

## FY2015 Saitama Prefecture Survey Results

[Survey Results]

(1) Water

Rivers

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

(2) Sediments

Rivers

Cs-134: ND - 51 Bq/kg (dry)

Cs-137: 4.0 - 240 Bq/kg (dry)

(3) Surrounding Environment

(a) Soil

Rivers

Cs-134: ND - 70 Bq/kg (dry)

Cs-137: 29 - 290 Bq/kg (dry)

(b) Ambient dose rate

Rivers

0.04 - 0.07  $\mu$ Sv/h

# Saitama Rivers (Water) 1/1

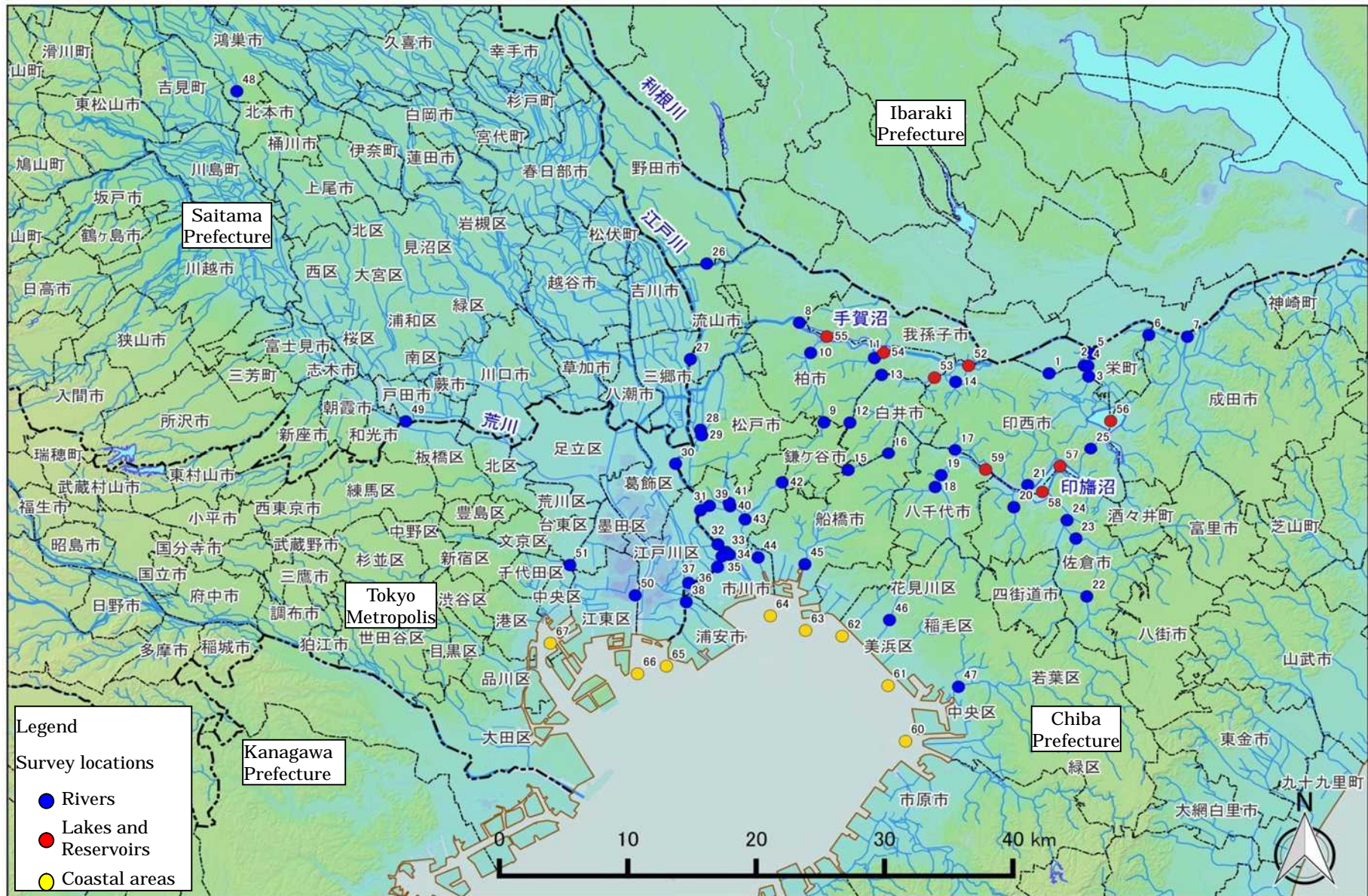
	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water										Remarks
	No.	Water area	Location	Municipality					General items							Activity concentration(Bq/L)			
									Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium		
																	Cs-134	Cs-137	
Rivers	48	Arakawa River System	Arakawa River Middle Reaches	Onari Bridge	Konosu City	2015/5/26	Sunny	31.1	1.8	20.0	0.0	Light grayish reddish yellow	None	89	13.8	7	2.0	<0.96	<0.66
						2015/8/19	Sunny	31.8	2.1	26.8	0.0	Light grayish yellow	None	39	18.2	22	8.8	<0.52	<0.75
						2015/11/18	Cloudy	17.3	2.1	16.0	0.0	Light grayish greenish yellow	Faint sewage	82	25.3	9	3.1	<0.91	<0.88
						2016/1/25	Sunny	4.7	2.2	4.3	0.0	Light grayish greenish yellow	None	>100	27.6	4	2.2	<0.72	<0.84
	49	Arakawa River System	Arakawa River Lower Reaches	Sasame Bridge	Toda City /Wako City /Itabashi City	2015/5/26	Sunny	26.3	0.5	26.0	0.0	Grayish yellow	Faint sewage	67	53.7	3	2.5	<0.97	<0.75
						2015/8/19	Sunny	30.3	0.5	25.9	0.0	Grayish greenish yellow	Faint sewage	32	18.3	15	13	<0.75	<0.84
						2015/11/18	Cloudy	18.5	0.5	21.2	0.0	Grayish greenish yellow	Faint sewage	65	53.5	5	2.3	<0.61	<0.80
						2016/1/25	Sunny	3.2	0.5	8.4	0.0	Light grayish yellow	Faint sewage	21	43.6	29	14	<0.63	<0.69

# Saitama Rivers (Sediment) 1/1

R i v e r s	Location				Sampling Date	Weather	Air temperature (C)	Water depth (m)	Sediment																	Remarks				
	No.	Water area		Location					Municipality	Sediment temperature (C)	Sample length (cm)	Color	Odor	General items										Sediment content (%)	Density (g/cm <sup>3</sup> )		Property	Activity concentration [Bq/kg(dry)]		
		Coarse gravel	Medium gravel											Fine gravel	Grain size distribution(%)		Fine sand	Silt	Clay	Cs-134	Cs-137	Total								
															Coarse sand	Medium sand							Radioactive cesium							
48	Arakawa River System	Arakawa River Middle Reaches	Onari Bridge	Kosono City	2015/5/26	Sunny	31.1	1.8	20.8	4	Black	None	0.0	35.5	23.3	13.3	23.6	3.0	0.1	1.2	84.0	2.727	Sand/gravel	1.0	5.0	6.0				
					2015/8/19	Sunny	31.8	2.1	26.4	7	Black	Faint sewage	0.0	0.2	0.0	0.2	76.0	22.6	0.2	0.8	76.6	2.692	Sand	1.9	8.1	10				
					2015/11/18	Cloudy	17.3	2.1	16.0	5	Blackish brown	Faint sewage	0.0	18.8	34.8	29.4	13.8	2.8	0.1	0.3	83.1	2.659	Sand	<3.6	5.8	5.8				
					2016/1/25	Sunny	4.7	2.2	3.0	3	Black	Faint sewage	0.0	43.0	26.6	8.2	17.4	2.9	0.6	1.4	80.6	2.754	Sand/gravel	<3.3	4.0	4.0				
					2015/5/26	Sunny	26.3	0.5	23.8	2	Blackish brown	Faint sewage	0.0	19.8	3.5	2.7	21.5	27.8	16.9	8.0	50.5	2.691	Sand/gravel	15	48	63				
		Arakawa River Lower Reaches	Susame Bridge	Toda City /Wako City /Habuishi City	2015/8/19	Sunny	30.3	0.5	25.9	3	Blackish brown	Faint sewage	0.0	0.3	0.9	2.0	16.6	60.5	12.7	7.7	64.8	2.659	Sand/silt	13	47	60				
					2015/11/18	Cloudy	18.5	0.5	19.6	3	Dark olive brown	Faint sewage	0.0	12.5	4.8	3.3	24.1	27.8	22.5	5.4	54.3	2.658	Silt/sand	51	240	291				
					2016/1/25	Sunny	3.2	0.5	7.8	3	Blackish brown	Faint sewage	4.3	16.9	3.3	2.8	23.4	30.4	8.9	10.4	58.7	2.717	Sand/gravel	<7.4	31	31				

# Saitama Rivers (Surrounding Environment) 1/1

Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)													Remarks	
							Left bank						Right bank								
No.	Water area	Location	Municipality	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					
Rivers	48	Arakawa River Middle Reaches	Onari Bridge	Konosu City	2015/5/26	Sunny	31.1	Grayish yellow	Faint earth	Loamy	16	62	78	0.06	Grayish yellow	Faint earth	Loamy	15	39	54	0.06
					2015/8/19	Sunny	31.8	Blackish brown	Faint earth	Loamy	8.8	49	57.8	0.06	Blackish brown	Faint earth	Loamy	<8.8	29	29	0.06
					2015/11/18	Cloudy	17.3	Blackish brown	Faint earth	Loamy	6.8	35	42	0.06	Blackish brown	Faint earth	Loamy	9.2	43	52	0.06
					2016/1/25	Sunny	4.7	Blackish brown	Faint earth	Loamy	17	72	89	0.07	Blackish brown	Faint earth	Loamy	7.0	29	36	0.07
	49	Arakawa River Lower Reaches	Sasame Bridge	Toda City /Wako City /Itabashi City	2015/5/26	Sunny	26.3	Dark olive brown	Faint earth	Loamy	58	170	228	0.05	Blackish brown	Faint earth	Loamy	39	180	219	0.06
					2015/8/19	Sunny	30.3	Blackish brown	Faint earth	Loamy	48	230	278	0.04	Blackish brown	Faint earth	Loamy	33	140	173	0.06
					2015/11/18	Cloudy	18.5	Blackish brown	Faint earth	Loamy	70	290	360	0.05	Blackish brown	Faint earth	Loamy	34	180	214	0.06
					2016/1/25	Sunny	3.2	Blackish brown	Faint earth	Loamy	32	170	202	0.05	Blackish brown	Faint earth	Loamy	20	73	93	0.06



Survey Locations(Chiba,Saitama,Tokyo Prefectures)