

FY2013 Gunma Prefecture Survey Results

[Survey Results]

(1) Water

Rivers

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

Lakes and reservoirs

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

(2) Sediments

Rivers

Cs-134: ND - 460 Bq/kg (dry)

Cs-137: 1.7 - 1,100 Bq/kg (dry)

Lakes and reservoirs

Cs-134: 5.7 - 1,300 Bq/kg (dry)

Cs-137: 21 - 3,000 Bq/kg (dry)

(3) Surrounding Environment

(a) Soil

Rivers

Cs-134: ND - 4,800 Bq/kg (dry)

Cs-137: 10 - 9,700 Bq/kg (dry)

Lakes and reservoirs

Cs-134: 14 - 2,600 Bq/kg (dry)

Cs-137: 23 - 5,700 Bq/kg (dry)

(b) Ambient dose rate

Rivers

0.03 - 0.34 μ Sv/h

Lakes and reservoirs

0.05 - 0.28 μ Sv/h

Gunma River (Water) 1/5

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water							Activity concentration(Bq/L)		Remarks			
	Water area	Location	Municipality					Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium				
																Cs-134		Cs-137		
R i v e r s	Tonegawa River System	Tonegawa River	Hirose Bridge	Minakami Town	2013/6/28	Cloudy	22.1	0.7	15.9	0.0	Dark grayish yellowish green	None	>100	3.9	<1	1.1	<-0.76	<-0.89		
					2013/8/28	Sunny	26.4	0.6	17.9	0.0	Grayish yellow	None	41	4.4	3	5.6	<-0.58	<-0.58		
					2013/11/15	Cloudy	6.0	1.4	8.0	0.0	Greenish light gray	None	62	4.4	<1	1.8	<-0.68	<-0.58		
					2014/1/8	Sunny	-8.1	1.9	3.7	0.0	Greenish gray	None	>100	3.8	3	2.3	<-0.61	<-0.62		
					2013/6/5	Sunny	23.8	0.4	10.3	0.0	Light grayish blue	None	>100	2.9	2	3.5	<-0.79	<-0.70		
					2013/6/25	Sunny	20.5	0.4	10.4	0.0	Dark grayish reddish yellow	None	>100	3.4	2	2.4	<-0.58	<-0.58		
			2	Tsukiyono Bridge	Minakami Town	2013/7/18	Sunny	22.0	0.3	12.5	0.0	Grayish yellowish green	None	>100	3.1	2	1.7	<-0.54	<-0.70	
						2013/8/28	Sunny	18.2	0.5	15.8	0.0	Grayish green	None	>100	5.5	7	7.8	<-0.63	<-0.70	
						2013/9/29	Sunny	22.6	0.5	18.0	0.0	Grayish yellow green	None	39	7.0	6	8.0	<-0.55	<-0.61	
						2013/11/6	Sunny	7.9	0.6	10.3	0.0	Light grayish yellow	None	86	5.9	3	2.9	<-0.59	<-0.51	
						2014/1/8	Sunny	1.2	0.5	3.5	0.0	Grayish bluish green	None	>100	4.7	1	1.3	<-0.69	<-0.42	
						2013/6/5	Sunny	21.8	0.4	13.9	0.0	Dark grayish yellow red	None	>100	7.4	1	1.1	<-0.58	<-0.58	
		3	Akaya River	Kosode Bridge	2013/8/28	Sunny	23.2	0.5	18.8	0.0	Dark grayish yellowish green	None	72	9.0	4	3.8	<-0.61	<-0.62		
					2013/11/6	Sunny	6.7	0.6	10.6	0.0	Light grayish blue green	None	>100	7.8	2	1.3	<-0.71	<-0.73		
					2014/1/8	Sunny	2.6	0.3	2.2	0.0	Grayish bluish green	None	>100	14.9	<1	0.2	<-0.52	<-0.60		
		4	Sakura River	In Ooaza Yachi	Kawaba Village	2013/6/5	Sunny	22.4	0.3	14.6	0.0	Grayish yellow red	None	>100	5.4	<1	0.5	<-0.59	<-0.55	
						2013/6/24	Sunny	23.3	0.3	15.8	0.0	Dark grayish yellow red	None	>100	6.1	1	1.2	<-0.60	<-0.65	
						2013/8/28	Sunny	24.0	0.1	17.0	0.0	Grayish bluish green	None	>100	5.8	2	0.8	<-0.59	<-0.62	
						2013/8/16	Sunny	26.3	0.2	18.9	0.0	Grayish blue green	None	>100	6.6	1	0.5	<-0.71	<-0.70	
						2013/9/25	Cloudy	17.0	0.3	14.8	0.0	Light grayish blue green	None	>100	6.0	<1	0.3	<-0.47	<-0.52	
						2013/11/5	Sunny	16.2	0.3	11.4	0.0	Light grayish blue	None	>100	6.3	<1	0.2	<-0.58	<-0.63	
						2014/1/7	Sunny	-4.1	0.4	3.4	0.0	Greenish pale gray	None	>100	7.7	<1	0.1	<-0.74	<-0.74	
						2013/6/24	Sunny	23.1	0.3	16.4	0.0	Dark grayish reddish yellow	None	>100	5.0	<1	0.2	<-0.54	<-0.68	
		5	Kirinoki Bridge	Katashina Village	2013/8/13	Cloudy	24.8	0.2	17.8	0.0	Grayish yellow red	None	>100	5.2	<1	0.4	<-0.62	<-0.63		
					2013/11/5	Sunny	10.2	0.6	7.1	0.0	Bluish faint gray	None	>100	5.4	<1	0.2	<-0.62	<-0.58		
					2014/1/7	Sunny	-7.2	0.6	-0.2	0.0	Grayish blue green	None	>100	6.4	<1	0.1	<-0.54	<-0.41		
					2013/6/5	Sunny	25.1	0.7	18.8	0.0	Grayish green	None	>100	8.4	<1	0.9	<-0.70	<-0.74		
					2013/6/25	Sunny	22.0	0.6	16.4	0.0	Dark grayish reddish yellow	None	>100	7.0	2	1.2	<-0.54	<-0.65		
					2013/7/18	Sunny	26.0	0.3	20.0	0.0	Bluish dark gray	None	>100	8.3	1	1.0	<-0.72	<-0.59		
					2013/8/16	Sunny	23.6	0.3	18.3	0.0	Grayish reddish yellow	None	64	9.0	11	10	<-0.66	<-0.52		
					2013/9/25	Cloudy	17.2	0.8	14.2	0.0	Light grayish bluish green	None	>100	8.4	<1	0.7	<-0.67	<-0.70		
					2013/11/5	Sunny	15.8	0.5	9.9	0.0	Dark grayish green	None	>100	8.4	<1	0.4	<-0.58	<-0.45		
					2014/1/7	Sunny	-2.4	0.5	0.6	0.0	Grayish blue green	None	>100	9.2	<1	0.2	<-0.70	<-0.62		
					2013/6/5	Sunny	20.2	0.4	15.1	0.0	Grayish green	None	>100	8.6	2	1.5	<-0.62	<-0.52		
					6	Tonemachitakatoya	Numata City	2013/6/25	Sunny	21.5	0.5	18.1	0.0	Yellow reddish dark gray	None	31	10.8	16	6.8	<-0.47
		2013/7/18	Sunny	23.5				0.6	18.8	0.0	Grayish bluish green	None	69	12.2	3	2.4	<-0.54	<-0.51		
		2013/8/16	Sunny	29.8				0.5	22.7	0.0	Yellowish gray	None	68	10.8	7	6.5	<-0.73	<-0.59		
		2013/9/25	Cloudy	25.1				0.7	16.7	0.0	Light grayish green	None	87	9.5	4	2.9	<-0.51	<-0.62		
		2013/11/5	Sunny	17.1				0.5	12.9	0.0	Yellow greenish pale gray	None	>100	10.4	1	1.3	<-0.50	<-0.58		
		2014/1/7	Sunny	3.1				0.6	4.7	0.0	Greenish pale gray	None	>100	13.7	<1	0.4	<-0.54	<-0.52		
		7	Futae Bridge	Naganohara Town	2013/6/12	Cloudy	19.4	0.5	14.1	0.0	Light yellowish green	None	67	36.9	19	8.7	<-0.56	<-0.48		
					2013/8/20	Cloudy	28.1	0.3	18.0	0.0	Light grayish greenish yellow	None	51	23.4	20	8.6	<-0.46	<-0.59		
2013/11/8	Sunny				7.4	0.5	8.3	0.0	Grayish yellow	None	43	24.3	14	8.7	<-0.71	<-0.56				
2014/1/9	Sunny				-0.6	0.5	4.0	0.0	Yellowish light gray	None	56	24.5	25	8.5	<-0.56	<-0.65				
8	Agatsuma River	Shinto Bridge	2013/6/12	Cloudy	20.3	0.5	16.8	0.0	Dull blue green	None	>100	52.8	2	1.8	<-0.72	<-0.68				
			2013/8/20	Cloudy	25.1	0.6	21.4	0.0	Grayish green	None	>100	15.4	<1	0.5	<-0.63	<-0.58				
			2013/11/8	Sunny	8.9	0.4	9.8	0.0	Light grayish greenish blue	None	>100	13.8	<1	0.2	<-0.69	<-0.66				
			2014/1/9	Sunny	2.8	0.6	4.0	0.0	Light grayish blue green	None	>100	15.8	<1	0.1	<-0.58	<-0.55				
9	Shirasuna River	Shuttatsu Bridge	Nakanojo Town	2013/6/12	Cloudy	20.3	0.5	16.8	0.0	Dull blue green	None	>100	52.8	2	1.8	<-0.72	<-0.68			
				2013/8/20	Cloudy	25.1	0.6	21.4	0.0	Grayish green	None	>100	15.4	<1	0.5	<-0.63	<-0.58			
				2013/11/8	Sunny	8.9	0.4	9.8	0.0	Light grayish greenish blue	None	>100	13.8	<1	0.2	<-0.69	<-0.66			
				2014/1/9	Sunny	2.8	0.6	4.0	0.0	Light grayish blue green	None	>100	15.8	<1	0.1	<-0.58	<-0.55			

Gunma River (Water) 2/5

Location					Water											Remarks			
No.	Water area		Location	Municipality	Sampling Date	Weather	Air temperature (°C)	Water depth (m)	General items					Activity concentration(Bq/L)					
									Water temperature (°C)	Flow rate (m³/s)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)		Turbidity (FNU)	Radioactive cesium	
														Cs-134	Cs-137				
R i v e r s	10	Agatsuma River	Downstream of Azuma Bridge	Higashi-Agatsuma Town	2013/5/28	Cloudy	17.9	0.5	17.7	0.0	Reddish yellowish dark gray	None	>100	26.5	2	1.0	<-0.78	<-0.58	
					2013/6/11	Cloudy	17.8	0.3	19.1	0.0	Dark grayish yellow red	None	>100	26.7	1	1.6	<-0.58	<-0.58	
					2013/7/19	Sunny	19.0	0.3	21.0	0.0	Grayish bluish green	None	>100	31.1	<1	1.0	<-0.62	<-0.58	
					2013/8/20	Sunny	25.2	0.4	24.3	0.0	Light grayish blue	None	>100	30.2	3	2.1	<-0.73	<-0.82	
					2013/9/26	Sunny	21.6	0.5	17.7	0.0	Light grayish green	None	88	26.5	5	3.6	<-0.67	<-0.65	
					2013/11/8	Sunny	18.1	0.5	11.9	0.0	Light grayish blue green	None	>100	25.2	3	1.7	<-0.61	<-0.62	
		11	Nakuta River	Tonoda Bridge	Takayama Village	2014/1/9	Sunny	7.6	0.4	5.1	0.0	Yellowish light gray	None	44	24.1	18	8.6	<-0.61	<-0.65
						2013/6/25	Sunny	25.4	0.5	20.6	0.0	Grayish reddish yellow	None	68	10.8	15	6.8	<-0.67	<-0.78
						2013/8/20	Cloudy	30.8	0.4	24.1	0.0	Yellowish pale gray	None	>100	14.5	2	2.8	<-0.61	<-0.62
						2013/11/7	Sunny	20.1	0.5	11.9	0.0	Light grayish yellow green	None	>100	11.0	<1	0.6	<-0.82	<-0.76
	2014/1/9					Sunny	6.9	0.6	4.7	0.0	Grayish blue	None	>100	15.3	1	0.6	<-0.72	<-0.66	
	2013/5/28					Cloudy	21.0	0.9	19.2	0.0	Dark grayish yellow green	None	>100	23.5	4	2.2	<-0.69	<-0.73	
	12	Agatsuma River	Agatsuma Bridge	Shibukawa City	2013/6/11	Cloudy	20.6	0.5	22.4	0.0	Dull bluish green	None	>100	21.2	2	2.5	<-0.69	<-0.64	
					2013/7/19	Sunny	26.2	0.3	23.7	0.0	Grayish bluish green	None	85	20.6	2	1.1	<-0.73	<-0.82	
					2013/8/28	Sunny	29.2	0.7	22.1	0.0	Dark grayish yellowish green	None	>100	13.7	4	5.0	<-0.60	<-0.55	
					2013/9/29	Sunny	28.1	0.6	15.4	0.0	Grayish blue green	None	56	21.3	<1	6.9	<-0.57	<-0.61	
					2013/11/6	Sunny	16.2	0.4	14.0	0.0	Light grayish blue	None	34	19.6	10	5.1	<-0.56	<-0.59	
					2014/1/8	Sunny	4.4	0.4	4.4	0.0	Grayish yellow red	None	35	31.3	21	1.3	<-0.61	<-0.56	
	13	Tonegawa River	Taisho Bridge	Shibukawa City	2013/5/28	Cloudy	23.4	1.0	11.2	0.0	Grayish yellowish green	None	>100	4.9	4	1.9	<-0.69	<-0.69	
					2013/6/11	Cloudy	21.1	0.8	12.3	0.0	Dull bluish green	None	>100	4.4	2	3.4	<-0.74	<-0.68	
					2013/7/19	Sunny	27.0	0.7	17.5	0.0	Yellowish reddish light gray	None	>100	6.3	1	1.6	<-0.54	<-0.51	
					2013/8/28	Sunny	30.6	0.7	21.0	0.0	Grayish yellow	None	39	9.4	11	4.3	<-0.79	<-0.74	
					2013/9/29	Sunny	28.0	0.6	18.7	0.0	Grayish green	None	62	17.2	11	4.3	<-0.61	<-0.59	
					2013/11/5	Sunny	18.1	0.7	13.7	0.0	Greenish yellowish pale gray	None	82	10.2	4	2.0	<-0.39	<-0.65	
	14	Takizawa River	Shintakizawa Bridge	Shibukawa City/ Yoshioka Town	2014/1/8	Cloudy	10.1	0.5	5.8	0.0	Greenish yellowish light gray	None	58	22.8	12	6.2	<-0.58	<-0.65	
					2013/6/6	Sunny	23.4	0.2	19.6	0.0	Grayish yellow red	None	67	19.4	10	2.6	<-0.56	<-0.45	
					2013/8/27	Sunny	31.9	0.3	25.0	0.0	Light grayish green	None	>100	16.2	8	1.6	<-0.59	<-0.59	
					2013/11/6	Sunny	18.6	0.3	17.4	0.0	Light grayish yellow	None	>100	22.1	2	1.1	<-0.71	<-0.59	
					2014/1/8	Cloudy	11.0	0.4	9.6	0.0	Bluish greenish faint gray	None	>100	24.7	2	0.8	<-0.47	<-0.52	
					2013/6/6	Sunny	21.6	0.9	11.6	0.0	Dark grayish green	None	90	7.5	5	1.7	<-0.70	<-0.65	
	15	Tonegawa River	Gunma-ohashi Bridge	Maebashi City	2013/8/22	Cloudy	26.4	0.3	19.0	0.0	Yellowish light gray	None	42	11.4	16	8.3	<-0.63	<-0.65	
					2013/11/11	Sunny	14.2	0.4	12.1	0.0	Light grayish bluish green	None	61	15.0	5	3.2	<-0.51	<-0.62	
					2014/1/14	Sunny	5.4	0.3	3.2	0.0	Yellow reddish faint gray	None	>100	20.9	14	4.9	<-0.61	<-0.47	
					2013/6/4	Sunny	29.4	0.4	15.5	0.0	Dark grayish green	None	>100	7.8	4	3.2	<-0.52	<-0.55	
					2013/8/21	Cloudy	26.9	0.5	19.6	0.0	Grayish yellow green	None	51	12.0	9	3.7	<-0.46	<-0.53	
					2013/11/7	Light rain	10.0	0.5	12.7	0.0	Grayish green	None	>100	115.0	3	2.2	<-0.62	<-0.61	
	16	Tonegawa River	Fukushima Bridge	Tamamura Town	2014/1/10	Sunny	1.9	0.5	5.8	0.0	Light grayish green	None	>100	17.7	5	2.2	<-0.78	<-0.76	
					2013/6/7	Cloudy	23.8	0.2	20.0	0.0	Dark grayish yellow red	None	>100	11.4	2	1.4	<-0.70	<-0.65	
					2013/8/22	Sunny	31.9	0.2	24.3	0.0	Light grayish yellow green	None	>100	11.8	22	3.0	<-0.59	<-0.62	
					2013/11/11	Sunny	5.5	0.2	8.4	0.0	Light grayish blue green	None	>100	12.9	2	0.9	<-0.55	<-0.71	
					2014/1/14	Sunny	-1.2	0.3	1.3	0.0	Bluish light gray	None	>100	13.9	4	1.0	<-0.56	<-0.65	
					2013/6/7	Sunny	24.2	0.5	17.8	0.0	Grayish yellow green	None	>100	14.6	1	0.9	<-0.58	<-0.55	
17	Nagai River	Kamigonda Bridge	Takasaki City	2013/8/22	Sunny	32.1	0.4	23.7	0.0	Light grayish yellow green	None	>100	13.3	3	1.9	<-0.48	<-0.52		
				2013/11/11	Sunny	6.9	0.6	9.5	0.0	Light grayish blue green	None	>100	11.8	1	0.5	<-0.55	<-0.74		
				2014/1/14	Sunny	-1.4	0.3	0.6	0.0	Bluish purpleish faint gray	None	>100	12.2	2	0.4	<-0.51	<-0.65		
				2013/6/4	Sunny	26.4	0.3	23.7	0.0	Dark grayish yellow red	None	>100	19.0	2	1.9	<-0.63	<-0.70		
18	Karasu River	Karasugawa Bridge	Annaka City	2013/8/22	Cloudy	31.4	0.4	27.7	0.0	Light grayish green	None	>100	19.3	7	2.7	<-0.67	<-0.70		
				2013/11/12	Sunny	7.9	0.3	9.2	0.0	Light grayish blue green	None	>100	17.7	<1	0.5	<-0.58	<-0.71		
				2014/1/15	Cloudy	6.9	0.2	1.2	0.0	Yellowish reddish gray	None	>100	21.8	4	3.3	<-0.61	<-0.42		
				2013/6/4	Sunny	26.4	0.3	23.7	0.0	Dark grayish yellow red	None	>100	19.0	2	1.9	<-0.63	<-0.70		
19	Usui River	Nakase Bridge	Annaka City	2013/8/22	Cloudy	31.4	0.4	27.7	0.0	Light grayish green	None	>100	19.3	7	2.7	<-0.67	<-0.70		
				2013/11/12	Sunny	7.9	0.3	9.2	0.0	Light grayish blue green	None	>100	17.7	<1	0.5	<-0.58	<-0.71		

Gunma River (Water) 3/5

No.	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water							Activity concentration(Bq/L)		Remarks
	Water area	Location	Municipality	General items							Radioactive cesium							
				Water temperature (°C)					Water depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Cs-134	Cs-137	
R i v e r s	Tonegawa River System	Usui River	Hanataka Bridge	Takasaki City	2013/6/6	Sunny	24.8	2.9	22.2	0.0	Dark grayish green	None	79	68.2	4	1.4	<-0.56	<-0.51
					2013/8/22	Sunny	29.6	0.4	26.0	0.0	Grayish yellow red	None	40	53.7	7	3.5	<-0.48	<-0.42
					2013/11/11	Cloudy	16.2	0.7	14.1	0.0	Grayish yellow	None	54	30.6	3	1.5	<-0.64	<-0.78
		Kabura River	Tadakawa Bridge	Shimonita Town	2014/1/14	Sunny	8.3	0.4	4.3	0.0	Yellowish reddish light gray	None	>100	52.5	3	1.3	<-0.54	<-0.51
					2013/5/30	Cloudy	19.5	0.5	19.0	0.0	Dark grayish yellow green	None	>100	37.1	<1	0.8	<-0.73	<-0.65
					2013/8/23	Cloudy	27.3	0.3	26.3	0.0	Light grayish green	None	>100	29.8	4	1.3	<-0.48	<-0.62
					2013/11/12	Sunny	4.4	0.4	7.2	0.0	Grayish blue green	None	>100	22.6	4	1.4	<-0.61	<-0.42
					2014/1/15	Cloudy	2.2	0.7	0.6	0.0	Yellowish reddish light gray	None	>100	35.4	<1	0.7	<-0.58	<-0.74
					2013/5/29	Cloudy	19.7	0.3	21.0	0.0	Grayish yellow	None	48	38.5	5	4.4	<-0.42	<-0.68
		Kaburagawa Bridge	Takasaki City/Fujioka City	2013/8/21	Cloudy	30.1	0.6	29.2	0.0	Grayish yellow	None	44	32.1	16	4.2	<-0.74	<-0.72	
				2013/11/12	Sunny	13.9	0.4	11.5	0.0	Greenish yellowish pale gray	None	>100	29.9	3	0.8	<-0.66	<-0.50	
				2014/1/15	Sunny	9.1	0.2	3.3	0.0	Yellowish reddish gray	None	>100	38.5	1	1.0	<-0.64	<-0.74	
				2013/5/30	Cloudy	18.4	0.2	16.8	0.0	Dark grayish reddish yellow	None	>100	22.2	<1	0.8	<-0.61	<-0.59	
		Ogawa River	Kinzan Bridge	Kanra Town	2013/8/23	Cloudy	27.6	0.2	21.3	0.0	Light grayish green	None	>100	20.7	<1	0.7	<-0.60	<-0.52
					2013/11/12	Sunny	10.2	0.3	12.0	0.0	Light grayish bluish green	None	>100	17.2	<1	0.3	<-0.61	<-0.71
					2014/1/15	Cloudy	8.8	0.1	5.6	0.0	Yellowish pale gray	None	>100	19.7	<1	0.3	<-0.61	<-0.56
					2013/5/30	Cloudy	20.5	0.2	17.8	0.0	Dark grayish yellow red	None	>100	24.9	<1	0.3	<-0.52	<-0.65
		Nanmoku River	Ozawa Bridge	Nanmoku Village	2013/8/15	Sunny	33.0	0.2	29.0	0.0	Yellow greenish gray	None	>100	21.2	<1	0.4	<-0.52	<-0.66
					2013/11/12	Sunny	4.2	0.3	7.2	0.0	Grayish bluish green	None	>100	18.2	<1	0.6	<-0.76	<-0.56
					2014/1/15	Cloudy	-1.2	0.1	0.1	0.0	Yellow reddish faint gray	None	>100	29.0	<1	<0.1	<-0.66	<-0.56
					2013/6/6	Sunny	24.0	0.2	19.1	0.0	Dark grayish yellow red	None	82	25.3	6	1.7	<-0.60	<-0.45
		Someya River	Yakushi Bridge	Shinto Village	2013/8/20	Cloudy	29.3	0.2	24.9	0.0	Yellow reddish faint gray	None	>100	20.5	3	1.4	<-0.65	<-0.55
					2013/11/11	Sunny	11.8	0.3	12.0	0.0	Light grayish blue	None	>100	26.7	4	2.0	<-0.64	<-0.62
					2014/1/14	Sunny	3.2	0.1	2.6	0.0	Bluish light gray	None	>100	30.0	5	3.6	<-0.61	<-0.59
					2013/6/4	Sunny	28.6	0.2	22.6	0.0	Dark grayish yellow red	None	>100	23.3	1	4.5	<-0.56	<-0.65
		Inogawa River	Kamakura Bridge	Takasaki City	2013/8/21	Cloudy	25.9	0.2	24.8	0.0	Light grayish yellowish green	None	55	20.6	12	4.0	<-0.50	<-0.54
					2013/11/7	Cloudy	14.9	0.5	16.0	0.0	Light grayish green	None	>100	113.0	2	1.1	<-0.60	<-0.60
					2014/1/10	Sunny	4.9	0.3	8.4	0.0	Greenish yellowish pale gray	None	>100	42.8	6	1.8	<-0.56	<-0.72
					2013/5/29	Cloudy	20.0	0.3	21.4	0.0	Dark grayish yellow red	None	33	37.3	13	6.4	<-0.58	<-0.66
		Karasu River	Iwakura Bridge	Takasaki City/Tamamura Town	2013/8/26	Sunny	31.9	0.3	25.8	0.0	Grayish reddish yellow	None	41	37.1	9	2.6	<-0.71	<-0.74
					2013/11/14	Sunny	10.1	0.6	16.6	0.0	Yellow-greenish light gray	None	>100	35.7	3	0.4	<-0.52	<-0.60
					2014/1/16	Sunny	8.7	0.4	12.4	0.0	Yellow reddish faint gray	None	>100	37.0	2	0.5	<-0.65	<-0.55
					2013/5/31	Sunny	24.9	0.4	19.8	0.0	Dark grayish yellow red	None	>100	18.4	<1	0.2	<-0.79	<-0.59
		Kanna River	Shinkaname Bridge	Ueno Village	2013/11/13	Sunny	4.7	0.2	8.1	0.0	Grayish bluish green	None	>100	14.1	<1	0.3	<-0.65	<-0.62
					2013/5/31	Sunny	24.0	0.3	23.3	0.0	Grayish yellow green	None	>100	19.6	<1	0.3	<-0.67	<-0.51
					2013/11/13	Sunny	4.2	0.5	7.5	0.0	Grayish bluish green	None	>100	15.2	<1	0.2	<-0.65	<-0.55
					2013/5/30	Cloudy	20.4	0.3	19.7	0.0	Dark grayish yellow red	None	>100	23.1	2	1.3	<-0.60	<-0.60
		Tobukyo Bridge	Fujioka City/Kamisato Town	Kamisato Town	2013/11/13	Sunny	10.0	0.3	12.4	0.0	Grayish yellowish green	None	>100	26.2	<1	0.6	<-0.44	<-0.51
					2013/6/7	Cloudy	22.6	0.3	19.5	0.0	Grayish yellow red	None	44	22.4	20	5.5	<-0.51	<-0.59
					2013/11/13	Sunny	12.6	0.2	13.8	0.0	Bluish faint gray	None	>100	25.7	<1	0.5	<-0.39	<-0.47
2013/5/23	Sunny				25.3	0.2	18.2	0.0	Dark grayish reddish yellow	None	78	11.9	4	1.8	<-0.54	<-0.68		
Bando-ohashi Bridge	Honjo City	Honjo City	2013/8/26	Sunny	31.6	0.4	25.3	0.0	Grayish reddish yellow	None	40	2.2	7	5.4	<-0.59	<-0.65		
			2013/11/14	Sunny	14.6	0.4	12.1	0.0	Grayish blue	None	92	26.5	2	0.9	<-0.44	<-0.52		
			2014/1/16	Sunny	8.9	0.3	6.8	0.0	Yellowish light gray	None	>100	26.1	4	1.8	<-0.58	<-0.52		

Gunma River (Water) 4/5

Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water							Activity concentration(Bq/L)		Remarks			
No.	Water area	Location	Municipality					Water temperature (°C)	Flowing depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium				
													Cs-134	Cs-137						
R i v e r s	Tonegawa River	Akagishirakawa River	In Shimohosoi Town	Maebashi City	2013/6/6	Sunny	23.7	0.4	18.3	0.0	Dark grayish yellow red	None	34	16.3	18	9.4	<-0.63	<-0.78		
					2013/8/20	Cloudy	36.3	0.5	26.2	0.0	Yellow reddish faint gray	None	86	17.7	10	3.0	<-0.67	<-0.78		
					2013/11/6	Sunny	16.4	0.5	16.4	0.0	Light grayish blue	None	>100	28.7	3	1.4	<-0.60	<-0.65		
		34	Momonoki River	Utsuboi Bridge	Maebashi City	2014/1/10	Sunny	5.1	0.2	5.9	0.0	Light grayish yellowish green	None	>100	26.6	2	0.9	<-0.59	<-0.68	
						2013/6/3	Sunny	27.2	0.4	19.2	0.0	Dark grayish yellow	None	52	16.5	6	6.2	<-0.51	<-0.59	
						2013/8/21	Cloudy	32.0	0.5	22.2	0.0	Yellowish gray	None	61	16.3	10	3.2	<-0.51	<-0.74	
		35	Arato River	Okuhara Bridge	Maebashi City	2013/11/7	Cloudy	10.8	0.3	12.3	0.0	Grayish blue green	None	>100	125.0	<1	0.6	<-0.74	<-0.58	
						2014/1/10	Sunny	2.9	0.3	6.0	0.0	Light grayish yellow green	None	>100	29.0	<1	0.3	<-0.53	<-0.68	
						2013/6/3	Sunny	27.5	0.4	27.5	0.0	Dark grayish yellow red	None	>100	28.5	<1	1.3	<-0.51	<-0.60	
		36	Kasukawa River	Hozumi Bridge	Maebashi City	2013/8/21	Cloudy	31.0	0.2	24.8	0.0	Dark grayish yellow red	None	>100	26.4	5	2.8	<-0.65	<-0.80	
						2013/11/7	Light rain	11.6	0.4	11.3	0.0	Light grayish yellow	None	>100	148.0	10	5.5	<-0.80	<-0.56	
						2014/1/10	Sunny	1.6	0.4	1.8	0.0	Bluish faint gray	None	81	27.4	7	4.5	<-0.62	<-0.63	
		37	Hirose River	Nakajima Bridge	Iseaki City	2013/5/23	Sunny	28.6	0.3	24.3	0.0	Dark grayish reddish yellow	None	46	3.2	19	5.0	<-0.56	<-0.68	
						2013/8/26	Sunny	31.9	0.6	25.0	0.0	Dark grayish reddish yellow	None	31	27.6	28	8.1	<-0.63	<-0.59	
						2013/11/14	Sunny	11.5	0.3	12.7	0.0	Bluish light gray	None	74	39.3	2	1.3	<-0.65	<-0.60	
		38	Hayakawa River	Hayakawa Bridge	Iseaki City	2014/1/16	Sunny	7.4	0.2	6.7	0.0	Yellowish pale gray	None	>100	42.8	9	4.2	<-0.56	<-0.60	
						2013/5/23	Sunny	29.1	0.4	23.9	0.0	Dark grayish yellow	None	44	20.6	16	4.0	<-0.58	<-0.60	
						2013/8/26	Sunny	30.0	0.5	22.8	0.0	Grayish reddish yellow	None	48	22.8	9	4.3	<-0.61	<-0.73	
		39	Tonegawa River System	Maiejima Bridge	Ota City	2013/11/14	Sunny	10.4	0.3	10.5	0.0	Yellowish pale gray	None	>100	30.1	3	1.4	<-0.62	<-0.60	
						2014/1/16	Sunny	7.2	0.2	4.7	0.0	Yellowish reddish light gray	None	>100	33.6	5	2.4	<-0.65	<-0.52	
						2013/5/27	Sunny	26.3	0.3	19.0	0.0	Dark grayish yellow red	None	76	20.1	8	2.4	<-0.70	<-0.49	
		40	Tonegawa River	Tone-ozeki Weir	Chiyoda Town / Gyoda City	2013/8/21	Cloudy	31.9	0.5	20.8	0.0	Yellowish pale gray	None	71	17.6	5	2.8	<-0.54	<-0.57	
						2013/11/7	Light rain	10.2	0.6	13.2	0.0	Light grayish yellow	None	>100	23.2	3	1.1	<-0.58	<-0.57	
						2014/1/10	Sunny	-1.9	0.3	1.6	0.0	Bluish faint gray	None	>100	25.1	6	3.4	<-0.59	<-0.58	
		41	Koguro River	Kayano Bridge	Kiryu City	2013/5/23	Sunny	27.8	0.5	25.3	0.0	Dark grayish yellow green	None	60	32.3	6	2.8	<-0.54	<-0.57	
						2013/8/26	Sunny	27.1	0.3	22.5	0.0	Grayish yellow	None	>100	30.0	13	3.8	<-0.75	<-0.73	
						2013/11/14	Sunny	10.1	0.2	9.8	0.0	Bluish faint gray	None	78	43.9	2	1.3	<-0.67	<-0.55	
		42	Watarase River Area	Takatsudo	Kiryu City	2014/1/16	Sunny	5.2	0.4	4.1	0.0	Reddish yellowish light gray	None	>100	48.8	5	3.3	<-0.58	<-0.74	
						2013/5/22	Sunny	22.4	0.2	20.1	0.0	Dark grayish yellow red	None	52	13.8	5	4.8	<-0.72	<-0.77	
						2013/6/21	Cloudy	25.1	0.8	21.1	0.0	Dark grayish greenish yellow	None	58	17.8	8	6.6	<-0.54	<-0.52	
		43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2013/7/17	Light rain	21.0	1.2	22.6	0.0	Dark grayish reddish yellow	None	51	19.1	15	9.3	<-0.59	<-0.59	
						2013/8/26	Sunny	21.1	0.4	22.4	0.0	Dark grayish reddish yellow	None	36	19.4	16	13	<-0.57	<-0.69	
						2013/9/30	Sunny	30.0	0.4	23.5	0.0	Dark grayish reddish yellow	None	34	27.0	10	5.8	<-0.58	<-0.52	
	43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2013/11/14	Sunny	8.7	0.5	9.4	0.0	Greenish yellowish pale gray	None	>100	28.8	3	1.9	<-0.71	<-0.56		
					2014/1/16	Sunny	6.2	0.3	4.6	0.0	Bluish purpleish faint gray	None	>100	30.7	4	2.3	<-0.58	<-0.71		
					2013/5/28	Cloudy	18.4	0.4	13.3	0.0	Light bluish green	None	>100	7.6	2	0.6	<-0.69	<-0.58		
	43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2013/6/21	Cloudy	16.1	0.6	14.6	0.0	Reddish yellowish light gray	None	>100	8.3	1	1.0	<-0.56	<-0.59		
					2013/7/17	Cloudy	25.0	0.3	16.5	0.0	Dark grayish yellow green	None	>100	7.7	5	1.4	<-0.56	<-0.41		
					2013/8/7	Sunny	26.5	0.8	18.3	0.0	Dark grayish green	None	>100	6.8	2	1.2	<-0.60	<-0.60		
	43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2013/9/24	Sunny	21.1	0.6	15.0	0.0	Grayish green	None	>100	6.7	<1	0.4	<-0.67	<-0.65		
					2013/11/5	Sunny	12.3	0.9	8.9	0.0	Grayish bluish green	None	>100	6.8	<1	0.2	<-0.54	<-0.52		
					2014/1/17	Sunny	-2.9	0.1	1.7	0.0	Yellow reddish faint gray	None	>100	8.3	2	0.3	<-0.56	<-0.59		
	43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2013/5/28	Cloudy	24.6	0.7	16.1	0.0	Dark grayish yellowish green	None	83	11.5	2	1.5	<-0.72	<-0.69		
2013/8/8					Sunny	31.0	0.8	22.7	0.0	Dark grayish yellow green	None	>100	11.0	3	2.2	<-0.59	<-0.64			
2013/11/8					Sunny	16.9	0.8	13.0	0.0	Greenish gray	None	>100	9.3	<1	1.1	<-0.64	<-0.74			
43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2014/1/17	Sunny	3.4	0.3	3.1	0.0	Yellow reddish faint gray	None	>100	13.3	<1	0.6	<-0.55	<-0.74			
				2013/5/28	Cloudy	24.8	0.4	17.6	0.0	Dark grayish yellow green	None	78	11.3	3	1.6	<-0.72	<-0.58			
				2013/6/21	Cloudy	20.8	0.5	15.7	0.0	Yellow greenish gray	None	>100	12.4	<1	1.6	<-0.66	<-0.47			
43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2013/7/17	Cloudy	26.0	0.5	21.5	0.0	Yellowish dark gray	None	>100	12.0	2	1.8	<-0.79	<-0.65			
				2013/8/8	Sunny	30.3	1.0	22.8	0.0	Dark grayish yellow green	None	96	10.8	3	1.6	<-0.66	<-0.64			
				2013/9/30	Sunny	24.2	0.6	19.4	0.0	Grayish yellowish green	None	40	9.7	4	5.4	<-0.51	<-0.47			
43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2013/11/7	Cloudy	18.0	0.5	13.9	0.0	Dark grayish yellowish green	None	>100	9.7	1	0.9	<-0.79	<-0.68			
				2014/1/17	Sunny	7.2	0.6	4.3	0.0	Yellow greenish pale gray	None	>100	14.8	1	0.6	<-0.60	<-0.60			

Gunma River (Water) 5/5

R i v e r s	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water								Remarks			
	No.	Water area		Location					Municipality	General items								Activity concentration(Bq/L)		
		Water area	Water area							Water temperature (°C)	Water depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)		Turbidity (FNU)	Radioactive cesium	
44	44	Tonegawa River System	Watarase River Area	Tatara River	Ejiri Bridge	Oura Town	2013/5/22	Sunny	27.6	1.3	22.7	0.0	Dark grayish yellow red	None	74	17.1	10	3.7	<-0.63	<-0.69
							2013/8/5	Cloudy	26.8	0.4	24.3	0.0	Grayish yellow green	None	82	21.7	4	2.0	<-0.50	<-0.54
							2013/11/6	Sunny	20.0	0.4	17.3	0.0	Dark grayish yellow green	None	95	30.5	4	1.8	<-0.64	<-0.45
				2014/1/20	Cloudy	3.8	0.5	4.3	0.0	Greenish yellowish light gray	None	>100	31.6	7	3.3	<-0.70	<-0.72			
				2013/5/27	Sunny	25.4	0.3	18.6	0.0	Very dark yellow red	None	18	8.4	1	0.9	<-0.57	<-0.73			
				2013/8/8	Sunny	32.5	0.5	22.1	0.0	Grayish yellow red	None	>100	6.9	1	0.9	<-0.62	<-0.69			
	45	Tonegawa River System	Watarase River Area	Kiryu River	Kannon Bridge	Kiryu City	2013/11/8	Sunny	20.8	0.4	13.5	0.0	Grayish yellow red	None	>100	7.0	<1	0.7	<-0.58	<-0.62
							2014/1/17	Sunny	7.0	0.3	4.0	0.0	Yellowish reddish light gray	None	>100	9.2	1	0.3	<-0.58	<-0.59
							2013/5/27	Sunny	27.1	0.3	23.8	0.0	Very dark yellow red	None	82	11.0	8	2.6	<-0.63	<-0.58
					2013/8/8	Sunny	25.3	0.6	21.5	0.0	Dark grayish yellow red	None	>100	8.6	3	1.1	<-0.69	<-0.58		
					2013/11/8	Sunny	11.5	0.4	12.1	0.0	Greenish light gray	None	>100	8.4	<1	0.7	<-0.51	<-0.57		
					2014/1/20	Cloudy	0.6	0.4	1.5	0.0	Yellowish pale gray	None	>100	12.2	13	1.7	<-0.75	<-0.76		
	46	Tonegawa River System	Watarase River Area	Kiryu River	Sakai Bridge	Kiryu City/Ashikaga City	2013/5/22	Sunny	29.4	1.2	28.3	0.0	Dark grayish reddish yellow	None	11	27.8	22	14	<-0.69	<-0.81
							2013/8/5	Cloudy	29.1	1.1	28.3	0.0	Dark grayish yellow green	None	27	29.1	16	4.5	<-0.65	<-0.76
							2013/11/6	Sunny	15.6	1.2	16.0	0.0	Dark grayish yellow	None	45	36.6	11	6.2	<-0.56	<-0.49
					2014/1/20	Cloudy	7.2	0.4	6.3	0.0	Yellowish gray	None	38	43.1	22	18	<-0.77	<-0.68		
					2013/5/22	Sunny	21.9	1.7	23.0	0.0	Dark grayish yellow	None	62	44.3	4	4.8	<-0.72	<-0.64		
					2013/8/5	Cloudy	27.0	1.8	25.6	0.0	Dark grayish yellow green	None	77	38.1	4	3.2	<-0.64	<-0.66		
47	Tonegawa River System	Watarase River Area	Tsurunda River	Lake Jonuma	Tatebayashi City	2013/11/6	Sunny	10.2	0.5	15.0	0.0	Dark grayish reddish yellow	None	>100	56.4	3	3.0	<-0.64	<-0.52	
						2013/5/22	Sunny	21.9	1.7	23.0	0.0	Dark grayish yellow	None	62	44.3	4	4.8	<-0.72	<-0.64	
						2013/8/5	Cloudy	27.0	1.8	25.6	0.0	Dark grayish yellow green	None	77	38.1	4	3.2	<-0.64	<-0.66	
						2014/1/20	Cloudy	7.1	0.8	6.0	0.0	Grayish reddish yellow	None	34	77.3	5	4.6	<-0.70	<-0.72	
48	Tonegawa River System	Watarase River Area	Yatagawa River	Togoda Bridge	Mito Town /Itakura Town	2013/5/22	Sunny	21.9	1.7	23.0	0.0	Dark grayish yellow	None	62	44.3	4	4.8	<-0.72	<-0.64	
						2013/8/5	Cloudy	27.0	1.8	25.6	0.0	Dark grayish yellow green	None	77	38.1	4	3.2	<-0.64	<-0.66	
						2013/11/6	Sunny	10.2	0.5	15.0	0.0	Dark grayish reddish yellow	None	>100	56.4	3	3.0	<-0.64	<-0.52	
						2014/1/20	Cloudy	7.1	0.8	6.0	0.0	Grayish reddish yellow	None	34	77.3	5	4.6	<-0.70	<-0.72	

Gunma River (Sediment)1/5

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																Remarks		
	Water area	Location	Municipality					Sediment				General items										Activity concentration [Bq/kg(dry)]				
								Secumment (°C)	Imple leng (cm)	Color	Odor	Grain size distribution(%)					Sediment content (%)	Density (g/cm ³)	Property	Radioactive cesium						
												Coarse gravel	Medium grav	Fine gravel	Coarse sand	Medium sand				Fine sand	Silt	Clay	Cs-134		Cs-137	Total
R i v e r s	Tonegawa River System	Tonegawa River	Hirose Bridge	Minakami Town	2013/6/28	Cloudy	22.1	0.7	15.9	5	Brown	None	0.0	58.0	23.9	7.0	5.7	4.2	0.7	0.4	86.0	2.630	Gravel/sand	23	49	72
					2013/8/28	Sunny	26.4	0.6	18.8	5	Dim yellowish orange	None	0.0	0.0	0.5	0.4	3.6	17.7	69.5	8.3	43.4	2.523	Silt	64	130	194
					2013/11/15	Cloudy	6.0	1.4	7.6	5	Olive yellow	None	2.9	4.3	7.8	17.7	55.3	9.8	0.1	2.1	72.5	2.650	Sand/gravel	14	38	52
					2014/1/8	Sunny	8.1	1.9	3.6	3	Grayish olive	None	1.4	5.8	8.5	26.8	45.8	8.7	1.2	1.9	72.2	2.618	Sand/gravel	15	46	61
					2013/6/5	Sunny	23.8	0.4	10.2	10	Yellowish brown	None	0.0	0.8	2.9	16.1	62.1	14.6	1.3	2.3	80.7	2.662	Sand/gravel	21	49	70
			2013/6/25	Sunny	20.5	0.4	10.7	5	Blackish brown	None	0.0	0.0	55.2	33.1	7.8	0.7	0.8	2.5	80.7	2.654	Gravel/sand	14	32	46		
			2013/7/18	Sunny	22.0	0.3	12.0	1	Olive black	None	0.0	5.7	56.6	22.3	11.9	1.9	0.1	1.4	81.8	2.668	Gravel/sand	20	27	47		
			2013/8/28	Sunny	18.2	0.5	15.5	5	Faint hydrogen sulfide	None	0.0	2.4	1.9	13.3	66.8	13.7	0.3	1.7	74.4	2.650	Sand/gravel	37	78	115		
			2013/9/29	Sunny	22.6	0.5	18.0	5	Blackish brown	None	0.0	31.1	30.3	25.6	11.0	1.3	0.2	0.7	83.0	2.651	Gravel/sand	12	28	40		
			2013/11/6	Sunny	7.9	0.6	11.4	5	Grayish olive	None	0.0	5.0	8.2	24.3	54.0	7.0	0.1	1.4	77.6	2.691	Sand/gravel	15	45	60		
		2014/1/8	Sunny	1.2	0.5	3.5	3	Grayish olive	None	0.0	7.3	17.2	36.8	31.2	4.3	1.2	2.1	82.7	2.709	Gravel/sand	11	25	36			
		2013/6/5	Sunny	21.8	0.4	14.3	10	Brown	None	0.0	0.4	0.7	11.8	77.4	6.1	0.8	2.7	77.6	2.615	Sand/gravel	16	23	39			
		2013/8/28	Sunny	23.2	0.5	18.6	5	Grayish olive	None	0.0	0.0	0.3	3.3	77.1	15.9	2.6	0.9	73.8	2.629	Sand/gravel	20	40	60			
		2013/11/6	Sunny	6.7	0.6	10.4	5	Olive brown	None	0.0	14.3	12.3	30.8	39.2	1.7	0.5	1.2	74.7	2.642	Sand/gravel	5.2	13	18.2			
		2014/1/8	Sunny	2.6	0.3	2.0	3	Grayish olive	None	0.0	6.4	9.2	27.7	46.7	6.9	0.6	2.5	76.3	2.666	Sand/gravel	26	64	90			
		2013/6/5	Sunny	22.4	0.3	14.5	10	Light brown	None	0.0	17.2	41.8	20.6	17.4	1.4	0.4	1.2	77.3	2.665	Sand/gravel	92	190	282			
		2013/6/24	Sunny	23.3	0.3	15.3	3	Blackish brown	None	0.0	0.0	32.7	25.6	31.7	7.9	0.8	1.5	77.3	2.779	Sand/gravel	80	180	260			
		2013/7/18	Sunny	24.0	0.1	16.7	1	Dim yellowish brown	None	0.0	5.7	39.1	28.2	22.3	2.6	1.2	0.9	73.1	2.740	Gravel/sand	83	180	263			
		2013/8/16	Sunny	26.3	0.2	19.2	6	Olive black	None	0.0	48.9	33.2	8.8	6.3	2.5	0.2	0.2	79.0	2.687	Gravel/sand	82	140	222			
		2013/9/25	Cloudy	17.0	0.3	15.0	5	Dim yellowish orange	None	12.4	35.3	21.9	15.8	12.2	1.4	0.1	0.8	76.1	2.809	Gravel/sand	38	88	126			
		2013/11/5	Sunny	16.2	0.3	11.0	3	Dim yellowish brown	None	0.0	34.3	29.1	16.0	16.9	2.1	0.3	1.2	73.4	2.809	Gravel/sand	36	93	129			
		2014/1/7	Sunny	-4.1	0.4	3.0	5	Grayish olive	None	0.0	49.2	32.8	9.6	6.0	1.4	0.5	0.5	78.7	2.713	Gravel/sand	37	110	147			
		2013/6/24	Sunny	23.1	0.3	16.3	7	Dim yellowish brown	None	0.0	17.7	23.9	22.1	30.6	4.2	0.1	1.5	83.9	2.650	Gravel/sand	7	11	35			
		2013/8/13	Cloudy	24.8	0.2	17.0	4	Brown	None	0.0	10.0	36.9	40.4	9.9	0.1	0.4	2.3	81.1	2.627	Gravel/sand	3.5	17	20.5			
		2013/11/5	Sunny	10.2	0.6	7.4	5	Olive black	None	2.2	45.8	19.7	11.5	18.7	1.6	0.1	0.3	78.9	2.628	Gravel/sand	6.4	17	23.4			
		2014/1/7	Sunny	-7.2	0.6	0.6	5	Olive brown	None	15.9	11.6	2.7	37.3	28.6	2.1	0.3	1.6	77.8	2.693	Gravel/sand	12	22	34			
		2013/6/5	Sunny	25.1	0.7	19.0	10	Brown	None	0.0	6.7	63.4	21.1	5.9	1.3	0.4	1.1	86.3	2.683	Gravel/sand	4.9	10	14.9			
		2013/6/25	Sunny	22.0	0.6	16.0	5	Gray	None	0.0	0.0	33.5	30.4	31.1	3.0	0.8	1.2	86.3	2.729	Gravel/sand	4.9	10	14.9			
		2013/7/18	Sunny	26.0	0.3	19.4	1	Grayish olive	None	0.0	2.4	29.0	26.7	37.0	3.1	0.3	1.5	78.0	2.705	Gravel/sand	3.0	6.9	9.9			
		2013/8/16	Sunny	23.6	0.3	18.9	5	Grayish olive	None	0.0	38.1	21.0	14.0	24.3	1.7	0.1	1.0	80.4	2.734	Gravel/sand	3.4	7.5	10.9			
		2013/9/25	Cloudy	17.2	0.8	14.6	5	Grayish olive	None	2.8	25.3	27.5	22.0	12.5	8.6	0.1	1.1	82.5	2.656	Gravel/sand	3.3	7.6	10.9			
		2013/11/5	Sunny	15.8	0.5	10.1	5	Yellowish brown	None	0.0	20.7	6.5	17.6	51.3	3.0	0.3	0.6	75.8	2.639	Sand/gravel	3.6	6.8	10.4			
		2014/1/7	Sunny	-2.4	0.5	0.4	5	Grayish olive	None	0.0	21.7	39.0	18.5	14.6	4.2	0.1	1.8	80.8	2.671	Gravel/sand	2.1	6.0	8.1			
		2013/6/5	Sunny	20.2	0.4	15.1	10	Blackish brown	None	0.0	25.8	31.5	22.5	16.4	2.7	0.4	0.7	78.2	2.744	Sand/gravel	34	65	99			
		2013/6/25	Sunny	21.5	0.5	18.4	5	Black	None	0.0	3.9	45.7	25.4	19.5	2.9	0.2	2.3	78.2	2.868	Gravel/sand	26	54	80			
		2013/7/18	Sunny	23.5	0.6	18.3	3	Dim yellowish brown	None	0.0	8.2	54.3	20.7	12.2	2.6	0.3	1.8	75.4	2.749	Gravel/sand	28	67	95			
		2013/8/16	Sunny	29.8	0.5	23.4	5	Grayish olive	None	0.0	17.5	29.5	27.3	21.4	2.2	0.5	1.6	81.8	2.904	Gravel/sand	29	45	74			
		2013/9/25	Cloudy	25.1	0.7	16.6	5	Yellowish brown	None	3.7	6.5	7.5	18.3	41.3	14.5	3.8	4.4	64.3	2.798	Gravel/sand	38	54	92			
		2013/11/5	Sunny	17.1	0.5	13.0	4	Grayish olive	None	0.0	1.2	6.4	40.9	48.7	2.1	0.1	0.6	76.6	2.825	Sand/gravel	11	28	39			
		2014/1/7	Sunny	3.1	0.6	4.3	7	Faint hydrogen sulfide	None	0.0	41.1	33.4	13.8	10.2	0.5	0.3	0.7	78.3	2.889	Gravel/sand	12	22	34			
		2013/6/12	Cloudy	19.4	0.5	14.0	10	Dark brown	None	0.0	0.0	1.9	12.3	62.0	18.2	2.4	3.2	76.6	2.779	Sand/gravel	4.8	9.5	14.3			
		2013/8/20	Cloudy	28.1	0.3	18.6	5	Dark grayish yellow	None	0.0	0.0	1.5	18.7	53.4	16.6	4.4	5.4	78.2	2.734	Sand/gravel	4.3	8.6	12.9			
		2013/11/8	Sunny	7.4	0.5	8.0	5	Dim yellowish orange	None	0.0	0.0	0.0	0.2	61.4	36.4	0.4	1.5	78.5	2.990	Sand	1.3	2.6	3.9			
		2014/1/9	Sunny	-0.6	0.5	3.8	5	Grayish olive	None	0.0	2.1	0.3	3.0	58.0	33.5	1.3	1.9	74.8	2.883	Sand	2.1	3.2	5.3			
		2013/6/12	Cloudy	20.3	0.5	16.6	5	Dark grayish yellow	None	0.0	16.6	31.5	35.5	13.4	0.5	0.7	1.8	75.8	2.706	Gravel/sand	3.6	7.6	11.2			
		2013/8/20	Cloudy	25.1	0.6	22.0	5	Yellowish brown	None	0.0	13.4	43.7	27.8	12.6	0.9	0.4	1.3	74.9	2.681	Gravel/sand	5.8	12	17.8			
		2013/1/8	Sunny	8.9	0.4	10.0	6	Dark grayish yellow	None	0.0	0.2	0.7	8.0	60.6	25.8	2.4	2.4	76.9	2.863	Sand	2.6	6.8	9.4			
		2014/1/9	Sunny	2.8	0.6	3.8	4	Olive brown	None	0.0	2.6	8.9	29.2	50.7	6.2	0.5	2.0	75.9	2.779	Sand/gravel	1.5	5.0	6.5			

Gunma River (Sediment) 2/5

Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																	Remarks
No.	Water area		Municipality					Sediment (°C)	Imple leng (cm)	Color	Odor	General items							Sediment content (%)	Density (g/cm ³)	Property	Activity concentration (Bq/kg(dry))			
												Coarse grave	Medium grav	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt				Clay	Cs-134	Cs-137	
10	Agatsuma River	Downstream of Azuma Bridge	Higashi-Azuma Town	2013/5/28	Cloudy	17.9	0.5	17.8	3	Black	None	0.0	5.4	22.0	38.6	30.6	2.4	0.1	0.9	80.8	2.740	Gravel/sand	4.9	9.0	13.9
				2013/6/11	Cloudy	17.8	0.3	19.0	10	Brown	Faint olive	0.0	17.8	25.2	36.2	17.1	0.8	0.7	2.1	80.5	2.730	Sand/gravel	2.9	6.0	9.8
				2013/7/19	Sunny	19.0	0.3	19.6	1	Faint hydrogen sulfide	None	0.0	1.0	8.2	54.1	31.4	1.9	0.5	2.4	75.3	2.695	Gravel/sand	4.6	8.8	13.4
				2013/8/20	Sunny	25.2	0.4	25.1	5	Dark brown	None	0.0	1.1	9.6	45.7	40.0	1.9	0.5	1.4	80.0	2.749	Gravel/sand	4.4	12	16.4
				2013/9/26	Sunny	21.6	0.5	18.0	5	Gray	None	0.0	1.8	7.5	37.8	47.6	2.4	0.5	2.4	76.1	2.734	Gravel/sand	1.9	5.4	7.3
				2013/11/8	Sunny	18.1	0.5	11.8	6	Faint hydrogen sulfide	None	0.0	22.2	38.1	21.1	16.3	1.6	0.1	0.7	85.5	2.776	Gravel/sand	1.8	4.9	6.7
				2014/1/9	Sunny	7.6	0.4	5.0	3	Grayish olive	None	0.0	4.5	7.5	27.5	51.5	5.8	1.3	1.9	76.9	2.814	Gravel/sand	2.9	6.5	9.4
				2013/6/25	Sunny	25.4	0.5	20.0	5	Brown	None	0.0	7.4	20.4	36.5	31.6	3.0	0.5	0.6	76.2	2.694	Gravel/sand	24	44	68
				2013/8/20	Cloudy	20.8	0.4	24.6	5	Dark brown	None	0.0	3.2	22.8	43.0	27.6	2.1	0.1	1.3	67.0	2.611	Sand/gravel	28	65	93
				2013/11/7	Sunny	20.1	0.5	12.0	5	Dark brown	None	0.0	3.9	31.7	39.6	21.6	1.5	0.6	1.1	64.9	2.607	Gravel/sand	20	40	60
11	Nakuta River	Tonoda Bridge	Takayama Village	2013/11/7	Sunny	6.9	0.6	4.8	5	Faint hydrogen sulfide	None	5.6	8.6	15.5	37.8	28.2	1.1	1.2	2.2	72.6	2.648	Gravel/sand	12	26	38
				2013/5/28	Cloudy	21.0	0.9	19.3	3	Blackish brown	None	0.0	0.0	6.6	13.4	59.1	16.2	1.3	3.4	76.9	2.668	Sand/gravel	7.7	16	23.7
				2013/6/11	Cloudy	20.6	0.5	22.0	10	Dark grayish yellow	None	0.0	0.0	0.1	0.4	29.7	61.3	3.0	5.5	65.9	2.644	Sand/silt	11	23	34
				2013/7/19	Sunny	26.2	0.3	20.0	1	Black	Medium odor	0.0	0.0	0.0	0.2	19.9	62.0	8.1	9.8	56.1	2.567	Silt/sand	27	68	95
				2013/8/28	Sunny	29.2	0.7	21.0	5	Grayish olive	None	0.0	10.8	8.7	9.8	57.3	11.7	0.3	1.3	75.2	2.745	Sand/gravel	20	31	51
				2013/9/29	Sunny	28.1	0.6	15.2	3	Dark olive brown	None	0.0	0.0	0.0	0.9	27.4	53.3	11.3	7.2	63.7	2.588	Sand	16	40	56
				2013/11/6	Sunny	16.2	0.4	14.5	5	Dim yellowish brown	None	0.0	0.0	0.0	0.1	9.2	67.7	18.1	4.8	64.8	2.631	Sand/silt	12	34	46
				2014/1/8	Sunny	4.4	0.4	4.5	6	Dim yellowish orange	None	0.0	0.0	0.0	3.6	62.2	32.4	1.0	0.8	71.6	2.728	Sand	<9.1	10	10
				2013/5/28	Cloudy	23.4	1.0	11.4	5	Dark olive brown	None	0.0	0.0	5.5	13.2	59.7	18.5	0.2	2.9	79.3	2.759	Sand/gravel	14	32	46
				2013/6/11	Cloudy	21.1	0.8	12.2	10	Faint hydrogen sulfide	None	0.0	0.0	1.8	9.1	65.7	20.0	0.6	2.7	75.6	2.765	Sand	16	38	54
12	Agatsuma River	Agatsuma Bridge	Shibukawa City	2013/7/19	Sunny	27.0	0.7	17.2	1	Grayish olive	None	0.0	3.0	27.2	16.8	35.8	13.5	1.6	2.2	78.4	2.773	Gravel/sand	17	48	65
				2013/8/28	Sunny	30.6	0.7	22.1	5	Blackish brown	None	0.0	4.1	4.9	20.2	56.8	10.4	1.5	2.1	68.5	2.680	Sand/gravel	47	100	147
				2013/9/29	Sunny	28.0	0.6	18.4	3	Faint hydrogen sulfide	None	0.0	9.6	27.4	39.4	20.0	2.5	0.2	1.0	76.1	2.671	Sand/gravel	5.7	16	21.7
				2013/11/5	Sunny	18.1	0.7	13.5	5	Blackish brown	None	0.0	1.6	5.3	34.9	52.5	4.8	0.1	0.8	75.7	2.677	Gravel/sand	5.2	15	20.2
				2014/1/8	Cloudy	10.1	0.5	5.7	5	Brownish gray	None	0.0	2.7	2.8	32.7	55.9	4.4	0.1	1.3	73.9	2.695	Sand/gravel	9.0	20	29.0
				2013/6/6	Sunny	23.4	0.2	19.5	10	Dark brown	None	0.0	11.9	21.8	22.9	31.2	9.1	1.1	2.1	78.4	2.806	Sand/gravel	21	44	65
				2013/8/27	Sunny	31.9	0.3	26.1	5	Grayish olive	None	0.0	15.4	39.6	22.6	19.7	1.9	0.4	0.4	79.1	2.824	Gravel/sand	13	35	48
				2013/11/6	Sunny	18.6	0.3	18.0	5	Dark brown	None	0.0	1.7	8.3	35.9	52.4	0.5	0.0	1.1	76.3	2.856	Gravel/sand	9.1	24	33.1
				2014/1/8	Cloudy	11.0	0.4	9.2	4	Blackish brown	None	0.0	1.5	10.0	40.6	41.5	3.1	0.6	2.7	73.2	2.813	Sand/gravel	12	27	39
				2013/6/6	Sunny	21.6	0.9	11.6	10	Yellowish brown	None	0.0	0.0	0.2	0.8	47.4	45.3	1.8	4.4	73.6	2.725	Sand	25	48	73
13	Tonegawa River	Taisho Bridge	Shibukawa City	2013/8/22	Cloudy	26.4	0.3	19.9	5	Faint hydrogen sulfide	None	0.0	0.0	0.4	0.9	55.5	33.4	3.9	5.9	70.9	2.702	Silt/sand	4.0	100	140
				2013/11/11	Sunny	14.2	0.4	12.6	3	Faint hydrogen sulfide	None	0.0	0.0	0.5	1.1	58.1	38.7	0.1	1.5	79.3	3.021	Sand	4.0	12	16.0
				2014/1/4	Sunny	5.4	0.3	2.9	8	Faint hydrogen sulfide	None	0.0	0.8	0.3	1.0	38.6	47.5	7.5	4.3	65.7	2.763	Sand/silt	15	28	43
				2013/6/4	Sunny	29.4	0.4	16.9	10	Blackish brown	faint sewage	0.0	0.0	0.0	0.2	10.3	70.2	7.8	11.6	69.8	2.673	Sand/silt	20	44	64
				2013/8/21	Cloudy	26.9	0.5	20.1	5	Dark brown	None	0.0	2.3	5.4	16.6	50.8	20.1	0.8	4.1	76.3	2.813	Sand/gravel	16	40	56
				2013/11/7	Light rain	10.0	0.5	12.9	6	Grayish olive	None	1.6	20.5	15.5	22.0	34.7	4.8	0.2	0.7	79.9	2.852	Sand/gravel	2.5	7.9	10.4
				2014/1/10	Sunny	1.9	0.5	6.0	7	Grayish olive	None	0.0	0.0	1.2	57.8	35.0	2.1	1.3	2.6	76.6	2.682	Sand/silt	3.4	7.5	10.9
				2013/6/7	Cloudy	23.8	0.2	20.0	5	Brown	None	0.0	23.9	21.1	17.5	25.4	8.7	0.4	3.0	74.4	2.749	Sand/gravel	5.6	130	186
				2013/8/22	Sunny	31.9	0.2	24.9	5	Blackish brown	None	0.0	14.2	24.4	28.3	30.8	1.6	0.0	0.7	70.6	2.732	Gravel/sand	46	130	176
				2013/11/11	Sunny	5.5	0.2	8.9	5	Dark olive brown	None	2.2	7.0	17.0	20.4	33.4	16.1	2.0	1.9	69.3	2.773	Gravel/sand	37	100	137
14	Takizawa River	Shintakizawa Bridge	Higashi-Azuma Town	2014/1/14	Sunny	-1.2	0.3	1.0	7	Faint hydrogen sulfide	None	0.0	9.5	19.6	24.9	34.8	8.1	0.3	2.9	75.2	2.797	Sand/gravel	18	34	52
				2013/6/7	Sunny	24.2	0.5	17.8	5	Dark reddish brown	None	0.0	0.0	1.0	26.0	67.6	3.7	0.3	1.4	74.5	2.718	Sand	12	29	41
				2013/8/22	Sunny	32.1	0.4	23.0	5	Dark brown	None	1.2	10.5	20.1	41.0	25.9	0.7	0.3	0.4	78.4	2.722	Gravel/sand	12	18	30
				2013/11/11	Sunny	6.9	0.6	9.9	5	Dim yellowish brown	None	0.0	0.0	0.9	18.0	68.2	9.7	0.7	2.6	73.4	2.715	Sand/gravel	8.6	19	27.6
				2014/1/4	Sunny	-1.4	0.3	0.3	6	Faint hydrogen sulfide	None	4.8	21.8	10.5	34.7	22.9	4.2	0.1	1.1	78.2	2.870	Sand/gravel	9.6	19	28.6
				2013/6/4	Sunny	26.4	0.3	23.5	10	Brown	None	2.3	32.3	24.9	16.8	12.4	5.8	1.1	4.5	77.9	2.620	Sand/gravel	42	85	127
				2013/8/22	Cloudy	31.4	0.4	28.1	5	Faint hydrogen sulfide	None	0.0	20.7	48.1	25.3	3.7	2.0	0.1	0.3	80.4	2.663	Gravel/sand	17	40	57
				2013/11/12	Sunny	7.9	0.3	9.0	5	Dim yellowish orange	None	0.0	4.3	25.9	59.6	8.7	0.7	0.2	0.7	76.5	2.712	Gravel/sand	<7.6	19	19
				2014/1/13	Cloudy	6.9	0.2	0.9	7	Grayish olive	None	0.0	0.0	0.3	2.3	40.6	41.1	9.8	6.0	61.3	2.614	Silt/sand	35	96	131
				15	Tonegawa River	Gunma-obashi Bridge	Maebashi City	2013/11/11	Sunny	14.2	0.4	12.6	3	Faint hydrogen sulfide	None	0.0	0.0	0.5	1.1	58.1	38.7	0.1	1.5	79.3	3.021
2014/1/4	Sunny	5.4	0.3					2.9	8	Faint hydrogen sulfide	None	0.0	0.8	0.3	1.0	38.6	47.5	7.5	4.3	65.7	2.763	Sand/silt	15	28	43
2013/6/4	Sunny	29.4	0.4					16.9	10	Blackish brown	faint sewage	0.0	0.0	0.0	0.2	10.3	70.2	7.8	11.6	69.8	2.673	Sand/silt	20	44	64
2013/8/21	Cloudy	26.9	0.5					20.1	5	Dark brown	None	0.0	2.3	5.4	16.6	50.8	20.1	0.8	4.1	76.3	2.813	Sand/gravel	16	40	56
2013/11/7	Light rain	10.0	0.5					12.9	6	Grayish olive	None	1.6	20.5	15.5	22.0	34.7	4.8	0.2	0.7	79.9	2.852	Sand/gravel	2.5	7.9	10.4
2014/1/10	Sunny	1.9	0.5					6.0	7	Grayish olive	None	0.0	0.0	1.2	57.8	35.0	2.1	1.3	2.6	76.6	2.682	Sand/silt</			

Gunma River (Sediment) 3/5

No.	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment													Remarks					
	Water area	Location	Municipality	General items					Grain size distribution(%)						Sediment content (%)		Density (g/cm³)		Property		Activity concentration (Bq/kg(dry))						
				Secumment (°C)					Imple leng (cm)	Color	Odor	Coarse grav	Medium grav	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Total	Cs-134		Cs-137	Total			
R i v e r s	Tonegawa River System	Usui River	Hanataka Bridge	Takasaki City	2013/6/6	Sunny	24.8	2.9	22.1	10	Black	Medium sand	0.0	8.2	14.6	16.9	43.9	10.5	1.1	4.8	74.9	2.736	Sand/silt	10	37	47	
					2013/8/22	Sunny	29.6	0.4	26.9	6	Faint hydrogen sulfide	None	0.0	4.0	4.3	25.9	54.3	11.1	0.2	0.3	74.8	2.777	Gravel/sand	19	39	68	
					2013/11/11	Cloudy	16.2	0.7	14.3	4	Blackish brown	None	0.0	7.1	7.4	19.7	53.6	9.1	0.8	2.3	70.8	2.728	Gravel/sand	-7.4	12	12	
					2014/1/14	Sunny	8.3	0.4	4.0	8	Faint hydrogen sulfide	None	0.0	0.9	1.0	9.6	68.7	17.2	1.0	1.6	74.1	2.768	Sand	3.7	8.4	12.1	
		Kabura River	Tadakawa Bridge	Shimada Town	2013/5/30	Cloudy	19.5	0.5	18.8	10	Blackish brown	None	0.0	36.8	27.2	11.6	22.8	0.9	0.1	0.6	83.2	2.699	Sand/gravel	6.5	9.2	15.7	
					2013/8/23	Cloudy	27.3	0.3	27.1	5	Faint hydrogen sulfide	None	0.0	25.1	32.6	29.8	11.4	0.3	0.1	0.7	80.6	2.673	Gravel/sand	9.9	13	22.9	
					2013/11/12	Sunny	4.4	0.4	7.0	3	Faint hydrogen sulfide	None	0.0	0.3	7.8	47.0	42.9	1.2	0.2	0.6	77.9	2.695	Gravel/sand	3.5	6.8	10.3	
					2014/1/15	Cloudy	2.2	0.7	0.0	8	Grayish olive	None	0.0	2.3	29.5	47.7	18.1	0.4	0.2	1.9	86.2	2.675	Gravel/sand	2.6	6.8	9.4	
		Kaburagawa Bridge	Fukuda City, Park City	2013/5/29	Cloudy	19.7	0.5	20.8	10	Black	Faint sewage	0.0	1.3	3.4	2.5	15.6	37.9	25.0	14.3	59.1	2.632	Silt/sand	64	150	214		
				2013/8/21	Cloudy	30.1	0.6	29.0	5	Black	Medium sand	0.0	25.5	17.5	6.2	8.7	18.8	13.2	10.1	61.6	2.623	Silt/gravel	14	35	49		
				2013/11/12	Sunny	13.9	0.4	11.7	5	Olive black	Faint drain	1.7	9.1	10.7	5.2	21.3	31.0	14.3	6.8	71.0	2.689	Sand/silt	14	36	50		
				2014/1/15	Sunny	9.1	0.2	3.5	5	Yellowish brown	None	0.0	0.0	0.2	0.4	34.3	59.5	3.3	2.4	71.7	2.700	Sand/silt	<10	22	22		
		Ogawa River	Kinzaa Bridge	Kaira Town	2013/5/30	Cloudy	18.4	0.2	16.5	10	Dark brown Olive gray	Faint algae	1.6	41.2	45.6	9.8	1.4	0.2	0.1	0.1	90.1	2.719	Gravel/sand	7.2	13	20.2	
					2013/8/23	Cloudy	27.6	0.2	22.1	5	Faint hydrogen sulfide	None	0.0	18.7	38.9	33.2	6.9	0.9	0.6	0.7	81.1	2.655	Gravel/sand	6.0	16	22.0	
					2013/11/12	Sunny	10.2	0.3	12.1	5	Faint hydrogen sulfide	None	0.0	3.2	7.1	40.0	43.4	3.4	1.5	1.4	76.4	2.729	Sand/gravel	18	45	63	
					2014/1/15	Cloudy	8.8	0.1	4.9	4	Gray	None	0.0	0.7	5.5	32.6	50.8	4.7	1.4	4.3	78.2	2.727	Sand/gravel	11	25	36	
		Nanmoku River	Ozawa Bridge	Nanmoku Village	2013/5/30	Cloudy	20.5	0.2	17.7	10	Dark brown	None	0.0	17.9	26.6	28.5	21.7	3.2	0.4	1.9	80.1	2.688	Sand/gravel	6.8	13	19.8	
					2013/8/15	Sunny	33.0	0.2	29.8	5	Grayish olive	None	0.0	1.0	13.2	45.5	31.6	5.1	1.3	2.3	80.2	2.634	Gravel/sand	8.0	21	29.0	
					2013/11/12	Sunny	4.2	0.3	7.2	3	Grayish olive	None	0.0	0.3	16.1	77.9	4.8	0.3	0.1	0.6	83.9	2.676	Gravel/sand	1.7	5.1	6.8	
					2014/1/15	Cloudy	-1.2	0.1	0.0	5	Dark olive brown	None	0.0	5.1	12.1	58.5	22.1	0.1	0.6	1.6	79.0	2.663	Gravel/sand	-8.2	11	11	
		Soneya River	Yakushi Bridge	Shimo Village	2013/6/6	Sunny	24.0	0.2	19.0	10	Blackish brown	Faint algae	0.0	27.6	21.1	17.1	29.9	4.1	0.1	0.3	80.0	2.953	Sand/gravel	13	34	47	
					2013/8/20	Cloudy	29.3	0.2	25.6	5	Blackish brown	None	0.0	0.2	1.5	13.3	70.3	11.2	0.3	3.2	70.2	2.803	Sand/gravel	18	49	67	
					2013/11/11	Sunny	11.8	0.3	12.6	4	Faint hydrogen sulfide	None	0.0	16.5	15.2	23.4	39.6	4.0	0.3	1.1	79.5	2.975	Gravel/sand	9.2	24	33.2	
					2014/1/14	Sunny	3.2	0.1	2.4	4	Faint hydrogen sulfide	None	0.0	36.1	22.9	11.9	24.7	3.1	0.1	1.3	82.9	2.968	Gravel/sand	12	23	35	
		Itoyawa River	Kamakura Bridge	Takasaki City	2013/6/4	Sunny	28.6	0.2	22.4	10	Blackish brown	None	0.0	14.0	3.6	3.8	50.2	23.9	1.2	3.4	78.4	2.880	Sand	8.9	23	31.9	
					2013/8/21	Cloudy	25.9	0.2	24.3	5	Brown	None	0.0	0.0	0.7	8.0	75.2	14.2	0.5	1.3	74.0	2.789	Sand/gravel	9.2	21	28.2	
					2013/11/7	Cloudy	14.9	0.5	16.0	8	Dark yellowish orange	Dark olive	0.0	1.0	0.4	2.5	74.7	19.8	0.0	1.7	75.7	2.797	Sand/gravel	6.6	23	29.6	
					2014/1/10	Sunny	4.9	0.3	8.2	5	Faint hydrogen sulfide	None	0.0	3.1	1.2	3.2	58.0	29.9	1.8	3.0	74.4	2.874	Sand	12	27	39	
		Karasu River	Iwakura Bridge	Takasaki City, Tamamura Town	2013/5/29	Cloudy	20.0	0.3	21.2	10	Faint hydrogen sulfide	Faint sewage	0.0	0.0	0.1	0.6	5.6	30.7	48.0	15.1	24.7	2.436	Silt	92	210	302	
					2013/8/26	Sunny	31.9	0.3	26.6	5	Blackish brown	Medium sand	0.0	0.0	0.5	0.6	1.8	7.9	57.4	31.9	19.6	2.338	Silt	290	660	950	
					2013/11/14	Sunny	10.1	0.6	16.0	5	Faint hydrogen sulfide	None	0.0	1.3	2.1	5.5	36.4	45.1	3.2	6.5	67.8	2.728	Sand/silt	41	81	122	
					2014/1/16	Sunny	8.7	0.4	12.3	6	Faint hydrogen sulfide	None	0.0	18.6	13.1	11.1	34.7	18.5	2.0	2.1	74.7	2.760	Gravel/sand	8.6	16	24.6	
		Kanna River	Morito Bridge	Kanna Town	2013/5/31	Sunny	24.9	0.4	19.7	10	Olive brown	None	3.0	36.3	15.5	11.7	29.1	3.2	0.1	1.1	89.5	2.705	Sand/gravel	6.7	16	22.7	
					2013/11/13	Sunny	4.7	0.2	8.0	5	Gray	None	0.0	10.8	32.1	42.3	13.1	0.2	0.3	1.2	83.7	2.690	Gravel/sand	4.9	9.0	13.9	
					2013/5/31	Sunny	24.0	0.3	23.0	10	Olive black	None	0.0	2.7	29.5	56.7	9.3	0.2	0.8	0.7	85.0	2.686	Sand/gravel	1.8	3.5	5.3	
					2013/11/13	Sunny	4.2	0.5	7.4	6	Faint hydrogen sulfide	None	0.0	0.8	56.4	41.3	0.2	0.0	0.3	1.1	96.7	2.671	Gravel/sand	<0.94	2.2	2.2	
		Kannagawa Bridge	Kannagawa Town	2013/5/30	Cloudy	20.4	0.3	19.6	10	Yellowish brown	faint earth	0.0	33.9	30.9	18.2	14.3	1.3	0.2	1.2	78.7	2.695	Sand/gravel	6.2	9.6	15.8		
				2013/11/13	Sunny	10.0	0.3	12.0	6	Faint hydrogen sulfide	None	0.0	26.0	58.0	13.4	2.0	0.3	0.0	0.3	85.2	2.679	Gravel/sand	1.8	4.4	6.2		
				2013/6/7	Cloudy	22.6	0.3	19.3	5	Olive black	None	4.8	38.3	15.5	5.9	14.6	9.1	5.9	5.9	69.5	2.688	Sand/gravel	15	21	36		
				2013/11/13	Sunny	12.6	0.2	13.6	5	Olive yellow	None	0.0	0.6	1.6	2.2	35.5	29.2	11.4	19.5	68.2	2.716	Silt/sand	16	26	42		
		Tonegawa River	Bando-ohashi Bridge	Honjo City	2013/5/23	Sunny	25.3	0.2	18.1	10	Faint hydrogen sulfide	Medium sand	0.0	40.1	16.1	5.5	12.8	8.3	8.4	8.9	41.0	2.621	Sand/silt	64	160	224	
					2013/8/26	Sunny	31.6	0.4	26.4	3	Faint hydrogen sulfide	None	9.8	13.8	1.9	1.4	15.2	39.3	8.9	9.7	48.6	2.662	Sand/silt	67	170	237	
					2013/11/14	Sunny	14.6	0.4	12.6	5	Olive	None	0.0	3.8	2.4	3.1	53.4	29.0	3.0	5.1	78.5	2.780	Sand/silt	17	49	66	
					2014/1/16	Sunny	8.9	0.3	6.6	7	Dark brown	None	0.0	0.0	0.5	2.1	36.7	32.4	16.6	11.7	51.5	2.667	Silt/sand	15	38	53	

Gunma River (Sediment) 4/5

Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																Activity concentration (Bq/kg(dry))			Remarks																																						
No.	Water area	Location	Municipality					Secumment (°C)	Imple leng (cm)	Color	Odor	General items						Sediment content (%)				Density (g/cm ³)	Property																																										
												Coarse gravel	Medium grav	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Cs-134	Cs-137			Total																																									
33	Akagishirikawa River	In Shimohosoi Town	Mebashi City	2013/6/6	Sunny	23.7	0.4	18.1	10	Brown	faint earth	0.0	0.0	0.0	1.2	46.3	46.7	2.1	3.8	66.1	2.780	Sand/silt	17	46	63																																								
				2013/8/20	Cloudy	26.3	0.5	26.9	5	Blackish brown	None	0.0	1.4	0.9	3.2	43.5	41.0	4.1	6.0	72.4	2.719	Sand/silt	7.4	17	24.4																																								
				2013/11/16	Sunny	16.4	0.5	17.1	5	Faint hydrogen sulfide	None	0.0	0.0	0.3	2.8	64.8	29.6	0.7	1.9	75.2	2.816	Sand/silt	8.6	18	26.6																																								
				2014/1/10	Sunny	5.1	0.2	5.9	6	Faint hydrogen sulfide	None	0.0	14.0	4.3	8.8	59.5	10.2	0.1	3.2	76.2	2.850	Sand/silt	8.2	13	13																																								
				34	Momonoki River	Utsubo Bridge	Mebashi City	2013/6/3	Sunny	27.2	0.4	19.0	10	Blackish brown	Dark olive	0.0	29.3	11.3	10.3	35.0	11.2	0.9	2.0	85.9	2.930	Sand/gravel	5.1	7.0	12.1																																				
								2013/8/21	Cloudy	32.0	0.5	23.4	5	Blackish brown	None	0.0	0.0	0.1	3.6	86.4	7.8	0.3	1.7	72.3	2.767	Sand	6.6	16	22.6																																				
								2013/11/7	Cloudy	10.8	0.3	12.5	5	Brown	None	1.6	25.0	11.5	9.5	46.5	5.0	0.0	1.0	81.0	2.942	Sand/gravel	3.2	8.8	12.0																																				
								2014/1/10	Sunny	2.9	0.3	5.8	3	Faint hydrogen sulfide	None	0.0	18.1	5.4	6.9	51.4	15.8	0.2	2.3	80.4	2.907	Sand/gravel	<7.2	13	13																																				
								35	Arato River	Okuhara Bridge	Mebashi City	2013/6/3	Sunny	27.5	0.4	27.1	10	Blackish brown	None	0.0	3.1	4.8	12.1	56.8	20.3	1.1	1.9	78.6	2.856	Sand	4.7	8.9	13.6																																
												2013/8/21	Cloudy	31.0	0.2	25.5	6	Blackish brown	None	3.3	6.8	4.4	10.9	57.5	16.0	0.5	0.7	79.2	2.857	Sand/gravel	2.7	5.5	8.2																																
												2013/11/7	Light rain	11.6	0.4	11.7	5	Dim yellowish brown	None	4.7	22.3	7.3	6.9	27.9	13.1	9.2	8.6	51.9	2.739	Sand/silt	<8.4	26	26																																
												2014/1/10	Sunny	1.6	0.4	1.8	7	Faint hydrogen sulfide	None	0.0	0.7	2.1	11.2	62.5	17.4	3.1	3.1	74.5	2.778	Sand/gravel	<7.1	10	10																																
												36	Kasukawa River	Hozumi Bridge	Mebashi City	2013/5/23	Sunny	28.6	0.3	24.0	10	Grayish olive	faint earth	1.4	5.4	1.0	6.6	73.7	9.4	1.0	1.5	78.4	2.890	Sand/silt	10	21	31																												
																2013/8/26	Sunny	31.9	0.6	25.8	5	Faint hydrogen sulfide	Medium sand	1.2	0.2	0.6	5.4	66.1	15.5	3.8	7.2	31.0	2.721	Silt	96	190	286																												
																2013/11/14	Sunny	11.5	0.3	12.5	4	Faint hydrogen sulfide	None	2.1	6.3	1.0	22.2	65.3	1.3	0.2	1.5	76.2	2.689	Sand/gravel	5.8	15	20.8																												
																2014/1/16	Sunny	7.4	0.2	6.5	6	Gray	None	0.0	27.6	23.4	6.4	39.0	1.3	1.0	1.4	75.0	2.672	Sand/silt	10	19	29																												
																37	Hirose River	Nakajima Bridge	Ibesaki City	2013/5/23	Sunny	29.1	0.4	23.5	10	Dark olive brown	faint earth	8.7	41.5	13.0	6.6	13.9	7.6	4.4	4.5	78.0	2.751	Sand/silt	10.2	1.7	2.9																								
																				2013/8/26	Sunny	30.0	0.5	23.0	5	Faint hydrogen sulfide	Faint drain	0.0	0.7	5.2	17.1	61.7	13.7	0.2	1.3	76.4	2.720	Sand/silt	26	57	83																								
																				2013/11/14	Sunny	10.4	0.3	10.7	5	Grayish olive	None	0.0	0.0	1.3	11.8	70.6	13.0	1.3	2.2	77.3	2.798	Sand/gravel	14	43	57																								
																				2014/1/16	Sunny	7.2	0.2	4.5	7	Faint hydrogen sulfide	None	0.0	0.4	2.8	11.1	67.6	14.6	1.4	2.2	74.9	2.833	Sand/gravel	12	33	45																								
																				38	Hayakawa River	Hayakawa Bridge	Ibesaki City	2013/5/27	Sunny	26.3	0.3	18.9	10	Dark brown	faint earth	0.0	0.0	5.8	11.8	57.8	16.7	2.4	5.5	71.5	2.693	Sand/silt	53	120	173																				
																								2013/8/21	Cloudy	31.9	0.5	21.2	5	Blackish brown	None	0.0	17.5	17.6	22.2	37.7	3.3	0.6	1.0	76.5	2.811	Gravel/sand	28	54	82																				
																								2013/11/7	Light rain	10.2	0.6	13.0	5	Olive black	None	0.0	9.6	19.1	27.5	36.3	4.6	1.7	1.2	72.9	2.701	Gravel/sand	10	15	25																				
																								2014/1/10	Sunny	-1.9	0.3	1.4	5	Blackish brown	None	0.0	7.9	5.1	8.1	62.8	11.5	1.9	2.8	71.6	2.698	Sand/gravel	31	64	95																				
																								39	Hayakawa River	Maejima Bridge	Ota City	2013/5/23	Sunny	27.8	0.5	24.9	10	Blackish brown	None	0.0	0.0	3.6	12.9	72.3	9.9	0.5	0.8	78.3	2.891	Sand	26	44	70																
																												2013/8/26	Sunny	27.1	0.3	22.5	5	Faint hydrogen sulfide	Faint drain	0.0	0.6	0.4	2.5	50.4	23.9	16.4	5.9	72.8	2.744	Sand/silt	49	120	169																
																												2013/11/14	Sunny	10.1	0.2	9.9	6	Faint hydrogen sulfide	None	0.2	3.0	10.1	14.1	62.6	6.3	2.4	1.4	67.2	2.758	Sand/gravel	19	48	67																
																												2014/1/16	Sunny	5.2	0.4	3.9	8	Blackish brown	None	0.0	1.4	1.8	6.6	79.3	7.5	1.2	2.3	73.0	2.854	Silt/sand	17	39	56																
																												40	Tonegawa River	Tone-ozeki Weir	Chiyoda Town / Gyoda City	2013/5/22	Sunny	22.4	0.2	20.0	5	Dim yellowish orange	Dark olive	0.0	0.0	0.6	0.4	28.6	64.7	0.3	5.4	76.3	2.731	Sand	20	39	59												
																																2013/6/21	Cloudy	25.1	0.8	20.9	4	Olive black	None	0.0	13.8	3.1	1.6	23.8	53.1	1.4	3.4	72.7	2.718	Sand/gravel	27	48	75												
																																2013/7/17	Light rain	21.0	1.2	22.0	1	Gray	None	0.0	4.2	22.0	12.3	38.1	19.6	0.9	3.0	81.3	2.769	Gravel/sand	16	34	50												
																																2013/8/26	Sunny	21.1	0.4	22.0	5	Faint hydrogen sulfide	Faint drain	0.0	0.6	0.3	1.0	25.2	70.6	0.6	1.7	69.0	2.721	Sand/silt	36	59	95												
																																41	Koguro River	Kayano Bridge	Chiyoda Town / Gyoda City	2013/9/30	Sunny	30.0	0.4	21.8	5	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.1	0.7	24.9	52.3	22.0	41.3	2.490	Silt/sand	130	270	400								
																																				2013/11/14	Sunny	8.7	0.5	9.2	6	Black	None	0.0	0.6	0.3	0.4	9.7	64.7	14.8	9.6	68.9	2.694	Sand/silt	52	120	172								
																																				2014/1/16	Sunny	6.2	0.3	4.4	7	Faint hydrogen sulfide	None	0.0	0.0	0.1	0.1	13.9	75.6	3.2	7.1	72.3	2.727	Sand/silt	<9.4	28	28								
																																				2013/5/28	Cloudy	18.4	0.4	13.2	10	Brown	None	0.0	0.0	12.0	33.2	34.9	9.2	5.3	5.5	70.2	2.661	Sand	100	230	330								
																																				42	Watarase River	Tatsukado	Kiryu City	2013/6/21	Cloudy	16.1	0.6	14.0	5	Blackish brown	None	0.0	4.8	46.6	26.9	15.5	3.7	1.1	1.5	73.8	2.705	Gravel/sand	53	90	143				
																																								2013/7/17	Cloudy	25.0	0.3	15.7	2	Dim yellowish orange	None	2.7	9.9	33.2	20.4	25.1	6.3	1.0	1.5	74.9	2.785	Gravel/sand	47	110	157				
																																								2013/8/7	Sunny	26.5	0.8	18.1	10	Yellowish brown	None	1.4	43.7	26.2	14.7	11.3	0.7	0.4	1.7	75.9	2.767	Sand/gravel	35	78	113				
																																								2013/9/24	Sunny	21.1	0.6	14.9	5	Grayish olive	None	1.3	13.2	24.6	36.6	21.3	1.7	0.2	1.2	75.4	2.837	Gravel/sand	14	34	48				
																																								43	Watarase River	Intake for Akatwayosai water channel	Kiryu City	2013/11/5	Sunny	12.3	0.9	9.0	5	Blackish brown	None	0.0	2.9	9.5	27.2	51.8	4.5	1.1	3.0	69.5	2.756	Sand/gravel	29	61	90
																																												2014/1/17	Sunny	-2.9	0.1	1.2	5	Grayish olive	None	0.0	11.4	26.8	34.8	22.4	2.3	0.2	2.3	76.2	2.157	Gravel/sand	27	60	87
2013/5/28	Cloudy	24.6	0.7																																									16.0	10	Blackish brown	None	0.0	0.0	0.1	4.0	74.7	18.3	0.5	2.5	75.9	2.750	Sand	23	42	65				
2013/8/8	Sunny	31.0	0.8																																									22.5	10	Olive brown	None	0.0	0.0	0.3	5.2	77.0	14.4	0.1	3.1	71.1	2.730	Sand	17	44	61				
44	Tatara River	Ejiri Bridge	Oura Town																																									2013/11/8	Sunny	16.9	0.8	13.5	5	Blackish brown	None	0.9	6.2	2.1	14.3	64.7	9.2	1.1	1.4	78.6	2.802	Sand/gravel	11	25	36
																																												2014/1/17	Sunny	3.4	0.3	3.0	7	Faint hydrogen sulfide	None	0.0	1.1	0.4	5.5	69.7	21.5	0.3	1.5	73.6	2.779	Sand	31	58	89
				2013/5/28	Cloudy	24.8	0.4																																					17.5	10	Dark grayish yellow	None	0.0	12.1	9.1	12.7	56.9	8.6	0.3	0.4	80.5	2.742	Sand/gravel	22	56	78				
				2013/6/21	Cloudy	20.8	0.5																																					15.2	5	Olive black	None	0.0	1.0	14.6	15.2	54.7	11.1	0.2	3.2	76.9	2.714	Sand/gravel	29	36	65				

Gunma River (Sediment) 5/5

R i v e r s	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																	Remarks				
	No.	Water area		Location					Municipality	Sediment (°C)	Sample length (cm)	Color	Odor	General items										Activity concentration (Bq/kg(dry))						
														Grain size distribution(%)										Sediment content (%)	Density (g/cm ³)		Property	Radioactive cesium		
														Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Cs-134	Cs-137					Total		
45	Tonegawa River System	Watarase River Area	Kiryu River	Kannon Bridge	Kiryu City	2013/5/27	Sunny	25.4	0.3	18.5	10	Dark reddish brown	None	0.0	28.5	29.1	23.1	17.3	1.2	0.2	0.6	77.4	2.714	Sand	44	87	131			
						2013/8/8	Sunny	32.5	0.5	22.0	10	Dark olive brown	None	11.3	6.8	3.2	8.2	42.5	23.4	1.3	3.2	75.1	2.752	Sand	39	71	110			
						2013/11/8	Sunny	20.8	0.4	13.7	4	Dark brown	None	0.0	38.9	34.0	12.8	11.9	1.9	0.1	0.5	80.5	2.714	Sand/gravel	28	66	94			
						2014/1/7	Sunny	7.0	0.3	3.8	7	Dim yellowish orange	None	0.0	3.1	2.4	11.4	60.1	19.3	0.6	2.2	75.2	2.793	Sand/gravel	36	71	107			
						2013/5/27	Sunny	27.1	0.3	23.7	10	Blackish brown	faint earth	0.0	43.6	33.2	15.8	6.7	0.5	0.0	0.2	81.8	2.696	Sand	27	49	76			
						2013/8/8	Sunny	25.3	0.6	21.3	10	Dark brown	None	0.0	1.6	12.6	33.9	43.6	6.5	0.5	1.3	76.4	2.648	Sand/gravel	41	94	135			
	46	Tonegawa River System	Watarase River Area	Kiryu River	Sakai Bridge	Kiryu City	2013/11/8	Sunny	11.5	0.4	12.2	5	Dark brown	None	0.0	13.6	13.1	14.7	48.6	7.2	1.0	1.9	80.7	2.752	Sand/gravel	52	100	152		
							2014/1/20	Cloudy	0.6	0.4	1.2	6	Faint hydrogen sulfide	None	0.0	4.0	3.4	14.9	67.0	7.0	0.7	3.0	74.4	2.752	Gravel/sand	28	60	88		
							2013/5/22	Sunny	29.4	1.2	27.8	10	Faint hydrogen sulfide	None	0.0	1.1	1.5	1.6	3.0	3.2	49.1	40.7	25.7	2.510	Silt	130	340	470		
							2013/8/5	Cloudy	29.1	1.1	28.2	10	Black	None	0.0	8.8	1.4	1.1	1.2	2.9	55.1	29.5	29.3	2.306	Silt	160	350	510		
							2013/11/6	Sunny	15.6	1.2	14.7	4	Faint hydrogen sulfide	None	0.0	0.2	0.0	0.2	0.6	4.3	67.6	27.1	20.0	3.280	Silt	460	1,100	1,560		
							2014/1/20	Cloudy	7.2	0.4	6.2	5	Faint hydrogen sulfide	None	2.5	48.8	35.9	8.8	3.0	0.5	0.0	0.5	80.3	2.694	Gravel/sand	26	66	92		
47	Tonegawa River System	Watarase River Area	Tsurunda River	Lake Jonuma	Tachiyashi City	2013/5/22	Sunny	21.9	1.7	20.7	10	Faint hydrogen sulfide	None	0.0	1.0	2.5	9.4	65.7	7.0	3.8	10.7	62.3	2.619	Sand/silt	40	84	124			
						2013/8/5	Cloudy	27.0	1.8	25.4	10	Gray	None	0.0	3.0	5.6	18.2	60.9	7.1	1.2	4.0	72.2	2.671	Sand/gravel	17	35	52			
						2013/11/6	Sunny	10.2	0.5	14.5	5	Faint hydrogen sulfide	None	0.0	0.0	0.2	1.8	19.6	29.7	24.1	24.6	30.2	2.509	Silt	180	370	550			
						2014/1/20	Cloudy	7.1	0.8	5.9	4	Faint hydrogen sulfide	None	0.0	6.1	9.6	20.3	53.5	5.2	1.7	3.7	77.3	2.722	Gravel/sand	<9.6	28	28			
						2013/8/5	Cloudy	27.0	1.8	25.4	10	Gray	None	0.0	3.0	5.6	18.2	60.9	7.1	1.2	4.0	72.2	2.671	Sand/gravel	17	35	52			
						2013/11/6	Sunny	10.2	0.5	14.5	5	Faint hydrogen sulfide	None	0.0	0.0	0.2	1.8	19.6	29.7	24.1	24.6	30.2	2.509	Silt	180	370	550			
48	Tonegawa River System	Watarase River Area	Yatagawa River	Togoda Bridge	Tachiyashi City	2013/11/6	Sunny	10.2	0.5	14.5	5	Faint hydrogen sulfide	None	0.0	0.0	0.2	1.8	19.6	29.7	24.1	24.6	30.2	2.509	Silt	180	370	550			
						2014/1/20	Cloudy	7.1	0.8	5.9	4	Faint hydrogen sulfide	None	0.0	6.1	9.6	20.3	53.5	5.2	1.7	3.7	77.3	2.722	Gravel/sand	<9.6	28	28			

Gunma River (Surrounding Environment) 1/5

Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment (Soil, Air dose)															Remarks			
							Left bank			Right bank			Air Dose (µSv/h)	Left bank			Right bank			Air Dose (µSv/h)					
							Color	Odor	Property	Activity concentration [Bq/kg(dry)]				Color	Odor	Property	Activity concentration [Bq/kg(dry)]								
										Radioactive cesium							Radioactive cesium								
No.	Water area	Location	Municipality	Cs-134	Cs-137	Total	Cs-134	Cs-137	Total	Remarks															
R i v e r s	Tonogawa River System	Tonogawa River	Hirose Bridge	Minakami Town	2013/6/28	Cloudy	22.1	Dim yellowish brown	faint earth	Loamy	1,200	2,300	3,500	0.23	Dim yellowish brown	faint earth	Loamy	740	1,500	2,240	0.21				
					2013/8/28	Sunny	26.4	Blackish brown	faint earth	Loamy	1,100	2,500	3,600	0.21	Brown	faint earth	Loamy	490	1,000	1,490	0.21				
					2013/11/15	Cloudy	6.0	Brownish gray	faint earth	Loamy	740	1,800	2,540	0.23	Brownish gray	faint earth	Loamy	390	980	1,370	0.21				
					2014/1/8	Sunny	-8.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow
					2013/6/5	Sunny	23.8	Blackish brown	faint earth	Loamy	130	270	400	0.11	Dark grayish yellow	faint earth	Loamy	370	700	1,070	0.09				
			2	Tsukiyou Bridge	Minakami Town	2013/6/25	Sunny	20.5	Black	faint earth	Loamy	190	390	580	0.12	Black	faint earth	Loamy	170	320	490	0.10			
						2013/7/18	Sunny	22.0	Blackish brown	faint earth	Loamy	140	310	450	0.10	Blackish brown	faint earth	Loamy	500	1,000	1,500	0.09			
						2013/8/28	Sunny	18.2	Black	faint earth	Loamy	170	340	510	0.12	Black	faint earth	Loamy	430	1,000	1,430	0.11			
						2013/9/29	Sunny	22.6	Black	faint earth	Loamy	230	540	770	0.13	Blackish brown	faint earth	Loamy	630	1,400	2,030	0.10			
						2013/11/6	Sunny	7.9	Blackish brown	faint earth	Loamy	120	300	420	0.11	Blackish brown	faint earth	Loamy	380	870	1,250	0.10			
		3	Akaya River	Koode Bridge	Kawaba Village	2014/1/8	Sunny	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow	
						2013/6/5	Sunny	21.8	Dim yellowish brown	faint earth	Loamy	32	60	92	0.11	Dark grayish yellow	faint earth	Loamy	110	220	330	0.08			
						2013/8/28	Sunny	23.2	Blackish brown	faint earth	Loamy	31	71	102	0.09	Blackish brown	faint earth	Loamy	89	210	299	0.09			
						2013/11/6	Sunny	6.7	Dark grayish yellow	faint earth	Sandy	31	85	116	0.09	Blackish brown	faint earth	Loamy	110	270	380	0.08			
						2014/1/8	Sunny	2.6	Dark grayish yellow	faint earth	Sandy	43	110	153	0.09	-	-	-	-	-	-	-	-	-	(Right bank) Unable to collect samples
		4	Sakura River	In Oozaya Yachi	Kawaba Village	2013/6/5	Sunny	22.4	Brown	faint earth	Loamy	1,400	2,800	4,200	0.28	Dim yellowish brown	faint earth	Loamy	1,000	1,900	2,900	0.26			
						2013/6/24	Sunny	23.3	Blackish brown	faint earth	Loamy	2,600	5,300	7,900	0.31	Blackish brown	faint earth	Loamy	2,400	5,100	7,500	0.26			
						2013/7/18	Sunny	24.0	Dark brown	faint earth	Loamy	1,500	3,100	4,600	0.27	Dark brown	faint earth	Loamy	2,300	5,000	7,300	0.20			
						2013/8/16	Sunny	26.3	Dim yellowish brown	faint earth	Loamy	900	1,900	2,800	0.29	Brown	faint earth	Loamy	760	1,700	2,460	0.27			
						2013/9/25	Cloudy	17.0	Black	faint earth	Loamy	3,400	8,000	11,400	0.23	Blackish brown	faint earth	Loamy	2,800	6,000	8,800	0.25			
		5	Tonogawa River	Kiritaki Bridge	Katashina Village	2013/11/5	Sunny	16.2	Black	faint earth	Loamy	1,400	3,200	4,600	0.25	Black	faint earth	Loamy	2,200	5,300	7,500	0.24			
						2014/1/7	Sunny	-4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow
						2013/6/24	Sunny	23.1	Blackish brown	faint earth	Loamy	210	440	650	0.11	Blackish brown	faint earth	Loamy	390	790	1,180	0.11			
						2013/8/13	Cloudy	24.8	Dim yellowish brown	faint earth	Sandy	210	490	700	0.09	Dim yellowish brown	faint earth	Loamy	240	520	760	0.10			
						2013/11/5	Sunny	10.2	Dark reddish gray	faint earth	Loamy	200	420	620	0.10	Blackish brown	faint earth	Loamy	640	1,500	2,140	0.10			
		6	Tonogawa River	Tonemachikatayata	Numata City	2014/1/7	Sunny	-7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow	
						2013/6/5	Sunny	25.1	Grayish yellow	None	Sandy	17	30	47	0.10	Olive black	faint earth	Sandy	42	97	139	0.10			
						2013/6/25	Sunny	22.0	Dark grayish yellow	faint earth	Sandy	9.6	27	36.6	0.08	Dim yellowish brown	faint earth	Sandy	39	85	124	0.11			
						2013/7/18	Sunny	26.0	Dim yellowish brown	faint earth	Sandy	39	74	113	0.08	Dim yellowish brown	faint earth	Sandy	49	98	147	0.10			
						2013/8/16	Sunny	23.6	Olive yellow	faint earth	Sandy	29	65	94	0.10	Dim yellowish brown	Dim yellow	Loamy	51	82	133	0.11			
		7	Tonogawa River	Putae Bridge	Numata City	2013/9/25	Cloudy	17.2	Grayish olive	Faint mold	Sandy	6.7	16	22.7	0.09	Grayish olive	Faint mold	Sandy	9.0	29	38.0	0.10			
						2013/11/5	Sunny	15.8	Olive brown	faint earth	Sandy	14	20	34	0.08	Olive black	faint earth	Sandy	37	67	104	0.10			
						2014/1/7	Sunny	-2.4	Grayish olive	faint earth	Sandy	<7.6	14	14	0.09	Olive brown	faint earth	Sandy	23	54	77	0.09			
						2013/6/5	Sunny	20.2	Brown	faint earth	Loamy	340	650	990	0.10	Brown	faint earth	Loamy	260	540	800	0.11			
						2013/6/25	Sunny	21.5	Black	faint earth	Loamy	590	1,100	1,690	0.10	Blackish brown	faint earth	Loamy	280	560	840	0.11			
		8	Agatsuma River	Shinto Bridge	Naganohara Town	2013/7/18	Sunny	23.5	Dim yellowish brown	faint earth	Loamy	790	1,800	2,590	0.08	Dark brown	faint earth	Loamy	230	460	690	0.08			
						2013/8/16	Sunny	29.8	Dim yellowish brown	faint earth	Loamy	380	840	1,220	0.09	Yellowish brown	faint earth	Loamy	190	420	610	0.08			
						2013/9/25	Cloudy	25.1	Blackish brown	faint earth	Loamy	560	1,200	1,760	0.09	Blackish brown	faint earth	Loamy	400	870	1,270	0.10			
						2013/11/5	Sunny	17.1	Blackish brown	faint earth	Loamy	520	1,200	1,720	0.09	Blackish brown	faint earth	Loamy	180	420	600	0.09			
						2014/1/7	Sunny	3.1	Blackish brown	faint earth	Loamy	630	1,500	2,130	0.10	-	-	-	-	-	-	-	-	-	(Right bank) Unable to collect samples
9	Shirasuna River	Shuttatsu Bridge	Nakanosjo Town	2013/6/12	Cloudy	19.4	Blackish brown	faint earth	Loamy	260	550	810	0.08	Dark brown	faint earth	Loamy	240	500	740	0.08					
				2013/8/20	Cloudy	28.1	Dim yellowish brown	faint earth	Loamy	210	490	700	0.08	Dim yellowish brown	faint earth	Loamy	310	610	920	0.07					
				2013/11/8	Sunny	7.4	Blackish brown	faint earth	Loamy	190	510	700	0.07	Blackish brown	faint earth	Loamy	70	160	230	0.07					
				2014/1/9	Sunny	-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow		
				2013/6/12	Cloudy	20.3	Blackish brown	faint earth	Loamy	100	230	330	0.07	Brown	faint earth	Loamy	280	640	920	0.08					
2013/8/20	Cloudy	25.1	Reddish brown	faint earth	Loamy	74	150	224	0.08	Dim yellowish brown	faint earth	Loamy	290	590	880	0.07									
2013/11/8	Sunny	8.9	Blackish brown	faint earth	Loamy	99	280	379	0.06	Blackish brown	faint earth	Loamy	520	1,100	1,620	0.07									
2014/1/9	Sunny	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow					

Gunma River (Surrounding Environment) 2/5

Location						Sampling Date	Weather	Air temperature (°C)	Surrounding Environment (Soil, Air dose)														Remarks
No.	Water area	Location	Municipality	Left bank					Left bank					Right bank					Air Dose (µSv/h)				
				Color	Odor				Property	Activity concentration [Bq/kg(dry)]			Air Dose (µSv/h)	Color	Odor	Property	Activity concentration [Bq/kg(dry)]						
										Radioactive cesium							Radioactive cesium						
			Cs-134	Cs-137	Total				Cs-134	Cs-137	Total												
R i v e r s	10	Agatsuma River	Downstream of Azuma Bridge	Hijashi Agatsuma Town	2013/5/28	Cloudy	17.9	Dark brown	faint earth	Loamy	90	170	260	0.09	Blackish brown	faint earth	Loamy	190	420	610	0.07		
					2013/6/11	Cloudy	17.8	Dim yellowish brown	faint earth	Loamy	910	2,000	2,910	0.27	Brown	faint earth	Loamy	220	510	730	0.08		
					2013/7/19	Sunny	19.0	Dim reddish brown	None	Loamy	43	120	163	0.07	Brown	faint earth	Loamy	650	1,400	2,050	0.08		
					2013/8/20	Sunny	25.2	Blackish brown	faint earth	Sandy	15	40	55	0.05	Dark brown	faint earth	Loamy	390	840	1,230	0.08		
					2013/9/26	Sunny	21.6	Olive brown	faint earth	Sandy	6.1	15	21.1	0.05	Black	faint earth	Loamy	410	930	1,340	0.08		
					2013/1/8	Sunny	18.1	Olive brown	faint earth	Sandy	5.2	10	15.2	0.06	Blackish brown	faint earth	Loamy	380	930	1,310	0.06		
	11	Nakuta River	Tonoda Bridge	Takayama Village	2014/1/9	Sunny	7.6	Grayish olive	faint earth	Sandy	7.7	13	20.7	0.05	Blackish brown	faint earth	Loamy	160	390	550	0.07		
					2013/6/25	Sunny	25.4	Dark brown	faint earth	Loamy	170	320	490	0.08	Dark brown	faint earth	Loamy	78	180	258	0.04		
					2013/8/20	Cloudy	30.8	Dark grayish yellow	faint earth	Loamy	67	160	227	0.08	Dark brown	faint earth	Loamy	150	330	480	0.06		
					2013/11/7	Sunny	20.1	Blackish brown	faint earth	Loamy	210	470	680	0.08	Blackish brown	faint earth	Loamy	90	260	350	0.05		
					2014/1/9	Sunny	6.9	Blackish brown	faint earth	Loamy	220	570	790	0.05	Blackish brown	faint earth	Loamy	64	200	264	0.05		
					2013/5/28	Cloudy	21.0	Dim yellowish brown	faint earth	Loamy	150	280	430	0.08	Blackish brown	faint earth	Loamy	280	850	830	0.09		
	12	Agatsuma River	Agatsuma Bridge	Shibukawa City	2013/6/11	Cloudy	20.6	Dim yellowish orange	faint earth	Loamy	250	510	760	0.08	Dim yellowish brown	faint earth	Loamy	550	1,200	1,750	0.09		
					2013/7/19	Sunny	26.2	Dark brown	faint earth	Loamy	580	1,200	1,780	0.09	Dark brown	faint earth	Loamy	720	1,600	2,320	0.08		
					2013/8/28	Sunny	29.2	Dark brown	faint earth	Loamy	310	770	1,080	0.08	Blackish brown	faint earth	Loamy	480	1,000	1,480	0.04		
					2013/9/29	Sunny	28.1	Blackish brown	Dim yellow	Loamy	340	730	1,070	0.08	Reddish black	faint earth	Loamy	490	1,000	1,490	0.08		
					2013/1/6	Sunny	16.2	Dark brown	faint earth	Loamy	240	620	860	0.07	Blackish brown	faint earth	Loamy	290	660	950	0.08		
					2014/1/8	Sunny	4.4	Blackish brown	faint earth	Loamy	190	460	650	0.08	Black	faint earth	Loamy	440	1,100	1,540	0.09		
	13	Tonegawa River	Tonegawa River	Taisho Bridge	Shibukawa City	2013/5/28	Cloudy	23.4	Dim yellowish brown	faint earth	Loamy	230	460	690	0.10	Brown	faint earth	Loamy	160	330	490	0.07	
						2013/6/11	Cloudy	21.1	Dim yellowish brown	faint earth	Loamy	250	510	760	0.07	Blackish brown	None	Loamy	190	410	600	0.08	
						2013/7/19	Sunny	27.0	Dark brown	None	Loamy	440	970	1,410	0.06	Dark brown	faint earth	Loamy	580	1,200	1,780	0.07	
						2013/8/28	Sunny	30.6	Dark brown	faint earth	Loamy	180	380	560	0.07	Dark brown	faint earth	Loamy	1,200	2,600	3,800	0.08	
						2013/9/29	Sunny	28.0	Blackish brown	faint earth	Loamy	950	2,000	2,950	0.09	Blackish brown	faint earth	Loamy	800	1,800	2,600	0.07	
						2013/1/5	Sunny	18.1	Blackish brown	faint earth	Loamy	390	970	1,360	0.08	Dark brown	faint earth	Loamy	910	2,100	3,010	0.07	
	14	Takizawa River	Shintakizawa Bridge	Shibukawa City	Yoshioka Town	2014/1/8	Cloudy	10.1	Black	faint earth	Loamy	200	490	690	0.07	Blackish brown	faint earth	Loamy	1,400	3,600	5,000	0.08	
						2013/6/6	Sunny	23.4	Dim yellowish orange	faint earth	Loamy	280	490	770	0.06	Dim yellowish orange	faint earth	Loamy	80	150	230	0.06	
						2013/8/27	Sunny	31.9	Dark reddish brown	faint earth	Loamy	240	570	810	0.05	Dark reddish brown	faint earth	Loamy	57	130	187	0.05	
						2013/1/6	Sunny	18.6	Brown	faint earth	Loamy	69	140	209	0.06	Dark brown	faint earth	Loamy	81	160	241	0.05	
						2014/1/8	Cloudy	11.0	Blackish brown	faint earth	Loamy	140	330	470	0.06	Blackish brown	faint earth	Loamy	100	240	340	0.06	
						2013/6/6	Sunny	21.6	Dim yellowish orange	faint earth	Loamy	28	57	85	0.04	Dim yellowish orange	faint earth	Loamy	66	140	206	0.07	
	15	Tonegawa River	Gunma-ohashi Bridge	Maebashi City	2013/8/22	Cloudy	26.4	Dark brown	faint earth	Loamy	20	45	65	0.05	Dark brown	faint earth	Loamy	100	250	350	0.04		
					2013/11/11	Sunny	14.2	Dark brown	faint earth	Loamy	18	51	69	0.09	Dark grayish yellow	faint earth	Loamy	54	120	174	0.06		
					2014/1/14	Sunny	5.4	Brown	faint earth	Loamy	27	60	87	0.05	Olive black	faint earth	Loamy	67	150	217	0.05		
2013/6/4					Sunny	29.4	Dark grayish yellow	faint earth	Loamy	33	89	122	0.05	Dark grayish yellow	faint earth	Loamy	37	66	103	0.06			
2013/8/21					Light rain	26.9	Dark brown	faint earth	Loamy	45	100	145	0.06	Brown	faint earth	Loamy	42	97	139	0.06			
2013/1/7					Cloudy	10.0	Blackish brown	faint earth	Loamy	100	230	330	0.06	Blackish brown	faint earth	Loamy	63	140	203	0.07			
16	Nagai River	Kamigonda Bridge	Takasaki City	2014/1/10	Sunny	1.9	Dark brown	faint earth	Loamy	59	140	199	0.05	Dark brown	faint earth	Loamy	39	94	133	0.07			
				2013/6/7	Cloudy	23.8	Dim yellowish brown	faint earth	Loamy	330	680	1,010	0.10	Brown	faint earth	Loamy	310	630	940	0.14			
				2013/8/22	Sunny	31.9	Blackish brown	faint earth	Loamy	210	470	680	0.07	Black	faint earth	Loamy	260	590	850	0.14			
				2013/1/11	Sunny	5.5	Blackish brown	faint earth	Loamy	290	660	950	0.09	Blackish brown	None	Loamy	500	1,200	1,700	0.14			
				2014/1/14	Sunny	-1.2	Faint hydrogen sulfide	faint earth	Loamy	510	1,200	1,710	0.06	Dark grayish yellow	faint earth	Loamy	320	810	1,130	0.12			
				2013/6/7	Sunny	24.2	Brown	faint earth	Loamy	310	650	960	0.10	Dim yellowish brown	faint earth	Sandy	180	340	520	0.12			
18	Karasu River	Karasugawa Bridge	Takasaki City	2013/8/22	Sunny	32.1	Black	faint earth	Loamy	300	650	950	0.08	Blackish brown	faint earth	Loamy	180	410	590	0.09			
				2013/11/11	Sunny	6.9	Blackish brown	faint earth	Loamy	180	450	630	0.05	Blackish brown	faint earth	Loamy	160	400	560	0.08			
				2014/1/14	Sunny	-1.4	Dim yellowish orange	faint earth	Loamy	260	670	930	0.08	Grayish olive	faint earth	Loamy	21	48	69	0.08			
				2013/6/4	Sunny	26.4	Grayish yellow	faint earth	Loamy	400	810	1,210	0.15	Blackish brown	faint earth	Loamy	340	750	1,090	0.12			
				2013/8/22	Cloudy	31.4	Dark brown	faint earth	Loamy	280	560	840	0.12	Dark brown	faint earth	Loamy	430	850	1,280	0.06			
				2013/11/12	Sunny	7.9	Brown	faint earth	Loamy	240	540	780	0.09	Blackish brown	faint earth	Loamy	210	500	710	0.06			
19	Usai River	Nakase Bridge	Annaka City	2014/1/15	Cloudy	6.9	Grayish olive	faint earth	Sandy	54	120	174	0.09	Faint hydrogen sulfide	faint earth	Loamy	300	770	1,070	0.13			

Gunma River (Surrounding Environment) 3/5

No.	Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment (Soil, Air dose)														Remarks	
	Water area	Location	Municipality	Left bank						Right bank													
				Color				Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (µSv/h)	Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (µSv/h)			
										Radioactive cesium							Radioactive cesium						
			Cs-134	Cs-137	Total				Cs-134	Cs-137	Total												
R i v e r s	Tonegawa River System	Karasu River	Usui River	Hanataka Bridge	Takasaki City	2013/6/6	Sunny	24.8	Brown	faint earth	Loamy	84	170	254	0.06	Brown	faint earth	Loamy	130	270	400	0.09	
						2013/8/22	Sunny	29.6	Dark brown	faint earth	Loamy	220	500	720	0.06	Blackish brown	faint earth	Loamy	220	550	770	0.06	
						2013/11/11	Cloudy	16.2	Dim yellowish brown	faint earth	Loamy	77	210	287	0.06	Dark brown	faint earth	Loamy	250	630	880	0.08	
			21	Kabura River	Tadakawa Bridge	Shimonita Town	2014/1/14	Sunny	8.3	Dim yellowish orange	faint earth	Loamy	160	350	510	0.05	Blackish brown	faint earth	Loamy	120	310	430	0.06
							2013/5/30	Cloudy	19.5	Faint fish	faint earth	Loamy	88	170	258	0.11	Brown	faint earth	Loamy	160	330	490	0.13
							2013/8/23	Cloudy	27.3	Dim yellowish brown	faint earth	Loamy	170	390	560	0.10	Dim yellowish brown	faint earth	Sandy	21	42	63	0.08
			22	Kaburagawa Bridge	Ebanoji City/Fujikawa City	2013/11/12	Sunny	4.4	Brown	faint earth	Loamy	200	510	710	0.10	Dark brown	faint earth	Sandy	14	31	45	0.10	
						2014/1/15	Cloudy	2.2	Dim yellowish orange	faint earth	Loamy	140	310	450	0.08	Yellowish brown	faint earth	Sandy	8.2	15	23.2	0.07	
						2013/5/29	Cloudy	19.7	Grayish olive	None	Sandy	53	110	163	0.06	Dim yellowish brown	faint earth	Sandy	20	57	77	0.05	
						2013/8/21	Cloudy	30.1	Dim yellowish brown	faint earth	Loamy	36	91	127	0.03	Dim yellowish brown	faint earth	Loamy	70	140	210	0.04	
						2013/11/12	Sunny	13.9	Dim yellowish brown	faint earth	Loamy	38	80	118	0.08	Dark brown	faint earth	Loamy	39	89	128	0.06	
						2014/1/15	Sunny	9.1	Olive brown	faint earth	Loamy	29	96	125	0.04	Olive black	faint earth	Loamy	6.0	23	29.0	0.05	
			23	Ogawa River	Kinzan Bridge	Kanra Town	2013/5/30	Cloudy	18.4	Dim brown	faint earth	Loamy	54	110	164	0.07	Dark grayish yellow	faint earth	Loamy	240	450	690	0.07
							2013/8/23	Cloudy	27.6	Dark grayish yellow	faint earth	Loamy	45	130	175	0.07	Dark grayish yellow	faint earth	Loamy	92	200	292	0.09
							2013/11/12	Sunny	10.2	Blackish brown	faint earth	Loamy	79	190	269	0.12	Blackish brown	faint earth	Loamy	140	340	480	0.10
			24	Nanmoku River	Ozawa Bridge	Nanmoku Village	2014/1/15	Cloudy	8.8	Faint hydrogen sulfide	faint earth	Loamy	24	78	102	0.07	Faint hydrogen sulfide	faint earth	Loamy	89	210	299	0.06
							2013/5/30	Cloudy	20.5	Light reddish brown	Faint grass	Loamy	250	540	790	0.07	Dark reddish brown	faint earth	Loamy	240	520	760	0.09
							2013/8/15	Sunny	33.0	Yellowish brown	faint earth	Sandy	750	1,600	2,350	0.08	Yellowish brown	faint earth	Sandy	500	990	1,490	0.09
							2013/11/12	Sunny	4.2	Blackish brown	faint earth	Loamy	310	780	1,090	0.09	Blackish brown	faint earth	Loamy	220	490	710	0.07
							2014/1/15	Cloudy	-1.2	Brown	faint earth	Loamy	59	160	219	0.08	Blackish brown	faint earth	Loamy	380	1,000	1,380	0.09
							2013/6/6	Sunny	24.0	Dim yellowish brown	faint earth	Loamy	78	160	238	0.05	Dim yellowish brown	faint earth	Loamy	92	200	292	0.05
							2013/8/20	Cloudy	29.3	Dim yellowish brown	faint earth	Loamy	73	160	233	0.05	Dim yellowish brown	faint earth	Loamy	120	270	390	0.05
							2013/11/11	Sunny	11.8	Blackish brown	faint earth	Loamy	87	180	267	0.05	Dark brown	faint earth	Loamy	89	210	299	0.13
							2014/1/14	Sunny	3.2	Dark grayish yellow	faint earth	Loamy	210	430	640	0.05	Dim yellowish orange	faint earth	Loamy	99	220	319	0.04
			25	Someya River	Yakushi Bridge	Shinto Village	2013/6/4	Sunny	28.6	Dark grayish yellow	faint earth	Loamy	29	56	85	0.05	Blackish brown	faint earth	Loamy	86	160	246	0.07
							2013/8/21	Cloudy	25.9	Dim yellowish brown	faint earth	Loamy	22	56	78	0.05	Dim yellowish brown	faint earth	Loamy	64	180	244	0.07
							2013/11/7	Cloudy	14.9	Blackish brown	faint earth	Loamy	32	86	118	0.05	Blackish brown	faint earth	Loamy	110	260	370	0.07
			26	Inogawa River	Kamakura Bridge	Takasaki City	2014/1/10	Sunny	4.9	Blackish brown	faint earth	Loamy	25	71	96	0.05	Black	faint earth	Loamy	45	99	144	0.06
							2013/5/29	Cloudy	20.0	Dim yellowish brown	None	Sandy	260	550	790	0.05	Dim yellowish brown	None	Sandy	73	140	213	0.06
							2013/8/20	Sunny	31.9	Brown	faint earth	Loamy	54	150	204	0.05	Blackish brown	faint earth	Loamy	41	110	151	0.05
			27	Karasu River	Iwakura Bridge	Takasaki City/Tanamura Town	2013/11/14	Sunny	10.1	Brown	faint earth	Loamy	46	120	166	0.04	Dark brown	faint earth	Loamy	38	100	138	0.06
							2014/1/16	Sunny	8.7	Olive brown	faint earth	Loamy	57	130	187	0.05	Olive black	faint earth	Loamy	8.1	30	38.1	0.05
2013/5/31	Sunny	24.9					Dark reddish brown	Faint grass	Loamy	150	320	470	0.08	Brown	faint earth	Loamy	99	200	299	0.09			
28	Shinkaname Bridge	Ueno Village	2013/11/13	Sunny	4.7	Black	faint earth	Loamy	240	560	800	0.08	Black	faint earth	Loamy	340	760	1,100	0.10				
			2013/5/31	Sunny	24.0	Dark brown	faint earth	Loamy	170	350	520	0.06	Olive brown	None	Loamy	20	38	58	0.06				
			2013/11/13	Sunny	4.2	Blackish brown	faint earth	Loamy	100	210	310	0.10	Black	faint earth	Loamy	42	82	124	0.05				
29	Morito Bridge	Kanma Town	2013/5/30	Cloudy	20.4	Dark brown	faint earth	Loamy	170	370	540	0.07	Dark brown	faint earth	Loamy	60	120	180	0.08				
			2013/11/13	Sunny	10.0	Olive brown	faint earth	Loamy	83	170	253	0.07	Dark brown	faint earth	Loamy	55	110	165	0.06				
			2013/6/7	Cloudy	22.6	Yellowish brown	faint earth	Loamy	58	140	198	0.06	Yellowish brown	faint earth	Loamy	34	65	99	0.07				
30	Tobukyo Bridge	Nishiki City/Kanmaki Town	2013/11/13	Sunny	12.6	Blackish brown	faint earth	Loamy	44	110	154	0.09	Blackish brown	faint earth	Loamy	48	100	148	0.06				
			2013/5/23	Sunny	25.3	Olive black	Faint grass	Sandy	69	140	209	0.05	Olive black	Faint grass	Sandy	53	140	193	0.06				
			2013/8/26	Sunny	31.6	Dark brown	faint earth	Loamy	37	100	137	0.05	Dark brown	faint earth	Loamy	28	84	112	0.05				
31	Kannagawa Bridge	Kamisato Town	2013/11/14	Sunny	14.6	Dim yellowish brown	faint earth	Loamy	62	150	212	0.05	Dim yellowish brown	faint earth	Loamy	36	77	113	0.08				
			2013/11/14	Sunny	8.9	Blackish brown	faint earth	Loamy	42	120	162	0.05	Dark olive brown	faint earth	Loamy	41	110	151	0.06				
			2014/1/16	Sunny	8.9	Blackish brown	faint earth	Loamy	42	120	162	0.05	Dark olive brown	faint earth	Loamy	41	110	151	0.06				
32	Tonegawa River	Tonegawa River	Bando-obashi Bridge	Honjo City	2013/11/13	Sunny	12.6	Blackish brown	faint earth	Loamy	44	110	154	0.09	Blackish brown	faint earth	Loamy	48	100	148	0.06		
					2013/5/23	Sunny	25.3	Olive black	Faint grass	Sandy	69	140	209	0.05	Olive black	Faint grass	Sandy	53	140	193	0.06		
					2013/8/26	Sunny	31.6	Dark brown	faint earth	Loamy	37	100	137	0.05	Dark brown	faint earth	Loamy	28	84	112	0.05		

Gunma River (Surrounding Environment) 4/5

Location					Sampling Date	Weather	Air temperature (°C)	Surrounding Environment (Soil, Air dose)																Remarks
No.	Water area	Location	Municipality	Left bank						Right bank														
				Color				Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (μSv/h)	Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (μSv/h)				
										Radioactive cesium							Radioactive cesium							
			Cs-134	Cs-137	Total				Cs-134	Cs-137	Total													
R i v e r s	Tonegawa River System	Akagishirakawa River	In Shimohosoi Town	Maebashi City	2013/6/6	Sunny	23.7	Dim yellowish brown	faint earth	Loamy	33	71	104	0.07	Dim yellowish brown	faint earth	Loamy	44	82	126	0.06			
					2013/8/20	Cloudy	36.3	Dim yellowish brown	faint earth	Loamy	53	120	173	0.06	Dim yellowish brown	faint earth	Loamy	140	310	450	0.05			
					2013/1/16	Sunny	16.4	Black	faint earth	Loamy	85	190	275	0.06	Brown	faint earth	Loamy	42	99	141	0.05			
					2014/1/10	Sunny	5.1	Blackish brown	faint earth	Loamy	37	99	136	0.07	Brown	faint earth	Loamy	36	72	108	0.05			
		Momonoki River	Usuihoi Bridge	Maebashi City	2013/6/3	Sunny	27.2	Dark grayish yellow	faint earth	Loamy	59	160	219	0.06	Brown	faint earth	Loamy	77	200	277	0.07			
					2013/8/21	Cloudy	32.0	Dim yellowish brown	faint earth	Loamy	54	99	153	0.05	Dim yellowish brown	faint earth	Loamy	56	130	186	0.06			
					2013/1/17	Cloudy	10.8	Blackish brown	faint earth	Loamy	35	90	125	0.06	Blackish brown	faint earth	Loamy	67	140	207	0.05			
					2014/1/10	Sunny	2.9	Blackish brown	faint earth	Loamy	38	130	168	0.05	Dark brown	faint earth	Loamy	57	140	197	0.07			
		Arato River	Okuhara Bridge	Maebashi City	2013/6/3	Sunny	27.5	Dark grayish yellow	faint earth	Loamy	21	35	56	0.04	Dark grayish yellow	faint earth	Loamy	31	92	123	0.04			
					2013/8/21	Cloudy	31.0	Extremely dark brown	faint earth	Loamy	37	91	128	0.04	Blackish brown	faint earth	Loamy	49	92	141	0.04			
					2013/1/17	Light rain	11.6	Blackish brown	faint earth	Loamy	28	73	101	0.05	Dark brown	faint earth	Loamy	22	74	96	0.05			
					2014/1/10	Sunny	1.6	Blackish brown	faint earth	Loamy	23	62	85	0.04	Blackish brown	faint earth	Loamy	21	62	83	0.04			
		Kasukawa River	Hozumi Bridge	Maebashi City	2013/5/23	Sunny	28.6	Olive black	Faint grass	Sandy	74	160	234	0.05	Olive black	Faint grass	Sandy	48	91	139	0.05			
					2013/8/26	Sunny	31.9	Blackish brown	faint earth	Loamy	40	82	122	0.05	Blackish brown	faint earth	Loamy	38	90	128	0.05			
					2013/1/14	Sunny	11.5	Dim yellowish brown	faint earth	Loamy	59	120	179	0.06	Dim yellowish brown	faint earth	Loamy	44	130	174	0.06			
					2014/1/16	Sunny	7.4	Faint hydrogen sulfide	faint earth	Loamy	41	120	161	0.06	Olive brown	faint earth	Loamy	19	59	78	0.05			
		Hirose River	Nakajima Bridge	Isesaki City	2013/5/23	Sunny	29.1	Olive black	Faint grass	Sandy	33	52	85	0.06	Olive black	Faint grass	Sandy	42	95	137	0.07			
					2013/8/26	Sunny	30.0	Dark brown	faint earth	Loamy	86	180	266	0.06	Dark brown	faint earth	Loamy	73	160	233	0.06			
					2013/1/14	Sunny	10.3	Dark grayish yellow	faint earth	Loamy	59	140	199	0.05	Dark grayish yellow	faint earth	Loamy	140	380	520	0.07			
					2014/1/16	Sunny	7.2	Dim yellowish brown	faint earth	Loamy	44	110	154	0.06	Dark brown	faint earth	Loamy	51	100	151	0.05			
		Hayakawa River	Hayakawa Bridge	Isesaki City	2013/5/27	Sunny	26.3	Olive black	Faint grass	Loamy	99	200	299	0.07	Olive black	Faint grass	Loamy	160	320	480	0.09			
					2013/8/21	Cloudy	31.9	Blackish brown	faint earth	Loamy	130	320	450	0.06	Blackish brown	faint earth	Loamy	190	380	570	0.06			
					2013/1/17	Light rain	10.2	Blackish brown	faint earth	Loamy	84	180	264	0.06	Blackish brown	faint earth	Loamy	320	750	1,070	0.08			
					2014/1/10	Sunny	-1.9	Black	faint earth	Loamy	91	270	361	0.06	Black	faint earth	Loamy	280	690	970	0.08			
		Tonegawa River	Macjima Bridge	Ota City	2013/5/23	Sunny	27.8	Olive black	Faint grass	Loamy	59	120	179	0.06	Olive black	Faint grass	Loamy	49	100	149	0.08			
					2013/8/26	Sunny	27.1	Dark brown	faint earth	Loamy	150	330	480	0.05	Dark brown	faint earth	Loamy	72	150	222	0.07			
					2013/1/14	Sunny	10.1	Dark brown	faint earth	Loamy	39	94	133	0.08	Dark brown	faint earth	Loamy	80	210	290	0.06			
					2014/1/16	Sunny	5.2	Dim yellowish brown	faint earth	Loamy	31	72	103	0.05	Yellowish brown	faint earth	Loamy	69	140	209	0.05			
		Tonegawa River	Tone-ozeki Weir	Chiyoda Town / Gyoda City	2013/5/22	Sunny	22.4	Dark olive brown	Faint grass	Sandy	130	320	450	0.06	Dark olive brown	Faint grass	Sandy	120	210	330	0.09			
					2013/8/21	Cloudy	25.1	Dim reddish brown	faint earth	Loamy	140	270	410	0.08	Dim yellowish brown	Faint grass	Loamy	130	230	360	0.07			
					2013/7/17	Light rain	21.0	Brown	faint earth	Loamy	220	520	740	0.07	Brown	Dim yellow	Loamy	97	210	307	0.07			
					2013/8/26	Sunny	21.1	Blackish brown	faint earth	Loamy	80	170	250	0.07	Dark brown	faint earth	Loamy	160	360	520	0.10			
		Koguro River	Kayano Bridge	Kiryu City	2013/9/30	Sunny	30.0	Blackish brown	Dim yellow	Loamy	130	310	440	0.07	Extremely dark reddish brown	faint earth	Loamy	200	470	670	0.12			
					2013/1/14	Sunny	8.7	Blackish brown	faint earth	Loamy	110	250	360	0.10	Blackish brown	faint earth	Loamy	82	180	262	0.05			
					2014/1/16	Sunny	6.2	Blackish brown	faint earth	Loamy	120	270	390	0.05	Grayish olive	faint earth	Loamy	42	98	140	0.08			
					2013/5/28	Cloudy	18.4	Dark brown	faint earth	Sandy	250	540	790	0.19	Grayish olive	None	Sandy	2,300	4,700	7,000	0.32			
		Watarase River Area	Takatsudo	Kiryu City	2013/6/21	Cloudy	16.1	Dark brown	faint earth	Loamy	610	1,300	1,910	0.17	Blackish brown	faint earth	Loamy	4,800	9,700	14,500	0.31			
					2013/7/17	Cloudy	25.0	Dark brown	None	Loamy	620	1,300	1,920	0.16	Dark brown	faint earth	Loamy	3,900	8,300	12,200	0.34			
					2013/8/7	Sunny	26.5	Blackish brown	faint earth	Loamy	490	980	1,470	0.15	Blackish brown	faint earth	Loamy	2,100	4,400	6,500	0.25			
					2013/9/24	Sunny	21.1	Blackish brown	faint earth	Loamy	590	1,200	1,790	0.15	Blackish brown	faint earth	Loamy	270	610	880	0.14			
Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2013/1/15	Sunny	12.3	Reddish black	Dim yellow	Loamy	340	820	1,160	0.15	Blackish brown	faint earth	Loamy	270	640	910	0.11					
			2014/1/17	Sunny	-2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
			2013/5/28	Cloudy	24.6	Dim yellowish brown	None	Sandy	48	130	178	0.08	Dim yellowish orange	None	Sandy	56	120	176	0.08					
			2013/8/8	Sunny	31.0	Faint fish	faint earth	Loamy	59	140	199	0.08	Faint fish	faint earth	Loamy	70	160	230	0.08					
Tatarase River	Ejiri Bridge	Oura Town	2013/1/18	Sunny	16.9	Dark brown	faint earth	Loamy	34	93	127	0.07	Dark brown	faint earth	Loamy	30	61	91	0.07					
			2014/1/17	Sunny	3.4	Dark brown	faint earth	Loamy	12	31	43	0.08	Dim yellowish orange	faint earth	Loamy	<9.4	25	25	0.07					
			2013/5/28	Cloudy	24.8	Dim yellowish brown	faint earth	Sandy	88	180	268	0.10	Gray	faint earth	Sandy	64	120	184	0.09					
			2013/6/21	Cloudy	20.8	Blackish brown	Faint grass	Loamy	160	360	520	0.08	Blackish brown	faint earth	Loamy	77	190	267	0.08					
Tatarase River	Ejiri Bridge	Oura Town	2013/7/17	Cloudy	26.0	Dim yellowish orange	faint earth	Loamy	310	500	810	0.09	Brown	faint earth	Loamy	120	240	360	0.08					
			2013/8/8	Sunny	30.3	Dark reddish brown	faint earth	Loamy	240	530	770	0.06	Dark reddish brown	faint earth	Loamy	42	84	126	0.08					
			2013/9/30	Sunny	24.2	Dim reddish brown	Dim yellow	Loamy	95	260	355	0.08	Grayish brown	faint earth	Loamy	150	290	440	0.08					
			2013/1/17	Cloudy	18.0	Dim reddish brown	faint earth	Loamy	110	300	410	0.08	Dark reddish brown	Dim yellow	Loamy	82	180	262	0.08					
Tatarase River	Ejiri Bridge	Oura Town	2014/1/17	Sunny	7.2	Dark brown	faint earth	Loamy	67	180	247	0.08	Blackish brown	faint earth	Sandy	30	97	127	0.07					
			2013/5/22	Sunny	27.6	Dark olive brown	Faint grass	Sandy	160	350	510	0.05	Dark olive brown	Faint grass	Sandy	67	120	187	0.04					
			2013/8/5	Cloudy	26.8	Black	faint earth	Loamy	210	440	650	0.06	Dark reddish brown	faint earth	Loamy	71	170	241	0.06					
			2013/1/16	Sunny	20.0	Reddish black	faint earth	Loamy	310	670	980	0.06	Dark reddish brown	faint earth	Loamy	52	140	192	0.08					
2014/1/20	Cloudy	3.8	Dim yellowish orange	faint earth	Loamy	100	280	380	0.06	Blackish brown	faint earth	Loamy	68	180	248	0.06								

Unable to collect samples due to snow

Gunma River (Surrounding Environment) 5/5

Location					Sampling Date	Weather	Air temperature (°C)	Surrounding Environment (Soil, Air dose)													Remarks		
No.	Water area		Location	Municipality				Left bank						Right bank									
	Color	Odor						Property	Activity concentration [Bq/kg(dry)]			Air Dose (μSv/h)	Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (μSv/h)				
									Radioactive cesium							Radioactive cesium							
			Cs-134	Cs-137	Total				Cs-134	Cs-137	Total												
R i v e r s	45	Tonegawa River System	Watarase River Area	Kannon Bridge	Kiryu City	2013/5/27	Sunny	25.4	Olive black	Faint grass	Loamy	50	99	149	0.08	Yellowish gray	Faint grass	Loamy	100	210	310	0.10	
						2013/8/8	Sunny	32.5	Blackish brown	faint earth	Loamy	100	210	310	0.07	Blackish brown	faint earth	Loamy	110	260	370	0.08	
						2013/1/8	Sunny	20.8	Blackish brown	faint earth	Loamy	36	67	103	0.07	Black	faint earth	Loamy	95	220	315	0.05	
						2014/1/17	Sunny	7.0	Faint hydrogen sulfide	faint earth	Loamy	150	380	530	0.06	Dark brown	faint earth	Loamy	34	64	98	0.08	
				2013/5/27	Sunny	27.1	Yellowish brown	Faint grass	Loamy	90	170	260	0.08	Yellowish brown	Faint grass	Loamy	140	290	430	0.08			
				2013/8/8	Sunny	25.3	Dim reddish brown	faint earth	Loamy	53	120	173	0.07	Dim reddish brown	faint earth	Loamy	110	220	330	0.08			
				2013/1/8	Sunny	11.5	Dark brown	faint earth	Loamy	110	260	370	0.06	Dark brown	faint earth	Loamy	97	220	317	0.08			
				2014/1/20	Cloudy	0.6	Dark brown	faint earth	Loamy	28	59	87	0.05	Dim yellowish orange	faint earth	Loamy	24	61	85	0.06			
	46	Tonegawa River System	Watarase River Area	Sakai Bridge	Kiryu City/ Ashikaga City	2013/5/27	Sunny	29.4	Brown	Faint grass	Sandy	140	450	590	0.07	Dark olive brown	Faint grass	Sandy	150	340	490	0.07	
						2013/8/5	Cloudy	29.1	Brown	faint earth	Loamy	180	360	540	0.06	Brown	faint earth	Loamy	420	890	1,310	0.07	
						2013/1/16	Sunny	15.6	Dark reddish brown	faint earth	Loamy	180	450	630	0.07	Reddish black	faint earth	Loamy	290	680	970	0.07	
						2014/1/20	Cloudy	7.2	Dark brown	faint earth	Loamy	120	300	420	0.05	Dark brown	faint earth	Loamy	270	680	950	0.06	
	47	Tonegawa River System	Watarase River Area	Tsuruuda River	Lake Jonuma	Tatebayashi City	2013/5/22	Sunny	21.9	Dark olive brown	Faint grass	Sandy	130	250	380	0.07	Dark olive brown	Faint grass	Sandy	180	320	500	0.05
							2013/8/5	Cloudy	27.0	Brown	faint earth	Loamy	170	350	520	0.08	Brown	faint earth	Loamy	120	240	360	0.07
							2013/1/16	Sunny	10.2	Extremely dark reddish brown	faint earth	Loamy	70	200	270	0.06	Blackish brown	faint earth	Loamy	87	190	277	0.07
							2014/1/20	Cloudy	7.1	Dim yellowish orange	faint earth	Loamy	73	160	233	0.08	Dark olive brown	faint earth	Loamy	55	150	205	0.07
48	Tonegawa River System	Watarase River Area	Yatagawa River	Togoda Bridge	Meiwa Town / Itakura Town	2013/5/27	Sunny	25.4	Olive black	Faint grass	Loamy	50	99	149	0.08	Yellowish gray	Faint grass	Loamy	100	210	310	0.10	
						2013/8/8	Sunny	32.5	Blackish brown	faint earth	Loamy	100	210	310	0.07	Blackish brown	faint earth	Loamy	110	260	370	0.08	
						2013/1/8	Sunny	20.8	Blackish brown	faint earth	Loamy	36	67	103	0.07	Black	faint earth	Loamy	95	220	315	0.05	
						2014/1/17	Sunny	7.0	Faint hydrogen sulfide	faint earth	Loamy	150	380	530	0.06	Dark brown	faint earth	Loamy	34	64	98	0.08	

Gunma Lakes and Reservoirs (Water)1/4

L a k e s R e s e r v o i r s	Location				Surface layer/ Deep layer	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	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Cs-134	
49	Lake Okutone (Yagisawa Dam)	Center	Surface layer	2013/6/27	Sunny	22.1	75.5	18.8	0.5	Very dark bluish green	None	5.1	1.8	<1	0.8	<0.66	<0.73	
			Deep layer					7.7	74.5	-	None		2.3	2	3.8	<0.66	<0.84	
			Surface layer	2013/8/2	Cloudy	23.2	75.5	22.5	0.5	Dark grayish green	None	2.6	1.8	<1	1.6	<0.53	<0.42	
			Deep layer					9.8	74.5	-	None		2.1	2	3.2	<0.54	<0.45	
			Surface layer	2013/10/7	Sunny	20.0	78.4	18.9	0.5	Greenish dark gray	None	2.7	2.7	2	1.4	<0.60	<0.58	
			Deep layer					12.3	77.4	-	None		3.5	9	15	<0.55	<0.74	
		Surface layer	2013/11/28	Cloudy	0.4	93.2	10.1	0.5	Dark grayish yellow green	None	2.3	2.5	2	2.1	<0.63	<0.65		
		Deep layer					9.5	92.2	-	None		2.8	11	6.8	<0.59	<0.55		
		Surface layer	2013/6/27	Sunny	25.0	54.8	20.6	0.5	Dark blue green	None	4.5	2.9	<1	0.6	<0.83	<0.81		
		Deep layer					7.1	53.8	-	None		3.9	<1	1.2	<0.69	<0.58		
		Surface layer	2013/8/2	Sunny	26.1	63.5	24.7	0.5	Yellow greenish dark gray	None	2.8	3.3	2	1.9	<0.73	<0.59		
		Deep layer					9.4	62.5	-	None		4.6	56	26	<0.61	<0.51		
	Surface layer	2013/10/7	Sunny	27.4	62.9	20.1	0.5	Greenish dark gray	None	2.8	3.8	2	1.8	<0.54	<0.51			
	Deep layer					9.9	61.9	-	None		4.2	2	1.8	<0.97	<0.78			
	Surface layer	2013/11/28	Cloudy	1.9	74.0	10.9	0.5	Yellow greenish dark gray	None	4.8	3.7	<1	0.7	<0.67	<0.59			
	Deep layer					8.3	73.0	-	None		2.3	1	1.0	<0.52	<0.47			
	Surface layer	2013/6/26	Cloudy	19.0	45.3	11.5	0.5	Dark yellowish green	None	3.0	2.2	2	3.0	<0.56	<0.65			
	Deep layer					7.4	44.3	-	None		3.4	2	2.1	<0.60	<0.68			
	Surface layer	2013/8/5	Cloudy	22.4	42.4	21.6	0.5	Dark grayish greenish yellow	None	1.1	2.7	5	6.1	<0.68	<0.46			
	Deep layer					8.2	41.4	-	None		3.3	2	2.2	<0.71	<0.63			
	Surface layer	2013/10/8	Sunny	20.1	40.9	19.9	0.5	Grayish reddish yellow	None	1.0	3.4	6	10	<0.62	<0.55			
	Deep layer					10.6	39.9	-	None		4.2	26	15	<0.61	<0.59			
	Surface layer	2013/12/6	Sunny	2.4	46.1	9.8	0.5	Yellowish gray	None	1.6	3.3	4	3.6	<0.59	<0.59			
	Deep layer					8.5	45.1	-	None		3.4	5	3.2	<0.62	<0.55			
Surface layer	2013/6/24	Sunny	17.9	40.9	18.2	0.5	Dark blue green	None	6.5	5.8	<1	0.5	<0.46	<0.45				
Deep layer					9.9	39.9	-	None		7.3	1	1.0	<0.57	<0.44				
Surface layer	2013/7/31	Sunny	21.4	42.0	20.4	0.5	Dark bluish green	None	5.0	5.6	<1	0.7	<0.48	<0.47				
Deep layer					7.9	41.0	-	None		9.8	2	2.1	<0.67	<0.53				
Surface layer	2013/10/3	Cloudy	16.3	39.7	16.8	0.5	Dark grayish green	None	4.4	5.4	1	1.1	<0.58	<0.57				
Deep layer					8.4	38.7	-	None		9.0	2	2.2	<0.60	<0.60				
Surface layer	2013/12/4	Sunny	1.2	42.0	7.1	0.5	Grayish greenish yellow	None	6.0	5.9	<1	0.7	<0.66	<0.50				
Deep layer					5.5	41.0	-	None		9.7	4	4.9	<0.54	<0.45				
Surface layer	2013/7/1	Cloudy	24.8	48.5	15.7	0.5	Dark yellowish green	None	2.2	3.1	2	2.1	<0.52	<0.63				
Deep layer					9.8	47.5	-	None		1.9	2	2.5	<0.56	<0.55				
Surface layer	2013/8/5	Cloudy	28.2	48.3	19.1	0.5	Light grayish yellow	None	0.8	3.4	8	10	<0.57	<0.66				
Deep layer					8.4	47.3	-	None		3.6	2	1.8	<0.60	<0.57				
Surface layer	2013/10/8	Cloudy	22.7	56.3	21.0	0.5	Grayish greenish yellow	None	2.2	4.3	4	4.4	<0.63	<0.70				
Deep layer					8.1	55.3	-	None		3.5	4	4.6	<0.54	<0.58				
Surface layer	2013/12/6	Sunny	13.0	52.7	9.2	0.5	Grayish greenish yellow	None	2.7	3.7	3	2.4	<0.60	<0.47				
Deep layer					8.1	51.7	-	None		3.7	8	6.7	<0.69	<0.59				
Surface layer	2013/6/25	Cloudy	20.9	41.3	19.1	0.5	Dark blue green	None	4.0	3.9	<1	0.7	<0.41	<0.51				
Deep layer					11.2	40.3	-	None		3.6	1	1.4	<0.52	<0.60				
Surface layer	2013/8/6	Cloudy	26.1	40.7	23.3	0.5	Dark bluish green	None	8.5	3.8	<1	0.6	<0.45	<0.65				
Deep layer					12.1	39.7	-	None		3.4	3	2.2	<0.63	<0.59				
Surface layer	2013/10/9	Cloudy	16.5	33.7	17.2	0.5	Bluish greenish dark gray	None	3.9	3.3	<1	0.6	<0.76	<0.53				
Deep layer					15.3	32.7	-	None		3.6	22	11	<0.84	<0.78				
Surface layer	2013/12/2	Sunny	7.7	38.6	8.3	0.5	Greenish gray	None	5.0	4.0	2	1.2	<0.62	<0.55				
Deep layer					8.5	37.6	-	None		3.5	1	1.2	<0.61	<0.74				

Gunma Lakes and Reservoirs (Water) 4/4

Location					Surface layer/ Deep layer	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	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium		
													Cs-134	Cs-137						
L a k e s a n d R e s e r v o i r s	67	Karasu River	Lake Hebikami (Shiozawa Dam)	Center	Kanna Town	Surface layer	2013/6/28	Cloudy	20.1	6.4	16.8	0.5	Dark grayish yellow green	None	2.3	12.7	2	2.5	<0.57	<0.65
						Deep layer					15.2	5.4	-	None		13.7	4	3.4	<0.52	<0.63
						Surface layer	2013/8/15	Sunny	28.9	7.7	26.5	0.5	Yellow greenish dark gray	None	2.3	16.6	2	3.0	<0.64	<0.63
						Deep layer					15.8	6.7	-	Faint drain		20.3	3	6.4	<0.64	<0.57
						Surface layer	2013/10/21	Cloudy	19.9	14.6	13.8	0.5	Dark grayish reddish yellow	None	0.7	12.2	10	11	<0.54	<0.52
						Deep layer					13.0	13.6	-	None		7.3	10	8.2	<0.56	<0.47
	Surface layer	2013/12/9	Sunny	8.2	14.2	7.3	0.5	Greenish dark gray	None	3.8	15.3	2	1.5	<0.55	<0.42					
	Deep layer					6.4	13.2	-	None		15.2	2	1.3	<0.54	<0.60					
	68	Watarase River Area	Lake Kusaki (Kusaki Dam)	Center	Midori City	Surface layer	2013/5/28	Cloudy	18.0	34.0	19.3	0.5	Very dark green	None	3.0	11.5	2	2.2	<0.79	<0.64
						Deep layer					6.5	33.0	-	None		11.6	<1	1.1	<0.75	<0.52
						Surface layer	2013/7/30	Sunny	31.1	25.8	23.8	0.5	Dark grayish greenish yellow	None	1.7	12.0	2	5.0	<0.53	<0.70
						Deep layer					11.6	24.8	-	None		12.2	2	8.4	<0.64	<0.50
						Surface layer	2013/10/22	Cloudy	16.2	29.4	16.3	0.5	Dull bluish green	None	4.3	11.0	<1	2.1	<0.48	<0.68
						Deep layer					15.7	28.4	-	None		9.6	13	5.3	<0.59	<0.42
	Surface layer	2013/12/11	Sunny	4.2	21.9	9.2	0.5	Greenish dark gray	None	3.6	10.5	2	1.3	<0.50	<0.63					
	Deep layer					9.1	20.9	-	None		10.4	2	1.3	<0.63	<0.58					
	69	Lake Umeda (Kiryugawa Dam)	Center	Kiryu City	Surface layer	2013/5/27	Sunny	24.6	26.9	21.3	0.5	Dark yellowish green	None	3.2	7.4	1	1.5	<0.61	<0.59	
					Deep layer					14.2	25.9	-	None		7.7	1	2.2	<0.52	<0.68	
					Surface layer	2013/7/30	Sunny	28.1	28.2	25.3	0.5	Dark grayish greenish yellow	None	2.1	6.5	1	1.8	<0.66	<0.70	
					Deep layer					9.5	27.2	-	None		10.1	<1	2.8	<0.43	<0.60	
					Surface layer	2013/10/2	Cloudy	24.6	27.1	20.7	0.5	Dark grayish yellow	None	2.9	6.5	3	2.0	<0.56	<0.52	
					Deep layer					11.0	26.1	-	None		7.6	3	14	<0.52	<0.59	
	Surface layer	2013/12/5	Sunny	10.9	23.6	10.8	0.5	Dark grayish blue green	None	2.6	6.5	5	1.7	<0.58	<0.62					
	Deep layer					9.9	22.6	-	None		6.3	3	2.4	<0.61	<0.62					
70	Nakatsu River	Lake Nozori (Nozori Dam)	Center	Nakanogjo Town	Surface layer	2013/6/18	Cloudy	16.8	7.3	14.0	0.5	Dark grayish blue green	None	>7.3	3.6	<1	0.6	<0.50	<0.55	
					Deep layer					12.9	6.3	-	None		3.3	<1	0.7	<0.76	<0.70	
					Surface layer	2013/8/8	Cloudy	24.8	19.6	20.7	0.5	Dark grayish blue green	None	6.6	3.2	<1	0.5	<0.78	<0.69	
					Deep layer					16.0	18.6	-	None		3.3	1	0.9	<0.45	<0.52	
					Surface layer	2013/10/23	Cloudy	9.2	7.4	12.4	0.5	Dark grayish yellowish green	None	3.5	2.9	2	1.5	<0.63	<0.47	
					Deep layer					12.3	6.4	-	None		2.9	7	3.6	<0.54	<0.51	
Surface layer	2013/11/27	Sunny	6.4	21.6	5.3	0.5	Grayish bluish green	None	4.8	3.3	<1	0.9	<0.61	<0.42						
Deep layer					5.0	20.6	-	None		3.0	2	1.7	<0.61	<0.85						
71	Lake Jonuma	Center	Tatebayashi City	Surface layer	2013/5/24	Sunny	27.0	1.6	25.9	0.5	Dark grayish reddish yellow	None	0.5	28.5	18	14	<0.68	<0.76		
				Deep layer					25.7	0.6	-	None		28.3	26	14	<0.54	<0.46		
				Surface layer	2013/8/19	Sunny	35.8	1.8	32.5	0.5	Dark grayish reddish yellow	None	0.5	29.0	40	17	<0.54	<0.58		
				Deep layer					32.1	0.8	-	None		29.0	46	14	<0.56	<0.55		
				Surface layer	2013/10/1	Cloudy	23.0	1.3	23.1	0.0	Dark grayish yellow red	None	0.6	30.2	15	8.4	<0.73	<0.59		
				Deep layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
Surface layer	2013/12/13	Sunny	11.2	1.4	8.6	0.0	Dark grayish yellow red	None	0.5	35.1	28	20	<0.50	<0.65						
Deep layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water					
72	Lake Tataranuma	Center	Tatebayashi City	Surface layer	2013/5/24	Sunny	31.2	6.6	24.4	0.5	Dark grayish yellow	None	0.9	19.3	7	6.9	<0.60	<0.57		
				Deep layer					16.7	5.6	-	None		24.8	6	8.0	<0.71	<0.80		
				Surface layer	2013/8/19	Sunny	30.6	6.0	30.0	0.5	Yellow greenish dark gray	None	2.2	23.0	6	5.5	<0.56	<0.59		
				Deep layer					28.2	5.0	-	None		23.3	11	4.3	<0.51	<0.55		
				Surface layer	2013/10/1	Cloudy	22.0	5.1	22.3	0.5	Dark grayish reddish yellow	None	0.8	22.8	10	7.7	<0.67	<0.58		
				Deep layer					21.4	4.1	-	None		23.1	8	6.8	<0.71	<0.42		
Surface layer	2013/12/13	Sunny	4.0	4.5	7.7	0.5	Dark grayish yellow red	None	0.6	27.0	18	14	<0.56	<0.55						
Deep layer					7.7	3.5	-	None		27.6	19	13	<0.61	<0.51						

群馬県 湖沼・水源地（底質） 1/2

Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment												Activity concentration [Bq/kg(dry)]			Remarks			
								Sediment temperature (°C)	Sample length (cm)	Color	Odor	Grain size distribution(%)												Sediment content (%)	Density (g/cm ³)	Property
Coarse gravel	medium grav	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay					Radioactive cesium														
												Cs-134	Cs-137	Total												
L a k e s a n d R e s e r v o i r s	49	Lake Okutone (Yagisawa Dam)	Center	2013/6/27	Sunny	22.1	75.5	7.9	5	Olive black	None	0.0	0.0	0.4	0.2	0.4	36.8	62.0	30.6	2.579	Silt	760	1,500	2,260		
				2013/8/2	Cloudy	23.2	75.5	9.2	8	Dim yellowish orange	Faint drain	0.0	0.0	0.0	0.0	0.1	0.6	41.9	57.4	39.6	2,517	Silt	400	830	1,230	
	50	Lake Naramata (Naramata Dam)	Center	Minakami Town	2013/10/7	Sunny	20.0	78.4	13.9	5	Grayish olive	None	0.0	0.0	0.0	0.1	0.2	0.5	29.4	69.8	37.8	2,550	Silt	410	840	1,250
					2013/11/28	Cloudy	0.4	93.2	9.2	8	Grayish olive	None	0.0	0.0	0.2	0.1	0.5	1.8	34.9	62.6	37.8	2,576	Silt	450	1,100	1,550
	51	Lake Dogen (Sudagai Dam)	Center	Minakami Town	2013/6/27	Sunny	25.0	54.8	8.3	5	Yellowish brown	None	0.0	0.0	0.0	0.1	3.2	64.8	31.9	31.0	2,478	Silt	920	2,000	2,920	
					2013/8/2	Sunny	26.1	63.5	6.4	8	Olive	Faint drain	0.0	0.0	0.0	0.1	1.0	51.2	47.7	32.9	2,452	Silt	360	740	1,100	
	52	Lake Marunuma (Marunuma Dam)	Center	Katsuhina Village	2013/10/7	Sunny	27.4	62.9	16.2	5	Grayish olive	None	0.0	25.1	10.1	2.6	2.5	2.1	19.4	38.1	28.2	2,465	Silt	250	660	910
					2013/11/28	Cloudy	1.9	74.0	8.0	3	Grayish olive	None	0.0	2.7	1.9	0.6	0.3	0.8	35.5	58.2	27.1	2,473	Silt	1,100	2,800	3,900
					2013/6/26	Cloudy	19.0	45.3	7.6	5	Dim yellowish orange	Faint drain	0.0	0.0	0.0	0.1	0.1	0.3	37.0	62.6	35.2	2,480	Silt	280	680	960
					2013/8/5	Cloudy	22.4	42.4	9.8	8	Yellowish brown	Faint drain	0.0	0.0	0.0	0.1	0.6	0.3	34.4	64.6	36.7	2,544	Silt	190	470	660
	53	Tonegawa River	Center	Minakami Town	2013/10/8	Sunny	20.1	40.9	11.2	7	Grayish olive	None	0.0	0.0	0.0	0.0	0.1	0.6	41.9	57.4	35.1	2,572	Silt	130	310	440
					2013/12/6	Sunny	2.4	46.1	8.2	9	Grayish olive	Faint drain	0.0	0.0	0.0	0.0	0.2	1.8	67.8	30.2	28.2	2,440	Silt	150	390	540
					2013/6/24	Sunny	17.9	40.9	10.1	10	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.1	0.2	0.4	59.2	40.0	25.5	2,375	Silt	5.7	21	26.7
					2013/7/31	Sunny	21.4	42.0	10.2	10	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.1	54.6	45.2	23.1	2,368	Silt	31	120	151
	54	Lake Tanbara (Tanbara Dam)	Center	Numata City	2013/10/3	Cloudy	16.3	39.7	7.0	5	Blackish brown	Dim yellow	0.0	0.0	0.0	0.0	0.1	45.7	54.1	23.3	2,324	Silt	27	54	81	
					2013/1/24	Sunny	1.2	42.0	5.6	5	Black	Faint drain	0.0	0.0	0.1	0.3	0.4	0.1	38.2	60.8	20.7	2,385	Silt	18	56	74
2013/7/1					Cloudy	24.8	48.5	9.1	10	Olive yellow	None	0.0	0.0	0.0	0.0	0.1	0.3	42.4	57.3	35.3	2,530	Silt	380	930	1,310	
2013/8/5					Cloudy	28.2	48.3	10.9	10	Yellowish brown	Faint drain	0.0	0.0	0.0	0.1	0.3	3.4	30.4	65.7	36.2	2,540	Silt	330	830	1,160	
55	Lake Akaya (Aimata Dam)	Center	Minakami Town	2013/10/8	Cloudy	22.7	56.3	9.9	9	Reddish brown	None	0.0	0.0	0.0	0.0	0.8	0.4	38.7	60.1	33.3	2,566	Silt	630	1,500	2,130	
				2013/12/6	Sunny	13.0	52.7	8.0	8	Grayish olive	None	0.0	0.0	0.1	0.1	0.1	0.5	38.9	60.5	36.5	2,529	Silt	990	2,600	3,590	
				2013/6/25	Cloudy	20.9	41.3	10.1	7	Dim yellowish orange	None	0.0	0.0	0.0	0.2	0.4	0.5	32.8	66.2	28.0	2,546	Silt	130	290	420	
				2013/8/6	Cloudy	26.1	40.7	11.4	7	Olive yellow	None	0.0	13.7	0.8	0.4	0.3	0.4	22.7	61.6	29.4	2,579	Silt	100	290	390	
56	Lake Sonohara (Sonohara Dam)	Center	Numata City	2013/10/9	Cloudy	16.5	33.7	13.9	7	Grayish olive	None	0.0	2.2	0.2	0.0	0.1	0.1	35.0	62.5	27.1	2,589	Silt	260	630	890	
				2013/12/2	Sunny	7.7	38.6	8.7	8	Grayish olive	None	0.0	0.0	0.1	0.1	0.5	2.0	39.2	58.1	26.5	2,634	Silt	140	380	520	
				2013/6/14	Sunny	21.8	33.5	7.4	10	Dim orange	None	0.0	0.0	0.0	0.0	0.1	0.1	30.2	69.7	41.6	2,573	Silt	890	1,900	2,790	
				2013/8/6	Sunny	27.6	30.9	11.2	10	Olive	None	0.0	0.0	0.0	0.0	0.0	0.1	37.6	62.2	40.7	2,585	Silt	1,100	2,400	3,500	
57	Lake Akagionuma	Center	Maebashi City	2013/10/9	Cloudy	22.6	29.3	14.9	7	Yellowish brown	None	0.0	0.0	0.0	0.0	0.0	0.1	39.7	60.2	30.7	2,543	Silt	960	2,300	3,260	
				2013/12/2	Sunny	13.1	36.4	8.4	9	Grayish olive	None	0.0	0.0	0.0	0.0	0.2	0.9	50.6	48.2	40.6	2,588	Silt	230	540	760	
				2013/6/20	Cloudy	21.1	29.5	11.8	10	Dim yellowish orange	Faint drain	0.0	0.0	0.0	0.1	0.2	3.0	48.5	48.2	43.9	2,516	Silt	190	400	590	
				2013/8/1	Cloudy	27.8	28.3	13.2	10	Dim yellowish orange	Faint drain	0.0	0.0	0.0	0.0	0.0	1.3	61.9	36.9	40.9	2,540	Silt	130	310	440	
58	Lake Okushima Lake (Sonohara Dam)	Center	Nakanomoto Town	2013/10/4	Cloudy	17.4	27.2	14.1	5	Dark brown	faint earth	0.0	0.0	0.0	0.0	0.2	3.8	75.1	20.9	40.8	2,509	Silt	110	270	380	
				2013/12/3	Sunny	6.2	17.9	6.0	6	Grayish olive	None	0.0	0.0	0.0	0.4	21.2	36.2	30.6	11.7	34.2	2,678	Silt/sand	54	110	164	
				2013/6/21	Cloudy	14.9	15.9	10.1	9	Faint hydrogen sulfide	Dark olive	0.0	0.0	0.4	0.1	0.4	4.5	71.2	23.5	17.9	2,208	Silt	290	770	1,060	
				2013/7/31	Sunny	24.1	16.8	10.2	9	Black	None	0.0	0.0	0.0	0.0	0.1	0.6	75.2	24.2	17.3	2,243	Silt	560	1,300	1,860	
59	Agatsuma River Area	Lake Shimako (Nakanomoto Dam)	Center	2013/10/3	Sunny	15.0	16.1	9.8	6	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.1	71.7	28.1	13.8	2,186	Silt	280	700	980	
				2013/12/4	Cloudy	2.4	17.2	5.0	6	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.1	0.3	0.1	52.8	46.7	14.4	2,197	Silt	310	690	1,000	
				2013/6/17	Sunny	24.1	37.9	10.1	10	Yellowish brown	None	0.0	0.0	0.0	0.1	0.2	0.3	56.9	42.5	40.1	2,592	Silt	160	400	560	
				2013/8/7	Sunny	25.2	29.0	8.9	8	Olive	Faint drain	0.0	0.0	0.0	0.0	0.1	0.4	51.4	48.2	38.4	2,617	Silt	300	630	930	
60	Lake Tashiro (Kazawa Dam)	Center	Tomagata Village	2013/10/10	Cloudy	22.4	27.9	12.9	7	Yellowish brown	None	0.0	0.0	0.0	0.0	0.0	0.1	52.2	47.7	33.2	2,599	Silt	1,300	3,000	4,300	
				2013/12/13	Sunny	7.6	30.6	7.4	9	Olive black	None	0.0	0.0	0.0	0.1	0.1	0.5	55.3	44.1	31.8	2,581	Silt	420	1,100	1,520	
				2013/6/17	Cloudy	27.9	8.2	17.3	9	Dim yellowish orange	Faint drain	0.0	0.0	0.4	0.5	2.8	47.2	29.2	19.9	53.2	2,552	Silt/sand	270	570	840	
				2013/8/7	Sunny	28.1	8.1	17.9	9	Faint hydrogen sulfide	Faint drain	4.0	1.0	0.9	0.9	5.7	47.6	30.5	9.4	46.1	2,613	Silt/sand	400	790	1,190	
60	Lake Tashiro (Kazawa Dam)	Center	Tomagata Village	2013/10/10	Cloudy	22.5	8.5	18.0	7	Dim yellowish orange	None	0.0	0.1	1.6	2.1	0.7	7.4	66.9	11.2	10.1	45.0	2,697	Silt/sand	270	590	860
				2013/12/13	Sunny	4.2	8.2	9.9	7	Faint hydrogen sulfide	None	0.0	4.2	3.4	1.1	4.8	62.1	17.1	7.2	52.7	2,678	Silt/sand	78	200	278	
				2013/6/13	Light rain	19.7	4.5	19.7	10	Black	Faint drain	0.0	0.0	0.0	0.0	0.1	0.4	72.9	26.6	22.2	2,176	Silt	270	580	850	
60	Lake Tashiro (Kazawa Dam)	Center	Tomagata Village	2013/8/9	Sunny	25.6	4.6	26.0	9	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.2	0.7	2.4	5.6	71.7	19.4	30.0	2,273	Silt	39	71	110	
				2013/10/15	Cloudy	13.4	3.3	16.9	10	Black	None	0.0	0.0	0.0	0.0	0.1	0.2	73.1	26.6	20.7	2,210	Silt	410	850	1,260	
60	Lake Tashiro (Kazawa Dam)	Center	Tomagata Village	2013/11/27	Sunny	7.6	3.7	5.3	7	Black	Faint drain	0.0	0.0	0.0	0.0	0.0	0.3	61.8	37.9	19.8	2,247	Silt	320	840	1,160	

群馬県 湖沼・水源地（底質） 2/2

Location		Sampling Date	Weather	Air temperature (°C)	Water depth (m)	General items												Sediment		Activity concentration [Bq/kg(dry)]			Remarks						
						Sediment temperature (°C)	Sample length (cm)	Color	Odor	Grain size distribution(%)							Sediment content (%)	Density (g/cm ³)	Property	Radioactive cesium									
										Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt				Clay	Cs-134	Cs-137		Total					
No.	Water area	Location	Municipality																										
L a k e s a n d R e s e r v o i r s	61	Lake Haruna	Center	Takasaki City	2013/6/11	Cloudy	14.4	14.0	9.2	10	Black	Medium drain	0.0	0.0	0.0	0.3	0.7	0.7	35.6	62.8	9.4	2.053	Silt	8.5	47	55.5			
					2013/8/13	Cloudy	23.9	13.9	11.4	9	Black	Faint drain	0.0	0.0	0.0	0.1	0.1	17.1	82.6	9.1	2.141	Silt	140	320	460				
					2013/10/24	Cloudy	14.9	14.0	10.3	8	Blue black	Medium drain	0.0	0.0	0.1	0.4	0.7	0.4	10.7	87.8	8.6	2.157	Silt	28	120	148			
					2013/12/5	Sunny	11.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples as sailing was impossible
					2013/6/10	Sunny	23.9	4.1	17.8	10	-	None	0.0	0.0	0.0	0.1	0.1	1.5	75.7	22.7	32.0	2.549	Silt	780	1,600	2,380			
	62	Lake Kirizami (Kirizami Dam)	Center	Annaka City	2013/8/12	Sunny	27.8	9.1	20.9	10	Faint hydrogen sulfide	Faint drain	0.0	0.7	1.8	3.0	2.8	13.4	61.0	17.4	41.7	2.407	Silt	100	210	310			
					2013/10/17	Sunny	15.2	3.6	13.8	7	Blackish brown	Faint drain	1.7	2.8	1.1	2.2	3.7	14.4	55.4	18.8	36.3	2.438	Silt/sand	230	540	770			
					2013/12/10	Sunny	9.1	2.8	6.4	5	Blackish brown	None	0.0	0.0	0.9	1.3	1.6	6.5	73.8	15.8	38.9	2.443	Silt	130	360	490			
					2013/6/10	Sunny	22.8	12.4	7.4	10	Black	None	0.0	0.0	0.0	0.1	0.1	2.9	70.1	26.9	29.8	2.271	Silt	1,100	2,300	3,400			
					2013/8/12	Sunny	29.8	13.2	7.2	8	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	1.8	74.3	23.8	28.5	2.310	Silt	1,000	2,400	3,400			
	63	Lake Usuiko (Sakamoto Dam)	Center	Annaka City	2013/10/17	Sunny	15.6	13.0	12.1	7	Dim yellowish brown	Faint drain	0.0	0.0	0.0	0.1	0.3	12.1	68.0	19.6	29.2	2.358	Silt	400	940	1,340			
					2013/12/10	Light rain	6.2	13.1	6.4	6	Blackish brown	None	0.0	0.0	0.0	0.1	0.5	12.0	68.5	18.9	31.8	2.388	Silt	560	1,400	1,960			
					2013/6/4	Sunny	19.9	32.5	5.6	10	Faint hydrogen sulfide	None	0.0	0.0	0.1	0.0	0.2	1.4	58.0	40.4	34.9	2.553	Silt	160	330	490			
					2013/8/14	Sunny	26.3	24.9	9.1	7	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.3	1.7	62.4	35.6	32.9	2.469	Silt	190	440	630			
					2013/10/18	Cloudy	17.2	30.9	13.2	8	Dim yellowish orange	Faint drain	0.0	0.0	0.0	0.0	0.1	1.2	57.1	41.6	38.3	2.496	Silt	180	440	620			
	64	Lake Arafune (Doshiragawa Dam)	Center	Shimonta Town	2013/12/6	Sunny	14.5	33.4	11.3	7	Black	None	0.0	0.0	0.0	0.0	0.2	9.6	57.5	32.7	36.3	2.550	Silt	160	370	530			
					2013/6/3	Sunny	22.4	10.1	18.6	10	Yellowish gray	None	0.0	5.9	2.0	2.0	4.1	8.2	17.7	60.2	40.6	3.572	Silt	110	230	340			
					2013/8/14	Sunny	31.1	10.9	24.2	10	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.4	0.2	1.1	4.0	27.6	66.6	29.8	2.497	Silt	190	470	660			
					2013/10/18	Sunny	21.9	11.5	17.1	10	Grayish olive	Faint drain	0.0	0.7	0.2	0.3	0.7	3.6	28.2	66.2	29.5	2.608	Silt	110	290	400			
					2013/12/6	Sunny	18.5	13.3	12.2	7	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.1	0.2	0.6	1.7	33.6	63.9	26.1	2.509	Silt	100	220	320			
	65	Lake Oshio (Oshio Dam)	Center	Tomioka City	2013/5/31	Sunny	24.6	67.1	5.8	10	Gray	None	0.0	0.0	0.0	0.4	0.8	1.1	3.2	94.5	50.7	2.693	Silt	58	120	178			
					2013/8/27	Sunny	28.0	45.3	6.2	10	Grayish olive	Faint drain	0.0	0.0	0.0	0.0	0.1	0.3	13.8	85.8	35.0	2.675	Silt	110	210	320			
					2013/10/21	Sunny	17.9	67.2	12.9	9	Grayish olive	Faint drain	0.0	0.0	0.0	0.0	0.0	0.1	50.4	49.5	43.5	2.635	Silt	130	280	410			
					2013/12/9	Sunny	0.8	80.6	10.5	7	Grayish olive	None	0.0	0.0	0.0	0.0	0.2	0.1	54.7	45.0	44.9	2.654	Silt	28	65	93			
2013/6/28					Cloudy	20.1	6.4	15.0	5	Dark olive gray	Faint drain	0.0	0.0	0.1	0.6	27.9	50.4	10.4	10.5	62.1	2.711	Sand/silt	32	79	111				
66	Lake Kama (Shimokubo Dam)	Center	Fujioka City	2013/8/15	Sunny	28.9	7.7	15.1	7	Faint hydrogen sulfide	Medium drain	0.0	0.0	0.0	0.1	0.3	8.1	68.3	23.3	39.5	2.508	Silt	230	490	720				
				2013/10/21	Cloudy	19.9	14.6	13.5	7	Dim yellowish orange	Medium drain	0.0	0.0	0.0	0.0	0.1	1.7	63.8	34.4	36.0	2.474	Silt	210	400	610				
				2013/12/9	Sunny	8.2	14.2	6.0	7	Faint hydrogen sulfide	None	0.0	0.0	0.4	0.4	0.3	3.5	73.3	22.2	39.9	2.552	Silt	230	550	770				
				2013/5/28	Cloudy	18.0	34.0	6.5	10	Blackish brown	None	0.0	0.0	0.0	0.2	0.2	4.7	71.7	23.2	46.7	2.497	Silt	210	440	650				
				2013/7/30	Sunny	31.1	25.8	8.1	10	Faint hydrogen sulfide	None	0.0	0.0	0.1	0.4	0.6	3.6	65.2	30.0	44.7	2.499	Silt	300	710	1,010				
67	Lake Hebikani (Shiozawa Dam)	Center	Kanna Town	2013/10/22	Cloudy	16.2	29.4	16.2	7	Dim yellowish orange	Medium drain	0.0	0.0	0.0	0.0	0.1	0.9	70.7	28.3	40.1	2.527	Silt	210	510	720				
				2013/12/11	Sunny	4.2	21.9	9.0	7	Grayish olive	None	0.0	0.0	0.0	0.0	0.3	5.1	66.6	28.0	46.4	2.644	Silt	470	1,200	1,670				
				2013/5/27	Sunny	24.6	26.9	14.2	10	Dark olive brown	faint earth	0.0	0.0	0.0	0.3	0.2	1.2	45.6	52.7	29.0	2.511	Silt	19	43	62				
				2013/7/30	Sunny	28.1	28.2	6.8	10	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.0	0.1	0.3	54.4	45.3	27.0	2.550	Silt	63	140	203				
				2013/10/2	Cloudy	24.6	27.1	10.2	6	Blackish brown	Faint drain	0.0	0.0	0.0	0.0	0.2	0.3	37.2	62.2	24.3	2.504	Silt	230	580	810				
68	Watarase River Area	Lake Kusaki (Kusaki Dam)	Center	Midori City	2013/12/5	Sunny	10.9	23.6	9.8	8	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.2	58.7	40.9	25.0	2.511	Silt	65	180	245			
					2013/6/18	Cloudy	16.8	7.3	11.6	6	Dim yellowish orange	None	0.0	0.0	0.3	0.3	1.0	4.1	69.5	24.8	28.7	2.361	Silt	22	60	82			
					2013/8/8	Cloudy	24.8	19.6	16.9	8	Dim yellowish brown	None	0.0	0.0	1.4	2.1	3.6	5.3	56.0	31.6	29.7	2.425	Silt	170	490	660			
					2013/10/23	Cloudy	9.2	7.4	12.3	7	Olive brown	None	0.0	0.0	0.0	0.1	0.1	0.5	81.4	18.0	27.8	2.422	Silt	480	1,100	1,580			
					2013/11/27	Sunny	6.4	21.6	5.4	8	Faint hydrogen sulfide	None	0.0	0.0	0.6	0.3	1.1	2.4	77.2	18.2	30.0	2.366	Silt	61	120	181			
69	Lake Uneda (Kiryugawa Dam)	Center	Kiryu City	2013/5/24	Sunny	27.0	1.6	25.8	10	Faint hydrogen sulfide	faint earth	0.0	0.0	0.0	0.1	0.7	3.5	72.0	23.6	18.3	2.341	Silt	160	380	540				
				2013/8/19	Sunny	35.8	1.8	33.0	7	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.5	4.4	4.3	58.3	32.5	20.2	2.446	Silt	71	230	301				
				2013/10/1	Cloudy	23.0	1.3	22.6	6	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.3	3.1	2.1	72.8	21.7	20.3	2.430	Silt	91	200	291				
				2013/12/13	Sunny	11.2	1.4	9.6	8	Faint hydrogen sulfide	faint earth	0.0	0.0	0.0	0.1	1.2	2.1	66.3	30.3	17.4	1.950	Silt	230	440	670				
				2013/5/24	Sunny	31.2	6.6	16.9	10	Faint hydrogen sulfide	faint earth	0.0	0.0	0.0	0.1	0.1	0.3	72.6	27.0	19.1	2.304	Silt	510	930	1,440				
70	Nakatsu River	Lake Nozori (Nozori Dam)	Center	Nakanoyo Town	2013/8/19	Sunny	30.6	6.0	23.9	9	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.1	53.0	46.8	17.6	2.316	Silt	280	670	950			
					2013/10/1	Cloudy	22.0	5.1	19.6	7	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.1	52.2	47.6	19.6	2.341	Silt	170	360	530			
					2013/12/13	Sunny	4.0	4.5	9.0	8	Faint hydrogen sulfide	Dim yellow	0.0	0.0	0.0	0.0	0.0	0.1	61.4	38.5	18.1	2.352	Silt	370	870	1,240			
71	Lake Jonuma	Center	Tatebayashi City	2013/8/19	Sunny	31.2	6.6	16.9	10	Faint hydrogen sulfide	faint earth	0.0	0.0	0.0	0.1	0.1	0.3	72.6	27.0	19.1	2.304	Silt	510	930	1,440				
				2013/8/19	Sunny	30.6	6.0	23.9	9	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.1	53.0	46.8	17.6	2.316	Silt	280	670	950				
				2013/10/1	Cloudy	22.0	5.1	19.6	7	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.1	52.2	47.6	19.6	2.341	Silt	170	360	530				
72	Lake Tataranuma	Center		2013/10/1	Cloudy	22.0	5.1	19.6	7	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.1	52.2	47.6	19.6	2.341	Silt	170	360	530				
				2013/12/13	Sunny	4.0	4.5	9.0	8	Faint hydrogen sulfide	Dim yellow	0.0	0.0	0.0	0.0	0.0	0.1	61.4	38.5	18.1	2.352	Silt	370	870	1,240				

群馬県 湖沼・水源地（周辺環境） 1/3

No.	Water area	Location		Municipality	Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)						Remarks		
								Soil			Air Dose (μSv/h)					
								General items								
								Color	Odor	Property		Activity concentration [Bq/kg(dry)]				
Radioactive cesium																
			Cs-134	Cs-137	Total											
L a k e s a n d R e s e r v o i r s	Tonegawa River	Lake Okutone (Yagisawa Dam)	Center	Minakami Town	2013/6/27	Sunny	22.1	Brown	faint earth	Loamy	140	250	390	0.19		
					2013/8/2	Cloudy	23.2	Dim yellowish brown	faint earth	Loamy	48	90	138	0.17		
					2013/10/7	Sunny	20.0	Brown	faint earth	Loamy	230	500	730	0.19		
		50	Lake Naramata (Naramata Dam)		Center	2013/11/28	Cloudy	0.4	Dim yellowish brown	faint earth	Loamy	140	340	480	0.18	
						2013/6/27	Sunny	25.0	Dim yellowish orange	faint earth	Sandy	140	280	420	0.22	
						2013/8/2	Sunny	26.1	Dim yellowish brown	faint earth	Sandy	80	150	230	0.22	
		51	Lake Dogen (Sudagai Dam)		Center	2013/10/7	Sunny	27.4	Dim yellowish brown	faint earth	Loamy	85	200	285	0.21	
						2013/11/28	Cloudy	1.9	Yellowish brown	faint earth	Loamy	220	470	690	0.26	
						2013/6/26	Cloudy	19.0	Blackish brown	faint earth	Loamy	360	760	1,120	0.26	
		52	Lake Marunuma (Marunuma Dam)		Center	Katashina Village	2013/8/5	Cloudy	22.4	Blackish brown	faint earth	Loamy	400	840	1,240	0.22
							2013/10/8	Sunny	20.1	Dark brown	faint earth	Loamy	440	1,000	1,440	0.22
							2013/12/6	Sunny	2.4	Dark brown	faint earth	Loamy	210	520	730	0.23
53	Lake Fujiwara (Fujiwara Dam)	Center	Minakami Town	2013/6/24	Sunny	17.9	Blackish brown	faint earth	Loamy	40	96	136	0.11			
				2013/7/31	Sunny	21.4	Dim yellowish brown	faint earth	Loamy	49	110	159	0.11			
				2013/10/3	Cloudy	16.3	Brown	Dim yellow	Loamy	14	23	37	0.11			
54	Lake Tanbara (Tanbara Dam)	Center	Numata City	2013/12/4	Sunny	1.2	Blackish brown	faint earth	Loamy	32	86	118	0.11			
				2013/7/1	Cloudy	24.8	Dark brown	faint earth	Loamy	410	890	1,300	0.09			
				2013/8/5	Cloudy	28.2	Dark brown	faint earth	Loamy	580	1,400	1,980	0.07			
55	Lake Akaya (Aimata Dam)	Center	Minakami Town	2013/10/8	Cloudy	22.7	Blackish brown	faint earth	Loamy	320	730	1,050	0.07			
				2013/12/6	Sunny	13.0	Dark brown	faint earth	Loamy	250	660	910	0.08			
				2013/6/25	Cloudy	20.9	Dark brown	faint earth	Loamy	140	280	420	0.15			
56	Lake Sonohara (Sonohara Dam)	Center	Numata City	2013/8/6	Cloudy	26.1	Blackish brown	faint earth	Loamy	1,000	2,200	3,200	0.17			
				2013/10/9	Cloudy	16.5	Brown	faint earth	Loamy	170	350	520	0.20			
				2013/12/2	Sunny	7.7	Black	faint earth	Loamy	120	250	370	0.23			
57	Lake Akagionuma	Center	Maebashi City	2013/6/14	Sunny	21.8	Brown	faint earth	Loamy	360	690	1,050	0.13			
				2013/8/6	Sunny	27.6	Black	faint earth	Loamy	310	710	1,020	0.11			
				2013/10/9	Cloudy	22.6	Blackish brown	faint earth	Loamy	300	710	1,010	0.13			
57	Lake Akagionuma	Center	Maebashi City	2013/12/2	Sunny	13.1	Blackish brown	faint earth	Loamy	430	1,100	1,530	0.12			
				2013/6/20	Cloudy	21.1	Blackish brown	faint earth	Loamy	350	740	1,090	0.10			
				2013/8/1	Cloudy	27.8	Dark brown	faint earth	Loamy	270	580	850	0.12			
				2013/10/4	Cloudy	17.4	Blackish brown	Dim yellow	Loamy	97	230	327	0.10			
57	Lake Akagionuma	Center	Maebashi City	2013/12/3	Sunny	6.2	Black	faint earth	Loamy	220	500	720	0.11			
				2013/6/21	Cloudy	14.9	Blackish brown	faint earth	Loamy	550	1,200	1,750	0.13			
				2013/7/31	Sunny	24.1	Dark brown	faint earth	Loamy	270	680	950	0.10			
57	Lake Akagionuma	Center	Maebashi City	2013/10/3	Sunny	15.0	Very dark reddish br	faint earth	Loamy	180	390	570	0.10			
				2013/12/4	Cloudy	2.4	Blackish brown	faint earth	Loamy	180	420	600	0.10			

群馬県 湖沼・水源地（周辺環境） 2/3

L a k e s a n d R e s e r v o i r s	Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)						Remarks	
	No.	Water area	Location	Municipality				Soil			Air Dose (μSv/h)				
								General items							
								Color	Odor	Property		Activity concentration [Bq/kg(dry)]			
Radioactive cesium															
						Cs-134	Cs-137	Total							
58	Agatsuma River Area	Lake Okushima Lake (Sonohara Dam)	Center	Nakanojo Town	2013/6/17	Sunny	24.1	Dark brown	faint earth	Loamy	580	1,200	1,780	0.22	
					2013/8/7	Sunny	25.2	Blackish brown	Dim yellow	Loamy	2,600	5,700	8,300	0.16	
					2013/10/10	Cloudy	22.4	Blackish brown	faint earth	Loamy	2,300	5,300	7,600	0.20	
		2013/12/13	Sunny		7.6	Grayish brown	faint earth	Loamy	1,100	2,700	3,800	0.23			
		2013/6/17	Cloudy		27.9	Dark brown	faint earth	Loamy	230	490	720	0.11			
		2013/8/7	Sunny		28.1	Dark brown	faint earth	Loamy	230	500	730	0.09			
	59	Agatsuma River Area	Lake Shimako (Nakanojo Dam)	Center	Nakanojo Town	2013/10/10	Cloudy	22.5	Dark brown	faint earth	Loamy	99	220	319	0.10
						2013/12/13	Sunny	4.2	Blackish brown	faint earth	Loamy	240	600	840	0.11
						2013/6/13	Light rain	19.7	Blackish brown	faint earth	Loamy	180	410	590	0.10
			2013/8/9	Sunny		25.6	Dark brown	faint earth	Loamy	270	630	900	0.09		
			2013/10/15	Cloudy		13.4	Brown	faint earth	Loamy	200	500	700	0.08		
			2013/11/27	Sunny		7.6	Blackish brown	faint earth	Loamy	410	1,000	1,410	0.09		
60	Agatsuma River Area	Lake Tashiro (Kazawa Dam)	Center	Tsumagoi Village	2013/6/11	Cloudy	14.4	Blackish brown	faint earth	Loamy	650	1,300	1,950	0.28	
					2013/8/13	Cloudy	23.9	Dark reddish brown	faint earth	Loamy	920	2,000	2,920	0.28	
					2013/10/24	Cloudy	14.9	Blackish brown	faint earth	Loamy	310	720	1,030	0.24	
		2013/12/5	Sunny		11.0	Reddish black	faint earth	Loamy	280	650	930	0.23			
		2013/6/10	Sunny		23.9	Light brown	faint earth	Loamy	240	560	800	0.10			
		2013/8/12	Sunny		27.8	Dim reddish brown	faint earth	Loamy	520	1,100	1,620	0.11			
	61	Karasu River	Lake Kirizumi (Kirizumi Dam)	Center	Annaka City	2013/10/17	Sunny	15.2	Brown	faint earth	Loamy	200	450	650	0.10
						2013/12/10	Sunny	9.1	Brown	faint earth	Loamy	260	650	910	0.11
						2013/6/10	Sunny	22.8	Blackish brown	faint earth	Loamy	480	1,100	1,580	0.10
			2013/8/12	Sunny		29.8	Blackish brown	faint earth	Loamy	280	570	850	0.10		
			2013/10/17	Sunny		15.6	Blackish brown	faint earth	Loamy	370	870	1,240	0.10		
			2013/12/10	Light rain		6.2	Grayish brown	faint earth	Loamy	210	510	720	0.10		
62	Karasu River	Lake Usuiko (Sakamoto Dam)	Center	Annaka City	2013/6/4	Sunny	19.9	Dark brown	Faint grass	Loamy	260	510	770	0.11	
					2013/8/14	Sunny	26.3	Blackish brown	faint earth	Loamy	190	410	600	0.10	
					2013/10/18	Cloudy	17.2	Blackish brown	faint earth	Loamy	100	230	330	0.10	
		2013/12/6	Sunny		14.5	Reddish black	faint earth	Loamy	160	350	510	0.09			
		2013/6/3	Sunny		22.4	Brown	faint earth	Loamy	260	550	810	0.10			
		2013/8/14	Sunny		31.1	Brown	faint earth	Loamy	130	320	450	0.09			
63	Karasu River	Lake Oshio (Oshio Dam)	Center	Tomioka City	2013/10/18	Sunny	21.9	Blackish brown	faint earth	Loamy	120	260	380	0.10	
					2013/12/6	Sunny	18.5	Dim brown	faint earth	Loamy	310	770	1,080	0.11	
					2013/5/31	Sunny	24.6	Blackish brown	faint earth	Loamy	120	240	360	0.06	
		2013/8/27	Sunny		28.0	Blackish brown	faint earth	Loamy	62	140	202	0.06			
		2013/10/21	Sunny		17.9	Blackish brown	faint earth	Loamy	20	42	62	0.05			
		2013/12/9	Sunny		0.8	Dim yellowish brown	faint earth	Loamy	100	250	350	0.06			
64	Karasu River	Lake Arafune (Dodairagawa Dam)	Center	Shimonita Town	2013/5/31	Sunny	24.6	Blackish brown	faint earth	Loamy	120	240	360	0.06	
					2013/8/27	Sunny	28.0	Blackish brown	faint earth	Loamy	62	140	202	0.06	
					2013/10/21	Sunny	17.9	Blackish brown	faint earth	Loamy	20	42	62	0.05	
		2013/12/9	Sunny		0.8	Dim yellowish brown	faint earth	Loamy	100	250	350	0.06			
		2013/5/31	Sunny		24.6	Blackish brown	faint earth	Loamy	120	240	360	0.06			
		2013/8/27	Sunny		28.0	Blackish brown	faint earth	Loamy	62	140	202	0.06			
65	Karasu River	Lake Kanna (Shimokubo Dam)	Center	Fujioka City	2013/10/21	Sunny	17.9	Blackish brown	faint earth	Loamy	20	42	62	0.05	
					2013/12/9	Sunny	0.8	Dim yellowish brown	faint earth	Loamy	100	250	350	0.06	
					2013/5/31	Sunny	24.6	Blackish brown	faint earth	Loamy	120	240	360	0.06	
		2013/8/27	Sunny		28.0	Blackish brown	faint earth	Loamy	62	140	202	0.06			
		2013/10/21	Sunny		17.9	Blackish brown	faint earth	Loamy	20	42	62	0.05			
		2013/12/9	Sunny		0.8	Dim yellowish brown	faint earth	Loamy	100	250	350	0.06			

群馬県 湖沼・水源地（周辺環境） 3/3

	Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)						Remarks	
								Soil			Air Dose (μSv/h)				
	General items														
	No.	Water area	Location	Municipality				Color	Odor	Property		Activity concentration [Bq/kg(dry)]			
Radioactive cesium															
							Cs-134	Cs-137	Total						
L a k e s a n d R e s e r v o i r s	67	Karasu River	Lake Hebikami (Shiozawa Dam)	Center	Kanna Town	2013/6/28	Cloudy	20.1	Dim yellowish brown	faint earth	Loamy	130	250	380	0.09
						2013/8/15	Sunny	28.9	Olive brown	faint earth	Loamy	96	220	316	0.06
						2013/10/21	Cloudy	19.9	Grayish brown	faint earth	Loamy	73	170	243	0.09
	68	Watarase River Area	Lake Kusaki (Kusaki Dam)	Center	Midori City	2013/12/9	Sunny	8.2	Dim yellowish brown	faint earth	Loamy	27	70	97	0.08
						2013/5/28	Cloudy	18.0	Yellowish brown	Faint grass	Sandy	280	550	830	0.17
						2013/7/30	Sunny	31.1	Dark brown	faint earth	Loamy	380	810	1,190	0.14
						2013/10/22	Cloudy	16.2	Dark reddish brown	faint earth	Loamy	160	350	510	0.15
						2013/12/11	Sunny	4.2	Blackish brown	faint earth	Loamy	210	520	730	0.12
	69	Watarase River Area	Lake Umeda (Kiryugawa Dam)	Center	Kiryu City	2013/5/27	Sunny	24.6	Olive black	Faint grass	Loamy	240	500	740	0.08
						2013/7/30	Sunny	28.1	Brown	faint earth	Loamy	220	420	640	0.08
						2013/10/2	Cloudy	24.6	Dim yellowish orange	faint earth	Loamy	91	230	321	0.08
						2013/12/5	Sunny	10.9	Brown	faint earth	Loamy	150	320	470	0.07
	70	Nakatsu River	Lake Nozori (Nozori Dam)	Center	Nakanojo Town	2013/6/18	Cloudy	16.8	Dark brown	faint earth	Loamy	320	690	1,010	0.06
						2013/8/8	Cloudy	24.8	Brown	faint earth	Loamy	130	290	420	0.06
						2013/10/23	Cloudy	9.2	Dark brown	faint earth	Loamy	61	150	211	0.06
						2013/11/27	Sunny	6.4	Blackish brown	faint earth	Loamy	240	640	880	0.07
71	Lake Jonuma		Center	Tatebayashi City	2013/5/24	Sunny	27.0	Olive black	Faint grass	Loamy	86	160	246	0.06	
					2013/8/19	Sunny	35.8	Yellowish brown	faint earth	Loamy	86	150	236	0.05	
					2013/10/1	Cloudy	23.0	Dark reddish brown	faint earth	Loamy	52	130	182	0.05	
					2013/12/13	Sunny	11.2	Dark reddish brown	faint earth	Loamy	77	160	237	0.05	
72	Lake Tataranuma		Center	Tatebayashi City	2013/5/24	Sunny	31.2	Olive black	Faint grass	Loamy	110	220	330	0.06	
					2013/8/19	Sunny	30.6	Reddish brown	faint earth	Loamy	99	240	339	0.06	
					2013/10/1	Cloudy	22.0	Dark brown	faint earth	Loamy	110	250	360	0.07	
					2013/12/13	Sunny	4.0	remely dark reddish br	faint earth	Loamy	130	340	470	0.07	

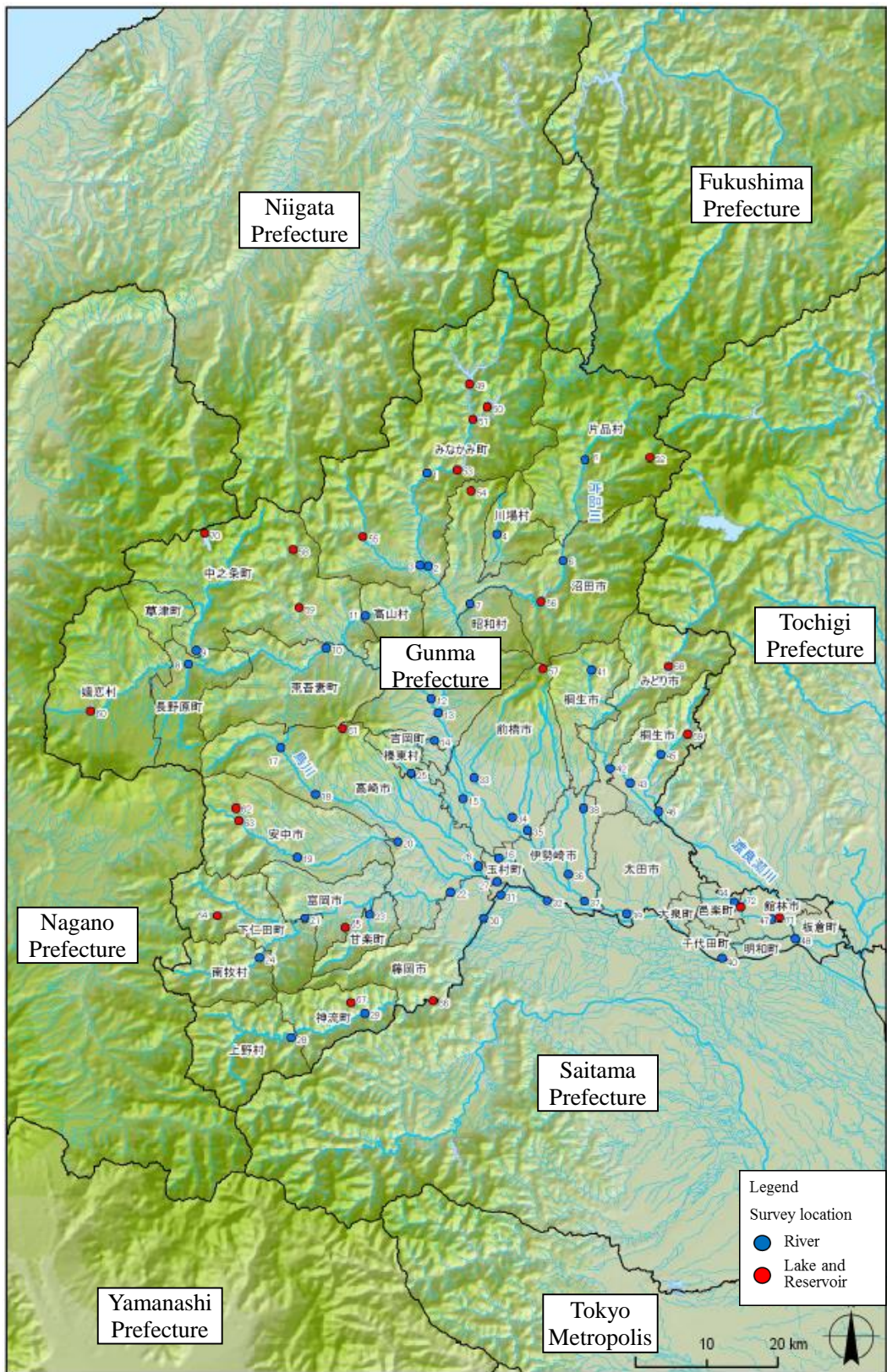


Figure 3.5.7 Survey Locations (Gunma Prefecture)