29.9	8.1	5.1	-0.54	-0.66	-0.47	
2013/01/24	Sunny	7.2	4.6	9.2	0.0	Dark grayish yellow green	None	47	1,548	2.6	2.3	-0.45	-0.61	-0.62				

Table 4.7.1.1 Chiba Pref. River (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
No.	Water Body	Point	Municipality					General items						Radioactive material concentrations (Bq/L)						
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Radioactive cesium Cs-137	
R i v e r s	E d o g a w a	Kyudogawa River	Imabashi Bridge	Ichikawashi City/Edogawa City	2012/06/29	Cloudy	25.8	4.6	22.5	0.0	Grayish yellow green	None	36	25.2	3.1	1.7	-0.44	-0.44	-0.60	
					2012/07/23	Cloudy	28.2	4.4	23.5	0.0	Dark grayish yellow green	None	35	23.7	5.0	1.7	-0.51	-0.79	-0.63	
					2012/08/22	Sunny	37.0	4.6	29.0	0.0	Grayish yellow	None	35	24.2	3.3	1.8	-0.51	-0.50	-0.63	
					2012/09/18	Sunny	30.5	5.0	28.3	0.0	Dark grayish greenish yellow	None	44	156.6	6.0	3.6	-0.65	-0.75	-0.64	
					2012/11/14	Sunny	18.6	4.9	15.8	0.0	Grayish yellow green	None	54	382	7.7	5.0	-0.58	-0.63	-0.66	
					2013/01/24	Sunny	7.6	4.5	8.2	0.0	Dark grayish yellow green	None	45	927	1.5	1.8	-0.53	-0.66	-0.66	
	R i v e r s	E d o g a w a	Kyudogawa River	Urayasubashi Bridge	Urayasushi City/Edogawa City	2012/06/01	Cloudy	27.0	5.4	21.6	0.0	Dark grayish yellow green	None	38	39.2	3.0	2.0	-0.47	-0.56	-0.59
						2012/07/13	Cloudy	27.0	3.0	25.8	0.0	Dark grayish yellowish yellow	None	42	19.9	5.6	3.5	-0.66	-0.85	-0.64
						2012/08/03	Sunny	35.0	3.0	31.6	0.0	Light grayish yellow green	None	35	112.7	19	3.6	-0.56	-0.61	-0.60
						2012/09/10	Sunny	29.0	3.0	28.5	0.0	Light grayish greenish yellow	None	59	389	2.0	1.4	-0.59	-0.76	-0.74
						2012/11/13	Cloudy	17.1	2.0	15.7	0.0	Dark grayish yellow green	None	40	355	8.5	5.2	-0.51	-0.48	-0.50
						2013/01/24	Sunny	9.2	2.0	9.8	0.0	Dark grayish greenish yellow	None	>100	1,730	1.6	1.4	-0.54	-0.56	-0.57
R i v e r s	E d o g a w a	Mamagawa River	Nemoto Floodgate	Ichikawashi City	2012/06/07	Sunny	27.2	0.7	22.9	0.0	Dark grayish yellow green	Faint sewage	50	21.0	5.6	2.7	-0.56	-0.56	-0.62	
					2012/08/06	Rain	26.7	1.5	26.0	0.0	Grayish yellow green	None	19	21.0	24	6.1	-0.57	-0.72	0.74	
					2012/11/15	Sunny	12.5	0.9	12.7	0.0	Dark grayish yellow green	None	68	26.0	3.4	2.8	-0.50	-0.63	-0.50	
					2013/01/17	Sunny	10.1	1.6	4.6	0.0	Dark grayish greenish yellow	None	58	17.4	3.6	3.6	-0.66	-0.72	-0.64	
					2012/06/07	Sunny	24.1	0.3	22.2	0.0	Dark grayish yellow green	Faint sewage	50	44.9	12	5.8	-0.54	-0.61	-0.60	
					2012/08/06	Rain	25.9	0.8	25.7	0.0	Dark grayish yellow green	None	7	24.1	25	5.0	-0.61	-0.83	1.3	
R i v e r s	R i v e r s	Kokubugawa River	Suwabashi Bridge	Ichikawashi City	2012/11/15	Sunny	14.2	1.2	14.9	0.0	Grayish greenish yellow	None	33	65.5	9.7	7.1	-0.56	-0.64	-0.63	
					2013/01/17	Sunny	10.5	0.8	9.6	0.0	Dark grayish yellow	None	54	37.5	3.3	3.0	-0.47	-0.56	-0.56	
					2012/06/07	Sunny	26.3	0.2	24.9	0.0	Light grayish yellow green	Faint sewage	47	55.2	6.4	3.9	-0.62	-0.60	-0.71	
					2012/08/06	Rain	26.2	0.9	26.2	0.0	Grayish yellow green	None	13	30.1	38	1.7	-0.51	-0.65	1.2	
					2012/11/15	Sunny	17.9	0.8	15.7	0.0	Grayish yellow green	Faint sewage	52	98.7	3.7	3.0	-0.66	-0.78	-0.66	
					2013/01/17	Sunny	7.7	1.0	8.9	0.0	Dark grayish greenish yellow	None	49	42.8	2.0	2.8	-0.46	-0.61	-0.51	
R i v e r s	S y s t e m	Hanzugawa River	Before the confluence with Kokubugawa River	Ichikawashi City	2012/06/07	Sunny	28.2	0.5	21.3	0.0	Light grayish yellowish green	Sewage	60	42.7	3.7	3.2	-0.54	-0.72	-0.49	
					2012/08/10	Sunny	35.0	0.4	25.2	0.0	Light grayish greenish yellow	Faint sewage	57	48.0	1.8	1.9	-0.51	-0.53	-0.65	
					2012/11/15	Sunny	16.0	0.3	16.7	0.0	Yellow greenish pale gray	None	70	53.9	3.7	3.1	-0.52	-0.54	-0.56	
					2013/01/21	Sunny	10.4	0.1	12.2	0.0	Reddish yellowish dark gray	None	43	60.8	1.1	6.5	-0.63	-0.83	-0.71	
					2012/06/07	Sunny	25.0	0.5	22.7	0.0	Grayish yellow green	None	46	44.9	4.7	2.5	-0.57	-0.66	-0.60	
					2012/08/10	Sunny	35.0	2.0	27.4	0.0	Light grayish yellow	None	60	53.5	9.9	3.4	-0.51	-0.75	-0.56	
R i v e r s	S y s t e m	Okashiwagawa River	Sengenbashi Bridge	Ichikawashi City	2012/11/15	Sunny	16.2	1.5	16.0	0.0	Dark grayish yellow green	None	75	69.6	3.2	3.0	-0.64	-0.59	-0.57	
					2013/01/17	Sunny	8.3	2.0	9.4	0.0	Dark grayish yellow	None	45	35.7	2.8	3.2	-0.64	-0.78	-0.62	
					2012/06/08	Sunny	26.0	2.1	23.6	0.0	Dark grayish yellow green	None	53	330	4.2	2.7	-0.67	-0.90	-0.77	
					2012/08/10	Sunny	32.0	0.5	26.0	0.0	Grayish greenish yellow	Faint sewage	64	217	2.4	1.9	-0.61	-0.75	-0.70	
					2012/11/14	Sunny	17.2	3.7	16.5	0.0	Grayish yellow green	None	61	885	1.5	1.3	-0.44	-0.61	-0.64	
					2013/01/17	Cloudy	10.1	2.5	7.9	0.0	Dark grayish greenish yellow	None	50	460	3.1	3.1	-0.47	-0.60	-0.59	
R i v e r s	E d o g a w a	Ebogawa River	Yachiobashi Bridge	Funabashi City	2012/06/01	Sunny	26.0	1.5	22.3	0.0	Greenish black	None	>100	427	1.0	1.1	-0.46	-0.67	-0.63	
					2012/08/10	Sunny	30.0	3.0	26.7	0.0	Dark grayish yellow green	None	40	312	1.3	1.5	-0.55	-0.64	-0.45	
					2012/11/14	Sunny	17.0	2.7	15.2	0.0	Dark grayish yellow green	None	78	663	2.0	2.0	-0.66	-0.75	-0.68	
					2013/01/17	Cloudy	11.8	1.8	9.5	0.0	Dark grayish yellow	None	69	650	2.8	2.8	-0.64	-0.66	-0.68	
					2012/06/01	Sunny	30.0	3.5	25.1	0.0	Yellow greenish dark gray	None	52	1,650	<1	0.7	-0.69	-0.70	-0.68	
					2012/07/13	Cloudy	25.2	3.0	25.9	0.0	Yellowish white	None	40	301	4.3	4.2	-0.48	-0.68	-0.63	
R i v e r s	E d o g a w a	Inba Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2012/08/03	Sunny	34.0	0.4	31.3	0.0	Greenish yellowish white	None	21	1,557	5.2	2.6	-0.52	-0.53	-0.52	
					2012/09/10	Sunny	31.5	2.5	30.4	0.0	Reddish yellowish dark gray	Faint sewage	70	1,920	1.1	0.8	-0.65	-0.70	-0.48	
					2012/11/15	Sunny	14.8	3.0	15.0	0.0	Dark grayish greenish yellow	None	74	730	5.1	4.2	-0.62	-0.75	-0.62	
					2013/01/17	Cloudy	5.2	1.8	9.2	0.0	Dark grayish yellow	None	48	726	5.9	5.9	-0.49	-0.53	-0.59	
					2012/06/01	Rain	25.2	3.6	22.1	0.0	Yellow greenish dark gray	None	51	795	<1	0.8	-0.55	-0.81	-0.60	
					2012/08/03	Sunny	34.0	1.5	27.9	0.0	Greenish yellowish white	None	55	1,808	3.0	1.4	-0.47	-0.61	-0.51	
R i v e r s	E d o g a w a	Miyakogawa River	Miyakobashi Bridge	Chibashi City	2012/11/01	Sunny	20.6	1.0	15.9	0.0	Greenish yellowish white	None	74	698	3.6	2.3	-0.62	-0.68	-0.62	
					2013/01/15	Cloudy	5.9	1.5	7.0	0.0	Dark grayish greenish yellow	None	52	240	2.7	3.8	-0.54	-0.61	-0.47	

Table 4.7.1.2 Chiba Pref. River (Sediment)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment													Radioactive material concentrations (Bq/kg dried mud)			Remarks			
								General items										Mechanical composition %			Mud content %	Density g/cm ³	Property		Radioactive iodine I-131	Radioactive cesium	
								Mud temperature °C	Mud sampling depth cm	Color	Odor						Clay	Cs-134	Cs-137								
												Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand											
36	8 km Point to the estuary	Ihikawashi City/ Edogawa City	2012/06/29	Cloudy	26.5	5.6	22.1	3	Dark grayish greenish yellow	None	0.0	0.0	3.7	83.0	13.3	0.0	0.0			91.3	2.744	Sand	-3.6	28	43		
			2012/07/23	Cloudy	28.3	5.4	24.2	2	Dark grayish yellow	None	0.0	0.4	1.1	44.0	21.0	33.5	0.0	77.9	2.67	Mud	<5.1	47	81				
			2012/08/22	Sunny	37.0	5.1	29.0	5	Yellow reddish black	Faint sludge	0.0	0.0	0.0	32.2	36.8	31.0	0.0	79.7	2.73	Sand	<4.8	54	80				
			2012/09/18	Cloudy	31.5	3.2	28.1	5	Dark grayish greenish yellow	Seaweed	0.0	0.0	0.0	26.1	48.2	25.7	0.0	71.8	2.691	Sand	<7.7	130	210				
			2012/11/14	Sunny	16.9	5.0	14.7	3	Dark grayish reddish yellow	None	0.0	0.3	1.4	65.4	21.9	11.1	0.0	83.0	2.804	Sand	<6.0	44	77				
			2013/01/24	Sunny	7.2	4.6	9.7	5	Dark grayish greenish yellow	Putrescence	0.0	0.1	0.0	47.4	36.7	15.8	0.0	80.6	2.757	Sand	<5.2	53	92				
			2012/06/29	Cloudy	25.8	4.6	21.8	3	Dark grayish greenish yellow	None	0.0	0.1	8.5	86.0	4.1	1.3	0.0	88.0	2.746	Sand	<4.1	29	41				
			2012/07/23	Cloudy	28.2	4.4	22.3	4	Dark grayish greenish yellow	None	0.0	0.3	5.1	89.0	4.9	0.8	0.0	89.5	2.629	Sand	<4.8	29	46				
			2012/08/22	Sunny	37.0	4.6	28.5	3	Dark grayish yellow green	None	0.0	0.0	3.2	88.4	7.0	1.4	0.0	87.2	2.734	Sand	<4.4	29	44				
			2012/09/18	Sunny	30.5	5.0	28.4	5	Dark grayish reddish yellow	None	0.0	0.0	0.9	79.9	11.6	7.6	0.0	86.4	2.742	Sand	<4.4	38	66				
2012/11/14	Sunny	18.6	4.9	15.6	3	Dark grayish reddish yellow	None	0.0	0.0	5.4	74.2	9.9	10.4	0.0	84.8	2.744	Sand	<4.6	28	64							
2013/01/24	Sunny	7.6	4.5	9.4	5	Dark grayish greenish yellow	Putrescence	0.0	0.2	4.1	82.6	7.6	5.6	0.0	86.9	2.718	Sand	<3.9	24	51							
37	Kyuodogawa River Imabashi Bridge	Ihikawashi City/ Edogawa City	2012/06/01	Cloudy	27.0	5.4	25.3	10	Very dark yellow	None	0.0	0.3	0.9	58.8	36.1	4.0	0.0	91.3	2.856	Sand	<4.4	28	42				
			2012/07/13	Cloudy	27.0	3.0	29.2	5	Greenish yellowish dark gray	None	0.8	0.3	1.4	82.5	13.1	1.9	0.0	87.4	2.75	Sand	<5.5	27	44				
			2012/08/03	Sunny	35.0	3.0	29.9	5	Yellow greenish black	Sludge	0.0	0.0	0.0	1.1	23.6	68.6	6.8	54.0	2.552	Mud	<14	330	830				
			2012/09/10	Sunny	29.0	3.0	28.4	15	Reddish yellowish dark gray	Sludge	0.0	0.0	0.0	4.1	41.7	53.7	0.5	58.2	2.615	Silt	<9.5	220	360				
			2012/11/13	Cloudy	17.1	2.0	16.0	10	Yellowish black	Seaweed	0.0	0.3	0.0	1.5	29.6	65.4	3.3	50.5	2.478	Silt	<16	750	1,300				
			2013/01/24	Sunny	9.2	2.0	9.2	5	Reddish yellowish black	Faint seaweed	0.0	0.0	0.0	2.0	32.3	64.6	1.1	46.7	2.574	Silt	<18	540	1,100				
			2012/06/07	Sunny	27.2	0.7	22.5	3	Yellowish black	Sludge	2.1	2.5	0.0	30.6	51.8	13.0	0.0	87.2	2.638	Silt	<9.0	390	570				
			2012/08/06	Rain	26.7	1.3	26.4	3	Greenish yellowish dark gray	None	7.4	0.0	0.8	67.6	21.6	2.6	0.0	88.2	2.691	Mud	<6.9	260	440				
			2012/11/15	Sunny	12.5	0.9	13.6	1	Reddish yellowish black	Faint sludge	0.0	0.4	0.4	68.5	26.5	4.2	0.0	85.0	2.68	Sand	<6.6	270	430				
			2013/01/17	Sunny	10.1	1.6	5.2	1	Dark grayish greenish yellow	None	1.7	0.1	1.1	45.0	31.4	20.7	0.0	81.7	2.633	Sand	<7.2	270	480				
38	Edogawa River Urayabashi Bridge	Urayasu City/ Edogawa City	2012/06/07	Sunny	24.1	0.3	21.0	3	Greenish yellowish black	Faint sewage	0.0	2.9	1.6	58.6	28.9	8.0	0.0	87.8	2.665	Silt	<8.8	480	720				
			2012/08/06	Rain	25.9	0.8	25.6	3	Greenish yellowish dark gray	None	0.0	0.0	0.0	10.5	53.8	35.7	0.1	57.2	2.505	Mud	<25	2,000	3,400				
			2012/11/15	Sunny	14.2	1.2	15.7	3	Reddish yellowish black	Faint sludge	0.8	2.8	0.4	36.3	37.9	21.7	0.0	67.6	2.593	Sand	<15	890	1,500				
			2013/01/17	Sunny	10.5	0.8	8.6	5	Dark grayish yellow	None	2.0	0.6	3.0	63.7	18.6	12.0	0.0	77.3	2.661	Sand	<8.8	340	630				
			2012/06/07	Sunny	26.3	0.2	23.7	5	Reddish yellowish black	Sludge	0.0	0.4	2.7	66.5	24.4	6.0	0.0	81.8	2.637	Silt	<9.6	480	730				
			2012/08/06	Rain	26.2	0.9	26.4	6	Greenish black	Faint sludge	0.0	0.8	2.3	56.3	36.0	4.6	0.0	82.4	2.672	Silt	<9.5	350	580				
			2012/11/15	Sunny	17.9	0.8	16.0	5	Reddish yellowish black	Faint sludge	0.0	0.8	0.3	50.5	39.5	9.0	0.0	84.1	2.649	Sand	<8.3	310	530				
			2013/01/17	Sunny	7.7	1.0	8.1	4	Yellow reddish black	Sewage	0.7	1.5	0.0	46.9	46.6	4.4	0.0	84.6	2.646	Sand/silt	<8.1	260	500				
			2012/06/07	Sunny	25.2	0.5	21.1	5	Yellow reddish black	Sludge	1.2	3.7	45.8	18.5	13.7	17.2	0.0	65.0	2.504	Silt	<9.7	320	480				
			2012/08/10	Sunny	35.0	0.4	28.7	2	Very dark yellow	Sludge	41.6	28.6	7.8	6.1	8.5	7.5	0.0	22.4	1.974	Silt	<18	56	97				
39	Rivier Mamagawa River Nemoto Floodgate	Ihikawashi City	2012/11/15	Sunny	16.0	0.3	15.8	2	Yellow reddish black	None	0.0	0.0	2.1	33.0	30.8	34.0	0.0	29.6	2.122	Mud	<19	69	120				
			2013/01/21	Sunny	10.4	0.1	11.3	3	Reddish yellowish black	Sludge	0.0	0.0	1.2	41.1	28.9	28.8	0.0	26.7	2.044	Mud	<16	56	110				
			2012/06/07	Sunny	25.0	0.5	22.1	5	Yellow greenish black	Faint sewage	0.9	8.1	8.4	75.9	4.9	1.8	0.0	91.3	2.67	Sand	<8.7	310	470				
			2012/08/10	Sunny	35.0	2.0	26.0	5	Reddish yellowish black	Sludge	0.0	0.0	1.5	84.8	9.3	4.4	0.0	91.7	2.695	Silt	<6.5	230	380				
			2012/11/15	Sunny	16.2	1.5	16.4	3	Reddish yellowish black	Sludge	7.2	10.1	12.5	48.7	12.2	9.3	0.1	85.1	2.668	Sand	<7.7	280	510				
			2013/01/17	Sunny	8.3	2.0	8.6	3	Reddish yellowish black	Sewage	7.5	26.1	2.6	49.1	9.9	4.8	0.0	82.1	2.683	Sand	<7.7	280	450				
			2012/06/08	Sunny	26.0	2.1	20.9	10	Yellow greenish black	Sewage	0.0	1.1	11.4	14.5	27.0	46.1	0.0	46.3	2.44	Silt	<26	1,800	2,700				
			2012/08/10	Sunny	32.6	0.5	27.2	10	Black	Sludge	0.0	0.0	0.0	7.1	44.2	48.0	0.7	45.7	2.557	Silt	<15	340	580				
			2012/11/14	Sunny	17.2	3.7	19.5	6	Black	Sludge	0.0	0.7	3.0	9.6	43.0	46.5	0.1	49.7	2.539	Silt	<9.9	210	370				
			2013/01/17	Cloudy	10.1	2.5	10.1	10	Reddish yellowish black	Sulfur	0.0	0.4	0.0	17.8	46.9	34.9	0.0	51.0	2.517	Silt	<18	720	1,300				
40	Systiem Kokubugawa River Suwadabashi Bridge	Ihikawashi City	2012/06/01	Sunny	26.0	1.5	22.3	10	Purplish reddish black	Sewage	0.0	0.4	0.0	2.4	24.8	70.6	1.8	34.4	2.477	Silt	<39	2,400	3,600				
			2012/08/10	Sunny	30.0	3.0	25.6	4	Black	Sludge	0.3	0.1	3.0	55.4	34.8	9.5	0.0	82.7	2.756	Mud/sand	<6.1	160	250				
			2012/11/14	Sunny	17.0	2.7	18.9	4	Black	Sludge	0.0	0.3	11.6	51.2	27.2	9.7	0.0	77.9	2.68	Sand/silt	<7.5	200	330				
			2013/01/17	Cloudy	11.8	1.8	9.5	10	Reddish yellowish black	Sulfur	0.0	0.0	0.0	33.4	51.9	14.8	0.0	62.9	2.649	Silt	<11	420	740				

Table 4.7.1.2 Chiba Pref. River (Sediment)

R i v e r s	Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment														Radioactive material concentrations (Bq/kg dried mud)			Remarks
	No.	Water Body	Point	Municipality					General items										Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium			
									Mud temperature °C	Mud sampling depth cm	Color	Odor	Mechanical composition %													
													Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt					Clay	Cs-134	Cs-137	
46	Iaha Discharge Channel (lower reaches)	Shinhanumigawabashi Bridge	Chiba City	2012/06/01	Sunny	30.0	3.5	23.2	10	Dark grayish yellow green	None	0.5	1.0	0.0	53.7	24.5	20.4	0.0	79.9	2.514	Sand	<6.7	210	320		
				2012/07/13	Cloudy	25.2	3.0	25.1	5	Greenish black	Mud	1.4	2.8	3.7	62.4	21.3	8.3	0.0	84.2	2.647	Silt	<6.0	88	120		
				2012/08/03	Sunny	34.0	0.4	30.3	2	Reddish yellowish black	Faint sewage	0.6	0.2	7.9	26.2	49.0	16.1	0.0	66.8	2.627	Mud	<8.9	400	620		
				2012/09/10	Sunny	31.5	2.5	28.9	10	Reddish yellowish black	Mud	0.0	0.0	0.0	16.9	51.5	31.6	0.0	58.1	2.612	Mud	<16	630	1,100		
				2012/11/15	Sunny	14.8	3.0	18.5	15	Yellowish black	Sludge	0.0	0.0	0.8	10.4	37.0	51.5	0.4	37.3	2.44	Silt	<24	1,100	1,800		
	2013/01/17	Cloudy	5.2	1.8	11.2	4	Reddish yellowish black	Sewage	0.0	0.0	0.0	26.2	52.3	21.5	0.0	66.3	2.62	Silt	<11	450	820					
	2012/06/01	Rain	25.2	3.6	20.5	10	Dark yellowish green	None	0.8	2.4	1.0	52.6	30.8	12.4	0.0	73.0	2.596	Silt	<8.1	210	320					
	2012/08/03	Sunny	34.0	1.5	27.7	3	Black	Sewage	0.1	1.3	0.0	49.5	39.6	9.5	0.0	76.5	2.66	Mud	<5.8	91	150					
	2012/11/01	Sunny	20.6	1.0	20.2	5	Yellowish dark gray	Faint mud	0.0	0.0	0.0	62.2	36.3	1.5	0.0	87.3	2.738	Sand	<4.2	37	54					
	2013/01/15	Cloudy	5.9	1.5	8.6	3	Reddish yellowish black	Sewage	0.0	0.0	0.0	50.9	44.0	5.1	0.0	84.2	2.667	Sand	<6.5	73	120					
47	Miyakogawa River	Miyakobashi Bridge	Chiba City	2012/06/01	Sunny	30.0	3.5	23.2	10	Dark grayish yellow green	None	0.5	1.0	0.0	53.7	24.5	20.4	0.0	79.9	2.514	Sand	<6.7	210	320		
				2012/07/13	Cloudy	25.2	3.0	25.1	5	Greenish black	Mud	1.4	2.8	3.7	62.4	21.3	8.3	0.0	84.2	2.647	Silt	<6.0	88	120		
				2012/08/03	Sunny	34.0	0.4	30.3	2	Reddish yellowish black	Faint sewage	0.6	0.2	7.9	26.2	49.0	16.1	0.0	66.8	2.627	Mud	<8.9	400	620		

Table 4.7.1.3 Chiba Pref. River (Surrounding Environment)

Sampling point				Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)															Remarks
No.	Water Body	Point	Municipality				Left bank							Right bank								
							Soil			Air dose μSv/h				Soil			Air dose μSv/h					
							General items			Radioactive material concentrations (Bq/kg (dry))				General items			Radioactive material concentrations (Bq/kg (dry))					
							Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137	Radioactive iodine I-131	Cs-134	Cs-137	Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137	
R i v e r s	1	Shogengawa River	Fukamaehashi Bridge	Izaitshi City/Sakaemachi Town	2012/06/01	Cloudy	23.1	Very dark reddish yellow	Earth	Loamy	-9.3	380	600	0.15	Very dark reddish yellow	Earth	Loamy	<7.9	300	470	0.24	
					2012/08/03	Sunny	32.0	Dull reddish yellow	Faint earth	Loamy	-8.9	340	580	0.13	Dark reddish yellow	Faint earth	Loamy	<10	310	520	0.19	
					2012/11/01	Sunny	21.1	Dark yellow red	Earth	Loamy	-6.3	130	200	0.12	Dark reddish yellow	Earth	Loamy	<7.8	330	530	0.19	
					2013/01/16	Sunny	4.7	Very dark reddish yellow	Earth	Loamy	-12	540	960	0.15	Very dark reddish yellow	Earth	Loamy	<11	420	760	0.20	
					2012/06/01	Sunny	25.2	Very dark reddish yellow	Earth	Loamy	-8.1	170	260	0.09	Very dark reddish yellow	Earth	Loamy	<6.7	140	210	0.11	
					2012/08/03	Sunny	33.0	Dark reddish yellow	Faint earth	Loamy	-5.7	110	180	0.08	Dark reddish yellow	Faint earth	Loamy	<8.4	230	390	0.09	
	2	Shinbeibashi Bridge	Izaitshi City/Sakaemachi Town	2012/11/01	Sunny	17.0	Very dark reddish yellow	Faint earth	Sandy	-6.4	150	240	0.09	Very dark reddish yellow	Faint earth	Loamy	<7.4	160	280	0.11		
				2013/01/16	Cloudy	4.8	Very dark reddish yellow	Earth	Loamy	-12	410	760	0.10	Very dark reddish yellow	Earth	Loamy	<5.8	110	180	0.10		
				2012/06/01	Sunny	27.1	Very dark reddish yellow	Faint earth	Loamy	-6.2	120	180	0.10	Dark reddish yellow	Faint earth	Loamy	<7.5	180	260	0.13		
				2012/08/03	Sunny	30.7	Dull reddish yellow	Faint earth	Sandy	-7.2	230	370	0.09	Dull reddish yellow	Faint earth	Loamy	<14	680	1,100	0.11		
				2012/11/01	Sunny	16.4	Very dark reddish yellow	Earth	Loamy	-7.0	180	300	0.10	Very dark yellow red	Earth	Loamy	<12	490	790	0.11		
				2013/01/16	Cloudy	3.9	Very dark reddish yellow	Earth	Loamy	-6.8	110	210	0.09	Very dark reddish yellow	Earth	Loamy	<8.9	350	660	0.12		
3	Intake at Mashinden Water Purification Plant	Sakaemachi Town	2012/05/31	Cloudy	25.0	Dark yellow red	Earth	Loamy	-6.0	160	260	0.11	Dark yellow red	Earth	Sandy	<4.0	15	21	0.06			
			2012/08/03	Sunny	32.5	Dark reddish yellow	Earth	Loamy	-7.7	250	400	0.10	Dark reddish yellow	Earth	Sandy/loamy	<3.9	16	32	0.06			
			2012/11/01	Sunny	16.8	Very dark reddish yellow	Faint earth	Sandy	-4.3	15	28	0.07	Very dark reddish yellow	Faint earth	Sandy	<6.2	100	180	0.11			
			2013/01/16	Cloudy	4.4	Very dark reddish yellow	Earth	Loamy	-6.5	160	260	0.10	Dark reddish yellow	Earth	Loamy	<9.8	380	690	0.10			
			2012/05/31	Sunny	24.5	Very dark reddish yellow	Earth	Loamy	-5.6	93	140	0.10	Very dark yellow red	Earth	Loamy	<6.1	160	250	0.11			
			2012/08/01	Cloudy	32.0	Dull reddish yellow	Earth	Loamy	-7.4	160	240	0.14	Dark reddish yellow	Earth	Loamy	<6.5	180	270	0.13			
4	Nagatogawa River	Nagatobashi Bridge	Sakaemachi Town	2012/11/01	Sunny	19.8	Very dark reddish yellow	Earth	Loamy	-6.9	190	340	0.10	Very dark yellow red	Faint earth	Loamy	<7.6	210	340	0.10		
				2013/01/16	Sunny	3.7	Very dark reddish yellow	Earth	Loamy	-7.1	150	270	0.10	Very dark reddish yellow	Earth	Loamy	<6.5	150	280	0.10		
				2012/05/31	Cloudy	25.3	Very dark yellow	Earth	Loamy	-12	540	830	0.13	Very dark yellow red	Earth	Loamy	<7.1	170	250	0.15		
				2012/08/01	Cloudy	31.0	Dull reddish yellow	None	Loamy	-9.5	390	620	0.15	Dark reddish yellow	Earth	Loamy	<8.1	260	410	0.14		
				2012/11/02	Sunny	18.6	Very dark reddish yellow	Earth	Loamy	-8.7	240	420	0.12	Very dark reddish yellow	Earth	Loamy	<8.2	310	560	0.15		
				2013/01/25	Sunny	11.5	Very dark reddish yellow	Earth	Loamy	-6.3	140	250	0.12	Very dark reddish yellow	Earth	Loamy	<7.6	270	490	0.14		
5	Ryudagawa River	Ryumatsunobashi Bridge	Narutashi City	2012/05/31	Cloudy	26.1	Very dark reddish yellow	Earth	Loamy	-6.0	140	220	0.09	Very dark reddish yellow	Earth	Loamy	<6.3	160	230	0.09		
				2012/08/01	Sunny	36.0	Soft reddish yellow	Earth	Loamy	-6.0	84	120	0.12	Dull reddish yellow	Earth	Loamy	<5.9	69	120	0.10		
				2012/11/02	Sunny	18.6	Very dark reddish yellow	Faint earth	Loamy/sandy/skeletal	-7.5	270	460	0.11	Very dark reddish yellow	Earth	Loamy	<5.5	59	90	0.08		
				2013/01/25	Sunny	9.3	Very dark yellow red	Earth	Loamy/skeletal	-6.5	83	140	0.10	Very dark reddish yellow	Earth	Loamy	<6.2	86	160	0.09		
				2012/05/22	Rain	15.0	Very dark yellowish red	Earth	Loamy	-15	710	1,000	0.42	Very dark yellow red	Earth	Loamy	<8.1	270	370	0.30		
				2012/08/02	Sunny	34.5	Dark reddish yellow	Earth	Loamy	-27	4,000	6,200	0.29	Dark reddish yellow	Faint earth	Loamy	<17	1,100	1,800	0.21		
6	Oborigawa River	Kitakashiwabashi Bridge	Kashiwash City	2012/11/05	Cloudy	15.9	Very dark yellow red	Earth	Loamy	-13	510	840	0.26	Very dark yellow red	Earth	Loamy	<16	990	1,600	0.37		
				2013/01/18	Sunny	4.6	Very dark yellow red	Earth	Loamy	-14	550	1,000	0.23	Very dark reddish yellow	Earth	Loamy	<16	930	1,700	0.24		
				2012/05/22	Rain	14.8	Very dark reddish yellow	Earth	Clayish	-14	660	970	0.18	Very dark yellow red	Earth	Loamy	<9.5	400	570	0.16		
				2012/08/02	Sunny	38.0	Dark reddish yellow	Grass	Loamy	-12	430	660	0.17	Dull reddish yellow	None	Loamy	<7.4	200	330	0.16		
				2012/11/05	Cloudy	13.1	Very dark reddish yellow	Earth	Loamy	-13	450	740	0.19	Very dark reddish yellow	Faint earth	Loamy	<12	570	930	0.13		
				2013/01/21	Sunny	9.2	Very dark yellow red	Earth	Loamy	-16	760	1,400	0.17	Very dark reddish yellow	Earth	Loamy	<7.8	280	490	0.14		
7	Otsugawa River	Samobashi Bridge, under	Kamagayashi City	2012/05/22	Rain	15.0	Very dark yellow red	Earth	Loamy	-12	540	790	0.26	Very dark yellow green	Earth	Loamy	<22	1,700	2,400	0.23		
				2012/08/02	Sunny	35.0	Dark reddish yellow	Earth	Loamy	-16	950	1,500	0.22	Soft reddish yellow	Grass	Loamy	<18	1,900	2,900	0.33		
				2012/11/05	Cloudy	15.0	Very dark yellow	Earth	Loamy	-13	710	1,200	0.26	Very dark reddish yellow	Earth	Loamy	<7.0	96	160	0.23		
				2013/01/18	Sunny	6.5	Very dark yellow red	None	Loamy	-16	720	1,300	0.19	Very dark yellow red	None	Sandy	<19	1,300	2,400	0.19		
				2012/05/22	Rain	15.7	Very dark greenish yellow	None	Loamy	-9.6	290	410	0.14	Very dark reddish yellow	Grass	Loamy	<18	860	1,200	0.13		
				2012/08/02	Sunny	34.7	Dull reddish yellow	None	Loamy	-16	650	1,000	0.10	Dull reddish yellow	Earth	Loamy	<16	830	1,300	0.11		
8	Somecirotoshi	Someishinbashi Bridge	Kashiwash City	2012/11/05	Cloudy	13.3	Very dark yellow	Earth	Loamy/skeletal	-14	910	1,500	0.13	Very dark reddish yellow	Earth	Loamy	<18	1,200	1,900	0.14		
				2013/01/18	Sunny	4.2	Very dark reddish yellow	Earth	Loamy/skeletal	-16	840	1,600	0.12	Very dark reddish yellow	Earth	Loamy/skeletal	<13	570	1,000	0.12		
				2012/05/23	Sunny	24.1	-	-	-	-	-	-	-	-	-	<22	1,500	2,100	0.15			
				2012/08/08	Sunny	29.8	-	-	-	-	-	-	-	-	-	Dark reddish yellow	Earth	Loamy	<15	770	1,200	0.14
				2012/11/16	Sunny	15.3	Very dark yellow red	Earth	Loamy	-27	1,500	2,600	0.16	Very dark reddish yellow	Earth	Loamy	<16	690	1,200	0.14		
				2013/01/21	Sunny	13.7	Very dark yellow red	Earth	Loamy	-28	1,300	2,400	0.14	Very dark yellow red	Earth	Loamy	<16	700	1,300	0.13		
9	L a k e	Downstream of Karuzawasakaishi Bridge	Kamagayashi City/ Shiroishi City	2012/05/23	Sunny	24.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(Left bank) Soil not exposed	
				2012/08/08	Sunny	29.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(Left bank) Survey location changed
				2012/11/16	Sunny	15.3	Very dark yellow red	Earth	Loamy	-27	1,500	2,600	0.16	Very dark reddish yellow	Earth	Loamy	<16	690	1,200	0.14		
2013/01/21	Sunny	13.7	Very dark yellow red	Earth	Loamy	-28	1,300	2,400	0.14	Very dark yellow red	Earth	Loamy	<16	700	1,300	0.13						

Table 4.7.1.3 Chiba Pref. River (Surrounding Environment)

No.	Sampling point				Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)											Remarks				
	Water Body	Point	Municipality	Left bank					Right bank														
				Soil				Radioactive material concentrations (Bq/kg (dry))		Air dose µSv/h	Soil			Radioactive material concentrations (Bq/kg (dry))		Air dose µSv/h							
				Color				Odor	Property		Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137	Color	Odor	Property		Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137					
R i v e r s	Kanzayamaotschi	Nauchibashi Bridge	Shiroishi City	2012/05/23	Sunny	24.8	Very dark yellow red	Earth	Loamy		-9.4	230	330	0.17	Very dark yellow red	Earth	Loamy		<11	390	570	0.18	
				2012/08/08	Sunny	27.5	Very dark reddish yellow	Earth	Loamy		-14	720	1,200	0.19	Very dark reddish yellow	Earth	Loamy		<11	440	710	0.17	
				2012/11/08	Sunny	17.8	Very dark yellow	Earth	Loamy		<11	420	730	0.12	Very dark reddish yellow	Earth	Loamy		<12	610	1,000	0.16	
				2013/01/18	Sunny	4.7	Very dark yellow red	Earth	Loamy/skeletal		-8.6	330	630	0.14	Very dark reddish yellow	Earth	Loamy		<9.0	280	530	0.15	
	Kamenarigawa River	Kamenaribashi Bridge	Inzaishi City	2012/05/23	Cloudy	18.9	Very dark reddish yellow	Earth	Loamy		-20	1,100	1,500	0.20	Very dark reddish yellow	Earth	Loamy		<14	1,100	1,700	0.19	
				2012/08/08	Sunny	28.8	Very dark reddish yellow	Earth	Loamy		-7.7	300	470	0.16	Very dark reddish yellow	Earth	Loamy		<14	1,000	1,700	0.21	
				2012/11/08	Sunny	21.9	Very dark reddish yellow	Earth	Loamy		-8.2	300	590	0.18	Very dark yellow red	Earth	Loamy		<9.2	280	510	0.17	
				2013/01/18	Sunny	3.7	Very dark yellow	Earth	Loamy/sandy/skeletal		<12	630	1,200	0.16	Very dark reddish yellow	Earth	Loamy/sandy		<6.6	170	300	0.15	
	Igasuaito Channel	Downstream of Igasuaito Channel	Kamagayashi City	2012/05/23	Sunny	24.1	Very dark reddish yellow	Faint earth	Loamy		<11	480	650	0.17	Very dark reddish yellow	Earth	Loamy		<7.4	310	440	0.14	
				2012/08/17	Sunny	35.5	Soft reddish yellow	None	Loamy		-9.2	360	560	0.16	Soft reddish yellow	None	Loamy		<8.6	270	420	0.15	
				2012/11/16	Sunny	17.5	Very dark reddish yellow	Earth	Loamy		<11	460	770	0.14	Very dark reddish yellow	Earth	Loamy		<8.7	320	500	0.12	
				2013/01/21	Sunny	12.1	Very dark yellow red	Earth	Loamy		<11	460	800	0.12	Very dark reddish yellow	Earth	Loamy		<8.6	290	500	0.12	
				2012/05/24	Sunny	26.8	Very dark yellow red	Earth	Loamy/skeletal		<13	510	740	0.17	Very dark yellow red	Earth	Loamy		<11	340	480	0.19	
	Futagawa River	Tomiyagabashi Bridge	Funabashishi City/ Shiroishi City	2012/08/17	Sunny	32.7	Dark reddish yellow	Earth	Loamy		<13	620	960	0.18	Dark reddish yellow	Earth	Loamy		<14	570	950	0.17	
				2012/11/16	Sunny	15.4	Very dark reddish yellow	Earth	Loamy		<15	580	990	0.17	Very dark yellow red	Earth	Loamy		<15	600	1,000	0.16	
				2013/01/21	Sunny	11.2	Very dark yellow red	Earth	Loamy/skeletal		<8.6	240	440	0.14	Very dark reddish yellow	Earth	Loamy/skeletal		<16	1,200	2,100	0.16	
				2012/05/24	Cloudy	26.8	Very dark yellowish red	Earth	Loamy/skeletal		<12	580	830	0.13	Very dark yellow red	Earth	Loamy		<8.7	290	430	0.13	
	Kanzakigawa River	Kanzakibashi Bridge	Yachiyoishi City/ Inzaishi City	2012/08/17	Sunny	33.1	Dark reddish yellow	Faint earth	Loamy		<13	580	940	0.13	Dull reddish yellow	Faint earth	Loamy		<11	580	940	0.14	
				2012/11/07	Sunny	18.5	Dark reddish yellow	Earth	Loamy		<11	330	610	0.13	Very dark reddish yellow	Earth	Loamy		<7.5	250	440	0.12	
				2013/01/29	Sunny	10.1	Very dark reddish yellow	Earth	Loamy		<7.6	220	410	0.14	Very dark reddish yellow	Earth	Loamy/clayish		<11	450	820	0.14	
	Kannogawa River	Kannobashi Bridge	Yachiyoishi City	2012/05/24	Cloudy	23.7	Yellow reddish black	Earth	Loamy		<13	380	550	0.12	Yellow reddish black	Earth	Loamy		<9.0	330	480	0.14	
2012/08/06				Sunny	26.5	Yellow reddish black	Faint earth	Loamy		<9.0	200	300	0.15	Very dark yellow red	Faint earth	Loamy		<17	1,100	1,700	0.14		
2012/11/07				Sunny	18.0	Very dark yellow red	Earth	Loamy		<12	390	670	0.13	Very dark reddish yellow	Earth	Loamy		<8.1	300	510	0.13		
2013/01/29				Sunny	8.0	Very dark yellow	Earth	Loamy		<9.5	330	620	0.14	Very dark reddish yellow	Earth	Loamy		<11	380	690	0.15		
2012/05/24				Cloudy	21.7	Very dark reddish yellow	Faint earth	Loamy		<13	450	660	0.14	Very dark yellow red	Earth	Loamy		<11	380	570	0.14		
Ihba Discharge Channel (upper reaches)	Yachiyoishi Bridge	Yachiyoishi City	2012/08/06	Cloudy	27.6	Very dark yellow red	Earth	Loamy		<5.9	85	140	0.17	Very dark reddish yellow	Earth	Loamy		<8.7	280	430	0.18		
			2012/11/07	Sunny	17.4	Very dark yellow red	Earth	Loamy		<11	340	570	0.14	Very dark reddish yellow	Earth	Loamy		<7.8	220	380	0.13		
			2013/01/29	Sunny	8.7	Very dark reddish yellow	Earth	Loamy/skeletal		<7.8	180	320	0.13	Very dark yellow red	Earth	Loamy		<11	360	640	0.14		
			2012/05/25	Cloudy	21.8	Very dark yellow red	Earth	Loamy		<15	660	910	0.15	Very dark yellow red	Earth	Loamy		<12	440	630	0.14		
Tegurigawa River	Mameibashi Bridge	Sakurashi City	2012/08/06	Rain	25.0	Very dark reddish yellow	Faint earth	Loamy		<15	630	1,000	0.15	Very dark reddish yellow	Faint earth	Loamy		<8.0	310	490	0.16		
			2012/11/07	Sunny	19.2	Very dark reddish yellow	Earth	Loamy		<12	510	880	0.13	Dark reddish yellow	Earth	Loamy		<6.2	110	190	0.15		
			2013/01/29	Sunny	10.4	Very dark reddish yellow	Earth	Loamy		<5.6	110	210	0.13	Very dark reddish yellow	Earth	Loamy		<9.6	230	400	0.14		
			2012/05/25	Cloudy	23.0	Very dark yellow red	Earth	Loamy		<7.8	150	210	0.12	Very dark yellow red	Earth	Loamy		<7.8	230	330	0.11		
Morotogawa River	Morotobashi Bridge	Inzaishi City	2012/08/06	Rain		Dark reddish yellow	Faint earth	Loamy/clayish		<7.0	100	150	0.12	Dark reddish yellow	Faint earth	Loamy		<7.3	170	300	0.12		
			2012/11/07	Sunny	19.4	Very dark reddish yellow	Earth	Loamy		<8.1	130	240	0.10	Very dark yellow red	Earth	Loamy		<8.0	240	390	0.11		
			2013/01/29	Sunny	9.8	Very dark reddish yellow	Earth	Loamy		<6.8	66	140	0.12	Very dark yellow red	Earth	Loamy		<14	530	970	0.13		

Table 4.7.1.3 Chiba Pref. River (Surrounding Environment)

No.	Water Body	Point	Municipality	Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)											Remarks								
							Left bank						Right bank													
							Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose µSv/h	Soil			Radioactive material concentrations (Bq/kg (dry))									
							Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137		Color	Odor	Property	Radioactive iodine I-131		Cs-134	Cs-137						
Rivers	Kashimagawa River	Iwatombashi Bridge	Sakurashi City	2012/05/25	Cloudy	21.5	Very dark yellow	Earth	Loamy		<5.9	51	71	0.08	Very dark yellow	Earth	Loamy		<6.3	93	150	0.07				
				2012/08/07	Sunny	34.5	Very dark yellow red	Earth	Loamy		<7.3	120	190	0.06	Very dark yellow red	Earth	Loamy		<8.8	310	500	0.09				
				2012/11/08	Sunny	18.0	Very dark reddish yellow	Earth	Loamy		<5.8	51	93	0.08	Very dark reddish yellow	Earth	Loamy		<4.8	47	85	0.08				
		2013/01/28		Sunny	9.9	Very dark yellow red	Earth	Loamy		<7.1	120	230	0.07	Very dark yellow red	Earth	Loamy		<6.9	69	110	0.07					
		2012/05/25		Cloudy	22.0	Very dark yellow red	Leaf mold	Loamy		<9.4	190	290	0.09	Very dark yellow red	Leaf mold	Loamy		<7.6	130	190	0.08					
		2012/08/07		Sunny	36.5	Very dark reddish yellow	Earth	Loamy		<7.2	170	280	0.09	Very dark reddish yellow	Earth	Loamy		<8.6	240	420	0.09					
	Takasakigawa River	Ryutobashi Bridge	Sakurashi City	2012/11/08	Sunny	18.0	Very dark reddish yellow	Earth	Loamy		<6.1	130	240	0.08	Very dark reddish yellow	Earth	Loamy		<6.2	120	200	0.07				
				2013/01/28	Sunny	9.9	Very dark reddish yellow	Earth	Loamy		<6.2	150	260	0.08	Very dark yellow red	Earth	Loamy		<8.4	130	260	0.09				
				2012/05/25	Cloudy	21.8	Dark reddish yellow	Earth	Loamy/skeletal		<6.8	140	210	0.09	Dark reddish yellow	Earth	Loamy		<13	610	910	0.12				
				2012/08/07	Sunny	35.0	Very dark yellow red	None	Loamy		<9.0	410	690	0.14	Very dark yellow red	Earth	Sandy/loamy		<12	680	1,100	0.13				
				2012/11/08	Sunny	18.4	Very dark reddish yellow	Earth	Loamy		<6.3	110	180	0.08	Very dark reddish yellow	Earth	Loamy		<6.0	100	180	0.07				
				2013/01/28	Sunny	9.1	Very dark reddish yellow	Earth	Loamy/sandy		<5.5	82	160	0.07	Very dark reddish yellow	Faint earth	Loamy		<6.3	70	130	0.08				
Inbasuiro Channel	Tsuumakibashi Bridge	Inaishi City	2012/06/05	Cloudy	25.5	Dark reddish yellow	Earth	Loamy		<9.1	440	660	0.17	Dark reddish yellow	Earth	Sandy		<6.9	230	370	0.17					
			2012/08/07	Sunny	32.0	Very dark reddish yellow	Grass	Sandy		<9.3	370	590	0.15	Very dark reddish yellow	Grass	Sandy		<11	590	950	0.17					
			2012/11/08	Sunny	21.4	Very dark yellow red	Earth	Loamy		<7.6	270	440	0.14	Very dark yellow	Earth	Loamy		<9.5	490	810	0.16					
			2013/01/25	Cloudy	9.5	Very dark reddish yellow	Earth	Loamy/sandy		<7.8	270	480	0.14	Very dark yellow red	Earth	Loamy/skeletal		<7.2	220	420	0.15					
			2012/06/05	Cloudy	24.1	Very dark reddish yellow	Earth	Loamy		<9.2	310	460	0.24	Very dark reddish yellow	Earth	Loamy		<18	890	1,400	0.24					
			2012/08/08	Sunny	28.0	Dark reddish yellow	Earth	Loamy		<10	400	650	0.24	Dark reddish yellow	Grass	Loamy		<15	680	1,100	0.24					
Tonezuga Canal	Ungahashi Bridge	Nagareyamashi City/ Nodashi City	2012/11/09	Sunny	17.0	Very dark reddish yellow	Earth	Loamy		<11	430	720	0.20	Very dark reddish yellow	Earth	Loamy		<9.6	240	400	0.19					
			2013/01/23	Cloudy	10.7	Very dark reddish yellow	Earth	Loamy		<9.6	370	640	0.19	Very dark reddish yellow	Earth	Loamy		<14	510	950	0.18					
			2012/06/05	Cloudy	22.0	Very dark reddish yellow	Earth	Loamy		<14	740	1,100	0.26	Very dark reddish yellow	Earth	Loamy		<8.2	270	400	0.21					
			2012/08/08	Sunny	30.0	Very dark reddish yellow	Grass/earth	Loamy		<14	1,000	1,600	0.29	Dull reddish yellow	Earth	Loamy		<11	520	820	0.22					
			2012/11/09	Sunny	19.1	Very dark reddish yellow	Earth	Loamy		<15	650	1,100	0.21	Very dark yellow	Earth	Loamy		<11	410	690	0.16					
			2013/01/23	Cloudy	9.5	Very dark reddish yellow	Earth	Loamy		<12	540	1,000	0.21	Very dark reddish yellow	Faint earth	Loamy		<9.3	360	650	0.16					
Edogawa River	Nagareyamabashi Bridge	Nagareyamashi City/ Minato City	2012/06/06	Cloudy	24.0	-	-	-	-	-	-	-	0.22	-	-	-	-	-	-	-	-	-	0.21	(Left bank) Unable to collect samples due to private property (Right bank) Soil not exposed		
			2012/08/08	Sunny	32.5	-	-	-	-	-	-	-	-	-	0.19	-	-	-	-	-	-	-	-		0.21	
			2012/11/12	Rain	15.5	-	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-		-	0.17
			2013/01/23	Cloudy	9.7	-	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-		-	0.17
			2012/06/06	Rain	22.2	-	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-		-	0.18
			2012/08/08	Sunny	30.0	-	-	-	-	-	-	-	-	-	0.16	-	-	-	-	-	-	-	-		-	0.18
Sakagawa River	Bentobashi Bridge	Matsudoshi City	2012/11/12	Rain	16.2	-	-	-	-	-	-	-	0.16	-	-	-	-	-	-	-	-	-	-	0.18		
			2013/01/23	Cloudy	9.4	-	-	-	-	-	-	-	-	-	0.13	-	-	-	-	-	-	-	-	-	0.12	
			2012/06/06	Rain	19.1	Dark reddish yellow	Earth	Loamy		<8.1	270	380	0.19	Very dark reddish yellow	Earth	Loamy		<11	460	720	0.20					
			2012/08/09	Sunny	33.0	Very dark reddish yellow	Grass	Loamy		<14	720	1,100	0.19	Dark yellow red	Grass	Loamy		<11	500	770	0.18					
			2012/11/12	Cloudy	17.0	Very dark reddish yellow	Earth	Loamy		<8.3	310	550	0.18	Very dark yellow red	Earth	Loamy		<17	890	1,400	0.23					
			2013/01/23	Cloudy	7.4	Very dark yellow red	Earth	Loamy		<11	390	650	0.18	Very dark reddish yellow	Earth	Loamy		<12	300	520	0.18					
Shirakagawa River	Sakanebashi Bridge	Matsudoshi City/ Katsushika City	2012/06/08	Cloudy	24.0	Dark reddish yellow	Earth	Loamy		<8.8	430	660	0.16	Dark reddish yellow	Earth	Loamy		<7.7	180	270	0.20					
			2012/08/09	Sunny	31.0	Dull reddish yellow	Earth	Loamy		<13	660	1,000	0.18	Soft reddish yellow	Grass	Loamy		<14	580	920	0.19					
			2012/11/12	Cloudy	18.9	Very dark reddish yellow	Earth	Loamy		<8.9	350	600	0.15	Very dark reddish yellow	Earth	Loamy		<6.3	150	240	0.23					
			2013/01/24	Sunny	8.9	Very dark yellow red	Earth	Loamy		<9.6	350	590	0.15	Very dark reddish yellow	Earth	Loamy/skeletal		<9.4	260	470	0.21					
			2012/06/29	Cloudy	26.5	Very dark reddish yellow	Earth	Loamy		<8.1	320	480	0.17	Very dark reddish yellow	Earth	Loamy		<12	450	660	0.15					
			2012/08/22	Sunny	36.0	Dark reddish yellow	Earth	Loamy		<7.9	170	280	0.20	Dark reddish yellow	Earth	Loamy		<7.7	170	240	0.19					
Edogawa River	Ichikawabashi Bridge	Ichikawashi City/ Edogawa City	2012/11/14	Sunny	18.4	Very dark yellow red	Earth	Loamy		<8.2	180	310	0.14	Very dark yellow red	Earth	Loamy		<9.5	280	510	0.14					
			2013/01/24	Cloudy	6.3	Very dark reddish yellow	Earth	Loamy		<12	320	620	0.16	Very dark yellow	Earth	Loamy		<8.7	300	550	0.14					
			2012/06/29	Cloudy	26.5	Very dark reddish yellow	Earth	Loamy		<8.1	320	480	0.17	Very dark reddish yellow	Earth	Loamy		<12	450	660	0.15					
			2012/08/22	Sunny	36.0	Dark reddish yellow	Earth	Loamy		<7.9	170	280	0.20	Dark reddish yellow	Earth	Loamy		<7.7	170	240	0.19					
Vicinity of Keiyo Road			2012/11/14	Sunny	18.4	Very dark yellow red	Earth	Loamy		<8.2	180	310	0.14	Very dark yellow red	Earth	Loamy		<9.5	280	510	0.14					
			2013/01/24	Cloudy	6.3	Very dark reddish yellow	Earth	Loamy		<12	320	620	0.16	Very dark yellow	Earth	Loamy		<8.7	300	550	0.14					

Table 4.7.1.3 Chiba Pref. River (Surrounding Environment)

Sampling point				Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks					
No.	Water Body		Point				Municipality	Left bank						Right bank											
								Soil			Air dose μSv/h			Soil			Air dose μSv/h								
								General items			Radioactive material concentrations (Bq/kg (dry))			General items			Radioactive material concentrations (Bq/kg (dry))								
Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137	Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137	Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137								
R i v e r s	42	Edogawa River	Downstream of Nakazawashinbashi Bridge	Ichikawashi City	2012/06/07	Sunny	25.2	Very dark reddish yellow	Earth	Loamy	-15	980	1,500	0.18	Very dark reddish yellow	Earth	Loamy	<17	950	1,500	0.17				
					2012/08/10	Sunny	35.0	Very dark reddish yellow	Faint earth	Loamy	<9.6	360	580	0.12	Very dark reddish yellow	Faint earth	Loamy	<13	430	680	0.13				
					2012/11/15	Sunny	16.0	Very dark reddish yellow	Earth	Loamy	<16	610	1,100	0.14	Very dark yellow red	Earth	Loamy/sandy	<9.6	380	680	0.12				
					2013/01/21	Sunny	10.4	Very dark yellow red	Earth	Loamy	<13	230	450	0.12	Very dark yellow red	Earth	Loamy	<14	250	450	0.12				
					2012/06/07	Sunny	25.0	-	-	-	-	-	-	0.06	-	-	-	-	-	-	-	-	-	0.08	
	43	Okashiwagawa River	Sengenbashi Bridge	Ichikawashi City	2012/08/10	Sunny	35.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	(Left bank) Unable to collect samples due to construction		
					2012/11/15	Sunny	16.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	(Right bank) Soil not exposed	
					2013/01/17	Sunny	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
					2012/06/08	Sunny	26.0	Very dark reddish yellow	Earth	Loamy	<8.8	280	390	0.11	Very dark reddish yellow	Earth	Loamy	<9.8	230	340	0.10				
	44	System	Mamagawa River	Mitomachashi Bridge	Ichikawashi City	2012/08/10	Sunny	32.0	Dark reddish yellow	Earth	Loamy	<6.3	140	230	0.07	Dark yellow red	Earth	Loamy	<6.9	180	270	0.10			
						2012/11/14	Sunny	17.2	Dark reddish yellow	Earth	Loamy/sandy	<8.3	260	430	0.10	Very dark reddish yellow	Earth	Loamy	<6.7	200	330	0.09			
						2013/01/17	Cloudy	10.1	Dark reddish yellow	Earth	Loamy	<7.2	160	290	0.09	Very dark reddish yellow	Earth	Loamy	<6.2	140	270	0.10			
						2012/06/01	Sunny	26.0	Very dark yellow red	Earth	Loamy	<8.1	140	200	0.10	Very dark yellowish red	Earth	Loamy	<14	420	620	0.09			
						2012/08/10	Sunny	30.0	Pale reddish yellow	Earth	Loamy	<12	440	720	0.07	Very dark reddish yellow	Earth	Loamy	<17	640	990	0.07			
	45	Ebigawa River	Yachiyobashi Bridge	Funabashi City	2012/11/14	Sunny	17.0	Dark yellow red	Earth	Loamy	<13	360	600	0.09	Very dark yellow red	Earth	Loamy	<13	430	730	0.08				
2013/01/17					Cloudy	11.8	Very dark reddish yellow	Earth	Loamy	<11	290	550	0.09	Very dark reddish yellow	Earth	Loamy	<13	350	620	0.08					
2012/06/01					Sunny	30.0	Very dark yellow red	Earth	Loamy	<6.8	100	160	0.11	Very dark yellow red	Earth	Loamy	<7.6	200	310	0.11					
2012/07/13					Cloudy	25.2	Very dark yellow red	Green grass	Loamy	<6.5	160	250	0.12	Dark reddish yellow	Green grass	Loamy	<11	250	420	0.10					
2012/08/03					Sunny	34.0	Very dark reddish yellow	Faint earth	Loamy	<8.9	210	330	0.09	Very dark reddish yellow	Earth	Loamy	<11	410	680	0.10					
46	Ihaha Discharge Channel (lower reaches)	Shinhanamigawabashi Bridge	Chibashi City	2012/09/10	Sunny	31.5	Dark reddish yellow	Earth	Loamy	<13	620	960	0.10	Very dark yellow red	Earth	Loamy	<8.2	240	400	0.09					
				2012/11/15	Sunny	14.8	Very dark reddish yellow	Earth	Loamy/sandy	<7.1	120	210	0.12	Very dark reddish yellow	Earth	Loamy/sandy	<8.7	180	310	0.11					
				2013/01/17	Cloudy	5.2	Very dark yellow red	Earth	Loamy/sandy	<6.4	140	240	0.10	Very dark reddish yellow	Earth	Loamy	<7.6	190	320	0.09					
				2012/06/01	Rain	25.2	Very dark yellow red	Earth	Loamy	<4.6	35	48	0.08	Very dark yellowish red	Earth	Loamy	<14	590	860	0.08					
				2012/08/03	Sunny	34.0	Very pale reddish yellow	Faint earth	Sandy	<4.8	57	84	0.07	Very dark reddish yellow	Faint earth	Loamy	<12	360	620	0.08					
47	Miyakogawa River	Miyakobashi Bridge	Chibashi City	2012/11/01	Sunny	20.6	Very dark reddish yellow	Earth	Sandy	<4.6	43	70	0.07	Very dark yellow red	Earth	Loamy	<12	330	540	0.09					
				2013/01/15	Cloudy	5.9	Very dark reddish yellow	Earth	Loamy/sandy	<4.2	39	83	0.07	Very dark reddish yellow	Earth	Loamy	<12	380	670	0.10					

Table 4.7.2.1 Chiba Pref. Lake and Headwater (Water Quality)

No.	Sampling point			Sampling date	Weather	Air temperature C	Full depth m	Water quality										Remarks	
	Point	Municipality	Surface layer/Bottom layer					General items						Radioactive material concentrations (Bq/L)					
								Water temperature C	Sampling depth m	Color	Odor	Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
52	Fusohita	Inzaishi City	Surface layer	2012/06/13	Sunny	20.3	2.4	20.1	0.5	Dark grayish yellow green	Faint mold	0.5	31.5	15	9.5	-0.53	-0.61	-0.53	
			Bottom layer					19.9	1.4	-	Faint mold		29.3	15	8.6	-0.56	-0.70	-0.76	
			Surface layer	2012/09/11	Sunny	32.1	1.9	29.5	0.5	Dark grayish yellow green	Faint mold	0.3	28.3	26	17	-0.50	-0.59	-0.60	
			Bottom layer					29.2	0.9	-	Faint mold		28.1	30	17	-0.73	-0.66	-0.75	
			Surface layer	2012/12/17	Cloudy	6.4	2.3	6.1	0.5	Dark grayish reddish yellow	Faint mold	0.4	38.1	31	19	-0.55	-0.72	-0.57	
			Bottom layer					6.6	1.3	-	Faint mold		40.1	32	20	-0.45	-0.61	-0.50	
53	Shimoteganuma Chao	Inzaishi City	Surface layer	2013/02/18	Rain	3.7	2.5	4.2	0.5	Grayish reddish yellow	None	0.4	38.2	35	29	-0.48	-0.56	-0.44	
			Bottom layer					4.2	1.2	-	None		37.6	37	30	-0.54	-0.72	-0.53	
			Surface layer	2012/06/13	Cloudy	20.8	1.7	19.3	0.5	Dark grayish yellow green	Faint mold	0.3	30.6	26	12	-0.48	-0.48	-0.57	
			Bottom layer					19.1	0.7	-	Faint mold		29.7	24	11	-0.52	-0.61	-0.51	
			Surface layer	2012/09/11	Sunny	29.7	1.3	30.4	0.5	Dark grayish yellow green	Faint mold	0.3	30.3	62	34	-0.48	-0.67	-0.58	
			Bottom layer					-	-	-	-		-	-	-	-	-	-	-
54	Teganuma Lake	Teganuma Chao	Surface layer	2012/12/17	Cloudy	6.3	1.3	6.1	0.5	Dark grayish yellow	Faint mold	0.4	32.7	34	18	-0.51	-0.66	-0.69	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/02/18	Rain	3.1	1.4	4.5	0.5	Grayish reddish yellow	None	0.4	34.3	26	15	-0.63	-0.80	-0.64	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/06/13	Cloudy	20.5	1.7	19.7	0.5	Dark grayish yellow green	Faint mold	0.3	31.7	34	13	-0.67	-0.72	-0.66	
			Bottom layer					19.7	0.7	-	Faint mold		29.0	23	11	-0.47	-0.53	-0.63	
55	Nedoshita	Abikoashi City/Kashiwashi City	Surface layer	2012/09/11	Sunny	31.9	1.4	30.2	0.5	Dark grayish yellow green	Faint mold	0.4	27.0	30	19	-0.47	-0.66	-0.69	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/12/17	Cloudy	6.0	1.3	6.2	0.5	Dark grayish yellow	Faint mold	0.4	37.7	28	20	-0.49	-0.65	-0.56	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/02/18	Rain	3.0	1.3	4.3	0.5	Dark grayish reddish yellow	None	0.4	37.1	37	31	-0.57	-0.61	-0.55	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
56	Kita Inbanuma Chao	Inzaishi City/Narutashi City	Surface layer	2012/06/14	Cloudy	19.1	1.7	19.2	0.5	Dark grayish yellow	Faint mold	0.4	40.1	36	17	-0.48	-0.53	-0.63	
			Bottom layer					19.0	0.7	-	Faint mold		28.4	37	17	-0.57	-0.66	-0.63	
			Surface layer	2012/09/11	Sunny	30.4	1.5	29.5	0.5	Dark grayish yellow green	Seaweed	0.3	27.6	25	16	-0.46	-0.59	-0.66	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/12/17	Cloudy	7.0	1.4	6.3	0.5	Dark grayish greenish yellow	Faint mold	0.6	34.0	14	12	-0.46	-0.58	-0.47	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
57	Ipponmatsushita	Inzaishi City	Surface layer	2013/02/18	Cloudy	2.6	1.4	4.4	0.5	Grayish reddish yellow	None	0.4	31.5	52	33	-0.41	-0.51	-0.56	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/06/14	Sunny	19.8	1.7	19.9	0.5	Dark grayish yellow	Faint mold	0.5	27.7	17	8.3	-0.58	-0.59	-0.53	
			Bottom layer					19.6	0.7	-	Faint mold		27.5	19	10	-0.61	-0.80	-0.71	
			Surface layer	2012/09/11	Sunny	31.7	1.5	29.5	0.5	Dark grayish yellow green	Seaweed	0.4	27.5	21	13	-0.69	-0.85	-0.68	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
57	Ipponmatsushita	Inzaishi City	Surface layer	2012/12/17	Cloudy	7.0	1.4	6.4	0.5	Dark grayish greenish yellow	Faint mold	0.6	30.8	12	9.8	-0.56	-0.66	-0.60	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/02/18	Rain	3.0	1.4	4.4	0.5	Grayish reddish yellow	None	0.5	33.5	23	19	-0.54	-0.59	-0.62	
			Bottom layer					-	-	-		-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water

Lake and Headwater

Table 4.7.2.1 Chiba Pref. Lake and Headwater (Water Quality)

L a k e s a n d h e a d w a t e r s	Sampling point				Sampling date	Weather	Air temperature C	Full depth m	Water quality										Remarks			
	No.	Point	Municipality	Surface layer/Bottom layer					General items						Radioactive material concentrations (Bq/L)							
									Water temperature C	Sampling depth m	Color	Odor	Secchi disk depth m	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				
58	Inbanuma Lake	Lower area of Josuido water intake	Sakurashi City	Surface layer	2012/06/14	Sunny	20.4	1.7	19.9	0.5	Dark grayish yellow	Faint mold	0.4	27.1	51	25	-0.47	-0.63	-0.63			
				Bottom layer							19.8	0.7	-	Faint mold		26.6	46	24	-0.45	-0.63	-0.72	
				Surface layer	2012/09/11	Sunny	30.7	1.6	29.0	0.5	Dark grayish yellow green	Seaweed	0.4	27.7	28	19	-0.50	-0.48	-0.63			
				Bottom layer							28.8	0.6	-	Seaweed		28.2	17	20	-0.58	-0.68	-0.66	
				Surface layer	2012/12/17	Cloudy	6.7	1.4	6.5	0.5	Dark grayish greenish yellow	Faint mold	0.5	33.6	16	12	-0.54	-0.53	-0.63			
				Bottom layer							-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
	59	Asobashi Bridge	Yachiyoishi City	Surface layer	2012/06/14	Cloudy	22.6	1.9	21.7	0.5	Dark grayish yellow	Faint mold	0.6	26.6	25	12	-0.69	-0.73	-0.58			
				Bottom layer							21.2	0.9	-	Faint mold		25.9	20	8.8	-0.57	-0.68	-0.59	
				Surface layer	2012/09/11	Sunny	32.1	1.8	29.2	0.5	Dark grayish yellow green	Seaweed	0.5	28.4	13	8.6	-0.57	-0.70	-0.62			
				Bottom layer							29.2	0.8	-	Seaweed		28.4	11	8.0	-0.51	-0.61	-0.60	
				Surface layer	2012/12/17	Cloudy	6.5	1.7	6.6	0.5	Dark grayish greenish yellow	Faint mold	0.6	37.5	16	12	-0.44	-0.65	-0.63			
				Bottom layer							6.6	0.7	-	Faint mold		39.7	16	11	-0.43	-0.48	-0.54	
59	Asobashi Bridge	Yachiyoishi City	Surface layer	2013/02/18	Rain	3.3	1.7	5.8	0.5	Grayish reddish yellow	None	0.7	36.3	12	9.3	-0.51	-0.74	-0.47				
			Bottom layer							5.8	0.7	-	None		36.4	13	8.7	-0.51	-0.56	-0.60		

Table 4.7.2.2 Chiba Pref. Lake and Headwater (Sediment)

L a k e s a n d h e a d w a t e r s	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Sediment														Remarks					
	No.	Point	Municipality					General items										Radioactive material concentrations (Bq/kg dried mud)									
								Mud temperature °C	Mud sampling depth cm	Color	Odor	Mechanical composition %						Mud content %	Density g/cm ³	Property	Radioactive iodine I-131		Radioactive cesium				
												Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt						Clay	Cs-134	Cs-137		
52	Fusashita	Inzai City	2012/06/13	Sunny	20.3	2.40	20.3	3	Yellow greenish dark gray	Mud	0.0	1.4	1.3	44.2	38.2	14.8	0.0	73.7	2.629	Sand	-9.9	400	580				
			2012/09/11	Sunny	32.1	1.90	29.1	3	Yellowish dark gray	Sludge	0.0	0.0	0.0	30.0	43.9	25.2	0.0	67.2	2.591	Sand	-9.4	370	570				
			2012/12/17	Cloudy	6.4	2.30	6.6	5	Reddish yellowish dark gray	Mud	3.9	2.0	0.0	26.0	44.7	23.4	0.0	65.0	2.627	Mud	-9.5	320	580				
			2013/02/18	Rain	3.7	2.20	4.9	4	Reddish yellowish black	Faint sludge	0.0	1.5	0.3	26.7	43.6	27.9	0.0	59.2	2.613	Silt	-12	310	570				
	53	Shimotegamura Chao	Inzai City	2012/06/13	Cloudy	20.8	1.70	20.0	20	Yellow greenish dark gray	Mud	0.0	0.0	0.6	23.2	50.4	25.8	0.0	51.2	2.598	Mud	-11	260	390			
				2012/09/11	Sunny	29.7	1.30	29.1	10	Dark grayish yellow	Mud	0.0	0.2	1.2	17.0	48.1	33.6	0.0	51.6	2.486	Mud	-11	280	440			
				2012/12/17	Cloudy	6.3	1.30	6.9	10	Yellowish dark gray	Mud	0.0	0.0	0.0	22.4	49.5	28.1	0.0	57.9	2.65	Mud	-9.4	170	320			
				2013/02/18	Rain	3.1	1.40	5.5	4	Reddish yellowish black	None	0.0	0.0	0.0	14.2	55.8	30.0	0.0	42.9	2.563	Silt	-14	320	580			
				54	Tegamura Chao	Kashiwashi City	2012/06/13	Cloudy	20.5	1.70	21.0	20	Yellow greenish dark gray	Mud	0.0	0.0	3.7	9.3	39.6	47.4	0.0	34.2	2.352	Mud	-17	380	610
							2012/09/11	Sunny	31.9	1.40	28.7	15	Dark grayish yellow	Faint sludge	0.0	0.0	1.3	12.4	38.5	47.9	0.0	36.9	2.112	Mud	-19	590	950
	55	Nedoshita	Abikoshi City/Kashiwashi City	2012/12/17	Cloudy	6.0	1.30	7.2	3	Dark grayish yellow	Mud	0.0	0.0	0.0	6.0	49.4	44.6	0.0	31.2	2.413	Mud	-23	580	1,000			
				2013/02/18	Rain	3.0	1.30	4.9	7	Reddish yellowish black	None	0.0	0.0	0.0	4.8	47.3	47.9	0.0	31.6	2.428	Silt	-22	540	1,000			
				2012/06/13	Cloudy	19.6	2.50	20.2	20	Yellow greenish dark gray	Mud	0.0	0.0	0.0	2.2	35.2	61.9	0.7	41.0	2.278	Mud	-28	2,200	3,100			
				2012/09/11	Sunny	31.8	1.90	27.6	10	Dark grayish greenish yellow	Faint sludge	0.0	0.0	0.0	1.3	37.2	61.4	0.0	38.0	2.155	Mud	-40	2,900	4,700			
	56	Kita Inbanuma Chao	Inzai City/Naritsashi City	2012/12/17	Cloudy	5.9	1.90	7.8	7	Dark grayish reddish yellow	Mud	0.0	0.0	0.0	4.8	48.1	50.1	0.0	37.5	2.466	Mud	-35	2,700	4,900			
				2013/02/18	Rain	4.5	1.90	5.9	7	Reddish yellowish dark gray	None	0.0	0.0	0.9	9.5	37.6	51.9	0.0	36.5	2.428	Silt	-36	2,800	5,400			
				2012/06/14	Cloudy	19.1	1.70	20.2	15	Reddish yellowish dark gray	Mud	0.0	0.0	0.0	0.4	24.8	74.7	0.1	35.8	2.315	Mud	-17	340	570			
				2012/09/11	Sunny	30.4	1.50	27.9	15	Dark grayish greenish yellow	Mud	0.0	0.0	0.0	0.5	26.9	72.5	0.1	34.2	2.07	Mud	-16	250	380			
				2012/12/17	Cloudy	7.0	1.40	7.3	10	Yellowish dark gray	Mud	0.0	0.0	0.9	14.9	41.3	42.7	0.3	33.4	2.478	Mud	-14	180	280			
	57	Ipponmatsushita	Inzai City	2013/02/18	Cloudy	2.6	1.40	5.6	5	Reddish yellowish black	Earth	0.0	0.0	0.4	15.3	37.1	47.1	0.2	32.8	2.469	Silt	-16	210	350			
2012/06/14				Sunny	19.8	1.70	19.8	20	Reddish yellowish dark gray	Mud	0.0	0.0	12.6	14.7	31.9	40.8	0.0	33.4	2.226	Mud	-16	220	380				
2012/09/11				Sunny	31.7	1.50	28.8	15	Dark grayish greenish yellow	Mud	0.0	0.0	0.0	2.5	42.4	55.1	0.0	33.7	2.126	Mud	-17	330	530				
2012/12/17				Cloudy	7.0	1.40	6.9	5	Yellowish dark gray	Mud	0.0	0.0	0.0	11.7	46.4	41.9	0.0	31.8	2.471	Mud	-18	290	450				
2013/02/18				Rain	3.0	1.40	5.8	4	Reddish yellowish black	None	0.0	0.0	0.3	14.0	47.2	38.5	0.0	31.5	2.436	Silt	-17	260	470				
58	Lower area of Josuido water intake	Sakurashi City	2012/06/14	Sunny	20.4	1.70	20.6	20	Reddish yellowish dark gray	Mud	0.0	0.0	0.0	4.0	50.0	46.1	0.0	38.0	2.398	Mud	-16	340	600				
			2012/09/11	Sunny	30.7	1.60	27.9	10	Dark grayish yellow	Mud	0.0	0.0	0.0	2.1	44.1	53.8	0.0	37.6	2.233	Mud	-16	390	660				
			2012/12/17	Cloudy	6.7	1.40	7.2	10	Yellowish dark gray	Mud	0.0	0.0	0.0	6.2	52.8	41.0	0.0	36.1	2.504	Mud	-17	340	570				
			2013/02/18	Rain	2.6	1.40	5.9	8	Reddish yellowish black	None	0.0	0.0	0.0	6.8	50.2	43.1	0.0	36.0	2.481	Silt	-17	300	580				
59	Asobashi Bridge	Yachiyo City	2012/06/14	Cloudy	22.6	1.90	20.8	3	Yellowish dark gray	Faint sludge	0.0	0.0	1.7	40.4	49.4	8.4	0.0	79.5	2.657	Sand	-9.1	390	590				
			2012/09/11	Sunny	32.1	1.80	28.7	5	Greenish yellowish dark gray	Mud	0.0	0.7	2.7	49.2	38.6	8.8	0.0	82.0	2.622	Sand	-7.9	300	500				
			2012/12/17	Cloudy	6.5	1.70	6.8	2	Reddish yellowish dark gray	Mud	0.0	0.0	0.4	37.9	47.5	14.2	0.0	71.2	2.662	Sand	-9.5	380	700				
			2013/02/18	Rain	3.3	1.70	5.9	2	Reddish yellowish black	None	0.0	0.3	38.9	27.6	27.1	6.2	0.0	72.6	2.655	Silt	-9.2	340	630				

Table 4.7.2.3 Chiba Pref. Lake and Headwater (Surrounding Environment)

L a k e s h e a d w a t e r s	Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)						Remarks			
	No.	Point					Municipality	Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose µSv/h		
								General items		Radioactive iodine I-131					Radioactive cesium Cs-134 Cs-137	
								Color	Odor	Property						
52	Fusashita	Inzaishi City	2012/06/13	Sunny	20.3	-	-	-	-	-	-	-	Mud sampling points not determined			
			2012/09/11	Sunny	32.1	-	-	-	-	-	-	-				
			2012/12/17	Cloudy	6.4	-	-	-	-	-	-	-				
			2013/02/18	Rain	3.7	-	-	-	-	-	-	-				
	53	Shimotegama Chao	Inzaishi City	2012/06/13	Cloudy	20.8	Very dark reddish yellow	Earth	Sandy	-8.3	370	550	0.17			
				2012/09/11	Sunny	29.7	Dark yellow red	Earth	Loamy	<13	590	950	0.15			
				2012/12/17	Cloudy	6.3	Very dark yellow red	Earth	Loamy	-9.4	420	730	0.14			
				2013/02/18	Rain	3.1	Very dark reddish yellow	Earth	Loamy/sandy	<7.0	200	370	0.15			
	54	Tegama Chao	Kashiwashi City	2012/06/13	Cloudy	20.5	-	-	-	-	-	-	-	Mud sampling points not determined		
				2012/09/11	Sunny	31.9	-	-	-	-	-	-	-			
				2012/12/17	Cloudy	6.0	-	-	-	-	-	-	-			
				2013/02/18	Rain	3.0	-	-	-	-	-	-	-			
55	Nedoshita	Abikoshi City/Kashiwashi City	2012/06/13	Cloudy	19.6	Dark yellow red	Earth	Loamy	-9.4	100	150	0.23				
			2012/09/11	Sunny	31.8	Dark yellow red	Earth	Loamy	<13	570	940	0.17				
			2012/12/17	Cloudy	5.9	Very dark reddish yellow	Earth	Loamy	<13	620	1,100	0.22				
			2013/02/18	Rain	4.3	Very dark reddish yellow	Earth	Loamy	<11	370	680	0.22				
			2012/06/14	Cloudy	19.1	Very dark yellow red	Earth	Loamy	<11	470	740	0.20				
56	Kita Inbanuma Chao	Inzaishi City/Naritaishi City	2012/09/11	Sunny	30.4	Very dark reddish yellow	Earth	Loamy	-7.8	270	460	0.20				
			2012/12/17	Cloudy	7.0	Very dark reddish yellow	Earth	Loamy	-7.6	260	470	0.18				
			2013/02/18	Cloudy	2.6	Very dark yellow red	Earth	Loamy	-8.3	350	660	0.22				
			2012/06/14	Sunny	19.8	-	-	-	-	-	-	-				
			2012/09/11	Sunny	31.7	-	-	-	-	-	-	-				
57	Ipponmatsushita	Inzaishi City	2012/12/17	Cloudy	7.0	-	-	-	-	-	-	-	Mud sampling points not determined			
			2013/02/18	Rain	3.0	-	-	-	-	-	-	-				
			2012/06/14	Sunny	20.4	-	-	-	-	-	-	-				
			2012/09/11	Sunny	30.7	-	-	-	-	-	-	-				
58	Lower area of Josuido water intake	Sakarashi City	2012/12/17	Cloudy	6.7	-	-	-	-	-	-	-	Mud sampling points not determined			
			2013/02/18	Rain	2.6	-	-	-	-	-	-	-				
			2012/06/14	Sunny	20.4	-	-	-	-	-	-	-				
			2012/09/11	Sunny	30.7	-	-	-	-	-	-	-				
59	Asobashi Bridge	Yachiyoshi City	2012/06/14	Cloudy	22.6	Very dark reddish yellow	Earth	Loamy	<11	470	660	0.11				
			2012/09/11	Sunny	32.1	Very dark yellow red	Earth	Loamy	-8.8	170	260	0.11				
			2012/12/17	Cloudy	6.5	Very dark yellow red	Earth	Loamy	-6.7	110	230	0.10				
			2013/02/18	Rain	3.3	Very dark yellow red	Earth	Loamy	<7.1	140	240	0.13				

Table 4.7.3.1 Chiba Pref. Coastal Area (Water Quality)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
No.	Water Body	Surface layer/Bottom layer					General items					Radioactive material concentrations (Bq/L)							
			Water temperature °C	Sampling depth m	Color	Odor	Secchi disk depth m	Salinity ‰	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137						
60	Tokoyan Bay 7	Offshore of Yotogawa River Estuary	Surface layer	2012/06/25	Cloudy	20.0	9.3	21.0	0.5	Dark grayish yellow green	None	3.2	27.8	<1	1.0	-0.54	-0.66	-0.55	
			Bottom layer	19.9	8.3	-	None	29.3	1.2	1.4	-0.52	-0.66	-0.62						
		Surface layer	2012/10/03	Rain	19.0	9.3	24.4	0.5	Greenish dark gray	None	3.0	31.4	6.3	0.9	-0.51	-0.64	-0.65		
		Bottom layer	24.4	8.3	-	None	31.1	2.8	1.3	-0.46	-0.63	-0.70							
		Surface layer	2012/11/05	Cloudy	14.0	9.6	19.6	0.5	Greenish gray	None	4.8	32.1	6.9	2.2	-0.69	-0.70	-0.68		
		Bottom layer	18.2	8.6	-	None	31.6	5.3	1.4	-0.53	-0.71	-0.49							
	Surface layer	2012/12/03	Cloudy	7.7	9.3	15.4	0.5	Greenish black	None	4.0	33.7	3.7	1.4	-0.49	-0.67	-0.56			
	Bottom layer	15.4	8.3	-	None	34.0	3.8	1.4	-0.62	-0.75	-0.60								
	Surface layer	2013/02/20	Sunny	12.3	9.3	9.2	0.5	Very dark yellow green	None	2.3	31.8	3.3	2.2	-0.46	-0.59	-0.60			
	Bottom layer	8.8	8.3	-	None	32.0	6.8	2.2	-0.52	-0.66	-0.66								
	61	Tokoyan Bay 5	Offshore of Miyakogawa River Estuary	Surface layer	2012/06/25	Cloudy	19.2	8.9	19.9	0.5	Dark grayish yellow green	None	3.3	28.0	<1	1.3	-0.64	-0.78	-0.68
				Bottom layer	19.7	7.9	-	None	28.6	<1	1.0	-0.46	-0.58	-0.49					
Surface layer			2012/10/03	Rain	20.4	8.6	24.4	0.5	Greenish dark gray	None	2.5	29.8	5.6	2.3	-0.55	-0.83	-0.76		
Bottom layer			24.4	7.6	-	None	30.9	3.8	1.7	-0.48	-0.68	-0.57							
Surface layer			2012/11/05	Cloudy	15.0	8.8	18.0	0.5	Yellow greenish dark gray	None	4.5	30.4	4.3	1.4	-0.59	-0.70	-0.57		
Bottom layer			18.2	7.8	-	None	31.6	4.7	1.3	-0.62	-0.96	-0.64							
Surface layer		2012/12/04	Cloudy	10.1	9.5	14.9	0.5	Dark bluish green	None	4.8	34.0	3.7	1.0	-0.64	-0.83	-0.73			
Bottom layer		15.3	8.5	-	None	34.3	8.5	2.8	-0.47	-0.63	-0.60								
Surface layer		2013/02/20	Cloudy	5.7	9.0	7.8	0.5	Very dark yellow	None	2.5	29.6	8.9	2.7	-0.52	-0.65	-0.57			
Bottom layer		8.1	8.0	-	None	32.3	7.7	2.7	-0.47	-0.58	-0.62								
62		Coastal sea area of Makuhari	Offshore of Inbanuma Discharge Channel	Surface layer	2012/06/25	Cloudy	19.0	5.3	20.4	0.5	Dark grayish yellow green	None	4.5	26.2	1.3	1.6	-0.52	-0.61	-0.60
				Bottom layer	20.4	4.3	-	None	27.2	1.4	2.2	-0.62	-0.72	-0.83					
	Surface layer			2012/08/01	Cloudy	29.0	5.2	30.0	0.5	Yellowish gray	Seaweed	2.5	22.0	3.2	4.2	-0.47	-0.48	-0.59	
	Bottom layer			26.8	4.2	-	Seaweed	26.1	2.4	5.2	-0.57	-0.66	-0.59						
	Surface layer			2012/09/03	Sunny	28.1	4.7	28.9	0.5	Grayish yellow	None	4.0	25.8	3.8	3.2	-0.53	-0.78	-0.60	
	Bottom layer			28.0	3.7	-	Faint sewage	27.4	4.1	2.6	-0.44	-0.71	-0.62						
	Surface layer		2012/10/03	Rain	19.9	5.0	22.6	0.5	Greenish dark gray	None	2.1	29.4	5.5	1.7	-0.45	-0.61	-0.47		
	Bottom layer		22.7	4.0	-	None	31.4	4.1	1.3	-0.65	-0.66	-0.71							
	Surface layer		2012/11/05	Cloudy	15.0	4.9	18.0	0.5	Yellow greenish dark gray	None	4.0	31.0	5.0	1.3	-0.44	-0.63	-0.59		
	Bottom layer		17.6	3.9	-	None	31.4	4.1	1.1	-0.57	-0.68	-0.53							
	Surface layer		2012/12/04	Cloudy	9.4	5.0	14.6	0.5	Dark bluish green	None	4.8	33.2	2.7	1.2	-0.55	-0.59	-0.62		
	Bottom layer		15.3	4.0	-	None	33.9	4.3	1.3	-0.47	-0.80	-0.56							
	Surface layer		2013/02/20	Cloudy	5.4	4.0	8.1	0.5	Very dark yellow	None	2.5	31.2	7.9	2.6	-0.61	-0.56	-0.62		
	Bottom layer		8.1	3.0	-	None	31.3	7.5	2.6	-0.69	-0.78	-0.68							
	Surface layer		2012/06/25	Cloudy	19.6	6.7	21.1	0.5	Dark grayish yellow red	None	1.5	25.4	3.4	2.4	-0.57	-0.68	-0.65		
	Bottom layer		20.5	5.7	-	None	27.0	<1	0.8	-0.49	-0.53	-0.52							
	Surface layer		2012/08/01	Cloudy	28.0	5.6	30.4	0.5	Greenish yellowish pale gray	Seaweed	2.0	23.1	3.3	4.0	-0.71	-0.90	-0.81		
	Bottom layer		27.2	4.6	-	Seaweed	26.0	4.6	6.1	-0.46	-0.76	-0.59							
Surface layer	2012/09/03	Sunny	28.0	7.2	29.9	0.5	Grayish greenish yellow	None	4.0	24.3	3.9	2.6	-0.51	-0.50	-0.59				
Bottom layer	25.0	6.2	-	None	29.3	3.0	4.4	-0.66	-0.90	-0.62									
Surface layer	2012/10/03	Cloudy	21.1	7.3	22.7	0.5	Greenish dark gray	None	1.9	31.3	5.6	2.2	-0.50	-0.58	-0.49				
Bottom layer	22.8	6.3	-	None	31.6	6.2	2.5	-0.60	-0.70	-0.57									
Surface layer	2012/11/05	Cloudy	14.5	6.9	16.5	0.5	Yellow greenish dark gray	None	4.6	30.9	4.1	1.3	-0.65	-0.87	-0.82				
Bottom layer	17.1	5.9	-	None	31.2	4.9	1.3	-0.52	-0.77	-0.62									
Surface layer	2012/12/04	Cloudy	8.0	7.5	12.6	0.5	Dull bluish green	None	4.0	32.7	3.3	1.3	-0.51	-0.65	-0.44				
Bottom layer	13.2	6.5	-	None	33.2	4.2	1.2	-0.52	-0.70	-0.51									
Surface layer	2013/02/20	Sunny	5.0	6.9	7.5	0.5	Very dark yellow	None	2.6	31.5	6.8	2.7	-0.69	-0.70	-0.70				
Bottom layer	7.7	5.9	-	None	32.1	7.2	2.7	-0.46	-0.63	-0.52									

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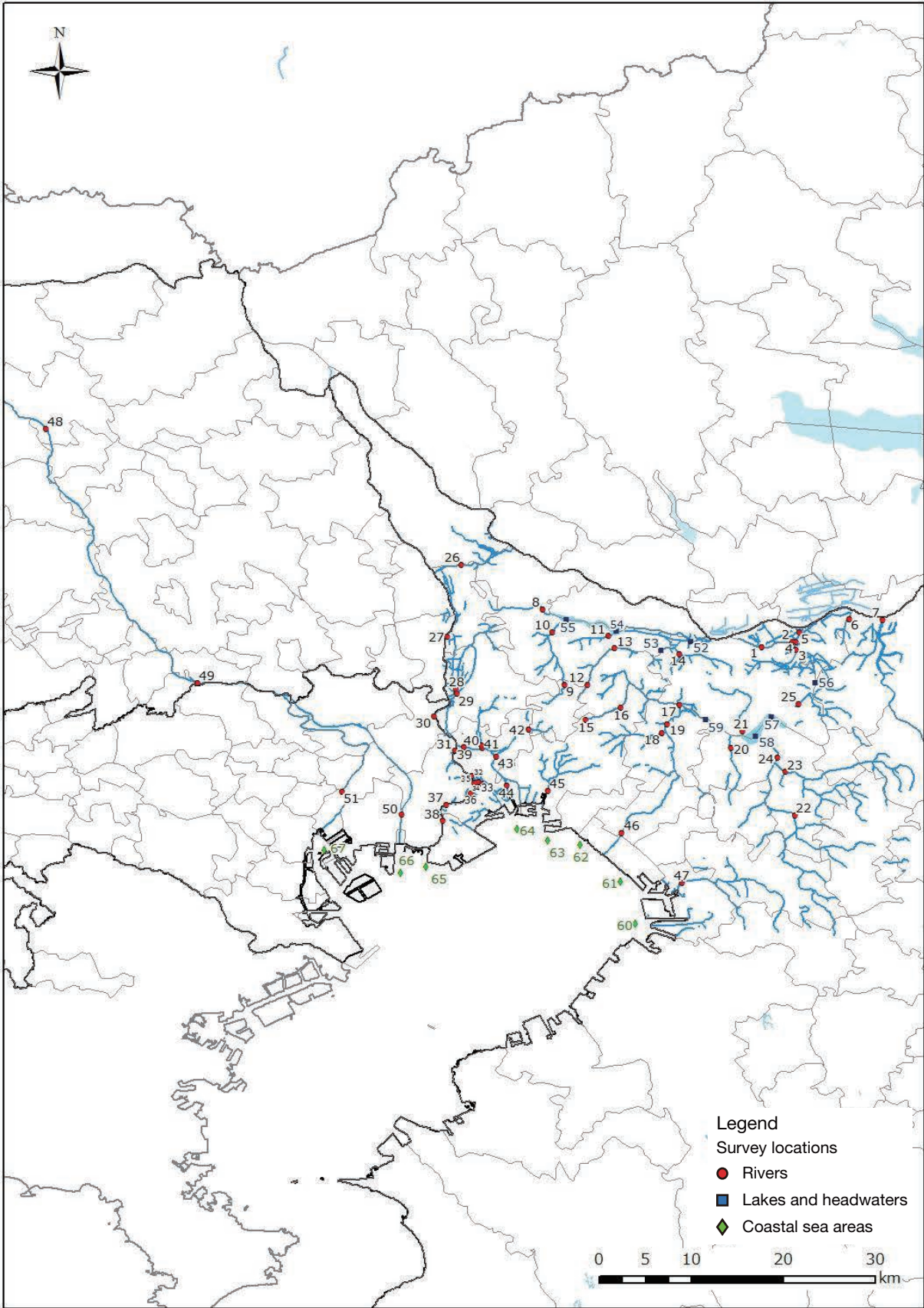
Table 4.7.3.1 Chiba Pref. Coastal Area (Water Quality)

C o a s t a l s e a a r e a s	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks
	No.	Water Body						Surface layer/Bottom layer	General items						Radioactive material concentrations (Bq/L)			
									Water temperature °C	Sampling depth m	Color	Odor	Secchi disk depth m	Salinity ‰	SS mg/L	Turbidity	Radioactive iodine I-131	
64	Approx. 1 km offshore of Edogawa River Estuary	Coastal area of Keiyo Port (Edogawa River Estuary)	Surface layer	2012/06/28	Cloudy	24.0	4.5	23.9	0.5	Dark grayish yellow green	None	1.2	26.3	1.9	2.2	-0.65	-0.75	-0.79
			Bottom layer					20.2	3.5	-	None		29.4	4.7	6.7	-0.52	-0.77	-0.60
			Surface layer	2012/08/01	Cloudy	29.0	3.5	30.2	0.5	Yellowish gray	None	2.0	23.0	5.9	4.7	-0.51	-0.70	-0.55
			Bottom layer					28.1	2.5	-	None		24.2	13	6.5	-0.65	-0.78	-0.71
			Surface layer	2012/09/03	Sunny	28.5	4.6	29.8	0.5	Grayish greenish yellow	None	2.0	24.5	3.6	3.4	-0.44	-0.56	-0.47
			Bottom layer					28.1	3.6	-	None		27.0	5.1	3.7	-0.50	-0.59	-0.59
			Surface layer	2012/10/03	Cloudy	21.5	3.1	22.8	0.5	Greenish dark gray	None	1.8	31.1	6.1	2.0	-0.60	-0.78	-0.56
			Bottom layer					22.8	2.1	-	None		31.1	6.9	2.7	-0.49	-0.58	-0.57
			Surface layer	2012/11/05	Cloudy	14.0	5.3	16.2	0.5	Yellow greenish gray	None	4.6	30.6	4.2	1.5	-0.44	-0.51	-0.50
			Bottom layer					16.5	4.3	-	None		31.0	6.3	1.6	-0.57	-0.75	-0.68
			Surface layer	2012/12/04	Cloudy	9.2	3.4	13.0	0.5	Dark bluish green	None	3.4	32.6	4.1	1.1	-0.62	-0.78	-0.75
			Bottom layer					13.1	2.4	-	None		33.0	3.2	1.3	-0.42	-0.56	-0.57
			Surface layer	2013/02/20	Sunny	6.3	2.6	6.9	0.5	Very dark yellow	None	2.2	31.3	7.4	3.5	-0.54	-0.56	-0.63
			Bottom layer					7.1	1.6	-	None		31.6	7.5	3.1	-0.58	-0.90	-0.76

Table 4.7.3.2 Chiba Pref. Coastal Area (Sediment)

Sampling point		Sampling date	Weather	Air temperature °C	Full depth m	Sediment															Radioactive material concentrations (Bq/kg dried mud)			Remarks
						General items											Mechanical composition %			Radioactive material concentrations (Bq/kg dried mud)				
						Mud temperature °C	Mud sampling depth cm	Color	Odor	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
60	Tokoyan Bay 7	Offshore of Yotogawa River Estuary	2012/06/25	Cloudy	20.0	9.3	19.0	5	Greenish yellowish black	Faint sludge	0.0	0.0	0.0	2.8	42.6	54.6	0.0	48.4	2.538	Mud	<8.3	<8.0	9.4	
			2012/10/03	Rain	19.0	9.3	22.3	5	Yellowish dark gray	Sludge	0.0	0.0	0.0	4.5	28.7	65.3	1.7	51.4	2.393	Silt	<6.5	<9.7	15	
			2012/11/05	Cloudy	14.0	9.6	18.7	2	Yellow greenish black	Sludge	0.0	0.1	0.0	1.2	22.0	69.4	7.3	51.0	2.541	Silt	<4.5	<6.8	8.7	
			2012/12/03	Cloudy	7.7	9.3	16.6	5	Yellowish black	Sludge	0.0	0.5	0.0	1.0	26.4	70.6	1.4	48.0	2.556	Silt	<9.3	<9.9	15	
			2013/02/20	Sunny	12.3	9.3	8.9	15	Dark gray	Sludge	0.0	0.0	0.0	0.4	21.4	74.0	4.2	43.3	2.669	Silt	<6.5	10	11	
61	Tokoyan Bay 5	Offshore of Miyagawa River Estuary	2012/06/25	Cloudy	19.2	8.9	19.2	3	Greenish yellowish dark gray	Faint sludge	0.0	0.0	0.0	2.0	29.1	68.7	0.2	52.9	2.62	Mud	<6.5	<9.6	17	
			2012/10/03	Rain	20.4	8.6	22.1	3	Yellowish black	Sludge	0.0	0.0	0.0	1.5	30.3	68.1	0.1	55.5	2.599	Silt	<6.9	<9.0	15	
			2012/11/05	Cloudy	15.0	8.8	18.4	2	Purplish black	Sludge	0.0	0.0	0.0	10.5	42.9	46.6	0.0	65.3	2.633	Silt	<4.8	12	15	
			2012/12/04	Cloudy	10.1	9.5	16.5	5	Yellowish black	Sludge	0.0	0.0	0.0	1.9	29.1	68.8	0.1	49.9	2.58	Silt	<6.8	18	41	
			2013/02/20	Cloudy	5.7	9.0	8.9	15	Yellowish dark gray	Sludge	0.0	0.0	0.0	1.4	31.8	66.4	0.4	49.3	2.663	Silt	<7.8	12	21	
62	Coastal sea area of Makuhari	Offshore of Inhamama Discharge Channel	2012/06/25	Cloudy	19.0	5.3	19.5	2	Greenish yellowish dark gray	Faint seaweed	0.0	0.0	1.3	9.7	49.9	39.0	0.0	70.7	2.686	Mud/sand	<3.8	<6.4	<4.6	
			2012/08/01	Cloudy	29.0	5.2	26.7	4	Reddish yellowish black	Sludge	0.0	0.0	0.0	4.5	50.8	44.8	0.0	71.8	2.672	Silt	<4.6	15	20	
			2012/09/03	Sunny	28.1	4.7	26.2	5	Reddish yellowish black	Sludge	0.0	0.0	0.0	2.7	62.6	34.8	0.0	74.3	2.666	Silt	<4.5	<6.1	10	
			2012/10/03	Rain	19.9	5.0	22.5	2	Yellowish black	Sludge	0.7	3.7	0.0	3.1	51.7	40.8	0.0	72.2	2.689	Silt	<4.3	<6.0	9.6	
			2012/11/05	Cloudy	15.0	4.9	17.5	2	Purplish black	Sludge	0.0	0.1	0.0	3.2	61.3	35.5	0.0	71.6	2.646	Silt	<4.9	7.4	16	
			2012/12/04	Cloudy	9.4	5.0	15.6	5	Yellowish black	Sludge	0.0	0.0	0.0	3.7	56.1	40.2	0.0	73.1	2.686	Silt	<5.0	12	15	
			2013/02/20	Cloudy	5.4	4.0	7.6	15	Yellowish dark gray	Sludge	0.0	0.0	0.0	0.3	43.0	56.7	0.0	69.8	2.699	Silt	<3.9	11	15	
63	Approx. 1 km offshore of Ebigawa River Estuary	Coastal area of Keiyo Port (Ebigawa River Estuary)	2012/06/25	Cloudy	19.6	6.7	19.4	3	Greenish yellowish black	Faint sludge	0.0	0.0	0.0	1.5	33.4	65.0	0.1	54.6	2.611	Mud	<7.1	53	81	
			2012/08/01	Cloudy	28.0	5.6	26.5	4	Yellowish black	None	0.0	5.7	0.0	2.7	34.1	56.9	0.6	67.0	2.59	Silt	<4.6	<6.0	<5.5	
			2012/09/03	Sunny	28.0	7.2	24.8	5	Yellow greenish black	Sludge	0.0	1.2	0.0	1.2	25.6	71.0	1.0	63.5	2.639	Sand	<5.0	<8.4	7.1	
			2012/10/03	Cloudy	21.1	7.3	22.5	5	Yellowish black	Sludge	0.0	0.0	9.1	5.4	36.0	49.2	0.3	60.0	2.618	Silt	<8.0	21	39	
			2012/11/05	Cloudy	14.5	6.9	16.8	2	Reddish yellowish dark gray	Sludge	0.0	0.0	0.0	17.3	70.5	12.1	0.0	68.7	2.626	Silt	<4.9	<7.5	12	
			2012/12/04	Cloudy	8.0	7.5	13.7	5	Reddish yellowish black	Sludge	0.0	1.1	4.4	19.6	56.6	18.3	0.0	76.5	2.717	Silt	<4.3	<5.2	6.1	
			2013/02/20	Sunny	5.0	6.9	7.6	3	Greenish yellowish dark gray	Sludge	0.0	0.0	0.0	2.4	37.2	59.7	0.7	68.4	2.711	Silt	<3.2	<4.5	3.3	
64	Approx. 1 km offshore of Edogawa River Estuary	Coastal area of Keiyo Port (Edogawa River Estuary)	2012/06/28	Cloudy	24.0	4.5	20.1	5	Reddish yellowish black	Faint sludge	0.0	0.0	0.0	11.1	75.0	13.9	0.0	68.9	2.632	Mud	<4.7	13	24	
			2012/08/01	Cloudy	29.0	3.5	20.8	2	Reddish yellowish black	Sludge	0.0	0.0	0.0	19.0	71.1	9.8	0.0	72.0	2.638	Silt	<4.8	<7.4	14	
			2012/09/03	Sunny	28.5	4.6	26.2	5	Yellowish black	Sludge	0.0	0.2	0.0	19.9	70.7	9.2	0.0	68.2	2.69	Sand	<6.5	12	19	
			2012/10/03	Cloudy	21.5	3.1	22.5	3	Yellowish dark gray	Sludge	0.7	0.5	0.0	17.5	73.5	7.8	0.0	71.2	2.635	Silt	<4.9	<8.0	13	
			2012/11/05	Cloudy	14.0	5.3	16.8	2	Yellowish dark gray	Sludge	1.4	4.4	0.0	3.8	33.0	57.0	0.4	70.6	2.697	Sand	<4.2	<5.7	<5.6	
			2012/12/04	Cloudy	9.2	3.4	12.8	5	Yellowish black	Sludge	0.0	0.0	0.0	20.5	76.0	3.5	0.0	79.6	2.683	Sand	<5.3	<7.2	9.4	
			2013/02/20	Sunny	6.3	2.6	7.2	3	Reddish yellowish dark gray	None	0.0	0.0	3.8	17.9	70.0	8.3	0.0	69.9	2.648	Sand/silt	<4.5	<5.9	7.8	

C o a s t a l A r e a s



Survey Locations (Chiba, Saitama and Tokyo Prefectures)