

FY2015 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 - 310 Bq/kg (dry)

Cs-137: 0.98 - 1,200 Bq/kg (dry)

Lakes and reservoirs

Cs-134: 9.2 - 970 Bq/kg (dry)

Cs-137: 47 - 3,600 Bq/kg (dry)

(3) Surrounding Environment

(a) Soil

Rivers

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

Cs-137: 3.4 - 5,900 Bq/kg (dry)

Lakes and reservoirs

Cs-134: ND - 1,700 Bq/kg (dry)

Cs-137: 12 - 5,800 Bq/kg (dry)

(b) Ambient dose rate

Rivers

0.03 - 0.21 μ Sv/h

Lakes and reservoirs

0.04 - 0.18 μ Sv/h

Gunma Rivers (Water) 1/5

No.	Location				Sampling Date	Weather	Air temperature (C)	Water depth (m)	Water							Remarks			
	Water area	Location	Municipality	Water temperature (C)					Sampling depth (m)	General items			Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)		Activity concentration(Bq/L)		
										Color	Odor	Transparency (cm)					Cs-134	Cs-137	
Rivers	Tonegawa River System	Tonegawa River Area	Hirose Bridge	Minakami Town	2015/6/5	Cloudy	14.3	0.3	14.8	0.0	Grayish yellow green	None	>100	2.6	1	1.2	<0.91	<0.75	
					2015/8/6	Cloudy	24.1	0.3	14.1	0.0	Grayish yellowish green	None	52	2.9	11	4.6	<0.78	<0.92	
					2015/11/17	Cloudy	13.5	0.3	12.1	0.0	Light grayish greenish yellow	None	65	4.8	5	3.2	<0.58	<0.80	
					2016/1/7	Snow	2.6	0.3	4.9	0.0	Light grayish greenish yellow	None	>100	4.9	<1	0.5	<0.75	<0.80	
					2015/5/25	Sunny	25.2	0.5	8.0	0.0	Light grayish yellowish green	None	>100	2.9	2	1.3	<0.69	<0.69	
					2015/6/23	Sunny	24.3	0.3	14.6	0.0	Light grayish yellowish green	None	>100	5.0	<1	0.6	<0.80	<0.80	
					2015/7/6	Cloudy	19.6	0.5	14.8	0.0	Light grayish yellowish green	None	>100	6.1	<1	1.9	<0.69	<0.88	
		2015/8/3	Sunny	27.8	0.5	18.3	0.0	Light grayish yellow green	None	40	5.3	10	9.1	<0.74	<0.75				
		2015/9/18	Sunny	23.8	0.3	17.2	0.0	Light grayish yellow green	None	65	7.0	5	2.3	<0.61	<0.63				
		2015/11/18	Sunny	14.4	0.4	12.0	0.0	Light grayish yellow green	None	75	6.6	2	0.8	<0.72	<0.88				
		2016/1/7	Sunny	7.5	0.4	7.0	0.0	Light grayish yellow green	None	>100	5.1	6	1.0	<0.83	<0.88				
		2015/5/25	Sunny	26.0	0.5	12.2	0.0	Light grayish yellowish green	None	>100	6.6	<1	0.8	<0.74	<0.81				
		2015/8/3	Sunny	33.2	0.5	19.2	0.0	Light grayish greenish yellow	None	30	7.7	13	12	<0.65	<0.69				
		2015/11/18	Cloudy	16.2	0.4	12.8	0.0	Light grayish yellow green	None	>100	13.5	<1	0.5	<0.68	<0.80				
	2016/1/7	Sunny	6.9	0.4	6.6	0.0	Light grayish yellow green	None	>100	10.0	<1	0.7	<0.69	<0.75					
	2015/5/27	Sunny	26.1	0.2	14.9	0.0	Light grayish yellow green	None	>100	5.2	1	0.4	<0.83	<0.88					
	2015/6/23	Sunny	24.9	0.2	14.9	0.0	Light grayish yellow green	None	>100	5.8	<1	0.3	<0.84	<0.61					
	2015/7/6	Cloudy	20.2	0.2	13.8	0.0	Light grayish yellow green	None	>100	5.9	2	1.6	<0.71	<0.75					
	2015/8/24	Cloudy	23.7	0.3	15.7	0.0	Light grayish yellow green	None	>100	6.3	4	1.2	<0.75	<0.96					
	2015/9/18	Cloudy	18.2	0.2	14.0	0.0	Light grayish yellowish green	None	>100	5.9	2	0.4	<0.57	<0.92					
	2015/11/21	Sunny	14.0	0.2	10.4	0.0	Light grayish yellow green	None	>100	6.2	<1	0.1	<0.82	<0.75					
	2016/1/8	Sunny	8.2	0.2	5.2	0.0	Light grayish yellow green	None	>100	6.4	<1	0.2	<0.54	<0.69					
	2015/5/27	Sunny	24.6	0.3	8.9	0.0	Light grayish yellow	None	>100	3.7	<1	0.3	<0.80	<0.69					
	2015/8/4	Sunny	29.9	0.3	20.9	0.0	Light grayish yellow	None	>100	5.2	<1	0.6	<0.70	<0.75					
	2015/11/21	Sunny	13.6	0.3	8.7	0.0	Light grayish yellow	None	>100	4.2	<1	0.2	<0.64	<0.84					
	2016/1/8	Sunny	2.9	0.3	2.2	0.0	Light grayish yellow	None	>100	5.7	<1	0.3	<0.85	<0.84					
	2015/5/27	Sunny	28.0	0.5	14.3	0.0	Light grayish yellow	None	>100	6.7	<1	0.4	<0.81	<0.78					
	2015/6/23	Sunny	24.5	0.5	18.4	0.0	Light grayish yellow	None	>100	8.8	<1	0.3	<0.82	<0.92					
2015/7/6	Cloudy	20.1	0.5	15.4	0.0	Light grayish yellow	None	>100	9.2	<1	0.7	<0.52	<0.80						
2015/8/4	Sunny	30.3	0.5	23.7	0.0	Light grayish yellow	None	>100	8.9	<1	0.6	<0.71	<0.75						
2015/9/18	Cloudy	21.2	0.6	15.8	0.0	Light grayish yellow green	None	92	8.0	3	1.0	<0.75	<0.88						
2015/11/21	Sunny	16.5	0.4	9.4	0.0	Light grayish yellow	None	>100	8.5	<1	0.3	<0.76	<0.63						
2016/1/8	Sunny	6.4	0.4	3.4	0.0	Light grayish yellow	None	>100	11.9	<1	0.4	<0.66	<0.84						
2015/5/27	Sunny	29.4	0.6	13.6	0.0	Light grayish greenish yellow	None	>100	7.3	2	0.6	<0.69	<0.69						
2015/6/23	Sunny	28.2	0.6	16.7	0.0	Light grayish greenish yellow	None	70	9.7	11	2.8	<0.80	<0.75						
2015/7/6	Cloudy	19.3	0.5	16.3	0.0	Light grayish greenish yellow	None	80	9.6	8	2.4	<0.69	<0.84						
2015/8/3	Sunny	32.4	0.6	22.8	0.0	Grayish yellow	None	30	11.8	14	12	<0.65	<0.84						
2015/9/18	Cloudy	22.9	0.6	15.8	0.0	Light grayish yellow green	None	55	9.5	7	3.6	<0.70	<0.63						
2015/11/18	Cloudy	15.8	0.5	12.4	0.0	Grayish greenish yellow	None	>100	12.6	<1	0.5	<0.66	<0.84						
2016/1/8	Sunny	9.7	0.5	6.3	0.0	Grayish greenish yellow	None	>100	14.2	<1	0.5	<0.67	<0.75						
2015/5/28	Sunny	22.1	0.3	13.0	0.0	Light grayish yellow green	None	33	25.2	19	11	<0.86	<0.63						
2015/8/27	Sunny	24.8	0.5	17.1	0.0	Light grayish yellow green	None	34	21.7	22	13	<0.78	<0.80						
2015/11/20	Cloudy	9.9	0.4	9.4	0.0	Light grayish yellow green	None	47	20.6	16	9.5	<0.84	<0.88						
2016/1/8	Sunny	3.8	0.5	3.4	0.0	Light grayish yellow green	None	44	22.6	15	9.3	<0.70	<0.92						
2015/5/28	Cloudy	20.1	0.4	14.5	0.0	Light grayish yellow green	None	>100	16.7	<1	0.2	<0.83	<0.75						
2015/8/27	Sunny	24.8	0.6	20.1	0.0	Light grayish yellow green	None	46	41.6	9	7.8	<0.81	<0.84						
2015/11/20	Cloudy	9.1	0.4	10.3	0.0	Light grayish yellow green	None	67	31.3	6	6.8	<0.99	<0.69						
2016/1/8	Sunny	5.1	0.6	3.8	0.0	Light grayish yellow green	None	>100	15.2	<1	0.3	<0.84	<0.99						

Gunma Rivers (Water) 2/5

No.	Location			Sampling Date	Weather	Air temperature (C)	Water depth (m)	Water								Remarks		
	Water area	Location	Municipality					Water temperature (C)	Sampling depth (m)	General items			Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)		Activity concentration(Bq/L)	
										Color	Odor	Transparency (cm)					Radioactive cesium	
						Cs-134	Cs-137											
10	Agatsuma River	Downstream of Azuma Bridge	Higashi-Agatsuma Town	2015/5/25	Sunny	27.0	0.4	20.4	0.0	Light grayish yellowish green	None	>100	27.2	3	2.2	<-0.75	<-0.70	
				2015/6/30	Cloudy	21.5	0.4	19.3	0.0	Light grayish yellowish green	None	48	23.0	10	6.6	<-0.83	<-0.92	
				2015/7/7	Cloudy	22.5	0.4	18.9	0.0	Grayish yellowish green	None	55	27.5	8	5.5	<-0.63	<-0.69	
				2015/8/25	Cloudy	18.2	0.3	18.2	0.0	Light grayish yellow green	None	85	21.0	4	2.5	<-0.51	<-0.69	
				2015/9/3	Cloudy	28.7	0.5	22.0	0.0	Light grayish yellow green	None	48	21.7	10	6.2	<-0.66	<-0.75	
				2015/11/20	Sunny	14.6	0.4	12.5	0.0	Light grayish yellow green	None	31	22.7	20	15	<-0.65	<-0.75	
				2016/1/8	Sunny	10.8	0.5	4.9	0.0	Light grayish yellow green	None	>100	22.8	1	0.5	<-0.68	<-0.88	
				2015/5/25	Sunny	27.2	0.4	20.2	0.0	Light grayish yellow green	None	93	13.2	3	2.0	<-0.54	<-0.63	
				2015/8/3	Sunny	32.5	0.4	24.1	0.0	Light grayish yellow green	None	62	10.5	10	2.7	<-0.83	<-0.63	
				2015/11/20	Sunny	16.9	0.3	12.4	0.0	Light grayish yellow green	None	>100	11.4	2	1.0	<-0.80	<-0.55	
11	Nakuta River	Tonoda Bridge	Takayama Village	2016/1/7	Sunny	7.7	0.4	5.1	0.0	Light grayish yellow green	None	>100	12.9	1	0.5	<-0.82	<-0.84	
				2015/5/25	Sunny	26.8	0.3	21.7	0.0	Light grayish yellow green	None	>100	22.1	3	1.9	<-0.77	<-0.61	
12	Agatsuma River	Agatsuma Bridge	Shibukawa City	2015/6/30	Cloudy	22.0	0.3	17.4	0.0	Light grayish yellow green	None	52	17.4	9	4.6	<-0.78	<-0.63	
				2015/7/7	Cloudy	22.6	0.3	17.6	0.0	Light grayish yellow green	None	81	16.2	7	3.3	<-0.63	<-0.84	
				2015/8/10	Sunny	29.4	0.3	24.8	0.0	Light grayish greenish yellow	None	>100	18.0	2	1.0	<-0.51	<-0.63	
				2015/9/3	Sunny	27.0	0.5	18.7	0.0	Light grayish yellow green	None	72	15.0	12	4.1	<-0.74	<-0.63	
				2015/11/6	Sunny	17.9	0.3	12.0	0.0	Light grayish yellow green	None	>100	23.8	1	1.0	<-0.70	<-0.75	
				2016/1/12	Cloudy	7.9	0.5	4.6	0.0	Light grayish yellow green	None	38	24.8	16	14	<-0.68	<-0.92	
				2015/5/26	Sunny	21.5	0.4	9.3	0.0	Grayish yellow green	None	>100	4.3	2	1.4	<-0.72	<-0.60	
				2015/6/30	Cloudy	22.5	0.4	17.1	0.0	Grayish yellow green	None	>100	13.9	7	2.2	<-0.76	<-0.80	
				2015/7/7	Cloudy	22.1	0.5	16.8	0.0	Grayish yellow green	None	76	15.9	10	2.4	<-0.59	<-0.88	
				2015/8/10	Sunny	30.4	0.5	17.3	0.0	Light grayish yellow green	None	52	5.7	13	5.7	<-0.85	<-0.69	
13	Tonegawa River	Taisho Bridge	Shibukawa City	2015/9/3	Sunny	25.0	0.5	18.8	0.0	Dark grayish yellow green	None	90	10.8	22	4.0	<-0.86	<-0.84	
				2015/11/6	Sunny	19.9	0.5	14.2	0.0	Light grayish yellow green	None	>100	19.1	3	0.8	<-0.54	<-0.69	
				2016/1/12	Cloudy	6.7	0.5	6.2	0.0	Light grayish yellow green	None	72	17.5	6	4.5	<-0.54	<-0.80	
				2015/5/26	Sunny	25.8	0.2	22.0	0.0	Light grayish yellow green	None	>100	20.4	2	0.8	<-0.88	<-0.80	
				2015/8/10	Sunny	28.7	0.2	27.5	0.0	Light grayish yellow green	None	>100	23.5	2	0.5	<-0.67	<-0.63	
				2015/11/6	Sunny	26.5	0.2	15.2	0.0	Light grayish yellow green	None	>100	25.1	1	0.5	<-0.71	<-0.75	
				2016/1/12	Cloudy	8.6	0.2	8.4	0.0	Light grayish yellow green	None	>100	30.2	2	0.9	<-0.87	<-0.88	
				2015/5/22	Sunny	26.8	0.4	12.5	0.0	Light grayish yellow green	None	85	8.2	5	2.7	<-0.74	<-0.66	
				2015/8/27	Sunny	28.6	0.3	19.8	0.0	Light grayish greenish yellow	None	75	15.5	7	4.1	<-0.92	<-0.63	
				2015/11/9	Cloudy	17.9	0.4	12.8	0.0	Light grayish yellow green	None	70	15.7	7	4.5	<-0.58	<-0.96	
14	Takizawa River	Shintakizawa Bridge	Shibukawa City/Yoshioka Town	2016/1/14	Sunny	10.8	0.5	3.9	0.0	Light grayish yellow green	None	85	19.3	5	4.2	<-0.83	<-0.80	
				2015/5/22	Sunny	25.7	0.4	12.3	0.0	Light grayish yellowish green	None	85	8.7	5	3.0	<-0.78	<-0.66	
				2015/8/18	Sunny	27.2	0.3	20.7	0.0	Grayish yellow	None	30	12.8	62	23	<-0.62	<-0.66	
				2015/11/10	Cloudy	16.3	0.5	14.1	0.0	Light grayish yellowish green	None	50	19.9	8	3.9	<-0.76	<-0.75	
				2016/1/13	Sunny	5.6	0.5	6.3	0.0	Light grayish yellowish green	None	>100	19.2	4	3.1	<-0.73	<-0.69	
				2015/5/28	Sunny	25.6	0.2	19.6	0.0	Light grayish yellow	None	68	11.6	10	1.5	<-0.70	<-0.66	
				2015/8/27	Sunny	26.1	0.3	19.2	0.0	Light grayish yellow	None	>100	12.4	15	2.8	<-0.82	<-0.80	
				2015/11/12	Cloudy	15.0	0.3	11.6	0.0	Light grayish yellow	None	>100	11.8	2	0.5	<-0.81	<-0.75	
				2016/1/16	Sunny	3.7	0.3	5.5	0.0	Light grayish yellow	None	>100	11.0	1	0.5	<-0.70	<-0.80	
				2015/5/28	Cloudy	25.8	0.5	21.2	0.0	Grayish yellow	None	>100	13.7	3	1.4	<-0.86	<-0.84	
15	Tonegawa River	Gunma-ohashi Bridge	Maebashi City	2015/8/27	Cloudy	24.7	0.7	18.3	0.0	Grayish yellow	None	>100	8.9	6	1.7	<-0.57	<-0.75	
				2015/11/12	Cloudy	15.9	0.5	12.5	0.0	Light grayish yellow	None	>100	6.9	<1	0.3	<-0.84	<-0.84	
				2016/1/16	Sunny	9.2	0.7	5.7	0.0	Light grayish yellow	None	>100	11.7	2	0.4	<-0.89	<-0.69	
				2015/5/25	Sunny	23.5	0.3	20.6	0.0	Grayish yellow	None	>100	19.8	3	1.8	<-0.60	<-0.75	
				2015/8/18	Sunny	32.5	0.4	23.4	0.0	Grayish yellow	None	62	11.4	7	3.7	<-0.80	<-0.69	
				2015/11/12	Cloudy	11.0	0.3	12.8	0.0	Grayish yellow	None	>100	16.5	1	0.7	<-0.76	<-0.75	
				2016/1/16	Sunny	9.1	0.2	6.0	0.0	Light grayish yellow	None	>100	17.9	<1	0.6	<-0.70	<-0.55	
				2015/5/28	Cloudy	25.8	0.5	21.2	0.0	Grayish yellow	None	>100	13.7	3	1.4	<-0.86	<-0.84	
				2015/8/27	Cloudy	24.7	0.7	18.3	0.0	Grayish yellow	None	>100	8.9	6	1.7	<-0.57	<-0.75	
				2015/11/12	Cloudy	15.9	0.5	12.5	0.0	Light grayish yellow	None	>100	6.9	<1	0.3	<-0.84	<-0.84	
16	Tonegawa River	Fukushima Bridge	Tamamura Town	2016/1/16	Sunny	9.2	0.7	5.7	0.0	Light grayish yellow	None	>100	11.7	2	0.4	<-0.89	<-0.69	
				2015/5/25	Sunny	23.5	0.3	20.6	0.0	Grayish yellow	None	>100	19.8	3	1.8	<-0.60	<-0.75	
				2015/8/18	Sunny	32.5	0.4	23.4	0.0	Grayish yellow	None	62	11.4	7	3.7	<-0.80	<-0.69	
				2015/11/12	Cloudy	11.0	0.3	12.8	0.0	Grayish yellow	None	>100	16.5	1	0.7	<-0.76	<-0.75	
				2016/1/16	Sunny	9.1	0.2	6.0	0.0	Light grayish yellow	None	>100	17.9	<1	0.6	<-0.70	<-0.55	
				2015/5/28	Cloudy	25.8	0.5	21.2	0.0	Grayish yellow	None	>100	13.7	3	1.4	<-0.86	<-0.84	
				2015/8/27	Cloudy	24.7	0.7	18.3	0.0	Grayish yellow	None	>100	8.9	6	1.7	<-0.57	<-0.75	
				2015/11/12	Cloudy	15.9	0.5	12.5	0.0	Light grayish yellow	None	>100	6.9	<1	0.3	<-0.84	<-0.84	
				2016/1/16	Sunny	9.2	0.7	5.7	0.0	Light grayish yellow	None	>100	11.7	2	0.4	<-0.89	<-0.69	
				2015/5/25	Sunny	23.5	0.3	20.6	0.0	Grayish yellow	None	>100	19.8	3	1.8	<-0.60	<-0.75	
17	Nagai River	Kamigonda Bridge	Takasaki City	2015/8/18	Sunny	32.5	0.4	23.4	0.0	Grayish yellow	None	62	11.4	7	3.7	<-0.80	<-0.69	
				2015/11/12	Cloudy	11.0	0.3	12.8	0.0	Grayish yellow	None	>100	16.5	1	0.7	<-0.76	<-0.75	
				2016/1/16	Sunny	9.1	0.2	6.0	0.0	Light grayish yellow	None	>100	17.9	<1	0.6	<-0.70	<-0.55	
				2015/5/28	Cloudy	25.8	0.5	21.2	0.0	Grayish yellow	None	>100	13.7	3	1.4	<-0.86	<-0.84	
				2015/8/27	Cloudy	24.7	0.7	18.3	0.0	Grayish yellow	None	>100	8.9	6	1.7	<-0.57	<-0.75	
				2015/11/12	Cloudy	15.9	0.5	12.5	0.0	Light grayish yellow	None	>100	6.9	<1	0.3	<-0.84	<-0.84	
				2016/1/16	Sunny	9.2	0.7	5.7	0.0	Light grayish yellow	None	>100	11.7	2	0.4	<-0.89	<-0.69	
				2015/5/25	Sunny	23.5	0.3	20.6	0.0	Grayish yellow	None	>100	19.8	3	1.8	<-0.60	<-0.75	
				2015/8/18	Sunny	32.5	0.4	23.4	0.0	Grayish yellow	None	62	11.4	7	3.7	<-0.80	<-0.69	
				2015/11/12	Cloudy	11.0	0.3	12.8	0.0	Grayish yellow	None	>100	16.5	1	0.7	<-0.76	<-0.75	
18	Karasu River	Karasugawa Bridge	Amaki City	2016/1/16	Sunny	9.2	0.7	5.7	0.0	Light grayish yellow	None	>100	11.7	2	0.4	<-0.89	<-0.69	
				2015/5/25	Sunny	23.5	0.3	20.6	0.0	Grayish yellow	None	>100	19.8	3	1.8	<-0.60	<-0.75	
				2015/8/18	Sunny	32.5	0.4	23.4	0.0	Grayish yellow	None	62	11.4	7	3.7	<-0.80	<-0.69	
				2015/11/12	Cloudy	11.0	0.3	12.8	0.0	Grayish yellow	None	>100	16.5	1	0.7	<-0.76	<-0.75	
				2016/1/16	Sunny	9.1	0.2	6.0	0.0	Light grayish yellow	None	>100	17.9	<1	0.6	<-0.70	<-0.55	
				2015/5/28	Cloudy	25.8	0.5	21.2	0.0	Grayish yellow	None	>100	13.7	3	1.4	<-0.86	<-0.84	
				2015/8/27	Cloudy	24.7	0.7	18.3	0.0	Grayish yellow	None	>100	8.9	6	1.7	<-0.57	<-0.75	
				2015/11/12	Cloudy	15.9	0.5	1										

Gunma Rivers (Water) 3/5

No.	Location				Sampling Date	Weather	Air temperature (C)	Water depth (m)	Water										Remarks
	Water area	Location	Municipality	General items						Activity concentration(Bq/L)									
				Water temperature (C)					Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium			
																Cs-134	Cs-137		
20	Usui River	Hanataka Bridge	Takasaki City	2015/5/25	Sunny	26.3	0.4	24.5	0.0	Grayish yellow	None	75	78.0	5	2.6	<0.70	<0.74		
				2015/8/18	Sunny	32.2	0.6	26.0	0.0	Grayish yellow	None	44	15.4	11	5.4	<0.71	<0.61		
				2015/11/12	Cloudy	13.7	0.4	14.9	0.0	Light grayish yellow	None	>100	33.0	3	1.2	<0.58	<0.88		
				2016/1/16	Sunny	10.6	0.4	6.7	0.0	Grayish yellow	None	>100	47.6	<1	0.7	<0.65	<0.80		
21	Kabura River	Tadakawa Bridge	Shimonita Town	2015/5/25	Sunny	26.4	0.2	22.6	0.0	Light grayish yellow green	None	>100	33.5	<1	0.7	<0.76	<0.47		
				2015/8/27	Cloudy	22.9	0.3	18.5	0.0	Light grayish yellow green	None	>100	20.3	4	2.1	<0.67	<0.80		
				2015/11/13	Sunny	10.6	0.3	12.0	0.0	Light grayish yellow green	None	>100	30.4	<1	0.5	<0.61	<0.80		
				2016/1/19	Sunny	1.8	0.3	2.9	0.0	Light grayish yellow green	None	>100	31.3	3	1.0	<0.66	<0.84		
22	Kabura River	Kaburagawa Bridge	Takasaki City/Fujioka City	2015/5/22	Sunny	21.9	0.5	20.8	0.0	Light grayish yellow green	None	60	33.6	13	6.0	<0.73	<0.80		
				2015/8/18	Sunny	34.0	0.5	27.5	0.0	Light grayish greenish yellow	None	55	22.1	20	8.8	<0.75	<0.84		
				2015/11/11	Sunny	16.2	0.3	16.0	0.0	Light grayish yellow green	None	>100	33.1	3	1.5	<0.74	<0.75		
				2016/1/13	Sunny	8.2	0.5	4.4	0.0	Light grayish yellow green	None	>100	37.4	2	1.0	<0.70	<0.75		
23	Ogawa River	Kinzan Bridge	Kanra Town	2015/5/25	Sunny	25.4	0.2	19.5	0.0	Light grayish yellow green	None	>100	18.6	<1	0.5	<0.77	<0.74		
				2015/8/20	Cloudy	23.7	0.3	20.5	0.0	Grayish yellow green	None	42	12.6	14	3.8	<0.71	<0.66		
				2015/11/11	Sunny	14.4	0.2	12.7	0.0	Light grayish yellow green	None	>100	17.8	2	0.6	<0.83	<0.63		
				2016/1/19	Sunny	1.6	0.2	7.2	0.0	Light grayish yellow green	None	>100	18.2	2	0.9	<0.70	<0.63		
24	Nanmoku River	Ozawa Bridge	Nanmoku Village	2015/5/26	Sunny	25.5	0.3	19.4	0.0	Light grayish yellow green	None	>100	24.4	<1	0.2	<0.76	<0.75		
				2015/8/19	Sunny	29.7	0.3	23.6	0.0	Grayish yellow green	None	>100	16.5	<1	0.4	<0.72	<0.75		
				2015/11/13	Cloudy	11.9	0.3	11.1	0.0	Light grayish yellow green	None	>100	22.8	<1	0.4	<0.61	<0.80		
				2016/1/19	Sunny	2.5	0.2	1.1	0.0	Light grayish yellow green	None	>100	25.0	<1	0.4	<0.74	<0.69		
25	Someya River	Yakushi Bridge	Shinto Village	2015/5/26	Sunny	27.3	0.1	21.9	0.0	Light grayish greenish yellow	None	83	22.1	6	2.5	<0.81	<0.48		
				2015/8/10	Sunny	28.8	0.1	24.7	0.0	Light grayish greenish yellow	None	98	18.8	7	1.7	<0.65	<0.55		
				2015/11/6	Sunny	21.3	0.1	14.8	0.0	Light grayish greenish yellow	None	85	28.3	6	2.2	<0.87	<0.75		
				2016/1/12	Cloudy	5.6	0.1	8.0	0.0	Light grayish greenish yellow	None	>100	30.3	3	1.3	<0.68	<0.75		
26	Inogawa River	Kamakura Bridge	Takasaki City	2015/5/22	Sunny	28.4	0.4	19.2	0.0	Grayish yellow green	None	75	34.1	9	2.2	<0.76	<0.88		
				2015/8/18	Sunny	27.2	0.4	25.6	0.0	Light grayish yellow	None	50	24.2	16	5.0	<0.50	<0.61		
				2015/11/11	Sunny	16.9	0.4	16.1	0.0	Grayish yellow green	None	>100	33.1	5	1.4	<0.70	<0.80		
				2016/1/13	Sunny	3.6	0.6	7.4	0.0	Grayish greenish yellow	None	72	40.7	9	4.9	<0.73	<0.80		
27	Karasu River	Iwakura Bridge	Takasaki City/Tamamura Town	2015/6/2	Sunny	24.0	0.6	24.8	0.0	Grayish yellow green	None	46	36.0	9	6.1	<0.90	<0.55		
				2015/8/18	Sunny	32.8	0.6	25.7	0.0	Light grayish greenish yellow	None	50	30.5	10	4.9	<0.61	<0.75		
				2015/11/10	Cloudy	16.8	0.6	18.1	0.0	Grayish yellow green	None	>100	35.2	2	0.7	<0.66	<0.88		
				2016/1/13	Sunny	6.3	0.3	8.5	0.0	Light grayish greenish yellow	None	>100	36.8	1	1.2	<0.60	<0.75		
28	Shinkaname Bridge	Ueno Village	Ueno Village	2015/5/26	Sunny	26.8	0.3	19.3	0.0	Light grayish yellow green	None	>100	17.4	<1	0.2	<0.79	<0.69		
				2015/11/13	Cloudy	13.2	0.3	12.4	0.0	Light grayish yellow green	None	>100	17.8	<1	0.1	<0.58	<0.84		
				2015/5/26	Sunny	31.2	0.3	21.5	0.0	Light grayish yellow green	None	>100	18.8	<1	0.2	<0.76	<0.69		
				2015/11/13	Cloudy	13.2	0.3	11.9	0.0	Light grayish yellow green	None	>100	18.9	<1	0.2	<0.85	<0.75		
29	Morio Bridge	Kanna Town	Kanna Town	2015/6/2	Sunny	30.7	0.3	22.6	0.0	Yellow greenish white	None	85	19.2	7	2.6	<0.78	<0.88		
				2015/11/11	Sunny	18.7	0.2	16.8	0.0	Light grayish greenish yellow	None	>100	24.4	<1	0.3	<0.70	<0.80		
				2015/6/2	Sunny	26.4	0.2	22.9	0.0	Greenish yellowish pale gray	None	60	20.0	11	3.3	<0.56	<0.48		
				2015/11/10	Cloudy	18.1	0.2	17.2	0.0	Greenish yellowish pale gray	None	>100	24.2	<1	0.9	<0.65	<0.88		
30	Tobukyo Bridge	Fujioka City/Kamisato Town	Kamisato Town	2015/6/2	Sunny	30.7	0.3	22.6	0.0	Yellow greenish white	None	85	19.2	7	2.6	<0.78	<0.88		
				2015/11/11	Sunny	18.7	0.2	16.8	0.0	Light grayish greenish yellow	None	>100	24.4	<1	0.3	<0.70	<0.80		
				2015/6/2	Sunny	26.4	0.2	22.9	0.0	Greenish yellowish pale gray	None	60	20.0	11	3.3	<0.56	<0.48		
				2015/11/10	Cloudy	18.1	0.2	17.2	0.0	Greenish yellowish pale gray	None	>100	24.2	<1	0.9	<0.65	<0.88		
31	Kannugawa Bridge	Kamisato Town	Kamisato Town	2015/6/2	Sunny	26.4	0.2	22.9	0.0	Greenish yellowish pale gray	None	60	20.0	11	3.3	<0.56	<0.48		
				2015/11/10	Cloudy	18.1	0.2	17.2	0.0	Greenish yellowish pale gray	None	>100	24.2	<1	0.9	<0.65	<0.88		
				2015/6/2	Cloudy	28.8	0.4	17.0	0.0	Light grayish yellow green	None	>100	13.2	15	4.1	<0.65	<0.80		
				2015/8/11	Sunny	29.5	0.3	23.1	0.0	Light grayish yellow green	None	>100	18.2	7	2.5	<0.61	<0.75		
32	Tonegawa River	Bando-ohashi Bridge	Honjo City	2015/11/10	Cloudy	18.8	0.4	17.3	0.0	Light grayish yellow green	None	>100	28.4	3	1.3	<0.78	<0.88		
				2015/6/2	Cloudy	28.8	0.4	17.0	0.0	Light grayish yellow green	None	>100	13.2	15	4.1	<0.65	<0.80		
				2015/8/11	Sunny	29.5	0.3	23.1	0.0	Light grayish yellow green	None	>100	18.2	7	2.5	<0.61	<0.75		
				2016/1/19	Sunny	8.8	0.4	6.8	0.0	Grayish yellow	None	55	28.4	9	5.2	<0.57	<0.80		

Gunma Rivers (Water) 4/5

No.	Location				Sampling Date	Weather	Air temperature (C)	Water depth (m)	Water								Remarks	
	Water area	Location	Municipality	General Items								Activity concentration(Bq/L)						
				Water temperature (C)					Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Radioactive cesium		
																Cs-134		Cs-137
33	Akagishirakawa River	In Shimohosoi Town		2015/5/22	Sunny	23.8	0.3	19.2	0.0	Light grayish yellow green	None	45	18.6	11	2.6	<0.74	<0.55	
				2015/8/27	Sunny	28.8	0.4	24.2	0.0	Light grayish yellow green	None	55	22.8	8	2.2	<0.71	<0.63	
				2015/11/9	Cloudy	19.2	0.3	16.2	0.0	Light grayish yellow green	None	65	25.5	9	1.4	<0.68	<0.63	
				2016/1/14	Cloudy	12.6	0.2	5.6	0.0	Light grayish yellow green	None	>100	23.0	2	0.7	<0.65	<0.69	
	34	Momonoki River	Utsubo Bridge	Maebashi City	2015/5/22	Sunny	21.7	0.4	13.9	0.0	Light grayish yellow green	None	45	14.1	9	4.0	<0.66	<0.60
					2015/8/27	Sunny	27.0	0.3	20.4	0.0	Light grayish yellow green	None	68	16.6	8	3.2	<0.52	<0.84
					2015/11/9	Sunny	20.0	0.5	14.2	0.0	Light grayish yellow green	None	55	23.7	5	2.9	<0.63	<0.88
					2016/1/14	Sunny	8.8	0.1	4.1	0.0	Grayish yellow green	None	85	21.2	5	2.5	<0.80	<0.92
	35	Arato River	Okuhara Bridge		2015/5/22	Sunny	22.1	0.3	19.8	0.0	Grayish yellow	None	44	37.5	11	4.4	<0.86	<0.75
					2015/8/27	Sunny	26.0	0.3	21.6	0.0	Light grayish greenish yellow	None	54	25.2	5	2.6	<0.75	<0.84
					2015/11/9	Sunny	22.7	0.3	15.6	0.0	Grayish yellow	None	65	26.0	8	2.8	<0.70	<0.69
					2016/1/14	Sunny	8.5	0.2	3.9	0.0	Grayish yellow	None	70	26.8	6	3.0	<0.80	<0.92
36	Kasukawa River	Hozumi Bridge		2015/5/22	Sunny	24.7	0.4	21.1	0.0	Grayish reddish yellow	None	46	29.2	12	3.2	<0.56	<0.66	
				2015/8/11	Sunny	33.0	0.3	26.2	0.0	Grayish reddish yellow	None	85	28.4	6	2.6	<0.69	<0.69	
				2015/11/28	Sunny	9.9	0.2	10.3	0.0	Grayish reddish yellow	None	>100	37.0	3	1.5	<0.77	<0.69	
				2016/1/19	Sunny	4.8	0.3	5.2	0.0	Light grayish greenish yellow	None	75	31.9	9	5.1	<0.60	<0.84	
37	Hirose River	Nakajima Bridge	Iseaki City	2015/5/22	Sunny	26.5	0.3	19.7	0.0	Dark grayish reddish yellow	None	37	21.6	13	2.8	<0.83	<0.69	
				2015/8/11	Sunny	34.0	0.3	26.0	0.0	Grayish yellow	None	>100	21.9	12	3.8	<0.75	<0.88	
				2015/11/28	Sunny	13.6	0.3	11.7	0.0	Grayish yellow green	None	75	31.5	4	2.1	<0.74	<0.80	
				2016/1/19	Sunny	7.6	0.4	6.0	0.0	Grayish yellow green	None	55	16.5	7	4.4	<0.73	<0.80	
38	Hayakawa River	Hayakawa Bridge		2015/5/27	Sunny	24.5	0.5	17.1	0.0	Grayish yellow green	None	35	17.1	11	2.7	<0.61	<0.55	
				2015/8/12	Sunny	29.4	0.5	22.5	0.0	Grayish yellow green	None	90	19.6	6	2.7	<0.82	<0.80	
				2015/11/9	Sunny	17.9	0.5	14.1	0.0	Grayish yellow green	None	60	21.4	2	1.5	<0.61	<0.84	
				2016/1/14	Sunny	6.8	0.3	9.4	0.0	Bluish dark gray	None	45	40.4	3	1.9	<0.70	<0.99	
39	Tonegawa River	Macjima Bridge	Ota City	2015/5/22	Sunny	27.2	0.4	23.8	0.0	Grayish yellow	None	>100	40.2	3	2.4	<0.66	<0.61	
				2015/8/11	Sunny	34.4	0.4	28.2	0.0	Grayish yellow	None	73	32.6	12	3.5	<0.69	<0.80	
				2015/11/28	Sunny	12.7	0.4	11.1	0.0	Grayish yellow	None	85	42.7	6	2.6	<0.76	<0.96	
				2016/1/18	Sunny	6.8	0.3	6.9	0.0	Grayish greenish yellow	None	50	32.0	11	6.5	<0.72	<0.69	
40	Tonegawa River	Tone-ozeki Weir	Chiyoda Town/Gyoda City	2015/6/2	Sunny	29.2	0.5	21.3	0.0	Light grayish yellow green	None	30	13.3	16	12	<0.66	<0.66	
				2015/6/30	Cloudy	23.3	0.5	20.8	0.0	Grayish yellow green	None	35	21.5	11	5.9	<0.63	<0.84	
				2015/7/8	Cloudy	23.2	0.5	19.9	0.0	Light grayish yellow green	None	42	23.0	12	8.7	<0.90	<0.69	
				2015/8/12	Sunny	29.0	0.5	26.0	0.0	Grayish yellow green	None	42	17.8	11	7.1	<0.63	<0.69	
41	Koguro River	Kayano Bridge	Kiryu City	2015/9/3	Cloudy	28.0	0.6	23.7	0.0	Light grayish yellow green	None	46	23.1	8	5.4	<0.55	<0.92	
				2015/11/28	Sunny	16.9	0.3	11.0	0.0	Grayish yellow	None	65	26.1	12	8.2	<0.74	<0.92	
				2016/1/19	Sunny	7.5	0.4	5.1	0.0	Grayish yellow	None	50	24.4	26	12	<0.73	<0.88	
				2015/5/27	Sunny	21.5	0.4	13.9	0.0	Light grayish yellow green	None	>100	8.1	<1	0.2	<0.78	<0.69	
42	Watarase River	Taktatsudo	Midori City	2015/6/16	Sunny	20.1	0.4	15.0	0.0	Light grayish yellow green	None	>100	8.0	<1	0.3	<0.82	<0.75	
				2015/7/8	Cloudy	20.7	0.4	14.1	0.0	Light grayish yellow green	None	>100	6.9	1	0.4	<0.69	<0.63	
				2015/9/1	Cloudy	21.3	0.2	14.9	0.0	Light grayish yellow green	None	>100	6.3	1	0.4	<0.70	<0.84	
				2015/9/7	Rain	18.1	0.4	15.1	0.0	Grayish yellow green	None	88	6.2	5	1.4	<0.68	<0.92	
43	Watarase River	Intake for Akaiwaysoui water channel	Kiryu City	2015/11/5	Sunny	13.3	0.4	10.1	0.0	Grayish yellow green	None	>100	7.5	<1	0.2	<0.76	<0.75	
				2016/1/20	Snow	0.1	0.4	1.5	0.0	Light grayish yellow green	None	>100	7.4	<1	0.2	<0.66	<0.84	
				2015/5/27	Sunny	30.3	0.6	16.8	0.0	Light grayish yellow green	None	>100	11.0	<1	0.8	<0.70	<0.70	
				2015/9/1	Cloudy	21.4	0.7	19.7	0.0	Light grayish yellow green	None	>100	9.2	<1	0.5	<0.82	<0.88	
43	Watarase River	Intake for Akaiwaysoui water channel	Kiryu City	2015/11/5	Sunny	21.5	0.3	13.9	0.0	Light grayish yellow green	None	>100	12.0	1	0.6	<0.72	<0.84	
				2016/1/20	Snow	0.5	0.3	5.2	0.0	Light grayish yellow green	None	>100	12.1	1	0.7	<0.81	<0.80	
				2015/5/27	Sunny	30.6	0.2	18.3	0.0	Yellow greenish pale gray	None	>100	11.0	2	1.5	<0.83	<0.84	
				2015/6/24	Sunny	26.7	0.2	18.7	0.0	Yellow greenish pale gray	None	50	11.1	5	2.2	<0.61	<0.61	
43	Watarase River	Intake for Akaiwaysoui water channel	Kiryu City	2015/7/8	Cloudy	23.0	0.2	18.2	0.0	Yellow greenish pale gray	None	>100	10.3	3	0.8	<0.71	<0.84	
				2015/8/12	Sunny	29.7	0.2	24.0	0.0	Yellow greenish pale gray	None	>100	10.6	2	1.3	<0.70	<0.69	
				2015/9/7	Rain	22.8	0.2	19.5	0.0	Yellow greenish pale gray	None	>100	9.9	4	1.5	<0.77	<0.92	
				2015/11/5	Sunny	18.1	0.2	13.7	0.0	Yellow greenish pale gray	None	>100	12.0	1	0.4	<0.65	<0.80	
43	Watarase River	Intake for Akaiwaysoui water channel	Kiryu City	2016/1/20	Snow	2.2	0.2	3.7	0.0	Yellow greenish pale gray	None	>100	12.7	<1	0.8	<0.81	<0.80	

Gunma Rivers (Water) 5/5

Rivers	Location				Sampling Date	Weather	Air temperature (C)	Water depth (m)	Water								Remarks		
	No.	Water area	Location	Municipality					General items									Activity concentration(Bq/L)	
									Water temperature (C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)		Radioactive cesium	
																		Cs-134	Cs-137
44	Tatara River	Ejiri Bridge	Oura Town	2015/5/21	Sunny	25.4	0.7	21.3	0.0	Grayish yellow	None	35	17.5	11	5.0	<0.82	<0.75		
				2015/8/12	Sunny	29.5	0.5	25.9	0.0	Grayish yellow	None	59	19.6	16	4.5	<0.52	<0.75		
				2015/11/26	Cloudy	9.5	0.7	11.5	0.0	Light grayish yellow	None	31	18.3	26	12	<0.96	<0.84		
				2016/1/15	Sunny	7.2	0.2	5.0	0.0	Light grayish yellow green	None	60	34.2	26	11	<0.68	<0.80		
	45	Kiryu River	Kannon Bridge	Kiryu City	2015/5/27	Sunny	30.1	0.5	17.6	0.0	Greenish yellowish pale gray	None	>100	8.0	<1	0.6	<0.78	<0.55	
					2015/8/12	Sunny	32.6	0.5	23.0	0.0	Greenish yellowish pale gray	None	>100	7.8	6	0.9	<0.55	<0.69	
					2015/11/5	Sunny	12.6	0.5	12.9	0.0	Greenish yellowish pale gray	None	>100	10.9	2	0.4	<0.58	<0.80	
					2016/1/20	Snow	3.0	0.3	3.1	0.0	Greenish yellowish pale gray	None	>100	8.4	1	0.4	<0.60	<0.80	
	46	Kiryu River	Sakai Bridge	Kiryu City/Ashikaga City	2015/5/21	Sunny	22.8	0.2	20.3	0.0	Light grayish yellow green	None	>100	6.3	6	1.6	<0.62	<0.55	
					2015/8/12	Sunny	29.9	0.2	25.6	0.0	Light grayish yellow green	None	>100	10.1	3	0.8	<0.78	<0.75	
					2015/11/26	Cloudy	8.7	0.2	10.3	0.0	Light grayish yellow green	None	72	10.2	7	2.7	<0.68	<0.80	
					2016/1/15	Sunny	10.9	0.3	8.6	0.0	Light grayish greenish yellow	None	>100	10.9	2	0.5	<0.72	<0.80	
47	Tsuruuda River	Lake Jomama	Tatebayashi City	2015/5/21	Sunny	28.8	1.0	23.5	0.0	Grayish yellow	None	25	17.9	26	15	<0.82	<0.69		
				2015/8/12	Sunny	33.0	1.0	29.8	0.0	Grayish yellow	None	35	29.8	10	5.4	<0.69	<0.88		
				2015/11/26	Cloudy	9.8	1.0	12.2	0.0	Grayish yellow	None	35	29.1	11	7.3	<0.67	<0.88		
				2016/1/15	Sunny	6.0	1.0	7.0	0.0	Dark grayish yellow red	None	20	43.4	18	13	<0.98	<0.69		
48	Yatagawa River	Togoda Bridge	Meiwa Town /Itakura Town	2015/5/21	Sunny	19.6	1.8	19.8	0.0	Grayish yellow	None	45	43.8	28	11	<0.90	<0.61		
				2015/8/12	Sunny	30.8	1.8	28.4	0.0	Grayish yellow	None	90	38.6	11	3.3	<0.63	<0.75		
				2015/11/26	Cloudy	10.3	1.8	12.3	0.0	Grayish yellow	None	37	37.0	14	7.2	<0.79	<0.75		
				2016/1/15	Sunny	4.8	1.5	8.1	0.0	Grayish yellow	None	60	77.0	6	3.8	<0.84	<0.84		

Gunma Rivers (Sediment) 1/5

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																Remarks			
	Water area	Location	Municipality					Sediment temperature (°C)	Sample length (cm)	Color	Odor	General items						Sediment content (%)	Density (g/cm ³)	Property	Activity concentration [Bq/kg(dry)]						
												Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand				Silt	Clay	Cs-134		Cs-137	Total	
R i v e r s	Tonogawa River System	Tonogawa River Area	Hirose Bridge	Minakami Town	2015/6/5	Cloudy	14.3	0.3	7.2	3	Olive brown	None	0.0	48.6	12.6	8.9	20.4	5.2	2.2	2.3	73.9	2.661	Gravel/sand	24	130	154	
					2015/8/6	Cloudy	24.1	0.3	15.5	3	None	None	21.8	68.4	3.6	1.2	3.3	0.5	0.4	0.8	88.7	2.509	Gravel/sand	7.0	38	45	
					2015/11/17	Cloudy	13.5	0.3	13.0	5	Brown	None	0.0	0.2	0.1	0.8	30.2	46.6	16.7	5.4	67.1	2.694	Sand	12	72	84	
					2016/1/7	Snow	2.6	0.3	5.2	10	Brown	None	0.0	0.0	0.0	0.0	0.0	0.0	15.8	65.2	18.3	49.4	2.619	Silt	37	250	307
					2015/9/25	Sunny	25.2	0.5	9.7	5	None	None	0.0	0.3	3.6	26.1	41.2	10.2	14.9	3.8	76.9	2.685	Sand	8.4	27	35.6	
					2015/6/23	Sunny	24.3	0.3	13.7	5	None	None	0.0	40.0	25.5	19.3	12.7	1.2	0.0	1.3	99.1	2.739	Sand/gravel	<5.1	15	15	
					2015/7/6	Cloudy	19.6	0.5	15.4	5	None	None	0.0	13.0	18.6	42.4	22.9	0.3	0.2	2.7	78.8	2.691	Sand	5.9	18	23.9	
					2015/8/3	Sunny	27.8	0.5	20.2	5	Dark grayish yellow	None	0.0	36.3	29.6	23.3	8.9	0.6	0.0	1.3	94.1	2.717	Sand/gravel	5.4	18	23.4	
					2015/9/18	Sunny	23.8	0.3	19.2	5	Grayish olive	None	0.0	58.6	21.7	12.3	5.7	0.7	0.2	0.8	83.7	2.730	Gravel/sand	<4.0	15	15	
					2015/11/18	Sunny	14.4	0.4	13.2	5	None	None	9.2	30.1	17.8	19.8	19.0	2.5	0.4	1.2	79.8	2.714	Sand/gravel	6.4	19	25.4	
			2016/1/7	Sunny	7.5	0.4	7.8	5	None	None	0.0	42.2	22.4	17.2	15.3	1.3	0.3	1.3	79.8	2.712	Sand/gravel	<4.5	22	22			
			2015/5/25	Sunny	26.0	0.5	14.6	5	Dim yellowish brown	None	0.0	1.0	5.8	24.0	53.8	7.0	4.6	3.8	74.5	2.623	Sand/gravel	6.7	25	31.7			
			2015/8/3	Sunny	33.2	0.5	21.3	5	Dim yellowish brown	None	2.8	42.5	17.2	21.5	13.3	0.7	0.6	1.4	81.5	2.702	Sand/gravel	<3.9	11	11			
			2015/11/18	Cloudy	16.2	0.4	13.6	5	Dim yellowish brown	None	2.4	33.6	21.4	22.7	15.2	1.7	1.2	1.8	77.5	2.668	Sand/gravel	<4.1	13	13			
			2016/1/7	Sunny	6.9	0.4	6.7	5	Dim yellowish brown	None	0.0	28.6	24.5	16.9	24.7	2.7	0.3	2.4	77.2	2.736	Sand/gravel	<3.7	13	13			
			2015/9/27	Sunny	26.1	0.2	15.6	6	Dim yellowish brown	None	0.0	22.6	35.9	21.0	15.5	2.8	0.4	1.6	76.0	2.720	Sand/gravel	30	120	150			
			2015/6/23	Sunny	24.9	0.2	18.1	6	Dim yellowish brown	None	0.0	33.8	25.8	19.4	13.7	3.7	1.7	2.0	72.7	2.722	Sand/gravel	41	190	231			
			2015/7/6	Cloudy	20.2	0.2	14.6	6	Dim yellowish brown	None	0.0	27.4	25.3	21.0	16.9	4.4	2.2	2.8	74.6	2.731	Sand/gravel	53	220	273			
			2015/8/24	Cloudy	23.7	0.3	17.2	6	Dark brown	None	0.0	54.3	19.4	15.1	10.0	1.0	0.0	0.2	82.0	2.936	Sand/gravel	18	82	100			
			2015/9/18	Cloudy	18.2	0.2	15.3	6	Dim yellowish brown	None	0.0	30.9	33.9	22.3	11.4	0.3	0.0	1.3	81.9	2.890	Gravel/sand	14	71	85			
			2015/11/21	Sunny	14.0	0.2	11.0	6	Dim yellowish brown	None	0.0	33.3	24.0	20.7	16.6	3.0	0.6	1.9	70.5	2.819	Sand/gravel	24	120	144			
			2016/1/8	Sunny	8.2	0.2	5.0	3	Dim yellowish brown	None	3.4	45.5	24.5	14.1	8.7	1.9	0.8	1.2	71.1	2.786	Sand/gravel	18	110	128			
			2015/5/27	Sunny	24.6	0.3	10.0	8	Dark brown	None	0.0	33.4	21.0	0.3	17.3	24.7	1.6	1.8	79.6	2.703	Sand/gravel	4.7	18	22.7			
			2015/8/4	Sunny	29.9	0.3	21.7	5	Dim yellowish brown	None	0.0	35.7	22.6	25.8	13.9	0.4	0.1	1.6	79.1	2.701	Sand/gravel	<6.7	15	15			
			2015/11/21	Sunny	13.6	0.3	9.2	8	Dark brown	None	0.0	30.5	31.5	27.4	9.1	0.1	0.4	1.1	79.8	2.704	Sand/gravel	<4.5	14	14			
			2016/1/8	Sunny	2.9	0.3	2.0	5	Dim yellowish brown	None	0.0	0.5	6.7	38.9	47.9	2.4	0.0	3.6	73.9	2.656	Sand	<5.0	17	17			
			2015/9/27	Sunny	28.0	0.5	14.5	6	Brownish gray	Faint sewage	0.0	0.0	0.0	56.7	40.9	0.4	1.0	1.0	68.8	2.657	Sand	5.8	21	26.8			
			2015/6/23	Sunny	24.5	0.5	18.9	6	Brownish gray	Faint sewage	0.0	3.6	2.1	3.6	21.4	50.0	14.7	4.6	62.5	2.733	Sand	9.7	47	56.7			
			2015/7/6	Cloudy	20.1	0.5	15.3	6	Grayish yellowish brown	Faint sewage	0.0	0.2	0.7	1.5	10.7	53.7	25.4	7.9	67.4	2.683	Sand	13	45	58			
			2015/8/4	Sunny	30.3	0.5	24.5	5	Brownish gray	Faint clam	2.2	50.1	16.6	7.0	16.6	4.9	1.5	1.2	76.5	2.709	Sand/gravel	<4.3	10	10			
			2015/9/18	Cloudy	21.2	0.6	16.5	6	None	Gny	0.0	4.3	6.0	14.3	65.3	7.4	0.6	2.1	67.5	2.737	Sand	<4.2	6.5	6.5			
			2015/11/21	Sunny	16.5	0.4	10.2	6	Brownish gray	None	0.0	5.5	2.5	1.4	29.7	52.2	4.8	4.1	75.5	2.753	Sand	<4.6	9.0	9.0			
			2016/1/8	Sunny	6.4	0.4	3.2	3	Brownish gray	None	4.5	17.8	6.5	2.4	26.4	34.6	5.4	2.4	73.4	2.730	Sand	<4.9	8.3	8.3			
			2015/5/27	Sunny	29.4	0.6	15.1	5	Dark grayish yellow	None	0.0	10.2	10.2	24.3	47.8	4.3	0.2	3.0	73.9	2.905	Sand/gravel	12	41	53			
			2015/6/23	Sunny	28.2	0.6	19.2	5	Dark grayish yellow	None	0.0	30.5	14.8	20.9	23.3	5.0	2.3	3.2	69.9	2.751	Sand/gravel	9.6	31	40.6			
			2015/7/6	Cloudy	19.3	0.5	17.0	5	None	None	0.0	2.9	8.8	13.1	25.1	17.2	19.6	13.3	49.9	2.661	Silt/sand	31	130	161			
			2015/8/3	Sunny	32.4	0.6	25.0	5	Dark grayish yellow	None	1.7	38.5	20.7	17.6	12.5	5.8	1.5	1.7	75.0	2.761	Sand/gravel	11	44	59			
			2015/9/18	Cloudy	22.9	0.6	16.5	5	Dark grayish yellow	None	0.0	42.5	38.4	14.4	4.1	0.0	0.2	0.4	93.8	2.899	Gravel/sand	<4.1	19	19			
			2015/11/18	Cloudy	15.8	0.5	14.1	6	Dark grayish yellow	None	0.0	6.0	19.7	32.8	37.0	5.7	1.6	2.8	79.2	2.722	Sand/gravel	<4.2	18	18			
			2016/1/8	Sunny	9.7	0.5	6.0	3	Dark grayish yellow	None	0.0	17.2	37.1	26.5	15.7	1.6	0.3	1.5	73.4	2.717	Sand/gravel	5.6	24	29.6			
2015/8/28	Sunny	22.1	0.3	15.3	5	Blackish brown	None	0.0	0.0	0.0	0.1	24.0	65.0	8.2	2.7	72.7	2.722	Sand	1.7	6.4	8.1						
2015/9/27	Sunny	24.8	0.5	20.5	5	Dark brown	None	0.0	6.2	4.5	4.7	26.1	47.0	8.8	2.7	72.7	2.770	Sand	2.4	10	12.4						
2015/11/20	Cloudy	9.9	0.4	9.9	5	Dim yellowish brown	None	0.0	0.3	1.0	1.5	28.5	52.0	11.4	5.3	70.0	2.866	Sand	<4.0	8.6	8.6						
2016/1/8	Sunny	3.8	0.5	5.0	5	None	None	0.0	0.0	0.0	0.3	30.0	52.3	12.1	5.3	59.8	2.846	Sand	<6.1	2.0	2.0						
2015/5/28	Cloudy	20.1	0.4	16.3	5	Dark brown	None	0.0	1.3	11.2	21.4	51.0	10.9	1.0	3.4	73.8	2.801	Sand	2.1	6.2	8.3						
2015/8/27	Sunny	24.8	0.6	19.3	5	Dark brown	None	0.0	0.6	0.9	5.3	57.8	31.9	2.8	0.7	68.9	2.776	Sand	<6.4	9.1	9.1						
2015/11/20	Cloudy	9.1	0.4	10.9	5	Dim yellowish brown	None	0.0	1.8	10.4	40.0	42.6	1.7	0.5	3.0	69.6	2.709	Sand	<4.3	8.0	8.0						
2016/1/8	Sunny	5.1	0.6	5.1	5	Dark brown	None	0.0	0.7	5.7	13.9	49.1	20.1	5.3	5.3	72.9	2.897	Sand	4.5	19	23.5						

Gunma Rivers (Sediment) 2/5

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment														Activity concentration [Bq/kg(dry)]			Remarks	
	Water area	Location	Municipality					Sediment temperature (°C)	Sample length (cm)	Color	Odor	General items						Sediment content (%)	Density (g/cm ³)	Property	Radioactive cesium					
												Coarse gravel	Medium gravel	Grain size distribution(%)		Fine sand	Silt				Clay	Cs-134	Cs-137	Total		
10	Agatsuma River	Downstream of Azuma Bridge	Higashi-Agatsuma Town	2015/5/25	Sunny	27.0	0.4	22.2	5	Dark greenish gray	None	0.0	0.4	3.7	33.4	58.7	1.6	0.4	1.9	74.6	2.742	Sand/gravel	0.87	5.8	6.67	
				2015/6/30	Cloudy	21.5	0.4	19.8	5	Blackish brown	None	0.0	12.5	3.7	11.2	61.6	7.3	1.5	2.3	75.8	2.904	Sand	<-3.9	5.7	5.7	
				2015/7/7	Cloudy	22.5	0.4	19.7	5	Dark brown	None	0.0	0.4	4.2	25.8	64.8	3.5	0.4	0.9	75.1	2.808	Sand/gravel	<-3.5	6.9	6.9	
				2015/9/25	Cloudy	18.2	0.3	18.4	5	Dark brown	None	0.0	19.2	13.0	20.2	40.5	6.7	0.0	0.5	81.9	3.123	Sand/gravel	0.90	4.1	5.0	
				2015/9/3	Cloudy	28.7	0.5	22.0	5	Dark brown	None	2.1	20.8	21.6	21.5	21.2	1.5	0.2	1.1	78.6	2.832	Sand/gravel	<-4.0	7.8	7.8	
	11	Nakuta River	Tonoda Bridge	Takayama Village	2015/11/20	Sunny	14.6	0.4	12.9	5	Dark brown	None	1.8	23.2	11.1	14.4	43.1	4.0	0.6	1.8	74.3	2.797	Sand/gravel	1.6	6.0	7.6
					2016/1/8	Sunny	10.8	0.5	5.0	5	Dark brown	None	0.0	0.3	8.8	43.3	40.3	2.1	0.9	4.2	72.6	2.743	Sand/gravel	<-5.0	3.8	3.8
					2015/5/25	Sunny	27.2	0.4	20.7	5	Grayish yellowish brown	None	0.0	40.9	32.5	20.2	4.6	0.5	0.7	0.5	90.6	2.680	Gravel/sand	<-4.8	19	19
					2015/8/3	Sunny	32.5	0.4	24.5	5	Dark brown	None	14.3	57.0	15.6	8.3	3.2	0.8	0.2	0.6	85.4	2.728	Gravel/sand	<-4.5	17	17
					2015/11/20	Sunny	16.9	0.3	12.5	5	Dark brown	None	0.0	52.1	28.0	10.1	7.8	1.0	0.1	0.9	80.0	2.747	Gravel/sand	4.3	20	24.3
12	Agatsuma River	Agatsuma Bridge	Shibukawa City	2016/1/7	Sunny	7.7	0.4	6.0	5	Grayish yellowish brown	None	0.0	56.6	33.1	7.7	1.5	0.1	0.0	1.0	84.1	2.648	Gravel/sand	5.2	25	30.2	
				2015/5/25	Sunny	26.8	0.3	23.4	3	Blackish brown	None	3.7	39.4	20.5	21.0	11.7	2.4	0.7	0.7	81.5	2.754	Gravel/sand	2.3	9.4	11.7	
				2015/6/30	Cloudy	22.0	0.3	17.6	3	Blackish brown	None	4.8	42.7	8.0	11.2	24.0	7.4	0.8	1.2	80.6	2.926	Gravel/sand	<-4.1	8.3	8.3	
				2015/7/7	Cloudy	22.6	0.3	19.6	3	Blackish brown	None	4.0	44.4	9.1	11.9	23.7	6.1	0.1	0.8	81.4	2.932	Sand/gravel	<-3.5	5.2	5.2	
				2015/9/10	Sunny	29.4	0.3	25.7	3	Dark brown	None	8.9	53.6	25.5	23.3	0.1	0.0	0.1	0.0	93.4	2.728	Gravel/sand	<-3.9	4.6	4.6	
	13	Tongogawa River	Taisho Bridge	Shibukawa City	2015/9/3	Sunny	27.0	0.5	20.7	3	Blackish brown	None	0.0	0.1	1.4	11.6	57.4	23.7	1.5	4.3	73.9	2.760	Gravel	<-4.8	12	12
					2015/11/6	Sunny	17.9	0.3	14.5	3	Blackish brown	None	0.0	22.0	26.8	22.3	24.3	2.5	0.3	1.7	78.8	2.754	Sand/gravel	<-3.4	6.2	6.2
					2016/1/12	Cloudy	7.9	0.5	6.2	3	Blackish brown	None	1.8	33.6	15.8	17.7	24.7	4.7	0.5	1.4	81.0	2.922	Sand/gravel	1.1	5.5	6.6
					2015/5/26	Sunny	21.5	0.4	12.9	3	Blackish brown	None	0.0	24.6	22.1	16.9	26.9	7.4	1.0	1.0	84.7	2.900	Sand/gravel	<-4.2	12	12
					2015/6/30	Sunny	22.5	0.4	17.4	5	Blackish brown	None	1.8	29.5	15.4	16.6	29.8	5.9	0.1	1.0	80.1	2.902	Sand/gravel	<-3.9	11	11
14	Takizawa River	Shintakizawa Bridge	Shibukawa City/Yoshioka Town	2015/7/7	Cloudy	22.1	0.5	17.6	3	Blackish brown	None	1.7	27.3	14.5	15.9	30.0	8.4	0.0	2.2	81.1	2.843	Sand/gravel	3.9	15	18.9	
				2015/8/10	Sunny	30.4	0.5	19.7	3	Brownish gray	None	1.6	34.9	13.2	13.9	24.4	10.8	0.8	0.4	84.9	2.855	Sand/gravel	<-4.4	14	14	
				2015/9/3	Sunny	25.0	0.5	18.7	3	Blackish brown	None	2.9	27.3	17.8	15.1	28.9	6.0	0.1	1.9	81.5	3.029	Sand/gravel	<-4.0	9.3	9.3	
				2015/11/6	Sunny	19.9	0.5	14.3	3	Blackish brown	None	0.0	22.3	15.0	20.1	36.4	4.8	0.3	1.2	80.9	2.836	Sand/gravel	<-3.5	12	12	
				2016/1/12	Cloudy	6.7	0.5	8.5	3	Blackish brown	None	7.7	18.7	11.6	16.1	36.2	7.4	0.6	1.8	77.7	2.819	Sand/gravel	<-3.4	16	16	
15	Tongogawa River	Gummo-ehashi Bridge	Maebashi City	2015/5/26	Sunny	25.8	0.2	23.8	3	Blackish brown	None	0.0	13.6	28.9	37.6	14.2	1.9	1.0	2.8	75.1	2.735	Sand/gravel	1.0	32	42	
				2015/8/10	Sunny	28.7	0.2	28.0	3	Blackish brown	None	0.0	39.0	33.4	21.4	5.5	0.1	0.2	0.1	88.5	2.791	Sand/gravel	<-4.7	20	20	
				2015/11/6	Sunny	26.5	0.2	16.0	3	Blackish brown	None	0.0	35.8	26.8	20.8	14.6	0.6	0.0	1.4	80.0	2.914	Sand/gravel	5.2	18	23.2	
				2016/1/12	Cloudy	8.6	0.2	8.5	3	Blackish brown	None	7.3	22.0	12.2	8.4	34.8	12.0	1.2	2.3	72.8	2.824	Sand/gravel	9.0	42	51	
				2015/9/22	Sunny	26.8	0.4	13.2	4	Olive brown	None	0.0	0.0	0.3	3.7	53.0	18.9	18.3	5.9	72.4	2.755	Sand/gravel	1.5	54	69	
16	Tongogawa River	Fukushima Bridge	Tamamura Town	2015/8/27	Sunny	28.6	0.3	21.1	6	Blackish brown	None	0.0	0.0	0.0	0.2	3.8	30.9	54.3	10.8	44.1	2.458	Silt	56	230	286	
				2015/11/9	Cloudy	17.9	0.4	14.1	5	Grayish olive	None	0.0	0.0	0.0	1.2	57.2	34.7	1.4	5.4	73.0	2.842	Sand	<-3.9	9.7	9.7	
				2016/1/14	Sunny	10.8	0.5	5.9	5	Grayish olive	None	0.0	0.0	0.0	0.1	18.4	72.2	5.5	3.9	71.3	2.840	Sand	<-4.1	14	14	
				2015/5/22	Cloudy	25.7	0.4	15.0	4	Blackish brown	None	0.0	23.6	3.7	2.4	20.1	36.5	11.0	2.8	73.3	2.780	Sand/gravel	6.6	37	43.6	
				2015/9/18	Sunny	27.2	0.3	23.4	4	Blackish brown	None	0.0	36.7	16.8	14.1	22.7	7.6	1.9	0.4	80.2	2.854	Sand/gravel	<-3.9	11	11	
17	Nagai River	Kamigoodsa Bridge	Takasaki City	2015/11/10	Cloudy	16.3	0.5	14.9	4	Blackish brown	None	0.0	0.0	0.4	6.6	54.6	34.0	2.0	2.4	73.7	2.807	Sand	<-4.2	7.1	7.1	
				2016/1/13	Sunny	5.6	0.5	6.0	5	Dark grayish yellow	None	0.0	0.0	0.0	0.1	16.9	58.1	19.6	5.4	56.5	2.716	Sand	<-8.5	35	35	
				2015/5/28	Sunny	25.6	0.2	21.2	5	Blackish brown	None	5.5	37.8	17.3	13.6	19.8	2.7	1.6	1.9	76.6	2.921	Sand/gravel	1.1	44	45	
				2015/9/27	Sunny	26.1	0.3	21.1	5	Blackish brown	None	7.9	14.4	16.7	15.5	31.5	11.2	2.5	0.4	63.4	2.809	Sand/gravel	20	71	91	
				2015/11/12	Cloudy	15.0	0.3	11.9	5	Dark brown	None	0.0	4.2	17.4	31.9	37.8	5.2	0.8	3.0	70.0	2.832	Sand/gravel	6.1	28	34.1	
18	Karnu River	Karnugawa Bridge	Takasaki City	2016/1/16	Sunny	3.7	0.3	6.2	5	Blackish brown	None	0.0	1.4	8.5	34.7	46.8	4.4	1.3	3.0	69.6	2.824	Sand/gravel	6.6	31	37.6	
				2015/5/28	Cloudy	25.8	0.5	22.3	5	Blackish brown	None	3.8	28.7	14.3	27.6	7.0	1.7	2.8	77.2	2.844	Sand/gravel	6.7	22	28.7		
				2015/8/27	Cloudy	24.7	0.7	20.0	5	Blackish brown	None	1.5	38.8	11.2	15.0	25.4	6.6	1.3	0.3	77.2	2.878	Sand/gravel	<-3.8	23	23	
				2015/11/12	Cloudy	15.9	0.5	12.8	5	Dark yellowish brown	None	0.0	32.4	20.0	20.2	22.9	2.8	0.0	1.8	80.0	2.884	Sand/gravel	<-3.9	11	11	
				2016/1/16	Sunny	9.2	0.7	5.8	5	Blackish brown	None	0.0	23.2	34.5	23.5	14.0	3.1	0.7	1.0	75.9	2.741	Sand/gravel	<-3.5	8.6	8.6	
19	Usui River	Nakase Bridge	Amaka City	2015/5/25	Sunny	23.5	0.3	20.9	5	Dim yellowish brown	None	0.0	11.6	29.0	34.3	22.1	0.5	0.8	1.7	81.2	2.746	Sand/gravel	6.3	20	26.3	
				2015/9/18	Sunny	32.5	0.4	23.3	5	Dim yellowish brown	None	0.0	27.4	35.2	20.1	7.5	6.1	2.6	1.1	73.6	2.653	Sand/gravel	1.1	31	42	
				2015/11/12	Cloudy	11.0	0.3	13.4	5	Dim yellowish brown	None	0.0	29.3	42.2	22.7	5.7	0.8	0.3	1.0	78.6	2.698	Sand/gravel	3.5	14	17.9	
2016/1/16	Sunny	9.1	0.2	6.6	5	Dim yellowish brown	None	0.0	9.7	41.7	36.7	7.5	1.8	0.8	1.7	84.7	2.697	Sand/gravel	<-3.7	13	13					

Gunma Rivers (Sediment) 3/5

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment														Activity concentration [Bq/kg(dry)]			Remarks
	Water area	Location	Municipality					Sediment temperature (°C)	Sample length (cm)	Color	Odor	General items							Sediment content (%)	Density (g/cm³)	Property	Radioactive cesium			
												Coarse gravel	Medium gravel	Grain size distribution(%)		Fine sand	Silt	Clay				Cs-134	Cs-137	Total	
20	Usui River	Hanataka Bridge	Takasaki City	2015/5/25	Sunny	26.3	0.4	23.3	5	Blackish brown	None	0.0	6.2	7.9	23.4	54.3	4.9	0.9	2.5	76.7	2.823	Sand/gravel	3.0	13	16
				2015/8/18	Sunny	32.2	0.6	25.9	5	Blackish brown	None	0.0	31.9	12.7	16.5	32.9	4.7	0.9	0.4	74.8	2.745	Sand/gravel	<-3.4	15	15
				2015/11/12	Cloudy	13.7	0.4	15.2	5	Blackish brown	None	3.0	38.7	16.4	12.8	24.1	3.0	0.4	1.6	75.4	2.865	Sand/gravel	<-4.4	5.7	5.7
21	Kabura River	Tadokawa Bridge	Shimonita Town	2015/7/16	Sunny	10.6	0.4	7.3	5	Blackish brown	None	0.0	33.2	14.2	12.9	28.0	7.6	2.4	1.8	74.1	2.867	Sand/gravel	<-4.2	12	12
				2015/9/25	Sunny	26.4	0.2	22.4	6	Olive brown	None	0.0	12.9	37.2	40.8	6.8	0.0	0.5	96.6	2.679	Sand/gravel	1.3	4.5	5.7	
				2015/8/27	Cloudy	22.9	0.3	19.5	5	Olive brown	None	0.0	30.9	21.9	20.2	23.8	0.9	0.7	1.6	81.4	2.726	Sand/gravel	<-4.6	6.8	6.8
22	Kabura River	Kaburagawa Bridge	Takasaki City/Fujioka City	2015/11/13	Sunny	10.6	0.3	12.3	5	Olive brown	None	0.0	10.0	43.7	36.0	8.7	0.3	0.5	0.9	89.5	2.733	Sand/gravel	<-5.1	5.2	5.2
				2016/1/19	Sunny	1.8	0.3	3.5	5	Yellowish gray	None	3.7	36.2	21.4	18.7	16.6	1.2	0.4	1.8	80.4	2.706	Sand/gravel	<-4.2	8.9	8.9
				2015/9/22	Sunny	21.9	0.5	21.2	5	Gray	None	0.0	20.2	18.0	22.2	31.6	5.9	0.9	1.2	81.8	2.726	Sand/gravel	1.6	8.4	10
23	Ogawa River	Kinzan Bridge	Kama Town	2015/9/18	Sunny	34.0	0.5	26.7	6	Gray	Faint sewage	0.0	16.1	14.9	10.1	18.2	23.8	12.2	4.9	69.4	2.634	Sand/gravel	2.4	99	123
				2015/11/11	Sunny	16.2	0.3	17.2	5	Gray	None	5.0	38.3	24.2	15.4	6.0	6.3	2.8	1.9	89.6	2.706	Gravel/sand	4.7	17	21.7
				2016/1/13	Sunny	8.2	0.5	4.1	5	Gray	None	0.0	8.9	6.4	6.1	7.1	24.1	30.5	16.8	57.7	2.655	Silt/sand	<-1.3	9.0	9.0
24	Nanmoku River	Ozawa Bridge	Nanmoku Village	2015/9/25	Sunny	25.4	0.2	18.7	3	Gray	None	0.0	49.4	26.4	16.8	6.7	0.2	0.3	0.2	87.3	2.761	Gravel/sand	1.9	10	11.9
				2015/8/20	Cloudy	23.7	0.3	21.7	3	Gray	None	0.0	17.3	34.8	36.3	9.4	0.6	1.3	0.3	92.3	2.682	Gravel/sand	3.3	11	14.3
				2015/11/11	Sunny	14.4	0.2	15.3	5	Gray	None	5.2	27.8	22.0	18.6	19.2	3.1	1.9	2.4	83.4	2.896	Sand/gravel	4.2	23	27.2
25	Soneya River	Yakushi Bridge	Shanto Village	2016/1/19	Sunny	1.6	0.2	8.1	5	Gray	None	3.5	30.6	18.1	18.7	21.7	2.9	1.7	2.9	79.5	2.737	Sand/gravel	<-4.4	13	13
				2015/9/26	Sunny	25.5	0.3	19.5	5	Gray	None	3.3	30.8	21.4	6.9	27.6	8.3	0.7	0.9	82.1	2.707	Sand/gravel	1.6	7.6	9.2
				2015/8/19	Sunny	29.7	0.3	25.1	5	Gray	None	4.9	12.5	23.5	40.1	17.6	1.0	0.0	0.4	85.1	2.691	Sand/gravel	1.4	6.6	8.0
26	Inogawa River	Kamakura Bridge	Takasaki City	2015/11/13	Cloudy	11.9	0.3	11.8	5	Gray	None	6.0	43.6	15.7	12.1	19.5	1.7	0.4	1.0	79.3	2.732	Sand/gravel	<-4.3	6.8	6.8
				2016/1/19	Sunny	2.5	0.2	2.3	5	Olive black	None	0.0	46.5	20.4	13.5	16.8	1.2	0.4	1.3	78.3	2.706	Sand/gravel	<-4.4	6.2	6.2
				2015/9/26	Sunny	27.3	0.1	22.0	5	Olive black	None	0.0	47.0	12.7	12.1	23.8	2.8	0.2	1.5	79.7	2.994	Sand/gravel	7.5	21	30.5
27	Iwakum Bridge	Takasaki City/Tammura Town	2015/8/10	Sunny	28.8	0.1	25.1	5	Grayish olive	None	2.2	49.5	13.7	10.3	20.8	2.8	0.4	0.3	85.5	2.947	Sand/gravel	5.2	19	24.2	
			2015/11/6	Sunny	21.3	0.1	16.0	5	Blackish brown	None	0.0	9.9	21.2	30.2	33.3	2.3	0.6	2.5	75.6	2.985	Sand/gravel	4.5	29	33.5	
			2016/1/12	Cloudy	5.6	0.1	8.3	5	Olive black	None	2.6	22.8	25.5	21.7	23.1	2.4	0.7	1.1	75.6	2.874	Sand/gravel	<-3.9	21	21	
28	Kanna River	Morio Bridge	Kanna Town	2015/9/22	Sunny	28.4	0.4	20.5	5	Blackish brown	None	0.0	39.6	9.5	25.6	22.3	0.8	0.5	1.9	80.8	2.911	Sand/gravel	<-0.80	2.1	2.1
				2015/8/18	Sunny	27.2	0.4	24.8	8	Blackish brown	None	0.0	25.8	6.4	8.0	47.7	11.6	0.0	0.5	79.2	2.883	Sand/gravel	<-5.3	11	11
				2015/11/11	Sunny	16.9	0.4	16.8	5	Blackish brown	None	0.0	22.3	24.8	16.7	23.3	2.0	0.0	2.0	78.9	2.957	Sand/gravel	<-0.81	1.9	1.9
29	Kanna River	Morio Bridge	Kanna Town	2016/1/13	Sunny	3.6	0.6	7.2	5	Blackish brown	None	0.0	32.0	4.4	6.1	13.2	6.8	21.8	15.7	56.8	2.572	Silt/gravel	<-0.99	1.9	1.9
				2015/6/2	Sunny	24.0	0.6	25.3	5	Black	None	0.0	9.1	4.2	8.1	26.9	38.5	8.6	4.7	69.2	2.798	Sand	1.1	49	60
				2015/8/18	Sunny	32.8	0.6	27.2	5	Grayish yellowish brown	None	0.0	0.0	0.0	0.4	2.5	18.3	65.1	13.8	52.6	2.517	Sand	2.4	140	164
30	Kanna River	Shinkaname Bridge	Ueno Village	2015/11/10	Cloudy	16.8	0.6	17.8	5	Olive black	None	0.0	5.3	6.6	13.2	40.0	23.4	6.9	4.7	63.4	2.849	Sand	9.5	48	57.5
				2016/1/13	Sunny	6.3	0.3	7.8	5	Dark grayish yellow	None	0.0	32.8	15.0	15.9	25.5	4.9	2.7	3.2	78.9	2.790	Sand/gravel	<-3.5	8.4	8.4
				2015/9/26	Sunny	26.8	0.3	17.6	8	Blackish brown	None	0.0	37.9	20.6	17.7	20.8	1.0	0.4	1.6	82.7	2.716	Sand/gravel	2.0	7.6	9.6
31	Kanna River	Tobukyo Bridge	Fujioka City/Kamisato Town	2015/11/13	Cloudy	13.2	0.3	13.4	5	Blackish brown	None	3.2	24.5	23.2	25.0	21.9	0.3	0.1	1.9	78.0	2.769	Sand/gravel	<-4.4	6.1	6.1
				2015/9/26	Sunny	31.2	0.3	21.6	6	Olive black	None	0.0	31.5	27.0	20.0	19.0	1.6	0.0	0.8	88.3	2.743	Gravel/sand	1.4	3.4	4.8
				2015/11/13	Cloudy	13.2	0.3	12.7	5	Olive black	None	3.1	34.3	33.0	18.8	8.5	1.2	0.6	0.6	92.5	2.772	Gravel/sand	<-0.73	2.3	2.3
32	Tonegawa River Area	Tonegawa River	Bando-obashi Bridge	2015/6/2	Sunny	30.7	0.3	22.8	5	Grayish yellow	None	7.2	46.3	23.4	10.9	7.0	1.2	2.0	2.2	78.9	2.718	Gravel/sand	<-4.5	14	14
				2015/11/11	Sunny	18.7	0.2	17.1	5	Olive black	None	0.0	41.9	32.2	17.6	6.7	0.5	0.0	1.2	86.6	2.766	Gravel/sand	0.33	0.98	1.31
				2015/6/2	Sunny	26.4	0.2	23.2	5	Dark olive	None	4.5	34.2	16.7	13.4	15.1	6.7	4.7	4.7	78.0	2.723	Sand/gravel	1.4	5.1	6.5
32	Tonegawa River Area	Tonegawa River	Honojo City	2015/11/10	Cloudy	18.1	0.2	18.6	5	Dark olive	None	6.4	26.5	17.8	19.1	22.4	4.6	1.5	1.9	84.6	2.744	Gravel/sand	1.1	3.8	4.9
				2015/6/2	Cloudy	28.8	0.4	18.1	5	Dark grayish yellow	None	2.1	40.1	11.3	8.4	19.8	13.6	2.0	2.7	80.6	2.776	Sand/gravel	<-3.6	16	16
				2015/8/11	Sunny	29.5	0.3	24.0	5	Dark grayish yellow	None	19.2	17.8	0.6	0.5	21.6	18.7	16.9	4.7	54.7	2.602	Sand	3.2	160	192
32	Tonegawa River Area	Tonegawa River	Bando-obashi Bridge	2015/11/10	Cloudy	18.8	0.4	18.1	5	Olive black	None	2.4	15.7	6.3	5.8	24.6	33.8	7.0	4.4	67.0	2.769	Sand	5.1	23	28.1
				2016/1/19	Sunny	8.8	0.4	14.9	4	Dark grayish yellow	None	0.0	30.4	11.8	10.1	25.7	17.4	2.6	2.2	77.9	2.788	Sand/gravel	<-3.6	10	10

Gunma Rivers (Sediment) 4/5

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																		Remarks			
	Water area	Location	Municipality					Sediment temperature (°C)	Sample length (cm)	Color	Odor	General items										Sediment content (%)		Density (g/cm ³)	Property		Activity concentration [Bq/kg(dry)]		
												Coarse gravel	Medium gravel	Grain size distribution (%)		Silt	Clay	Fine sand	Coarse sand	Medium sand	Fine sand	Fines	Total				Cs-134	Cs-137	Total
														Coarse sand	Medium sand														
33	Akagishikawa River	In Shimohosoi Town		Sunny	23.8	0.3	19.6	3	Blackish brown	None	12.5	24.6	9.2	5.4	29.8	13.2	2.4	3.0	76.2	3.006	Sand/gravel	5.0	20	25					
				Sunny	28.8	0.4	25.5	5	Grayish olive	None	0.0	15.0	19.8	16.7	42.9	4.9	0.3	0.4	79.9	3.032	Gravel/sand	<3.9	11	11					
				Cloudy	19.2	0.3	17.8	5	Blackish brown	None	4.1	35.0	16.4	9.4	29.2	3.7	0.2	2.1	81.7	3.408	Gravel/sand	<2.6	8.5	8.5					
34	Momonoki River	Usuboi Bridge	Maebashi City	Cloudy	17.6	0.2	6.2	5	Blackish brown	None	0.0	0.2	0.9	2.9	40.2	44.7	3.6	7.6	72.8	2.852	Sand	9.0	32	41					
				Sunny	21.7	0.4	14.5	5	Blackish brown	None	0.0	25.8	16.8	23.4	28.5	2.7	0.4	2.2	79.0	2.804	Sand/gravel	3.6	14	17.6					
				Sunny	27.0	0.3	18.6	7	Blackish brown	None	0.0	2.3	10.1	77.2	6.9	0.1	0.6	77.2	2.899	Sand	<2.9	6.9	6.9						
35	Arao River	Okubara Bridge		Sunny	20.0	0.5	15.8	5	Blackish brown	None	0.0	49.9	22.6	12.7	19.8	0.8	0.3	0.8	83.1	2.894	Sand/gravel	<4.0	10	10					
				Sunny	8.8	0.1	6.7	5	Blackish brown	None	0.0	46.2	12.9	11.4	25.2	2.8	0.0	1.5	79.2	2.907	Sand/gravel	<4.9	6.0	6.0					
				Sunny	22.1	0.3	21.3	5	Blackish brown	None	5.7	28.8	9.6	13.5	35.0	4.2	0.8	2.5	81.6	3.139	Sand	0.85	3.0	3.85					
36	Kasukawa River	Hozumi Bridge		Sunny	26.0	0.3	21.5	7	Olive black	None	0.0	22.9	29.5	20.8	23.7	2.7	0.2	0.3	79.7	2.912	Gravel/sand	1.4	4.6	6.0					
				Sunny	22.7	0.3	16.7	5	Blackish brown	None	0.0	33.2	21.0	14.9	25.1	3.3	0.2	2.4	82.0	3.060	Gravel/sand	<3.5	6.4	6.4					
				Sunny	8.5	0.2	5.8	5	Blackish brown	None	0.0	45.1	10.5	9.4	28.6	4.3	0.0	2.1	76.7	2.879	Sand/gravel	1.1	4.0	5.1					
37	Hirose River	Nakajima Bridge	Iseaki City	Sunny	24.7	0.4	22.7	8	Blackish brown	None	0.0	19.0	4.8	8.5	59.7	4.6	1.2	2.2	77.9	2.833	Sand/gravel	3.5	12	15.5					
				Sunny	35.0	0.3	27.2	5	Blackish brown	None	39.6	19.6	1.6	3.6	21.4	7.0	3.6	3.6	68.8	2.727	Sand/gravel	<5.1	23	23					
				Sunny	9.9	0.2	12.0	8	Blackish brown	None	0.0	27.0	4.5	8.7	55.3	5.6	0.2	0.5	77.1	2.870	Sand/gravel	<4.2	13	13					
38	Hayakawa River	Hayakawa Bridge		Sunny	4.8	0.3	5.5	8	Blackish brown	None	9.8	12.3	4.2	6.0	46.2	17.7	0.0	2.8	73.3	2.857	Sand/gravel	5.2	20	25.2					
				Sunny	26.5	0.3	20.5	5	Olive black	None	2.6	27.2	9.8	17.6	33.9	5.3	1.3	2.3	81.2	2.911	Sand	3.8	18	21.8					
				Sunny	34.0	0.3	26.7	5	Olive black	None	0.0	0.0	0.1	0.5	47.2	46.2	4.9	1.1	71.6	2.752	Sand	6.1	24	30.1					
39	Tonegawa River System	Majima Bridge	Ota City	Sunny	13.6	0.3	12.3	5	Olive black	None	0.0	4.2	5.5	14.0	50.0	24.6	1.1	0.6	74.5	2.905	Sand	4.9	21	25.9					
				Sunny	7.6	0.4	7.2	5	Olive black	None	0.0	1.1	0.5	1.2	43.7	46.3	3.5	3.8	70.5	2.876	Sand	<3.9	15	15					
				Sunny	24.5	0.5	18.3	5	Blackish brown	None	0.0	0.5	1.0	2.6	49.5	36.9	3.9	5.7	74.9	2.851	Sand	1.4	41	55					
40	Tonegawa River	Tone-ozeki Weir	Chiyoda Town, Gyoeda City	Sunny	29.4	0.5	23.7	5	Blackish brown	None	20.6	34.4	9.5	7.5	13.9	8.1	3.8	2.2	68.2	2.728	Gravel/sand	1.1	51	62					
				Sunny	17.9	0.5	15.7	5	Blackish brown	None	2.1	38.9	14.6	11.9	19.4	7.1	3.8	2.1	74.5	2.832	Gravel/sand	6.5	22	28.5					
				Sunny	6.8	0.3	9.6	5	Blackish brown	None	7.7	35.2	17.4	15.5	20.2	2.5	0.0	1.5	80.1	3.058	Sand/gravel	6.1	30	36.1					
41	Koguro River	Kayano Bridge	Kiryu City	Sunny	27.2	0.4	24.3	6	Olive black	None	0.0	0.2	0.2	5.2	72.5	10.8	4.8	6.2	72.2	2.740	Sand/silt	9.1	36	45.1					
				Sunny	34.4	0.4	28.9	5	Olive black	None	0.0	0.0	0.0	0.4	28.0	57.1	10.1	4.4	63.5	2.615	Sand/silt	20	87	107					
				Sunny	12.7	0.4	12.4	7	Olive black	None	5.5	32.4	10.7	7.3	23.8	15.3	2.4	1.6	58.1	2.773	Sand/silt	19	90	109					
42	Watarase River Area	Takatando	Midori City	Sunny	6.8	0.3	7.6	7	Olive black	None	0.0	15.6	4.6	3.3	35.9	31.0	5.3	4.3	69.9	2.766	Sand/gravel	18	82	100					
				Sunny	29.2	0.5	21.8	10	Olive black	None	1.5	42.7	10.9	6.0	23.4	13.0	0.5	2.1	85.8	2.916	Sand/gravel	5.1	16	21.1					
				Cloudy	23.3	0.5	20.8	10	Olive black	None	1.5	37.1	12.9	11.2	27.3	7.7	0.9	1.4	83.2	2.782	Sand/gravel	5.3	18	23.3					
43	Watarase River	Intake for Akawayouji water channel	Kiryu City	Cloudy	23.2	0.5	21.6	10	Olive black	None	1.7	52.9	11.9	7.8	19.1	4.4	0.8	1.4	85.3	2.755	Sand/gravel	5.6	16	21.6					
				Sunny	29.0	0.5	26.0	10	Olive black	None	0.0	34.4	16.8	7.4	26.0	14.4	0.7	0.3	85.2	2.853	Sand/gravel	3.2	11	14.2					
				Cloudy	28.0	0.6	26.5	7	Olive black	None	3.8	27.8	13.8	9.4	25.5	14.6	2.6	2.6	82.1	2.902	Sand/gravel	5.5	18	23.5					
44	Tatara River	Ejiri Bridge	Ozora Town	Sunny	16.9	0.3	13.1	7	Olive black	None	0.0	21.2	14.4	15.2	39.0	9.8	0.0	0.4	77.0	2.695	Sand/gravel	<4.2	19	19					
				Sunny	7.5	0.4	5.8	7	Olive black	None	0.0	17.6	14.2	19.3	40.2	6.8	0.1	2.0	79.7	2.685	Sand/gravel	5.0	16	21					
				Sunny	21.5	0.4	15.7	5	Grayish olive	None	0.0	45.7	20.0	15.7	14.9	1.6	0.7	1.3	74.1	2.724	Gravel/sand	6.9	36	42.9					
45	Watarase River	Intake for Akawayouji water channel	Kiryu City	Sunny	20.1	0.4	16.5	5	Grayish olive	None	0.0	42.7	24.3	16.4	10.7	2.0	1.8	2.1	77.2	2.770	Gravel/sand	15	61	76					
				Cloudy	20.7	0.4	16.5	5	Grayish olive	None	2.9	47.8	11.7	9.8	13.8	8.5	2.8	2.7	73.3	2.762	Gravel/sand	17	70	87					
				Cloudy	21.3	0.2	15.4	3	Olive brown	None	4.5	20.8	9.5	7.8	26.6	19.1	8.9	2.8	73.2	2.904	Sand/gravel	16	81	97					
46	Watarase River	Intake for Akawayouji water channel	Kiryu City	Rain	18.1	0.4	16.2	5	Grayish olive	None	0.0	43.9	21.2	13.8	15.4	3.6	0.7	1.3	78.3	2.967	Gravel/sand	10	47	57					
				Sunny	13.3	0.4	12.0	5	Grayish olive	None	0.0	14.3	17.8	25.6	34.6	4.3	1.2	2.3	74.4	2.923	Gravel/sand	1.4	60	74					
				Snow	0.1	0.4	2.5	5	Grayish olive	None	7.9	31.6	17.2	13.0	24.7	3.6	0.5	1.6	75.3	2.906	Gravel/sand	1.4	56	70					
47	Watarase River	Intake for Akawayouji water channel	Kiryu City	Sunny	30.3	0.6	22.6	5	Blackish brown	None	9.5	51.3	4.2	6.4	22.2	4.0	0.3	2.0	77.0	2.829	Sand/gravel	1.3	56	69					
				Cloudy	21.4	0.7	20.0	3	Brownish gray	Faint rotteness	0.0	0.0	0.2	4.3	64.0	23.3	3.8	4.5	75.3	2.783	Sand	1.1	48	59					
				Sunny	21.5	0.3	15.1	5	Blackish brown	None	5.9	40.6	17.1	15.0	18.8	1.3	0.2	1.2	82.7	2.939	Sand/gravel	<4.0	16	16					
48	Watarase River	Intake for Akawayouji water channel	Kiryu City	Snow	0.5	0.3	5.7	5	Dark brown	None	0.0	15.3	0.7	3.6	69.9	15.4	0.9	3.2	75.0	2.753	Sand/gravel	<5.4	27	27					
				Sunny	30.6	0.2	20.3	5	Blackish brown	None	12.1	20.2	7.9	15.6	35.4	5.9	0.5	2.5	78.9	2.707	Sand/gravel	9.0	36	45					
				Sunny	28.7	0.2	19.7	5	Blackish brown	None	7.2	30.0	12.1	7.3	14.3	4.0	1.4	2.8	83.3	2.721	Sand/gravel	5.8	22	27.8					
49	Watarase River	Intake for Akawayouji water channel	Kiryu City	Cloudy	23.0	0.2	20.3	5	Dark brown	None	3.5	8.9	5.1	10.6	60.4	6.7	1.6	3.1	77.1	2.756	Sand/gravel	8.8	35	43.8					
				Sunny	29.7	0.2	25.1	5	Dark brown	None	26.0	42.9	8.1	4.8	11.3	3.9	2.1	1.0	81.0	2.736	Sand/gravel	1.3	42	55					
				Rain	22.8	0.2	20.6	5	Dark brown	None	2.1	66.3	14.8	4.5	8.3	2.4	0.0	1.0	92.0	2.740	Sand/gravel	<3.8	15	15					
50	Watarase River	Intake for Akawayouji water channel	Kiryu City	Sunny	18.1	0.2	15.8	5	Dark brown	None	0.0	50.0	17.9	9.1	17.0	4.2	1.1	0.8	81.3	2.809	Gravel/sand	7.6	26	33.6					
				Snow	2.2	0.2	5.3	5	Dark brown	None	0.0	3.1	13.4	17.2	54.2	9.0	1.2	2.0	76.9	2.846	Sand/gravel	6.9	29	35.9					
				Sunny	25.4	0.7	20.6	10	Blackish brown	Faint sewage	0.0	0.0	0.0	0.0	0.7	11.1	72.6	15.7	55.4	2.530	Silt/sand	9.8	31	40.8					
51	Tatara River	Ejiri Bridge	Ozora Town	Sunny	29.5	0.5	26.5	10	Blackish brown	None	0.0	1.8	2.6	3.4	7.9	32.3	40.5	11.5	51.2	2.559	Silt/sand	4.5	180	225					
				Cloudy	9.5																								

Gunma Rivers (Sediment) 5/5

Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment														Activity concentration [Bq/kg(dry)]			Remarks									
No.	Water area	Location	Municipality					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								
Rivers	45	Tonegawa River System	Watarase River Area	Kannon Bridge	Kiryu City	2015/5/27	Sunny	30.1	0.5	19.1	5	Dim yellowish brown	None	7.9	40.2	18.6	11.6	15.8	2.9	1.3	1.8	74.0	2.802	Sand/gravel	12	62	74							
						2015/8/12	Sunny	32.6	0.5	25.9	5	Dark brown	None	0.0	12.1	13.5	16.4	40.8	11.8	3.6	1.8	69.4	2.774	Sand/gravel	13	54	67							
						2015/11/5	Sunny	12.6	0.5	13.3	5	Dim yellowish brown	None	0.0	46.4	41.2	7.6	3.1	0.6	0.5	0.6	83.3	2.790	Sand/gravel	8.8	29	37.8							
						2016/1/20	Snow	3.0	0.5	4.6	5	Dim yellowish brown	None	0.0	36.1	50.1	8.9	2.1	1.3	0.7	0.9	85.6	2.659	Gravel/sand	5.7	36	41.7							
						2015/5/21	Sunny	22.8	0.2	19.8	7	Blackish brown	None	0.0	32.9	30.8	19.3	14.9	1.2	0.5	0.4	91.0	2.733	Sand/gravel	<5.0	114	114							
						2015/8/12	Sunny	29.9	0.2	25.9	10	Blackish brown	None	13.3	57.4	12.5	6.4	7.3	1.9	0.3	0.5	83.6	2.686	Sand/gravel	<5.0	19	19							
	46	Tonegawa River System	Watarase River Area	Kiryu River	Sakai Bridge	Kiryu City/Ashikaga City	2015/11/26	Cloudy	8.7	0.2	11.5	5	Dark brown	None	0.0	67.1	16.8	9.2	5.4	0.9	0.5	0.2	88.4	2.696	Sand/gravel	8.0	32	40						
							2016/1/15	Sunny	10.9	0.3	10.1	7	Blackish brown	None	0.0	29.5	22.9	18.3	19.9	4.7	1.0	3.7	86.8	2.810	Sand/silt	5.5	25	30.5						
							2015/5/21	Sunny	28.8	1.0	21.4	7	Olive black	Faint sewage	0.0	0.7	1.3	1.5	4.7	10.2	67.6	14.1	21.6	2.326	Silt/sand	160	570	730						
							2015/8/12	Sunny	33.0	1.0	30.2	7	Olive black	Faint sewage	0.0	0.0	0.0	1.8	7.3	11.1	63.1	16.7	18.9	2.321	Silt/sand	310	1,200	1,510						
							2015/11/26	Cloudy	9.8	1.0	12.2	7	Olive black	Faint sewage	0.0	1.9	4.3	7.4	16.2	32.2	28.8	9.0	22.0	2.304	Silt/sand	160	710	870						
							2016/1/15	Sunny	6.0	1.0	6.2	10	Olive black	Faint sewage	0.0	0.6	0.2	1.0	2.9	14.3	60.4	20.7	19.9	2.363	Silt	250	980	1,230						
	47	Tonegawa River System	Watarase River Area	Tsurunda River	Lake Jonuma	Tatebayashi City	2015/5/21	Sunny	19.6	1.8	20.5	3	Olive black	Faint sewage	0.0	1.3	1.7	5.7	60.7	12.0	8.8	9.7	73.3	2.721	Silt/sand	4.1	14	18.1						
							2015/8/12	Sunny	30.8	1.8	28.4	3	Olive black	Faint sewage	0.0	0.6	1.9	4.4	38.7	35.5	11.1	7.9	66.9	2.676	Silt/sand	42	150	192						
							2015/11/26	Cloudy	10.3	1.8	12.8	3	Olive black	Faint sewage	0.0	0.0	0.1	11.8	77.4	3.6	4.8	2.3	49.6	2.721	Silt/sand	17	65	82						
							2016/1/15	Sunny	4.8	1.5	9.5	3	Olive black	None	0.0	0.1	0.3	1.0	65.8	22.0	4.8	6.1	70.1	2.772	Sand	<5.1	33	33						
							48	Tonegawa River System	Watarase River Area	Yatagawa River	Togoda Bridge	Maewa Town /Itakura Town	2015/5/21	Sunny	19.6	1.8	20.5	3	Olive black	Faint sewage	0.0	1.3	1.7	5.7	60.7	12.0	8.8	9.7	73.3	2.721	Silt/sand	4.1	14	18.1
													2015/8/12	Sunny	30.8	1.8	28.4	3	Olive black	Faint sewage	0.0	0.6	1.9	4.4	38.7	35.5	11.1	7.9	66.9	2.676	Silt/sand	42	150	192

Gunma Rivers (Surrounding Environment) 1/5

Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)													Remarks				
No.	Water area		Municipality				Color	Odor	Property	Left bank			Air Dose (µSv/h)	Color	Odor	Property	Right bank							
	Activity concentration [Bq/kg(dry)]									Radioactive cesium							Activity concentration [Bq/kg(dry)]				Radioactive cesium			
			Cs-134	Cs-137	Total				Cs-134	Cs-137	Total													
R i v e r s	1	Tonegawa River	Hirose Bridge	Mirakami Town	2015/6/5	Cloudy	14.3	Dim yellowish brown	Faint earth	Loamy	540	1,900	2,440	0.19	Dim yellowish brown	Faint earth	Loamy	280	960	1,240	0.17			
					2015/8/6	Cloudy	24.1	Dim yellowish brown	None	Loamy	250	1,200	1,450	0.21	Dim yellowish brown	Faint earth	Loamy	180	660	840	0.16			
					2015/11/17	Cloudy	13.5	Dark brown	Faint earth	Loamy	290	1,300	1,590	0.17	Blackish brown	Faint earth	Loamy	190	930	1,120	0.15			
					2016/1/7	Snow	2.6	Blackish brown	Faint earth	Loamy	170	790	960	0.13	Dark brown	Faint earth	Loamy	150	790	940	0.14			
					2015/5/25	Sunny	25.2	Black	Faint earth	Loamy	60	210	270	0.08	Dim yellowish brown	Faint earth	Loamy	170	660	830	0.08			
					2015/6/23	Sunny	24.3	Black	Faint earth	Loamy	75	300	375	0.07	Dim yellowish brown	Faint earth	Loamy	270	1,100	1,370	0.08			
			2	Tsukiyono Bridge	Mirakami Town	2015/7/6	Cloudy	19.6	Blackish brown	Faint earth	Loamy	59	230	289	0.08	Blackish brown	Faint earth	Loamy	430	1,600	2,030	0.08		
						2015/8/3	Sunny	27.8	Blackish brown	Faint earth	Loamy	49	230	279	0.09	Blackish brown	Faint earth	Loamy	260	950	1,210	0.08		
						2015/9/18	Sunny	23.8	Black	Faint earth	Loamy	57	180	237	0.09	Blackish brown	Faint earth	Loamy	270	1,100	1,370	0.08		
						2015/11/18	Sunny	14.4	Black	Faint earth	Loamy	65	310	375	0.08	Dim yellowish brown	Faint earth	Loamy	490	2,000	2,490	0.08		
						2016/1/7	Sunny	7.5	Dim yellowish brown	Faint earth	Loamy	48	250	298	0.08	Dark brown	Faint earth	Loamy	170	820	990	0.06		
						2015/5/25	Sunny	26.0	Dim yellowish brown	Faint earth	Loamy	29	89	118	0.08	Olive brown	Faint earth	Loamy	62	230	292	0.06		
	3	Akaya River	Kosode Bridge		2015/8/3	Sunny	33.2	Brown	Faint earth	Loamy	29	95	124	0.07	Dark olive brown	Faint earth	Loamy	41	190	231	0.06			
					2015/11/18	Cloudy	16.2	Dim yellowish brown	Faint earth	Loamy	22	130	152	0.08	Olive brown	Faint earth	Loamy	46	230	276	0.06			
					2016/1/7	Sunny	6.9	Dim yellowish brown	Faint earth	Loamy	40	150	190	0.06	Olive brown	Faint earth	Loamy	33	220	253	0.06			
	4	Sakura River	In Ooaza Yachi	Kawaba Village	2015/5/27	Sunny	26.1	Grayish yellowish brown	Faint earth	Loamy	340	1,100	1,440	0.17	Dim yellowish brown	Faint earth	Loamy	410	1,500	1,910	0.14			
					2015/6/23	Sunny	24.9	Blackish brown	Faint earth	Loamy	500	2,000	2,500	0.18	Dim yellowish brown	Faint earth	Loamy	580	2,200	2,780	0.12			
					2015/7/6	Cloudy	20.2	Dark brown	Faint earth	Loamy	880	3,400	4,280	0.18	Dark brown	Faint earth	Loamy	420	1,600	2,020	0.14			
					2015/8/24	Cloudy	23.7	Blackish brown	Faint earth	Loamy	630	2,500	3,130	0.17	Blackish brown	Faint earth	Loamy	570	2,100	2,670	0.14			
					2015/9/18	Cloudy	18.2	Blackish brown	Faint earth	Loamy	360	1,500	1,860	0.16	Blackish brown	Faint earth	Loamy	570	2,200	2,770	0.14			
					2015/11/21	Sunny	14.0	Dim yellowish brown	Faint earth	Loamy	170	900	1,070	0.16	Brown	Faint earth	Loamy	540	2,100	2,640	0.13			
	5	Tonegawa River System	Tonegawa River Area	Kirinoki Bridge	Katashina Village	2016/1/8	Sunny	2.9	Dim yellowish brown	None	Loamy	8.7	55	64	0.08	Dark brown	None	Loamy	92	460	552	0.08		
						2015/5/27	Sunny	28.0	Grayish white	Faint earth	Sandy	8.6	32	41	0.08	Blackish brown	Faint earth	Loamy	200	700	900	0.06		
						2015/6/23	Sunny	24.5	Grayish yellow	Faint earth	Loamy	9.9	28	38	0.05	Dim yellowish brown	Faint earth	Loamy	13	65	78	0.07		
						2015/7/6	Cloudy	20.1	Brownish gray	None	Sandy	11	35	46	0.08	Brownish gray	Faint earth	Loamy	8.8	54	63	0.07		
						2015/8/4	Sunny	30.3	Grayish yellow	Faint earth	Loamy	17	67	84	0.07	Brown	Faint earth	Loamy	18	84	102	0.08		
						2015/9/18	Cloudy	21.2	Grayish olive	Faint earth	Sandy	26	80	106	0.06	Grayish olive	Faint earth	Sandy	10	36	46	0.08		
				6	Katashina River	Tonemachikatoya	Numata City	2015/11/21	Sunny	16.5	Yellowish brown	None	Sandy	35	180	215	0.08	Dark brown	None	Loamy	14	75	89	0.07
								2016/1/8	Sunny	6.4	Yellowish gray	None	Sandy	15	78	93	0.06	Brownish gray	None	Sandy	20	99	119	0.06
								2015/5/27	Sunny	29.4	Grayish yellowish brown	Faint earth	Loamy	180	640	820	0.07	Brownish gray	Faint earth	Loamy	140	550	690	0.06
								2015/6/23	Sunny	28.2	Grayish yellowish brown	Faint earth	Loamy	240	870	1,110	0.05	Dark brown	Faint earth	Loamy	80	310	390	0.06
								2015/7/6	Cloudy	19.3	Black	Faint earth	Loamy	100	440	540	0.04	Dim yellowish brown	Faint earth	Loamy	33	140	173	0.07
								2015/8/3	Sunny	32.4	Dim yellowish brown	Faint earth	Loamy	190	810	1,000	0.06	Dim yellowish brown	Faint earth	Loamy	28	110	138	0.06
	7	Futae Bridge		Numata City	2015/9/18	Cloudy	22.9	Blackish brown	Faint earth	Loamy	130	520	650	0.06	Dark brown	Faint earth	Loamy	32	150	182	0.06			
					2015/11/18	Cloudy	15.8	Blackish brown	Faint earth	Loamy	110	550	660	0.07	Blackish brown	Faint earth	Loamy	70	310	380	0.07			
					2016/1/8	Sunny	9.7	Dark brown	None	Loamy	130	650	780	0.07	Dark brown	None	Loamy	34	170	204	0.07			
2015/5/28					Sunny	22.1	Blackish brown	Faint earth	Loamy	70	240	310	0.05	Dark brown	Faint earth	Loamy	110	500	610	0.05				
2015/8/27					Sunny	24.8	Blackish brown	Faint earth	Loamy	76	340	416	0.06	Dark brown	Faint earth	Loamy	26	83	109	0.06				
2015/11/20					Cloudy	9.9	Blackish brown	Faint earth	Loamy	69	330	399	0.05	Blackish brown	Faint earth	Loamy	25	150	175	0.05				
8	Agatsuma River	Shinto Bridge	Naganohara Town	2016/1/8	Sunny	3.8	Dim yellowish brown	Faint earth	Loamy	45	210	255	0.06	Dark brown	Faint earth	Loamy	66	280	346	0.05				
				2015/5/28	Cloudy	20.1	Blackish brown	Faint earth	Loamy	29	96	125	0.05	Blackish brown	Faint earth	Loamy	220	860	1,080	0.04				
				2015/8/27	Sunny	24.8	Blackish brown	Faint earth	Loamy	380	1,500	1,880	0.05	Blackish brown	Faint earth	Loamy	350	1,400	1,750	0.05				
				2015/11/20	Cloudy	9.1	Blackish brown	Faint earth	Loamy	120	590	710	0.05	Blackish brown	Faint earth	Loamy	290	1,300	1,590	0.05				
				2016/1/8	Sunny	5.1	Dark brown	Faint earth	Loamy	77	360	437	0.05	Blackish brown	Faint earth	Loamy	190	840	1,030	0.04				
				2015/11/20	Cloudy	9.9	Blackish brown	Faint earth	Loamy	69	330	399	0.05	Blackish brown	Faint earth	Loamy	25	150	175	0.05				
9	Shirasuna River	Shuttatsu Bridge	Nakanojo Town	2015/5/28	Cloudy	20.1	Blackish brown	Faint earth	Loamy	29	96	125	0.05	Blackish brown	Faint earth	Loamy	220	860	1,080	0.04				
				2015/8/27	Sunny	24.8	Blackish brown	Faint earth	Loamy	380	1,500	1,880	0.05	Blackish brown	Faint earth	Loamy	350	1,400	1,750	0.05				
				2015/11/20	Cloudy	9.1	Blackish brown	Faint earth	Loamy	120	590	710	0.05	Blackish brown	Faint earth	Loamy	290	1,300	1,590	0.05				

Gunma Rivers (Surrounding Environment) 2/5

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				Cs-134	Cs-137	Total							
R i v e r s	10	Agatsuma River	Downstream of Azuma Bridge	Higashi-Agatsuma Town	2015/5/25	Sunny	27.0	Grayish yellowish brown	None	Sandy	<8.8	15	15	0.04	Dim yellowish brown	Faint earth	Loamy	42	180	222	0.04
					2015/6/30	Cloudy	21.5	Dim yellowish brown	None	Sandy	<8.7	20	20	0.04	Blackish brown	Faint earth	Loamy	41	210	251	0.05
					2015/7/7	Cloudy	22.5	Grayish yellowish brown	None	Sandy	4.3	12	16	0.04	Blackish brown	Faint earth	Loamy	48	210	258	0.04
					2015/8/25	Cloudy	18.2	Grayish yellowish brown	None	Sandy	<4.0	18	18	0.04	Blackish brown	Faint earth	Loamy	150	630	780	0.05
					2015/9/3	Cloudy	28.7	Grayish yellowish brown	Faint earth	Sandy	<3.5	8.9	8.9	0.04	Blackish brown	Faint earth	Loamy	51	200	251	0.06
					2015/11/20	Sunny	14.6	Brown	None	Sandy	11	63	74	0.05	Blackish brown	Faint earth	Loamy	42	200	242	0.05
	11	Nakuta River	Tonoda Bridge	Takayama Village	2016/1/8	Sunny	10.8	Dim yellowish brown	Faint earth	Loamy	88	410	498	0.04	Blackish brown	Faint earth	Loamy	38	220	258	0.05
					2015/5/25	Sunny	27.2	Dark brown	Faint earth	Loamy	43	210	253	0.05	Dim yellowish brown	Faint earth	Loamy	39	170	209	0.04
					2015/8/3	Sunny	32.5	Dark brown	Faint earth	Loamy	200	810	1,010	0.04	Brown	Faint earth	Loamy	26	120	146	0.04
					2015/11/20	Sunny	16.9	Dark brown	Faint earth	Loamy	150	580	730	0.06	Brown	Faint earth	Loamy	25	89	114	0.05
					2016/1/7	Sunny	7.7	Dark brown	Faint earth	Loamy	110	590	700	0.05	Dim yellowish brown	Faint earth	Loamy	30	150	180	0.04
					2015/5/25	Sunny	26.8	Dark brown	Faint earth	Loamy	110	480	590	0.05	Blackish brown	Faint earth	Loamy	460	1,800	2,260	0.06
	12	Agatsuma River	Agatsuma Bridge	Shibukawa City	2015/6/30	Cloudy	22.0	Dark brown	Faint earth	Loamy	140	590	730	0.05	Blackish brown	Faint earth	Loamy	260	970	1,230	0.06
					2015/7/7	Cloudy	22.6	Dark brown	Faint earth	Loamy	120	510	630	0.06	Blackish brown	Faint earth	Loamy	230	820	1,050	0.06
					2015/8/10	Sunny	29.4	Dim yellowish brown	Faint earth	Loamy	150	720	870	0.06	Grayish yellowish brown	Faint earth	Loamy	260	1,000	1,260	0.06
					2015/9/3	Sunny	27.0	Dark brown	Faint earth	Loamy	150	630	780	0.06	Blackish brown	Faint earth	Loamy	360	1,500	1,860	0.06
					2015/11/6	Sunny	17.9	Dim yellowish brown	Faint earth	Loamy	120	500	620	0.05	Dark brown	Faint earth	Loamy	240	1,000	1,240	0.04
					2016/1/12	Cloudy	7.9	Dark brown	Faint earth	Loamy	79	430	509	0.05	Dark brown	Faint earth	Loamy	87	430	517	0.05
	13	Tonegawa River	Taisho Bridge	Shibukawa City	2015/5/26	Sunny	21.5	Dim yellowish brown	Faint earth	Loamy	320	1,200	1,520	0.06	Dark brown	Faint earth	Loamy	1,300	4,700	6,000	0.05
2015/6/30					Cloudy	22.5	Dim yellowish brown	Faint earth	Loamy	130	540	670	0.06	Dim yellowish brown	Faint earth	Loamy	210	780	990	0.05	
2015/7/7					Cloudy	22.1	Dark brown	Faint earth	Loamy	180	660	840	0.05	Blackish brown	Faint earth	Loamy	280	1,100	1,380	0.06	
2015/8/10					Sunny	30.4	Dim yellowish brown	Faint earth	Loamy	190	770	960	0.06	Dim yellowish brown	Faint earth	Loamy	430	1,800	2,230	0.05	
2015/9/3					Sunny	25.0	Dark brown	Faint earth	Loamy	110	490	600	0.04	Blackish brown	Faint earth	Loamy	660	2,600	3,260	0.05	
2015/11/6					Sunny	19.9	Grayish yellowish brown	Faint earth	Loamy	130	600	730	0.05	Dim yellowish brown	Faint earth	Loamy	1,400	5,900	7,300	0.05	
14	Takizawa River	Shiratakezawa Bridge	Shibukawa City/Yoshioka Town	2016/1/12	Cloudy	6.7	Dim yellowish brown	Faint earth	Loamy	100	530	630	0.04	Dim yellowish brown	Faint earth	Loamy	420	1,700	2,120	0.05	
				2015/5/26	Sunny	25.8	Brown	Faint earth	Loamy	50	180	230	0.04	Grayish yellowish brown	Faint earth	Loamy	56	190	246	0.04	
				2015/8/10	Sunny	28.7	Grayish yellowish brown	Faint earth	Loamy	19	110	129	0.04	Brownish gray	Faint earth	Loamy	38	140	178	0.04	
				2015/11/6	Sunny	26.5	Dim yellowish brown	Faint earth	Loamy	41	220	261	0.04	Brown	Faint earth	Loamy	24	100	124	0.04	
				2016/1/12	Cloudy	8.6	Brown	Faint earth	Loamy	22	90	112	0.04	Brown	Faint earth	Loamy	14	110	124	0.05	
				2015/5/22	Sunny	26.8	Dim yellowish orange	Faint earth	Loamy	5.2	16	21	0.04	Dim yellowish brown	Faint earth	Loamy	45	180	225	0.04	
15	Tonegawa River	Gurma-ohashi Bridge	Maebashi City	2015/8/27	Sunny	28.6	Brown	Faint earth	Loamy	13	49	62	0.05	Dim yellowish brown	Faint earth	Loamy	26	140	166	0.05	
				2015/11/9	Cloudy	17.9	Dim yellowish brown	Faint earth	Loamy	<7.4	11	11	0.04	Dim yellowish brown	Faint earth	Loamy	33	140	173	0.05	
				2016/1/14	Sunny	10.8	Dim yellowish brown	Faint earth	Loamy	<1.4	8.8	8.8	0.04	Dim yellowish brown	Faint earth	Loamy	30	150	180	0.05	
				2015/5/22	Cloudy	25.7	Dim yellowish brown	Faint earth	Loamy	27	150	177	0.04	Blackish brown	Faint earth	Loamy	9.0	38	47	0.05	
				2015/8/18	Sunny	27.2	Dim yellowish brown	Faint earth	Loamy	54	220	274	0.04	Blackish brown	Faint earth	Loamy	33	140	173	0.05	
				2015/11/10	Cloudy	16.3	Dark brown	Faint earth	Loamy	26	110	136	0.04	Blackish brown	Faint earth	Loamy	26	130	156	0.05	
16	Tonegawa River	Fukushima Bridge	Tamamura Town	2016/1/13	Sunny	5.6	Dim yellowish brown	None	Loamy	<7.8	34	34	0.04	Brownish gray	None	Loamy	24	84	108	0.04	
				2015/5/28	Sunny	25.6	Dark brown	Faint earth	Loamy	130	480	610	0.07	Dark brown	Faint earth	Loamy	150	640	790	0.08	
				2015/8/27	Sunny	26.1	Dark brown	Faint earth	Loamy	130	570	700	0.06	Dark brown	Faint earth	Loamy	180	790	970	0.08	
				2015/11/12	Cloudy	15.0	Dark brown	Faint earth	Loamy	120	510	630	0.05	Dark brown	Faint earth	Loamy	67	300	367	0.07	
				2016/1/16	Sunny	3.7	Dark brown	Faint earth	Loamy	140	690	830	0.06	Dark brown	Faint earth	Loamy	290	1,200	1,490	0.09	
				2015/5/28	Cloudy	25.8	Brown	Faint earth	Loamy	120	450	570	0.05	Dim yellowish brown	Faint earth	Loamy	170	590	760	0.06	
17	Nagai River	Kamigonda Bridge	Takasaki City	2015/8/27	Cloudy	24.7	Blackish brown	Faint earth	Loamy	72	360	432	0.05	Dark brown	Faint earth	Loamy	72	350	422	0.06	
				2015/11/12	Cloudy	15.9	Dark brown	Faint earth	Loamy	92	450	542	0.06	Dim yellowish brown	Faint earth	Loamy	81	350	431	0.06	
				2016/1/16	Sunny	9.2	Brown	Faint earth	Loamy	170	740	910	0.07	Dim yellowish brown	Faint earth	Loamy	860	3,800	4,660	0.06	
				2015/5/25	Sunny	23.5	Grayish yellowish brown	Faint earth	Loamy	110	480	590	0.07	Dim yellow orange	Faint earth	Loamy	150	550	700	0.07	
				2015/8/18	Sunny	32.5	Grayish yellowish brown	Faint earth	Loamy	28	140	168	0.07	Dim yellowish brown	Faint earth	Loamy	120	500	620	0.07	
				2015/11/12	Cloudy	11.0	Dim yellowish brown	Faint earth	Loamy	230	1,100	1,330	0.08	Grayish yellowish brown	Faint earth	Loamy	240	1,200	1,440	0.07	
18	Karasu River Area	Karasu River	Karasugawa Bridge	Amaka City	2016/1/16	Sunny	9.1	Brown	Faint earth	Loamy	95	480	575	0.08	Dim yellowish brown	Faint earth	Loamy	160	760	920	0.07

Gunma Rivers (Surrounding Environment) 3/5

Location					Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)										Remarks					
No.	Water area		Location	Municipality				Left bank			Right bank			Air Dose (µSv/h)	Color	Odor	Property		Activity concentration [Bq/kg(dry)]			Air Dose (µSv/h)	
	Color	Odor						Property	Radioactive cesium			Radioactive cesium											
R i v e r s	Tonegawa River System	Karasu River Area	Usui River	Hanataka Bridge	Takasaki City	2015/5/25	Sunny	26.3	Dim yellowish brown	Faint earth	Loamy	33	160	193	0.04	Brown	Faint earth	Loamy	75	260	335	0.05	
						2015/8/18	Sunny	32.2	Dim yellowish brown	None	Loamy	54	210	264	0.04	Dim yellowish brown	None	Loamy	83	320	403	0.04	
						2015/11/12	Cloudy	13.7	Brown	Faint earth	Loamy	60	300	360	0.05	Brown	Faint earth	Loamy	38	170	208	0.06	
						2016/1/16	Sunny	10.6	Dim yellowish brown	Faint earth	Loamy	60	300	360	0.05	Brown	Faint earth	Loamy	34	190	224	0.05	
			21	Kabura River	Tadakawa Bridge	Shimonta Town	2015/5/25	Sunny	26.4	Brown	Faint earth	Loamy	73	290	363	0.06	Olive brown	Faint earth	Loamy	150	550	700	0.08
							2015/8/27	Cloudy	22.9	Dim yellowish brown	Faint earth	Loamy	64	300	364	0.08	Olive brown	Faint earth	Loamy	37	160	197	0.08
							2015/11/13	Sunny	10.6	Dim yellowish brown	Faint earth	Loamy	110	500	610	0.07	Olive brown	Faint earth	Loamy	75	380	455	0.07
							2016/1/19	Sunny	1.8	Dim yellowish brown	Faint earth	Loamy	51	250	301	0.05	Dark olive brown	Faint earth	Loamy	130	620	750	0.06
			22	Kaburagawa Bridge	Takasaki City/Fujioka City	2015/5/22	Sunny	21.9	Dim yellow orange	Faint earth	Loamy	13	62	75	0.04	Dim yellowish brown	Faint earth	Loamy	12	52	64	0.03	
						2015/8/18	Sunny	34.0	Dark brown	Faint earth	Loamy	11	40	51	0.04	Dim yellowish brown	Faint earth	Loamy	<8.2	28	28	0.04	
						2015/11/11	Sunny	16.2	Dim yellowish brown	Faint earth	Loamy	19	89	108	0.05	Blackish brown	Faint earth	Loamy	8.2	28	36	0.04	
						2016/1/13	Sunny	8.2	Brownish gray	None	Loamy	13	53	66	0.05	Brown	None	Loamy	14	76	90	0.04	
		23	Ogawa River	Kinzan Bridge	Kanra Town	2015/5/25	Sunny	25.4	Grayish yellowish brown	Faint earth	Loamy	82	290	372	0.05	Grayish yellowish brown	Faint earth	Loamy	87	300	387	0.05	
						2015/8/20	Cloudy	23.7	Blackish brown	Faint earth	Loamy	13	79	92	0.07	Dark brown	Faint earth	Loamy	120	490	610	0.07	
						2015/11/11	Sunny	14.4	Blackish brown	Faint earth	Loamy	30	110	140	0.05	Blackish brown	Faint earth	Loamy	96	430	526	0.05	
						2016/1/19	Sunny	1.6	Blackish brown	Faint earth	Loamy	14	67	81	0.04	Dim yellowish brown	Faint earth	Loamy	46	190	236	0.05	
		24	Nanmoku River	Ozawa Bridge	Nanmoku Village	2015/5/26	Sunny	25.5	Brown	Faint earth	Loamy	210	740	950	0.05	Grayish yellowish brown	Faint earth	Loamy	340	1,200	1,540	0.07	
						2015/8/19	Sunny	29.7	Brown	None	Loamy	45	180	225	0.05	Grayish yellowish brown	None	Loamy	67	280	347	0.07	
						2015/11/13	Cloudy	11.9	Brown	Faint earth	Loamy	41	170	211	0.05	Dim yellowish brown	Faint earth	Loamy	110	480	590	0.07	
						2016/1/19	Sunny	2.5	Brown	Faint earth	Loamy	51	250	301	0.04	Grayish yellowish brown	Faint earth	Loamy	66	310	376	0.05	
		25	Someya River	Yakushi Bridge	Shioto Village	2015/5/26	Sunny	27.3	Dim yellowish brown	Faint earth	Loamy	57	290	347	0.05	Dim yellowish brown	Faint earth	Loamy	21	120	141	0.04	
						2015/8/10	Sunny	28.8	Dim yellowish brown	Faint earth	Loamy	76	340	416	0.04	Dim yellowish brown	Faint earth	Loamy	16	68	84	0.04	
						2015/11/6	Sunny	21.3	Dim yellowish brown	Faint earth	Loamy	35	170	205	0.04	Dim yellowish brown	Faint earth	Loamy	26	120	146	0.04	
						2016/1/12	Cloudy	5.6	Dim yellowish brown	Faint earth	Loamy	25	150	175	0.04	Brown	Faint earth	Loamy	18	100	118	0.04	
		26	Inogawa River	Kamakura Bridge	Takasaki City	2015/5/22	Sunny	28.4	Brown	Faint earth	Loamy	18	99	117	0.04	Dim yellowish brown	Faint earth	Loamy	18	94	112	0.04	
						2015/8/18	Sunny	27.2	Blackish brown	Faint earth	Loamy	17	98	115	0.04	Blackish brown	Faint earth	Loamy	17	94	111	0.04	
						2015/11/11	Sunny	16.9	Blackish brown	Faint earth	Loamy	19	93	112	0.04	Blackish brown	Faint earth	Loamy	35	120	155	0.05	
						2016/1/13	Sunny	3.6	Dark brown	None	Loamy	12	37	49	0.04	Blackish brown	None	Loamy	21	100	121	0.05	
		27	Karasu River	Iwakura Bridge	Takasaki City/Tamamura Town	2015/6/2	Sunny	24.0	Dim yellowish brown	Faint earth	Loamy	9.4	29	38	0.05	Grayish yellowish brown	Faint earth	Loamy	<7.0	16	16	0.05	
						2015/8/18	Sunny	32.8	Blackish brown	Faint earth	Loamy	53	250	303	0.05	Dark brown	Faint earth	Loamy	30	130	160	0.05	
						2015/11/10	Cloudy	16.8	Blackish brown	Faint earth	Loamy	61	260	321	0.04	Dark brown	Faint earth	Loamy	27	140	167	0.04	
						2016/1/13	Sunny	6.3	Dim yellowish brown	None	Loamy	14	85	99	0.04	Dim yellowish brown	None	Loamy	13	70	83	0.04	
28	Kanna River	Shinkaname Bridge	Ueno Village	2015/5/26	Sunny	26.8	Dim yellow orange	Faint earth	Loamy	92	330	422	0.06	Dim yellowish brown	Faint earth	Loamy	120	480	600	0.06			
				2015/11/13	Cloudy	13.2	Dim yellowish brown	Faint earth	Loamy	33	150	183	0.06	Dim yellowish brown	Faint earth	Loamy	51	240	291	0.06			
				2015/5/26	Sunny	31.2	Brown	Faint earth	Loamy	94	410	504	0.06	Yellowish gray	None	Sandy	<6.3	19	19	0.05			
				2015/11/13	Cloudy	13.2	Dim yellowish brown	Faint earth	Loamy	50	230	280	0.07	Yellowish gray	None	Sandy	<3.3	5.9	5.9	0.06			
29	Morito Bridge	Kanna Town	2015/6/2	Sunny	30.7	Gray	None	Loamy	7.9	41	49	0.06	Gray	None	Loamy	19	75	94	0.06				
			2015/11/11	Sunny	18.7	Olive black	Faint earth	Loamy	48	170	218	0.05	Olive black	Faint earth	Loamy	18	100	118	0.05				
30	Tobukyo Bridge	Fujioka City/Kamisato Town	2015/6/2	Sunny	26.4	Brownish gray	Faint earth	Loamy	12	56	68	0.06	Dark grayish yellow	Faint earth	Loamy	7.9	39	47	0.06				
			2015/11/10	Cloudy	18.1	Blackish brown	Faint earth	Loamy	19	78	97	0.06	Dark olive brown	Faint earth	Loamy	11	51	62	0.05				
31	Kannagawa Bridge	Kamisato Town	2015/6/2	Sunny	28.8	Dim yellowish brown	None	Loamy	23	91	114	0.05	Dim yellowish brown	None	Loamy	34	110	144	0.05				
			2015/8/11	Sunny	29.5	Dim yellowish brown	Faint earth	Loamy	36	170	206	0.04	Grayish yellowish brown	Faint earth	Loamy	22	120	142	0.06				
			2015/11/10	Cloudy	18.8	Dark brown	None	Loamy	29	110	139	0.05	Dark brown	None	Loamy	57	260	317	0.04				
			2016/1/19	Sunny	8.8	Blackish brown	Faint earth	Loamy	20	78	98	0.05	Blackish brown	Faint earth	Loamy	22	83	105	0.05				
32	Tonegawa River Area	Tonegawa River	Bando-ohashi Bridge	Honjo City	2015/6/2	Cloudy	28.8	Dim yellowish brown	None	Loamy	23	91	114	0.05	Dim yellowish brown	None	Loamy	34	110	144	0.05		
					2015/8/11	Sunny	29.5	Dim yellowish brown	Faint earth	Loamy	36	170	206	0.04	Grayish yellowish brown	Faint earth	Loamy	22	120	142	0.06		
					2015/11/10	Cloudy	18.8	Dark brown	None	Loamy	29	110	139	0.05	Dark brown	None	Loamy	57	260	317	0.04		
					2016/1/19	Sunny	8.8	Blackish brown	Faint earth	Loamy	20	78	98	0.05	Blackish brown	Faint earth	Loamy	22	83	105	0.05		

Gunma Rivers (Surrounding Environment) 4/5

Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)													Remarks
No.	Water area		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									
33	Akagishirakawa River	In Shimohosoi Town		2015/5/22	Sunny	23.8	Dim yellowish brown	Faint earth	Loamy	20	65	85	0.05	Dim yellowish brown	Faint earth	Loamy	<8.0	21	21	0.03
				2015/8/27	Sunny	28.8	Dark brown	Faint earth	Loamy	27	120	147	0.05	Dim yellowish brown	Faint earth	Loamy	<6.4	25	25	0.05
				2015/11/9	Cloudy	19.2	Blackish brown	Faint earth	Loamy	20	85	105	0.05	Blackish brown	Faint earth	Loamy	40	190	230	0.04
				2016/1/14	Cloudy	12.6	Dark brown	Faint earth	Loamy	18	110	128	0.05	Dim yellowish brown	Faint earth	Loamy	18	69	87	0.04
34	Momonoki River	Utsubo Bridge	Machashi City	2015/5/22	Sunny	21.7	Dim yellowish brown	Faint earth	Loamy	19	66	85	0.05	Brown	Faint earth	Loamy	18	79	97	0.05
				2015/8/27	Sunny	27.0	Blackish brown	Faint earth	Loamy	19	72	91	0.04	Blackish brown	Faint earth	Loamy	56	280	336	0.05
				2015/11/9	Sunny	20.0	Brown	Faint earth	Loamy	<7.3	30	30	0.05	Brown	Faint earth	Loamy	20	130	150	0.04
				2016/1/14	Sunny	8.8	Brown	Faint earth	Loamy	14	61	75	0.04	Blackish brown	Faint earth	Loamy	41	140	181	0.05
35	Arato River	Okuhara Bridge		2015/5/22	Sunny	22.1	Dim yellowish brown	Faint earth	Loamy	5.0	13	18	0.03	Dark brown	Faint earth	Loamy	8.3	40	48	0.04
				2015/8/27	Sunny	26.0	Dark brown	Faint earth	Loamy	16	55	71	0.04	Dark brown	Faint earth	Loamy	13	65	78	0.04
				2015/11/9	Sunny	22.7	Blackish brown	Faint earth	Loamy	<6.4	34	34	0.04	Blackish brown	Faint earth	Loamy	22	110	132	0.04
				2016/1/14	Sunny	8.5	Blackish brown	Faint earth	Loamy	6.7	42	49	0.04	Blackish brown	Faint earth	Loamy	<5.8	34	34	0.04
36	Kasukawa River	Hozumi Bridge		2015/5/22	Sunny	24.7	Dark brown	Faint earth	Loamy	21	82	103	0.04	Brown	Faint earth	Loamy	12	46	58	0.05
				2015/8/11	Sunny	33.0	Dim yellowish brown	Faint earth	Loamy	30	130	160	0.04	Dim yellowish brown	Faint earth	Loamy	28	110	138	0.04
				2015/11/28	Sunny	9.9	Blackish brown	Faint earth	Loamy	18	83	101	0.04	Blackish brown	Faint earth	Loamy	13	64	77	0.04
				2016/1/19	Sunny	4.8	Blackish brown	Faint earth	Loamy	23	120	143	0.04	Blackish brown	Faint earth	Loamy	9.0	58	67	0.04
37	Hirose River	Nakajima Bridge	Isesaki City	2015/5/22	Sunny	26.5	Brown	Faint earth	Loamy	25	110	135	0.05	Dark brown	Faint earth	Loamy	16	94	110	0.05
				2015/8/11	Sunny	34.0	Dim yellow orange	Faint earth	Loamy	28	120	148	0.04	Brown	Faint earth	Loamy	71	210	281	0.05
				2015/11/28	Sunny	13.6	Dark brown	Faint earth	Loamy	41	180	221	0.05	Blackish brown	Faint earth	Loamy	38	180	218	0.05
				2016/1/19	Sunny	7.6	Dark brown	Faint earth	Loamy	10	61	71	0.04	Blackish brown	Faint earth	Loamy	68	320	388	0.04
38	Hayakawa River	Hayakawa Bridge		2015/5/27	Sunny	24.5	Brown	Faint earth	Loamy	50	180	230	0.06	Brown	Faint earth	Loamy	33	120	153	0.05
				2015/8/12	Sunny	29.4	Brown	Faint earth	Loamy	19	94	113	0.04	Brown	Faint earth	Loamy	51	280	331	0.04
				2015/11/9	Sunny	17.9	Blackish brown	Faint earth	Loamy	21	100	121	0.05	Blackish brown	Faint earth	Loamy	33	190	223	0.05
				2016/1/14	Sunny	6.8	Dim yellowish brown	Faint earth	Loamy	53	230	283	0.05	Dark brown	Faint earth	Loamy	21	110	131	0.05
39	Hayakawa River	Majima Bridge	Ota City	2015/5/22	Sunny	27.2	Dark brown	Faint earth	Loamy	31	100	131	0.04	Brown	Faint earth	Loamy	15	65	80	0.05
				2015/8/11	Sunny	34.4	Dim yellowish brown	Faint earth	Loamy	15	70	85	0.04	Dim yellowish brown	Faint earth	Loamy	33	140	173	0.04
				2015/11/28	Sunny	12.7	Blackish brown	Faint earth	Loamy	43	210	253	0.05	Dark brown	Faint earth	Loamy	15	55	70	0.06
				2016/1/18	Sunny	6.8	Blackish brown	Faint earth	Loamy	5.6	43	49	0.04	Dark brown	Faint earth	Loamy	17	74	91	0.05
40	Tonegawa River	Tone-ozeki Weir	Chiyoda Town/Gyoda City	2015/6/2	Sunny	29.2	Dim yellowish brown	None	Loamy	12	45	57	0.06	Dim yellowish brown	None	Loamy	11	51	62	0.06
				2015/6/30	Cloudy	23.3	Blackish brown	None	Loamy	72	330	402	0.05	Dark brown	None	Loamy	69	300	369	0.06
				2015/7/8	Cloudy	23.2	Dim yellowish brown	None	Loamy	59	270	329	0.05	Dim yellowish brown	None	Loamy	79	320	399	0.06
				2015/8/12	Sunny	29.0	Dim yellowish brown	Faint earth	Loamy	57	300	357	0.06	Dim yellow orange	Faint earth	Loamy	19	110	129	0.06
41	Koguro River	Kayano Bridge	Kiryu City	2015/9/3	Cloudy	28.0	Dim yellowish brown	None	Loamy	42	150	192	0.05	Dim yellowish brown	None	Loamy	73	27	34	0.05
				2015/11/28	Sunny	16.9	Blackish brown	Faint earth	Loamy	17	99	116	0.05	Blackish brown	Faint earth	Loamy	39	140	179	0.05
				2016/1/19	Sunny	7.5	Blackish brown	Faint earth	Loamy	17	120	137	0.05	Blackish brown	Faint earth	Loamy	11	43	54	0.05
				2015/5/27	Sunny	21.5	Blackish brown	Faint earth	Loamy	300	1,100	1,400	0.11	Dark brown	Faint earth	Loamy	140	560	700	0.11
42	Watarase River	Takatsudo	Midori City	2015/6/16	Sunny	20.1	Blackish brown	Faint earth	Loamy	100	420	520	0.11	Blackish brown	Faint earth	Loamy	270	970	1,240	0.11
				2015/7/8	Cloudy	20.7	Blackish brown	Faint earth	Loamy	58	220	278	0.12	Blackish brown	Faint earth	Loamy	130	510	640	0.08
				2015/9/1	Cloudy	21.3	Dark brown	None	Loamy	230	890	1,120	0.11	Blackish brown	None	Loamy	190	760	950	0.10
				2015/9/7	Rain	18.1	Blackish brown	Faint earth	Loamy	86	380	466	0.10	Blackish brown	Faint earth	Loamy	180	820	1,000	0.10
43	Watarase River	Intake for Akaiwayosui water channel	Kiryu City	2015/11/5	Sunny	13.3	Blackish brown	Faint earth	Loamy	620	2,700	3,320	0.11	Blackish brown	Faint earth	Loamy	280	1,200	1,480	0.08
				2016/1/20	Snow	0.1	Blackish brown	Faint earth	Loamy	1,000	4,000	5,000	0.07	Blackish brown	Faint earth	Loamy	39	160	199	0.07
				2015/5/27	Sunny	30.3	Dim yellowish brown	Faint earth	Loamy	26	160	186	0.06	Dim yellow	Faint earth	Loamy	22	120	142	0.05
				2015/9/1	Cloudy	21.4	Blackish brown	None	Loamy	55	240	295	0.06	Olive brown	Faint grass	Loamy	12	49	61	0.05
44	Tatara River	Ejiri Bridge	Oura Town	2015/11/5	Sunny	21.5	Dim yellowish brown	Faint earth	Loamy	49	170	219	0.06	Yellowish brown	Faint earth	Loamy	18	69	87	0.06
				2016/1/20	Snow	0.5	Dark brown	Faint earth	Loamy	28	130	158	0.04	Olive brown	Faint earth	Loamy	11	40	51	0.05
				2015/5/27	Sunny	30.6	Dim yellowish brown	Faint earth	Loamy	<2.8	6.1	6.1	0.06	Blackish brown	Faint earth	Loamy	36	140	176	0.06
				2015/6/24	Sunny	26.7	Dim yellowish brown	Faint earth	Loamy	<1.1	3.4	3.4	0.05	Blackish brown	Faint earth	Loamy	<8.6	11	11	0.06
44	Tatara River	Ejiri Bridge	Oura Town	2015/7/8	Cloudy	23.0	Brown	Faint earth	Loamy	<5.4	11	11	0.06	Blackish brown	Faint earth	Loamy	51	190	241	0.07
				2015/8/12	Sunny	29.7	Brown	Faint earth	Loamy	<8.6	11	11	0.06	Blackish brown	Faint earth	Loamy	33	120	153	0.06
				2015/9/7	Rain	22.8	Brown	Faint earth	Loamy	1.1	4.2	5.3	0.04	Blackish brown	Faint earth	Loamy	17	59	76	0.06
				2015/11/5	Sunny	18.1	Brown	Faint earth	Loamy	36	140	176	0.05	Dim yellowish brown	Faint earth	Loamy	41	150	191	0.07
44	Tatara River	Ejiri Bridge	Oura Town	2016/1/20	Snow	2.2	Dim yellowish brown	Faint earth	Loamy	220	1,000	1,220	0.07	Dark brown	Faint earth	Loamy	95	420	515	0.07
				2015/5/21	Sunny	25.4	Blackish brown	Faint earth	Loamy	17	75	92	0.04	Dim yellowish brown	Faint earth	Loamy	33	110	143	0.04
				2015/8/12	Sunny	29.5	Grayish yellowish brown	Faint earth	Loamy	25	110	135	0.04	Dim yellowish brown	Faint earth	Loamy	27	120	147	0.04
				2015/11/26	Cloudy	9.5	Blackish brown	Faint earth	Loamy	79	400	479	0.05	Grayish yellowish brown	Faint earth	Loamy	20	73	93	0.04
44	Tatara River	Ejiri Bridge	Oura Town	2016/1/15	Sunny	7.2	Blackish brown	None	Loamy	100	520	620	0.05	Dim yellowish brown	Faint earth	Loamy	19	130	149	0.04

Gunma Rivers (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)]			Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (µSv/h)		
											Radioactive cesium						Radioactive cesium					
Cs-134			Cs-137			Total			Cs-134			Cs-137			Total							
Rivers	Tonegawa River System	Watarase River Area	Kiryu River	Kannon Bridge	Kiryu City	2015/5/27	Sunny	30.1	Dark brown	Faint earth	Loamy	21	91	112	0.05	Brown	Faint earth	Loamy	12	46	58	0.06
						2015/8/12	Sunny	32.6	Blackish brown	Faint earth	Loamy	27	95	122	0.06	Dim yellowish brown	Faint earth	Loamy	7.9	39	47	0.05
						2015/11/5	Sunny	12.6	Dark brown	Faint earth	Loamy	29	160	189	0.05	Dark brown	Faint earth	Loamy	24	120	144	0.05
				2016/1/20	Snow	3.0	Dark brown	Faint earth	Loamy	110	450	560	0.06	Blackish brown	Faint earth	Loamy	8.9	54	63	0.07		
				2015/5/21	Sunny	22.8	Grayish yellowish brown	Faint earth	Loamy	17	82	99	0.04	Dim yellowish brown	Faint earth	Loamy	10	49	59	0.06		
				2015/8/12	Sunny	29.9	Grayish yellowish brown	Faint earth	Loamy	12	47	59	0.06	Dim yellowish brown	Faint earth	Loamy	13	88	101	0.05		
			Sakai Bridge	Kiryu City/Ashikaga City	2015/11/26	Cloudy	8.7	Brown	Faint earth	Loamy	15	86	101	0.06	Dim yellowish brown	Faint earth	Loamy	14	74	88	0.06	
					2016/1/15	Sunny	10.9	Dark brown	Faint earth	Loamy	24	120	144	0.04	Dim yellowish brown	Faint earth	Loamy	23	110	133	0.05	
					2015/5/21	Sunny	28.8	Dark brown	Faint earth	Loamy	36	110	146	0.04	Dim yellowish brown	Faint earth	Loamy	30	110	140	0.04	
			Tsurunda River	Lake Jonuma	Tatebayashi City	2015/8/12	Sunny	33.0	Dim yellow orange	Faint earth	Loamy	25	130	155	0.05	Brown	Faint earth	Loamy	85	360	445	0.04
						2015/11/26	Cloudy	9.8	Dim yellowish brown	Faint earth	Loamy	21	84	105	0.04	Dim yellowish brown	Faint earth	Loamy	54	220	274	0.04
						2016/1/15	Sunny	6.0	Dim yellowish brown	Faint earth	Loamy	100	460	560	0.05	Dim yellowish brown	Faint earth	Loamy	64	290	354	0.04
						2015/5/21	Sunny	19.6	Dim yellowish brown	Faint earth	Loamy	16	65	81	0.05	Dim yellowish brown	Faint earth	Loamy	14	50	64	0.04
			Yatagawa River	Togoda Bridge	Meiwa Town /Itakura Town	2015/8/12	Sunny	30.8	Dim yellow orange	Faint earth	Loamy	<3.3	10	10	0.06	Dim yellowish brown	Faint earth	Loamy	58	260	318	0.05
						2015/11/26	Cloudy	10.3	Brown	Faint earth	Loamy	<6.9	20	20	0.05	Dim yellowish brown	Faint earth	Loamy	33	150	183	0.05
2016/1/15	Sunny	4.8				Dim yellowish brown	None	Loamy	<6.2	38	38	0.05	Blackish brown	Faint earth	Loamy	26	140	166	0.04			

Gunma Lakes and Reservoirs (Water) 2/4

L a k e s a n d R e s e r v o i r s	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water										Remarks		
	No.	Water area	Location	Municipality					Water temperature (°C)	Sampling depth (m)	Color	Odor	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Activity concentration(Bq/L)				
																	Cs-134	Cs-137			
55	Lake Akaya (Aimata Dam)	Center	Minakami Town	Surface layer	2015/6/5	Cloudy	18.4	43.2	17.0	0.5	Grayish green	None	5.2	7.3	<1	0.3	<-0.81	<-0.70			
				Deep layer					7.1	42.2	-	None		4.4	2	1.5	<-0.74	<-0.69			
				Surface layer	2015/8/7	Sunny	25.5	33.0	26.3	0.5	Grayish green	None	2.8	7.9	<1	0.6	<-0.73	<-0.54			
				Deep layer					10.4	32.0	-	None		4.9	7	5.0	<-0.82	<-0.75			
				Surface layer	2015/10/2	Sunny	18.2	36.2	16.4	0.5	Grayish green	None	3.3	7.2	<1	0.5	<-0.85	<-0.80			
				Deep layer					10.1	35.2	-	None		5.3	8	7.1	<-0.80	<-0.80			
		Surface layer	2015/12/1	Sunny	7.7	43.5	11.4	0.5	Grayish green	None	3.5	8.6	1	1.3	<-0.65	<-0.75					
		Deep layer					9.1	42.5	-	None		6.5	14	9.2	<-0.68	<-0.80					
		56	Tonegawa River Area	Center	Numata City	Surface layer	2015/6/5	Cloudy	18.0	32.2	18.8	0.5	Dark grayish yellow green	None	1.8	6.9	5	2.6	<-0.74	<-0.61	
						Deep layer					12.7	31.2	-	None		6.6	2	2.3	<-0.63	<-0.80	
						Surface layer	2015/8/24	Cloudy	21.6	28.5	20.8	0.5	Grayish yellow green	None	1.6	9.4	2	1.9	<-0.78	<-0.84	
						Deep layer					20.1	27.5	-	None		9.1	12	5.6	<-0.66	<-0.88	
	Surface layer					2015/10/14	Sunny	21.7	31.6	15.7	0.5	Dark grayish yellow green	None	3.2	8.7	<1	0.7	<-0.71	<-0.88		
	Deep layer									14.0	30.6	-	None		9.9	16	9.1	<-0.70	<-0.80		
	Surface layer			2015/12/8	Sunny	9.6	40.1	9.3	0.5	Grayish yellow green	None	6.0	10.4	<1	0.7	<-0.69	<-0.84				
	Deep layer							9.2	39.1	-	None		10.9	15	3.2	<-0.64	<-0.84				
	57			Lake Akagiomuma	Center	Maebashi City	Surface layer	2015/6/16	Cloudy	18.7	16.3	18.0	0.5	Dark grayish yellow green	None	6.2	4.6	<1	0.4	<-0.72	<-0.63
							Deep layer					8.4	15.3	-	None		5.0	3	1.8	<-0.82	<-0.80
							Surface layer	2015/9/1	Rain	19.0	16.0	19.6	0.5	Dark grayish yellow green	None	4.8	4.8	<1	0.4	<-0.77	<-0.69
							Deep layer					12.9	15.0	-	None		5.3	2	1.7	<-0.71	<-0.75
		Surface layer	2015/10/15				Sunny	14.1	16.5	14.0	0.5	Dark grayish yellow green	None	4.1	4.8	4	2.2	<-0.51	<-0.75		
		Deep layer								12.7	15.5	-	None		4.8	2	0.9	<-0.55	<-0.61		
		Surface layer	2015/11/16		Sunny	14.0	16.8	9.8	0.5	Dark grayish yellow green	None	3.5	4.7	3	1.4	<-0.61	<-0.63				
		Deep layer						9.7	15.8	-	None		4.7	5	2.0	<-0.63	<-0.75				
		58	Lake Okushima (Shimagawa Dam)		Center	Nakanajo Town	Surface layer	2015/6/8	Cloudy	18.8	36.4	13.7	0.5	Light grayish blue	None	5.2	12.0	1	0.6	<-0.75	<-0.88
							Deep layer					5.6	35.4	-	None		13.1	25	5.8	<-0.61	<-0.63
							Surface layer	2015/8/25	Rain	16.3	35.3	16.2	0.5	Light grayish blue green	None	9.1	8.4	1	1.7	<-0.69	<-0.69
							Deep layer					6.4	34.4	-	None		14.9	<1	0.3	<-0.66	<-0.55
	Surface layer			2015/10/20			Sunny	18.9	40.4	13.8	0.5	Dark grayish blue green	None	9.5	10.1	1	1.1	<-0.66	<-0.80		
	Deep layer									6.9	39.4	-	None		15.0	7	1.0	<-0.78	<-0.75		
Surface layer	2015/12/9			Sunny	4.7	48.1	7.7	0.5	Grayish blue green	None	15.9	11.2	2	0.9	<-0.83	<-0.88					
Deep layer							7.1	47.1	-	None		11.6	1	0.7	<-0.80	<-0.84					
59	Agatsuma River Area			Center	Nakanajo Town	Surface layer	2015/6/8	Cloudy	19.4	8.2	16.6	0.5	Light grayish greenish blue	None	6.5	19.0	1	0.7	<-0.51	<-0.80	
						Deep layer					14.8	7.2	-	None		21.2	2	1.2	<-0.74	<-0.92	
						Surface layer	2015/8/25	Cloudy	16.5	8.6	17.1	0.5	Light grayish blue green	None	4.8	11.3	3	1.8	<-0.90	<-0.69	
						Deep layer					16.2	7.6	-	None		11.8	4	1.8	<-0.71	<-0.75	
		Surface layer	2015/10/2			Sunny	16.5	9.3	14.3	0.5	Dark grayish green	None	4.7	16.1	2	0.4	<-0.57	<-0.80			
		Deep layer							13.8	8.3	-	None		13.0	<1	0.2	<-0.57	<-0.80			
		Surface layer	2015/12/9	Sunny	8.5	7.5	9.0	0.5	Dark grayish yellowish green	None	5.4	25.1	4	1.3	<-0.73	<-0.84					
		Deep layer					8.4	6.5	-	None		26.0	<1	0.8	<-0.66	<-0.80					
		60	Lake Tashiro (Kazawa Dam)	Center	Tsumagoi Village	Surface layer	2015/6/9	Cloudy	19.3	6.8	18.7	0.5	Grayish greenish yellow	None	1.6	7.2	5	3.3	<-0.63	<-0.63	
						Deep layer					12.7	5.8	-	None		7.8	3	2.6	<-0.61	<-0.75	
						Surface layer	2015/8/28	Cloudy	20.8	4.6	22.2	0.5	Grayish greenish yellow	None	1.5	7.2	1	1.4	<-0.69	<-0.75	
				Deep layer	21.6	3.6					-	None	7.2	2		1.9	<-0.79	<-0.69			
Surface layer	2015/10/1			Rain	11.9	4.8	17.8	0.5	Grayish greenish yellow	None	1.2	7.4	3	2.2	<-0.88	<-0.88					
Deep layer							17.3	3.8	-	None		7.4	3	1.9	<-0.68	<-0.75					
Surface layer	2015/11/19	Sunny	10.0	4.8	10.7	0.5	Grayish greenish yellow	None	1.5	7.8	2	1.7	<-0.72	<-0.69							
Deep layer					10.5	3.8	-	None		7.9	15	4.6	<-0.72	<-0.69							

Gunma Lakes and Reservoirs (Sediment) 1/2

No.	Water area	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																		Remarks			
		Location	Municipality	Sediment temperature (°C)					Sample length (cm)	Color	Odor	General items								Sediment content (%)	Density (g/cm³)	Property	Activity concentration [Bq/kg(dry)]							
												Coarse gravel	Medium gravel	Fine gravel	Grain size distribution(%)			Silt	Clay				Cs-134	Cs-137	Total					
															Coarse sand	Medium sand	Fine sand													
																		Radioactive cesium												
L a k e s R e s e r v o i r s	49	Lake Okutone (Yagisawa Dam)	Center		2015/6/4	Cloudy	14.7	79.8	6.0	10	Gnypish olive	Faint earth	0.0	0.0	0.0	0.3	0.1	37.4	62.2	38.2	2.598	Silt	200	810	1,010					
					2015/8/6	Sunny	29.6	82.2	14.4	10	Gnypish olive	Faint earth	0.0	0.0	0.0	0.0	0.0	45.4	54.6	38.1	2,606	Silt	180	760	940					
					2015/10/1	Sunny	16.8	83.7	12.2	10	Gnypish olive	Faint earth	0.0	0.1	0.1	0.0	0.5	50.9	48.3	36.7	2,609	Silt	140	770	910					
					2015/11/17	Cloudy	13.4	83.6	9.8	10	Gnypish olive	None	0.0	0.0	0.0	0.1	0.0	47.3	52.5	39.9	2,591	Silt	150	640	790					
					2015/6/4	Cloudy	13.6	91.9	5.3	10	Gnypish olive	None	0.0	0.0	0.0	0.0	0.1	8.8	58.5	40.6	29.8	2,468	Silt	320	1,300	1,620				
					2015/8/6	Sunny	30.2	89.5	15.2	10	Gnypish olive	None	0.0	0.0	0.0	0.0	0.2	0.7	62.5	36.7	27.6	2,511	Silt	380	1,400	1,780				
		50	Lake Naramata (Naramata Dam)	Center	Minakami Town	2015/10/1	Cloudy	16.6	78.4	7.2	10	Olive	None	0.0	0.0	0.0	0.1	0.2	0.6	61.9	37.3	28.0	2,506	Silt	530	2,500	3,030			
						2015/11/17	Cloudy	18.2	93.4	6.1	5	Gnypish olive	None	0.0	0.0	0.0	0.0	0.2	59.8	39.9	31.5	2,496	Silt	230	1,000	1,230				
						2015/6/4	Sunny	14.0	46.0	5.7	7	Gnypish olive	None	0.0	0.0	0.0	0.4	0.5	1.1	65.1	33.0	29.4	2,483	Silt	110	510	620			
						2015/8/6	Cloudy	27.1	46.5	8.2	10	Dark olive	None	0.0	0.0	0.3	2.7	2.4	46.8	48.3	36.2	2,580	Silt	120	510	630				
						2015/10/1	Cloudy	15.0	42.0	7.6	6	Gnypish olive	None	0.0	0.0	0.0	0.5	1.0	69.5	28.4	31.0	2,504	Silt	81	350	431				
						2015/11/24	Cloudy	15.4	40.9	8.6	7	Gnypish olive	None	0.0	0.0	0.3	0.2	1.7	63.4	34.4	37.7	2,598	Silt	110	520	630				
	52	Lake Marunuma (Marunuma Dam)	Center	Katsushina Village	2015/6/15	Sunny	23.4	41.5	6.5	10	Black	Faint rottenness	0.0	0.0	0.0	0.1	0.1	0.1	60.3	39.4	20.6	2,432	Silt	37	190	227				
					2015/8/4	Sunny	28.4	41.8	6.2	10	Olive black	Faint rottenness	0.0	0.0	0.0	0.1	0.0	64.3	35.6	19.3	2,425	Silt	45	220	265					
					2015/10/15	Sunny	15.9	41.5	4.7	10	Black	Faint sewage	0.0	0.0	0.0	0.1	0.2	0.6	48.2	50.9	20.4	2,428	Silt	21	97	118				
					2015/11/25	Cloudy	2.6	41.8	7.2	10	Black	Faint sewage	0.0	0.0	0.0	0.7	2.4	5.6	60.3	31.0	21.3	2,385	Silt	62	290	352				
					2015/6/5	Cloudy	17.3	41.8	5.7	10	Dark olive	None	0.0	0.0	0.0	0.0	0.1	40.6	59.3	36.0	2,608	Silt	270	950	1,220					
					2015/8/7	Sunny	33.1	40.8	10.2	10	Dark olive	None	0.0	0.0	0.0	0.0	0.0	43.0	57.0	38.9	2,628	Silt	240	1,000	1,240					
	53	Lake Fujiwara (Fujiwara Dam)	Center	Minakami Town	2015/10/2	Cloudy	17.7	60.2	9.7	10	Dim yellowish brown	None	0.0	0.0	0.0	0.0	0.0	3.4	71.3	25.4	28.0	2,427	Silt	170	640	810				
					2015/12/1	Sunny	7.6	48.0	8.8	10	Olive black	None	0.0	0.0	0.0	0.3	1.5	7.3	57.6	33.3	33.0	2,538	Silt	200	1,100	1,300				
					2015/6/5	Cloudy	14.0	39.0	8.1	10	Gnypish olive	None	0.0	0.0	0.0	0.0	0.4	51.1	48.5	29.6	2,591	Silt	320	1,100	1,420					
					2015/8/24	Sunny	21.3	40.3	13.5	10	Dark olive	None	0.0	0.0	0.0	0.0	0.2	0.4	88.5	51.0	46.8	2,593	Silt	270	1,000	1,270				
					2015/10/13	Sunny	12.8	40.0	13.2	10	Gny	None	0.0	0.0	0.0	0.0	0.0	56.9	43.2	29.1	2,588	Silt	110	550	660					
					2015/11/19	Sunny	10.0	37.0	11.0	10	Gny	None	0.0	0.0	0.0	0.1	0.2	0.4	57.8	41.4	28.8	2,592	Silt	130	420	550				
					55	Lake Akaya (Aimata Dam)	Center	Minakami Town	2015/6/5	Cloudy	18.4	43.2	7.7	7	Gnypish olive	None	0.0	0.0	0.0	0.1	0.2	0.2	51.3	48.4	36.4	2,570	Silt	130	620	750
									2015/8/7	Sunny	25.5	33.0	12.2	7	Gnypish olive	None	0.0	0.0	0.0	0.4	0.0	0.0	61.9	37.8	30.0	2,501	Silt	170	810	980
									2015/10/2	Sunny	18.2	36.2	11.7	10	Gnypish olive	None	0.0	0.0	0.0	0.0	0.0	49.8	50.2	35.2	2,591	Silt	250	1,100	1,350	
									2015/12/1	Sunny	7.7	43.5	9.3	7	Dark olive	None	0.0	0.0	0.0	0.1	0.2	1.1	55.3	43.3	36.7	2,630	Silt	350	1,500	1,850
									2015/6/5	Cloudy	18.0	32.2	12.5	10	Gnypish olive	None	0.0	0.0	0.0	0.2	4.1	66.3	29.4	38.9	2,539	Silt	61	220	281	
									2015/8/24	Cloudy	21.6	28.5	20.3	10	Gnypish olive	None	0.0	0.0	0.0	0.4	0.7	6.3	65.7	26.8	35.6	2,465	Silt	99	220	279
	56	Lake Sonohara (Sonohara Dam)	Center	Numata City	2015/10/14	Sunny	21.7	31.6	17.0	10	Gnypish olive	None	0.0	0.0	0.0	0.1	0.2	2.6	77.3	19.8	38.7	2,532	Silt	33	160	193				
					2015/12/8	Sunny	9.6	40.1	9.7	10	Gnypish olive	None	0.0	0.0	0.0	0.1	0.2	4.8	76.8	18.0	41.8	2,551	Silt	26	120	146				
					2015/6/16	Cloudy	18.7	16.3	9.1	10	Olive black	Faint sewage	0.0	0.0	0.0	0.0	0.1	0.6	79.7	19.6	14.1	2,278	Silt	440	1,300	1,740				
					2015/9/1	Rain	19.0	16.0	13.0	10	Olive black	None	0.0	0.0	0.0	0.0	2.7	2.6	69.9	24.8	14.7	2,271	Silt	240	990	1,230				
					2015/10/15	Sunny	14.1	16.5	12.2	10	Olive black	Faint sewage	0.0	0.0	0.0	0.1	0.4	0.5	75.5	23.5	15.0	2,225	Silt	130	530	660				
					2015/11/16	Sunny	14.0	16.8	10.0	10	Olive black	Faint sewage	0.0	0.0	0.0	0.0	0.0	1.8	80.1	18.1	13.5	2,236	Silt	420	1,500	1,920				
	58	Lake Okushima (Shimagawa Dam)	Center	Nakanajo Town	2015/6/8	Cloudy	18.8	36.4	7.0	10	Blackish brown	Faint sewage	0.0	0.0	0.0	0.0	0.1	63.0	36.9	29.0	2,533	Silt	970	3,600	4,570					
					2015/8/25	Rain	16.3	35.3	7.2	5	Dim yellowish brown	Faint sewage	0.0	0.0	0.0	0.1	0.3	5.6	62.4	31.6	39.2	2,561	Silt	230	910	1,140				
					2015/10/20	Sunny	18.9	40.4	7.1	5	Brown	Faint sewage	0.0	0.0	0.0	0.1	0.4	1.9	57.9	39.7	38.2	2,608	Silt	110	470	580				
					2015/12/9	Sunny	4.7	48.1	7.0	7	Brown	Faint sewage	0.0	0.2	0.3	0.0	0.2	2.4	66.7	30.2	29.5	2,652	Silt	370	1,700	2,070				
2015/6/8					Cloudy	19.4	8.2	14.0	4	Olive black	Faint sewage	0.0	0.0	0.0	0.4	3.0	29.6	45.4	21.6	36.0	2,494	Silt	160	560	720					
2015/8/25					Cloudy	16.5	8.6	17.2	5	Olive black	Faint sewage	0.0	1.8	3.4	4.3	14.8	34.2	34.7	6.8	32.6	2,388	Silt	120	550	670					
59	Lake Shimako (Nakanajo Dam)	Center		2015/10/2	Sunny	16.5	9.3	12.5	3	Gnypish olive	Faint sewage	0.0	0.0	0.0	0.2	2.2	63.7	26.2	7.8	61.9	2,748	Sand	19	88	107					
				2015/12/9	Sunny	8.5	7.5	9.2	3	Olive black	Faint sewage	0.0	1.5	4.4	3.5	7.8	99.6	16.5	6.9	34.9	2,558	Silt	69	270	339					
				2015/6/9	Cloudy	19.3	6.8	12.3	7	Black	None	0.0	0.0	0.0	0.2	1.2	4.0	75.5	19.1	24.8	2,347	Silt	63	280	343					
				2015/8/28	Cloudy	20.8	4.6	20.8	8	Black	None	0.0	0.0	0.0	0.2	0.1	0.9	76.1	22.8	21.4	2,307	Silt	140	470	610					
60	Lake Tashiro (Kazawa Dam)	Center	Tsumagoi Village	2015/10/1	Rain	11.9	4.8	16.7	10	Black	Faint sewage	0.0	0.0	0.0	0.0	0.0	0.4	69.4	30.2	21.1	2,316	Silt	100	520	620					
				2015/11/19	Sunny	10.0	4.8	10.5	8	Black	None	0.0	0.0	0.0	0.1	1.8	4.5	71.1	22.4	24.1	2,289	Silt	120	460	580					

Gunma Lakes and Reservoirs (Sediment) 2/2

L a k e s a n d R e s e r v o i r s	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment																Remarks			
	No.	Water area	Location						Municipality	Sediment temperature (°C)	Sample length (cm)	Color	Odor	Grain size distribution(%)								Sediment content (%)	Density (g/cm ³)	Property		Activity concentration [Bq/kg(dry)]		
			Coarse gravel	Medium gravel										Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Radioactive cesium								
																				Cs-134	Cs-137					Total		
61	Lake Haruna	Center	Takaoki City/Higashi-Agatsuma Town	2015/6/18	Rain	14.9	14.3	7.8	8	Black	Faint sewage	0.0	0.0	0.0	61.6	0.1	0.3	0.0	61.6	38.1	8.3	2.157	Silt	120	350	470		
				2015/8/26	Rain	15.9	14.5	7.2	8	Black	Faint sewage	0.0	0.0	0.0	0.8	12.8	5.2	42.1	39.1	7.3	2.102	Silt	66	280	346			
				2015/10/2	Sunny	18.2	14.5	9.2	10	Black	Faint sewage	0.0	0.0	0.0	0.1	1.3	63.8	34.7	7.8	2.235	Silt	90	370	460				
				2015/11/17	Cloudy	17.7	14.2	7.9	8	Black	Faint sewage	0.0	0.0	0.0	0.1	0.4	0.5	71.2	27.8	7.7	2.130	Silt	130	520	650			
	62	Lake Kirizumi (Kirizumi Dam)	Center	Annaka City	2015/6/8	Cloudy	15.5	16.3	7.5	10	Olive black	None	0.0	0.0	0.0	0.5	14.3	65.6	19.6	40.9	2.564	Silt	140	430	570			
					2015/8/18	Sunny	28.0	13.8	11.0	10	Olive black	None	0.0	0.0	0.2	0.5	5.5	77.3	16.7	34.8	2.485	Silt	110	490	600			
					2015/10/8	Sunny	15.4	7.3	13.3	10	Blackish brown	Faint rotteness	0.0	5.5	13.7	12.6	14.1	9.2	36.0	8.9	41.6	2.615	Silt	120	560	680		
					2015/12/3	Cloudy	10.0	7.0	7.5	10	Brownish gray	Faint hydrogen sulfide	0.0	0.0	0.0	0.5	0.6	1.5	77.1	20.3	36.5	2.493	Silt	130	540	670		
	63	Lake Usui (Sakamoto Dam)	Center	Annaka City	2015/6/8	Cloudy	17.6	12.8	9.1	10	Olive black	Faint rotteness	0.0	0.0	0.0	0.0	3.6	76.4	20.1	28.8	2.451	Silt	180	810	990			
					2015/8/18	Sunny	29.6	13.5	16.3	10	Olive black	Faint rotteness	0.0	0.0	0.0	0.3	0.0	2.8	71.6	25.4	32.0	2.430	Silt	220	910	1,130		
					2015/10/8	Sunny	16.8	10.8	13.6	10	Blackish brown	None	0.0	0.0	0.0	0.1	0.2	1.7	76.4	21.6	25.4	2.392	Silt	170	660	830		
					2015/12/3	Cloudy	14.0	12.0	8.4	10	Dark brown	None	0.0	0.0	0.0	0.1	0.2	4.0	76.6	19.2	27.9	2.415	Silt	110	630	740		
64	Lake Arafane (Doharagawa Dam)	Center	Shimonita Town	2015/6/9	Cloudy	18.0	30.5	6.8	10	Gny	Faint sewage	0.0	0.0	0.0	0.0	0.2	6.2	61.0	32.7	41.9	2.699	Silt	120	410	530			
				2015/8/19	Sunny	30.0	26.0	11.8	10	Gny	None	0.0	0.0	0.0	0.1	0.4	2.8	61.5	35.3	33.5	2.591	Silt	47	190	237			
				2015/10/8	Sunny	20.3	15.0	9.5	10	Gny	Faint rotteness	0.0	0.0	0.0	0.0	0.3	21.1	64.1	14.5	52.1	2.665	Silt	9.2	47	56			
				2015/12/3	Sunny	14.2	35.0	6.4	10	Gny	None	0.0	0.0	0.0	0.1	0.3	2.9	64.7	32.0	34.3	2.597	Silt	130	530	660			
65	Lake Ohno (Ohno Dam)	Center	Tomioaka City	2015/6/9	Cloudy	22.0	15.2	20.2	10	Grayish olive	Faint rotteness	0.0	0.0	0.0	0.0	0.3	49.9	49.8	31.8	2.575	Silt	98	370	468				
				2015/8/19	Sunny	30.3	13.0	25.7	10	Grayish olive	Faint rotteness	0.0	0.0	0.0	0.1	0.1	0.6	34.4	64.8	26.2	2.530	Silt	110	500	610			
				2015/10/9	Sunny	17.0	15.0	18.4	10	Gny	Faint rotteness	0.0	0.0	0.0	0.0	0.1	0.1	38.6	61.2	25.4	2.571	Silt	120	520	640			
				2015/12/4	Sunny	10.4	15.5	11.2	10	Gny	None	0.0	0.0	0.0	0.2	0.2	0.6	50.6	48.3	27.8	2.602	Silt	100	500	600			
66	Lake Kama (Shimokubo Dam)	Center	Fujioka City/Kamikawa Town	2015/6/10	Sunny	21.0	74.7	9.8	10	Gny	Faint earth	0.0	0.0	0.0	0.0	0.0	0.0	13.3	86.7	44.0	2.760	Silt	56	170	226			
				2015/8/19	Sunny	27.6	74.9	7.2	10	Gny	Faint earth	0.0	0.0	0.0	0.1	0.1	0.4	52.4	47.1	38.8	2.673	Silt	35	140	175			
				2015/10/9	Sunny	22.0	71.0	9.8	10	Gny	Faint rotteness	0.0	0.0	0.0	0.1	0.1	0.1	43.2	56.7	43.9	2.756	Silt	20	98	118			
				2015/12/10	Sunny	8.0	77.0	6.2	10	Gny	Faint rotteness	0.0	0.0	0.0	0.3	0.4	1.3	36.6	61.4	35.6	2.647	Silt	42	230	272			
67	Lake Hebikami (Shiozawa Dam)	Center	Kanna Town	2015/6/10	Sunny	25.0	10.4	16.6	10	Olive black	None	0.0	0.0	0.0	0.0	0.1	1.9	73.3	24.8	31.1	2.558	Silt	120	410	530			
				2015/8/19	Sunny	27.7	7.5	13.5	10	Olive black	None	0.0	0.0	0.0	0.2	2.3	12.4	65.9	19.2	30.5	2.442	Silt	81	440	521			
				2015/10/9	Sunny	22.8	10.5	13.8	10	Olive black	None	0.0	0.0	0.0	0.1	0.1	1.2	73.8	24.8	30.2	2.503	Silt	98	450	548			
				2015/12/4	Sunny	9.8	15.0	9.0	10	Olive black	None	0.0	0.0	0.0	0.3	0.7	3.1	76.5	19.4	32.1	2.453	Silt	96	380	476			
68	Lake Kusaki (Kusaki Dam)	Center	Midori City	2015/6/11	Sunny	28.7	41.2	12.5	3	Olive black	None	0.0	0.0	0.0	0.1	0.7	4.0	54.8	29.7	10.7	61.0	2.638	Sand/silt	40	160	200		
				2015/8/25	Cloudy	19.2	26.3	19.3	5	Olive black	None	0.0	0.0	0.0	0.8	9.2	61.6	22.4	6.0	52.5	2.626	Silt/sand	47	190	237			
				2015/10/16	Cloudy	16.4	16.4	13.6	2	Blackish brown	None	4.0	2.7	1.9	3.6	11.7	23.6	43.1	9.5	44.7	2.653	Sand/silt	67	290	357			
				2015/12/1	Sunny	14.0	25.1	9.7	2	Blackish brown	None	0.0	0.0	0.0	2.1	0.8	2.2	14.6	53.9	19.9	6.5	69.0	2.706	Sand/silt	19	96	115	
69	Lake Umeda (Kiryugawa Dam)	Center	Kiryu City	2015/6/11	Sunny	29.6	29.1	6.3	5	Dark olive	None	0.0	0.0	0.0	0.0	0.1	0.0	57.3	42.6	28.0	2.521	Silt	40	200	240			
				2015/8/25	Cloudy	17.0	28.8	8.9	5	Dim yellowish brown	None	0.0	0.0	0.0	0.5	1.2	2.5	60.1	35.7	23.4	2.463	Silt	140	640	790			
				2015/10/16	Cloudy	17.7	24.1	7.5	5	Grayish yellowish brown	Faint sewage	11.8	6.2	1.1	0.9	0.7	0.6	44.1	34.6	23.0	2.533	Silt	160	790	950			
				2015/12/1	Sunny	14.5	31.8	8.8	5	Brownish gray	None	0.0	0.0	0.0	0.1	0.1	0.2	53.1	46.5	21.5	2.547	Silt	110	390	500			
70	Lake Nozori (Nozori Dam)	Center	Nakanejo Town	2015/6/9	Cloudy	18.1	21.5	9.6	7	Dark olive	None	0.0	2.2	1.9	3.1	5.0	3.9	63.8	20.2	31.6	2.515	Silt	180	840	1,020			
				2015/8/28	Cloudy	19.2	22.8	14.0	7	Dark olive	None	0.0	0.0	0.0	0.1	0.3	0.2	68.3	31.1	24.9	2.427	Silt	410	1,800	2,210			
				2015/10/1	Sunny	15.1	22.6	14.7	7	Dark olive	None	0.0	0.0	0.0	0.1	0.2	3.9	74.9	21.0	32.5	2.546	Silt	180	870	1,050			
				2015/11/19	Cloudy	8.9	22.5	8.9	7	Dark olive	None	0.0	3.6	2.3	3.4	5.4	3.9	67.8	13.8	30.0	2.461	Silt	94	360	454			
71	Lake Jonuma	Center	Tatebayashi City	2015/6/10	Sunny	25.5	1.9	21.6	10	Black	None	0.0	0.0	0.0	0.0	0.2	1.2	75.0	23.7	18.6	2.433	Silt	98	420	518			
				2015/8/21	Cloudy	27.2	2.1	26.9	10	Black	None	0.0	0.0	0.0	0.2	0.3	1.7	63.1	34.8	18.2	2.293	Silt	100	460	560			
				2015/10/13	Sunny	27.7	1.8	22.3	10	Black	Faint sewage	0.0	0.0	0.0	0.0	0.3	1.8	71.0	26.8	17.8	2.428	Silt	140	540	680			
				2015/12/17	Sunny	12.4	2.1	11.5	10	Black	Faint sewage	0.0	0.0	0.0	0.0	0.2	1.3	72.8	25.7	17.3	2.440	Silt	88	600	688			
72	Lake Tatanuma	Center	Tatebayashi City	2015/6/10	Sunny	28.6	6.7	19.1	10	Black	Faint sewage	0.0	0.0	0.0	0.0	0.1	0.1	66.4	33.5	18.0	2.422	Silt	110	400	510			
				2015/8/21	Cloudy	27.9	6.7	24.4	10	Black	Faint sewage	0.0	0.0	0.0	0.7	2.9	10.5	64.8	21.1	18.9	2.322	Silt	100	490	590			
				2015/10/13	Sunny	27.1	6.5	19.4	10	Black	Faint sewage	0.0	0.0	0.0	0.1	0.2	0.4	65.0	34.4	17.9	2.364	Silt	79	350	429			
				2015/12/17	Sunny	10.8	5.6	10.9	10	Black	Faint sewage	0.0	0.0	0.0	0.0	0.0	0.3	59.1	40.6	18.9	2.446	Silt	250	810	1,060			

Gunma Lakes and Reservoirs (Surrounding Environment) 1/3

No.	Water area	Location		Municipality	Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)						Remarks	
								Soil			Air				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 Area	Lake Okutone (Yagisawa Dam)	Center	Minakami Town	2015/6/4	Cloudy	14.7	Dim yellowish brown	Faint earth	Loamy	55	160	215	0.14	
					2015/8/6	Sunny	29.6	Dim yellowish brown	Faint earth	Loamy	43	150	193	0.15	
		2015/10/1	Sunny		16.8	Dim yellowish brown	Faint earth	Loamy	74	300	374	0.14			
		2015/11/17	Cloudy		13.4	Dim yellowish brown	Faint earth	Loamy	23	120	143	0.14			
		2015/6/4	Cloudy		13.6	Yellowish brown	Faint earth	Loamy	200	790	990	0.16			
		2015/8/6	Sunny		30.2	Yellowish brown	None	Loamy	120	460	580	0.16			
		2015/10/1	Cloudy		16.6	Yellowish brown	Faint earth	Loamy	90	420	510	0.17			
		2015/11/17	Cloudy		18.2	Olive brown	Faint earth	Loamy	100	450	550	0.17			
		50	Lake Naramata (Naramata Dam)	Center	Minakami Town	2015/6/4	Sunny	14.0	Brown	Faint earth	Loamy	230	970	1,200	0.15
						2015/8/6	Cloudy	27.1	Dim yellowish brown	Faint earth	Loamy	150	570	720	0.15
						2015/10/1	Cloudy	15.0	Brown	Faint earth	Loamy	210	930	1,140	0.13
						2015/11/24	Cloudy	15.4	Brown	Faint earth	Loamy	320	1,500	1,820	0.15
		51	Lake Dogen (Sudagai Dam)	Center	Minakami Town	2015/6/15	Sunny	23.4	Dim yellowish brown	Faint earth	Loamy	33	150	183	0.08
						2015/8/4	Sunny	28.4	Dark brown	Faint earth	Loamy	37	130	167	0.08
						2015/10/15	Sunny	15.9	Grayish yellowish brown	None	Loamy	48	210	258	0.09
						2015/11/25	Cloudy	2.6	Grayish yellowish brown	Faint earth	Loamy	35	150	185	0.09
		52	Lake Marunuma (Marunuma Dam)	Center	Katahina Village	2015/6/5	Cloudy	17.3	Dark brown	Faint earth	Loamy	110	400	510	0.07
						2015/8/7	Sunny	33.1	Dark brown	Faint earth	Loamy	140	590	730	0.06
						2015/10/2	Cloudy	17.7	Dark brown	Faint earth	Loamy	180	720	900	0.07
						2015/12/1	Sunny	7.6	Brown	Faint earth	Loamy	130	520	650	0.06
		53	Lake Fujiwara (Fujiwara Dam)	Center	Minakami Town	2015/6/5	Cloudy	14.0	Brown	None	Loamy	330	1,200	1,530	0.18
						2015/8/24	Sunny	21.3	Brown	Faint earth	Loamy	87	340	427	0.18
						2015/10/13	Sunny	12.8	Dim yellowish brown	None	Loamy	260	1,100	1,360	0.17
						2015/11/19	Sunny	10.0	Dim yellowish brown	None	Loamy	530	2,400	2,930	0.16
		54	Lake Tanbara (Tanbara Dam)	Center	Numata City	2015/6/5	Cloudy	18.4	Grayish yellowish brown	Faint earth	Loamy	190	720	910	0.09
						2015/8/7	Sunny	25.5	Dark brown	Faint earth	Loamy	210	910	1,120	0.08
						2015/10/2	Sunny	18.2	Blackish brown	Faint earth	Loamy	75	380	455	0.07
						2015/12/1	Sunny	7.7	Dark brown	Faint earth	Loamy	110	590	700	0.07
55	Lake Akaya (Aimata Dam)	Center	Minakami Town	2015/6/5	Cloudy	18.0	Grayish yellowish brown	Faint earth	Loamy	97	410	507	0.07		
				2015/8/24	Cloudy	21.6	Blackish brown	Faint earth	Loamy	24	100	124	0.07		
				2015/10/14	Sunny	21.7	Grayish yellowish brown	Faint earth	Loamy	190	850	1,040	0.08		
				2015/12/8	Sunny	9.6	Blackish brown	Faint earth	Loamy	110	430	540	0.06		
56	Lake Sonohara (Sonohara Dam)	Center	Numata City	2015/6/16	Cloudy	18.7	Blackish brown	Faint earth	Loamy	69	300	369	0.09		
				2015/9/1	Rain	19.0	Blackish brown	None	Loamy	88	340	428	0.08		
				2015/10/15	Sunny	14.1	Blackish brown	Faint earth	Loamy	8.8	54	63	0.07		
				2015/11/16	Sunny	14.0	Blackish brown	Faint earth	Loamy	140	570	710	0.06		
57	Lake Akagionuma	Center	Maebashi City	2015/6/16	Cloudy	18.7	Blackish brown	Faint earth	Loamy	69	300	369	0.09		
				2015/9/1	Rain	19.0	Blackish brown	None	Loamy	88	340	428	0.08		
				2015/10/15	Sunny	14.1	Blackish brown	Faint earth	Loamy	8.8	54	63	0.07		
				2015/11/16	Sunny	14.0	Blackish brown	Faint earth	Loamy	140	570	710	0.06		

Gunma Lakes and Reservoirs (Surrounding Environment) 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)					
								Color	Odor	Property	Radioactive cesium					
											Activity concentration [Bq/kg(dry)]	Total				
		Cs-134	Cs-137													
58	58	Agatsuma River Area	Lake Okushima (Shimagawa Dam)	Center	Nakanajo Town	2015/6/8	Cloudy	18.8	Blackish brown	Faint earth	Loamy	1,700	5,800	7,500	0.13	
						2015/8/25	Rain	16.3	Blackish brown	Faint earth	Loamy	390	1,700	2,090	0.17	
						2015/10/20	Sunny	18.9	Blackish brown	Faint earth	Loamy	830	3,500	4,330	0.15	
			2015/12/9	Sunny		4.7	Blackish brown	Faint earth	Loamy	540	2,200	2,740	0.15			
			2015/6/8	Cloudy		19.4	Blackish brown	Faint earth	Loamy	120	450	570	0.08			
			2015/8/25	Cloudy		16.5	Blackish brown	Faint earth	Loamy	96	450	546	0.08			
	59	59	Agatsuma River Area	Lake Shimako (Nakanajo Dam)	Center	Nakanajo Town	2015/10/2	Sunny	16.5	Blackish brown	Faint earth	Loamy	140	620	760	0.07
							2015/12/9	Sunny	8.5	Blackish brown	Faint earth	Loamy	85	440	525	0.07
							2015/6/9	Cloudy	19.3	Blackish brown	None	Loamy	33	110	143	0.07
				2015/8/28	Cloudy		20.8	Blackish brown	None	Loamy	50	220	270	0.06		
				2015/10/1	Rain		11.9	Dim yellowish brown	None	Loamy	93	370	463	0.06		
				2015/11/19	Sunny		10.0	Dark brown	None	Loamy	20	110	130	0.06		
60	60	Karasu River Area	Lake Tashiro (Kazawa Dam)	Center	Tsumagoi Village	2015/6/18	Rain	14.9	Black	Faint earth	Loamy	180	610	790	0.17	
						2015/8/26	Rain	15.9	Black	Faint earth	Loamy	210	870	1,080	0.16	
						2015/10/2	Sunny	18.2	Black	Faint earth	Loamy	81	320	401	0.16	
			2015/11/17	Cloudy		17.7	Blackish brown	Faint earth	Loamy	330	1,600	1,930	0.15			
			2015/6/8	Cloudy		15.5	Dim yellowish brown	None	Loamy	180	690	870	0.08			
			2015/8/18	Sunny		28.0	Dim yellowish brown	None	Loamy	260	1,200	1,460	0.07			
	61	61	Karasu River Area	Lake Kirizumi (Kirizumi Dam)	Center	Annaka City	2015/10/8	Sunny	15.4	Dim yellowish brown	None	Loamy	150	680	830	0.06
							2015/12/3	Cloudy	10.0	Dim yellowish brown	None	Loamy	180	960	1,140	0.06
							2015/6/8	Cloudy	17.6	Blackish brown	Faint earth	Loamy	48	260	308	0.07
				2015/8/18	Sunny		29.6	Dark brown	Faint earth	Loamy	78	370	448	0.07		
				2015/10/8	Sunny		16.8	Blackish brown	None	Loamy	110	500	610	0.06		
				2015/12/3	Cloudy		14.0	Blackish brown	None	Loamy	120	430	550	0.06		
62	62	Karasu River Area	Lake Utsuiko (Sakamoto Dam)	Center	Annaka City	2015/6/9	Cloudy	18.0	Brown	Faint earth	Loamy	150	540	690	0.06	
						2015/8/19	Sunny	30.0	Dim yellowish brown	None	Loamy	90	360	450	0.07	
						2015/10/8	Sunny	20.3	Dark brown	None	Loamy	37	160	197	0.06	
			2015/12/3	Sunny		14.2	Dim yellowish brown	None	Loamy	42	190	232	0.06			
			2015/6/9	Cloudy		22.0	Dim yellowish brown	Faint earth	Loamy	68	330	398	0.08			
			2015/8/19	Sunny		30.3	Dim yellowish brown	None	Loamy	120	520	640	0.08			
63	63	Karasu River Area	Lake Arafune (Dodairagawa Dam)	Center	Shimonita Town	2015/10/9	Sunny	17.0	Grayish yellowish brown	None	Loamy	100	500	600	0.06	
						2015/12/4	Sunny	10.4	Grayish yellowish brown	None	Loamy	170	720	890	0.06	

Gunma Lakes and Reservoirs (Surrounding Environment) 3/3

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				Air Dose (μSv/h)
								General items							
								Color	Odor	Property	Activity concentration [Bq/kg(dry)]				
											Radioactive cesium				
Cs-134	Cs-137	Total													
66	Karasu River Area	Lake Kanna (Shimokubo Dam)	Center	Fujioka City/Kamikawa Town	2015/6/10	Sunny	21.0	Blackish brown	Faint earth	Loamy	20	120	140	0.05	
					2015/8/19	Sunny	27.6	Blackish brown	Faint earth	Loamy	86	390	476	0.05	
					2015/10/9	Sunny	22.0	Dark brown	None	Loamy	130	580	710	0.05	
		2015/12/10	Sunny	8.0	Dim yellowish brown	None	Loamy	17	120	137	0.05				
		2015/6/10	Sunny	25.0	Dark brown	None	Loamy	33	99	132	0.07				
		2015/8/19	Sunny	27.7	Dark brown	Faint earth	Loamy	17	70	87	0.07				
	67	Karasu River Area	Lake Hebikami (Shiozawa Dam)	Center	Kanna Town	2015/10/9	Sunny	22.8	Brownish gray	None	Loamy	31	120	151	0.05
						2015/12/4	Sunny	9.8	Brownish gray	None	Loamy	17	84	101	0.05
						2015/6/11	Sunny	28.7	Dark brown	Faint earth	Loamy	100	360	460	0.09
			2015/8/25	Cloudy	19.2	Blackish brown	Faint earth	Loamy	120	400	520	0.09			
			2015/10/16	Cloudy	16.4	Dim yellowish brown	Faint earth	Loamy	150	630	780	0.10			
			2015/12/1	Sunny	14.0	Dark brown	Faint earth	Loamy	68	300	368	0.10			
68	Watarase River Area	Lake Kusaki (Kusaki Dam)	Center	Midori City	2015/6/11	Sunny	29.6	Brown	Faint earth	Loamy	65	290	355	0.06	
					2015/8/25	Cloudy	17.0	Brown	Faint earth	Loamy	54	200	254	0.06	
					2015/10/16	Cloudy	17.7	Dim yellowish brown	Faint earth	Loamy	120	420	540	0.05	
		2015/12/1	Sunny	14.5	Dim yellowish brown	Faint earth	Loamy	26	130	156	0.05				
		2015/6/9	Cloudy	18.1	Dim yellowish brown	None	Loamy	39	160	199	0.06				
		2015/8/28	Cloudy	19.2	Brown	None	Loamy	16	87	103	0.06				
69	Watarase River Area	Lake Umeda (Kiryugawa Dam)	Center	Kiryu City	2015/10/1	Sunny	15.1	Dim yellowish brown	None	Loamy	58	280	338	0.05	
					2015/11/19	Cloudy	8.9	Brown	None	Loamy	34	170	204	0.05	
					2015/6/10	Sunny	25.5	Dim yellowish brown	Faint earth	Loamy	28	120	148	0.04	
		2015/8/21	Cloudy	27.2	Dim yellowish brown	Faint earth	Loamy	74	290	364	0.05				
		2015/10/13	Sunny	27.7	Dim yellowish brown	Faint earth	Loamy	37	110	147	0.05				
		2015/12/17	Sunny	12.4	Dim yellowish brown	Faint earth	Loamy	31	170	201	0.04				
70	Nakatsu River Area	Lake Nozori (Nozori Dam)	Center	Nakanojo Town	2015/6/10	Sunny	28.6	Dim yellowish brown	Faint earth	Loamy	<9.5	14	14	0.04	
					2015/8/21	Cloudy	27.9	Dim yellowish brown	None	Loamy	<5.6	20	20	0.04	
					2015/10/13	Sunny	27.1	Dim yellowish brown	None	Sandy	<7.6	12	12	0.04	
		2015/6/10	Sunny	25.5	Dim yellowish brown	Faint earth	Loamy	28	120	148	0.04				
		2015/8/21	Cloudy	27.9	Dim yellowish brown	None	Loamy	<5.6	20	20	0.04				
		2015/10/13	Sunny	27.1	Dim yellowish brown	None	Sandy	<7.6	12	12	0.04				
71	Watarase River Area	Lake Jonuma	Center	Tatebayashi City	2015/12/17	Sunny	10.8	Dim yellowish brown	Faint earth	Loamy	<7.1	20	20	0.04	
					2015/6/10	Sunny	25.5	Dim yellowish brown	Faint earth	Loamy	28	120	148	0.04	
					2015/8/21	Cloudy	27.9	Dim yellowish brown	None	Loamy	<5.6	20	20	0.04	
		2015/10/13	Sunny	27.1	Dim yellowish brown	None	Sandy	<7.6	12	12	0.04				
		2015/6/10	Sunny	25.5	Dim yellowish brown	Faint earth	Loamy	28	120	148	0.04				
		2015/8/21	Cloudy	27.9	Dim yellowish brown	None	Loamy	<5.6	20	20	0.04				
72	Watarase River Area	Lake Tataranuma	Center	Tatebayashi City	2015/10/13	Sunny	27.1	Dim yellowish brown	None	Sandy	<7.6	12	12	0.04	
					2015/6/10	Sunny	25.5	Dim yellowish brown	Faint earth	Loamy	28	120	148	0.04	
					2015/8/21	Cloudy	27.9	Dim yellowish brown	None	Loamy	<5.6	20	20	0.04	
		2015/10/13	Sunny	27.1	Dim yellowish brown	None	Sandy	<7.6	12	12	0.04				
		2015/6/10	Sunny	25.5	Dim yellowish brown	Faint earth	Loamy	28	120	148	0.04				
		2015/8/21	Cloudy	27.9	Dim yellowish brown	None	Loamy	<5.6	20	20	0.04				

