

FY2014 Tochigi 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 - 190 Bq/kg (dry)

Cs-137: 1.1 - 630 Bq/kg (dry)

Lakes and reservoirs

Cs-134: 24 - 2,200 Bq/kg (dry)

Cs-137: 100 - 6,500 Bq/kg (dry)

(3) Surrounding Environment

(a) Soil

Rivers

Cs-134: ND - 5,900 Bq/kg (dry)

Cs-137: ND - 18,000 Bq/kg (dry)

Lakes and reservoirs

Cs-134: ND - 570 Bq/kg (dry)

Cs-137: 17 - 1,700 Bq/kg (dry)

(b) Ambient dose rate

Rivers

0.04 - 0.57 μ Sv/h

Lakes and reservoirs

0.07 - 0.33 μ Sv/h

Tochigi River (Water) 1/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water							Remarks		
	Water area		Location					General items				Activity concentration(Bq/L)					
	Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Bicellar conductance (mS/m)	SS (mg/L)	Turbidity (FTNU)	Cs-134	Cs-137							
Riv ers	Nakagawa River System	Nasushiobara City	Ikuyobashishita	2014/6/2	Sunny	28.8	0.5	18.6	0.0	Light grayish yellow	None	>100	16.6	<1	<0.1	-0.61 ± 0.11	-0.66 ± 0.12
				2014/8/6	Sunny	25.0	0.2	17.3	0.0	Light grayish yellow green	None	>100	14.5	<1	0.1	-0.45 ± 0.10	-0.49 ± 0.10
				2014/11/4	Cloudy	6.0	0.1	10.7	0.0	Light grayish yellow green	None	>100	9.3	<1	0.2	-0.59 ± 0.13	-0.47 ± 0.096
				2015/2/2	Light snow	-2.8	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
		Nasushiobara City	Komei Bridge	2014/5/22	Sunny	20.5	0.3	14.0	0.0	Grayish yellowish green	None	>100	10.6	<1	0.3	-0.36 ± 0.070	-0.66 ± 0.15
				2014/8/6	Sunny	30.3	0.3	22.3	0.0	Light grayish yellow green	None	>100	12.0	2	0.2	-0.58 ± 0.11	-0.69 ± 0.15
				2014/11/4	Sunny	10.0	0.2	11.9	0.0	Light grayish yellow	None	>100	7.4	<1	0.5	-0.70 ± 0.15	-0.55 ± 0.11
		Nasu Town	Takaomata Bridge	2014/5/22	Cloudy	-2.0	0.2	3.0	0.0	Light grayish yellow	None	>100	14.9	<1	0.4	-0.64 ± 0.13	-0.50 ± 0.12
				2014/8/6	Sunny	22.0	0.2	13.5	0.0	Gravish yellowish green	None	>100	16.1	3	0.6	-0.47 ± 0.077	-0.71 ± 0.12
				2014/11/4	Sunny	9.0	0.2	11.7	0.0	Light grayish reddish yellow	None	>100	17.8	2	0.1	-0.60 ± 0.13	-0.71 ± 0.13
				2015/2/2	Sunny	-0.8	0.3	5.1	0.0	Grayish yellow	None	>100	16.8	2	0.4	-0.74 ± 0.15	-0.74 ± 0.17
Yukawa River	Yukawa Bridge	Nasu Town	Takaomata Bridge	2014/5/22	Sunny	18.5	0.3	14.6	0.0	Grayish yellowish green	None	>100	28.2	10	1.4	-0.66 ± 0.11	-0.71 ± 0.16
				2014/8/6	Sunny	25.9	0.1	21.4	0.0	Grayish greenish yellow	None	>100	27.8	3	0.8	-0.50 ± 0.098	-0.55 ± 0.12
				2014/11/4	Sunny	9.6	0.2	12.8	0.0	Light grayish greenish yellow	None	>100	12.7	2	1.4	-0.56 ± 0.11	-0.51 ± 0.12
				2015/2/2	Sunny	-1.2	0.3	5.6	0.0	Grayish greenish yellow	None	>100	30.5	2	1.4	-0.47 ± 0.073	-0.66 ± 0.11
		Nasushiobara City/Nasu Town	Kamikuroiso	2014/5/22	Sunny	24.5	0.5	17.3	0.0	Yellow greenish pale gray	None	>100	15.7	3	0.5	-0.56 ± 0.12	-0.51 ± 0.13
				2014/6/13	Sunny	25.8	0.4	17.5	0.0	Grayish green	None	88	8.8	7	0.8	-0.54 ± 0.11	-0.55 ± 0.12
				2014/7/8	Sunny	26.9	0.3	19.8	0.0	Light grayish yellow green	None	>100	11.8	1	0.2	-0.48 ± 0.089	-0.63 ± 0.19
				2014/8/6	Cloudy	29.6	0.2	24.7	0.0	Light grayish bluish green	None	>100	17.8	1	0.2	-0.58 ± 0.12	-0.58 ± 0.11
				2014/9/8	Cloudy	22.0	0.1	18.2	0.0	Light grayish greenish yellow	None	>100	12.2	2	0.4	-0.50 ± 0.11	-0.52 ± 0.12
				2014/11/6	Sunny	19.2	0.3	15.0	0.0	Grayish reddish yellow	None	>100	7.4	<1	0.4	-0.54 ± 0.11	-0.59 ± 0.15
Yosasa River	Yosasa Bridge	Nasu Town	Yosasa Bridge	2014/5/31	Sunny	23.9	0.3	24.3	0.0	Grayish yellow green	None	>100	16.4	2	0.4	-0.61 ± 0.13	-0.66 ± 0.16
				2014/8/20	Sunny	28.4	0.4	23.2	0.0	Grayish reddish yellow	None	>100	8.2	<1	0.3	-0.62 ± 0.13	-0.41 ± 0.051
				2014/11/6	Sunny	17.8	0.3	13.1	0.0	Light grayish yellow	None	>100	15.4	<1	0.4	-0.48 ± 0.068	-0.47 ± 0.096
				2015/2/3	Sunny	1.0	0.4	3.7	0.0	Light grayish greenish yellow	None	>100	16.3	3	3.9	-0.67 ± 0.14	-0.56 ± 0.14
		Kurokawa River	Shinden Bridge	2014/5/31	Sunny	25.5	0.4	25.3	0.0	Dark grayish reddish yellow	None	>100	11.0	6	1.0	-0.58 ± 0.13	-0.56 ± 0.11
				2014/8/20	Sunny	28.8	0.5	24.6	0.0	Grayish yellow green	None	>100	6.4	7	0.7	-0.50 ± 0.12	-0.55 ± 0.11
				2014/11/6	Sunny	23.1	0.4	17.1	0.0	Grayish reddish yellow	None	>100	4.6	<1	0.6	-0.51 ± 0.11	-0.55 ± 0.10
				2015/2/3	Sunny	3.8	0.4	4.8	0.0	Grayish yellow	None	>100	6.0	<1	0.6	-0.64 ± 0.14	-0.50 ± 0.094
Yosasa River	Kawada Bridge	Otawara City	Kawada Bridge	2014/5/22	Cloudy	23.0	0.3	14.7	0.0	Dark grayish yellow green	None	85	12.7	5	1.5	-0.60 ± 0.12	-0.55 ± 0.11
				2014/6/13	Sunny	21.8	0.3	19.7	0.0	Light grayish yellow green	None	78	17.0	11	0.3	-0.64 ± 0.13	-0.51 ± 0.17
				2014/7/8	Sunny	27.4	0.4	22.0	0.0	Light grayish greenish yellow	None	>100	10.1	4	0.4	-0.68 ± 0.16	-0.63 ± 0.12
				2014/8/20	Cloudy	28.0	0.3	26.5	0.0	Grayish yellow green	None	>100	6.3	3	0.6	-0.60 ± 0.14	-0.49 ± 0.10
				2014/9/11	Cloudy	23.3	0.4	20.2	0.0	Dark grayish yellow	None	>100	8.5	3	1.1	-0.56 ± 0.12	-0.49 ± 0.12
Nakagawa River	Kurobane	Otawara City	Kurobane	2014/11/6	Sunny	21.2	0.1	15.8	0.0	Dark grayish yellow	None	>100	7.1	<1	0.7	-0.62 ± 0.13	-0.62 ± 0.12
				2015/2/3	Sunny	4.0	0.3	5.7	0.0	Light grayish yellow	None	>100	9.0	<1	0.6	-0.55 ± 0.10	-0.66 ± 0.16
				2014/5/31	Sunny	28.2	0.3	23.8	0.0	Dark grayish reddish yellow	None	>100	15.5	3	0.2	-0.62 ± 0.13	-0.58 ± 0.13
				2014/6/23	Sunny	27.2	0.3	23.6	0.0	Light grayish yellow green	None	>100	12.0	3	0.7	-0.54 ± 0.11	-0.58 ± 0.11
				2014/7/15	Sunny	30.5	0.3	24.4	0.0	Grayish yellow green	None	90	12.7	17	1.2	-0.58 ± 0.13	-0.55 ± 0.11
				2014/8/20	Sunny	31.8	0.2	26.0	0.0	Light grayish yellow green	None	>100	6.7	5	0.4	-0.56 ± 0.13	-0.45 ± 0.13
				2014/9/11	Cloudy	21.1	0.2	18.6	0.0	Dark grayish yellow green	None	>100	12.2	2	1.0	-0.45 ± 0.11	-0.58 ± 0.14
				2014/11/7	Sunny	13.9	0.1	14.1	0.0	Light grayish yellow	None	>100	14.0	<1	0.3	-0.66 ± 0.14	-0.52 ± 0.12
				2015/2/5	Cloudy	4.2	0.2	4.6	0.0	Light grayish yellow	None	>100	9.7	<1	0.5	-0.58 ± 0.14	-0.52 ± 0.11

Tochigi River (Water) 2/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water							Remarks		
	Water area		Location					General items					Activity concentration(Bq/L)				
	Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Bicellar conductance (mS/m)	SS (mg/L)	Turbidity (FNU)	Cs-134	Radiactive cesium Cs-137							
R i v e r s	Nakagawa River System	Matsuba River Tributary	Otawara City	2014/5/31	Sunny	27.6	0.5	22.6	0.0	Dark grayish yellow red	None	>100	11.8	2	0.4	<0.64 ± 0.13	<0.66 ± 0.13
				2014/6/23	Sunny	28.1	0.4	22.4	0.0	Dark grayish greenish yellow	None	>100	8.1	7	1.2	<0.65 ± 0.14	<0.58 ± 0.12
				2014/7/15	Sunny	31.0	0.3	23.5	0.0	Light grayish reddish yellow	None	80	8.3	6	0.5	<0.56 ± 0.13	<0.65 ± 0.15
				2014/8/20	Sunny	32.2	0.3	24.7	0.0	Dark grayish yellow green	None	>100	4.9	3	0.6	<0.56 ± 0.11	<0.63 ± 0.15
				2014/9/11	Cloudy	21.3	0.5	18.5	0.0	Grayish reddish yellow	None	91	7.4	10	1.9	<0.71 ± 0.15	<0.51 ± 0.083
		Sabigawa River Udagawa Bridge		2014/11/7	Cloudy	13.5	0.2	13.1	0.0	Grayish yellow	None	>100	5.4	<1	0.2	<0.59 ± 0.13	<0.58 ± 0.11
				2015/2/5	Cloudy	5.0	0.4	3.9	0.0	Grayish yellow	None	>100	6.2	2	3.0	<0.56 ± 0.12	<0.60 ± 0.13
				2014/6/2	Sunny	27.7	0.2	20.7	0.0	Greenish yellowish light gray	None	>100	13.3	3	0.3	<0.61 ± 0.11	<0.56 ± 0.11
				2014/8/28	Cloudy	21.0	0.4	18.2	0.0	Light grayish reddish yellow	None	>100	5.9	2	0.2	<0.64 ± 0.13	<0.62 ± 0.16
				2014/11/7	Sunny	13.8	0.2	15.4	0.0	Light grayish reddish yellow	None	>100	8.2	1	0.2	<0.64 ± 0.14	<0.55 ± 0.074
10		Monura River Momuranaka Bridge		2015/2/14	Sunny	3.5	0.1	8.4	0.0	Light grayish yellow	None	>100	13.4	2	0.5	<0.61 ± 0.12	<0.66 ± 0.11
				2014/6/4	Cloudy	24.1	1.8	16.8	0.0	Dark grayish yellow green	None	>100	18.2	6	0.5	<0.70 ± 0.16	<0.72 ± 0.14
				2014/9/2	Sunny	25.0	0.3	20.3	0.0	Light grayish greenish yellow	None	>100	8.4	2	0.3	<0.50 ± 0.11	<0.75 ± 0.14
				2014/11/10	Sunny	12.2	0.3	15.4	0.0	Light grayish yellow green	None	>100	6.6	2	0.2	<0.69 ± 0.15	<0.55 ± 0.10
				2015/2/6	Cloudy	6.0	0.5	12.8	0.0	Light grayish yellow green	None	>100	7.9	<1	0.2	<0.51 ± 0.11	<0.52 ± 0.12
		Yunohara	Nasushiobara City	2014/6/2	Sunny	30.1	0.4	21.0	0.0	Gravish greenish yellow	None	>100	24.6	4	0.4	<0.56 ± 0.13	<0.63 ± 0.15
				2014/8/28	Cloudy	19.8	0.4	18.1	0.0	Light grayish yellow green	None	>100	9.2	1	0.3	<0.55 ± 0.10	<0.81 ± 0.17
				2014/11/10	Sunny	13.0	0.3	14.0	0.0	Light grayish yellow	None	>100	11.9	1	0.4	<0.62 ± 0.11	<0.52 ± 0.11
				2015/2/6	Cloudy	3.2	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2014/6/2	Sunny	29.9	0.2	19.7	0.0	Grayish yellow green	None	>100	21.4	2	0.4	<0.65 ± 0.14	<0.43 ± 0.11
11		Hokigawa River	Sekiba Bridge	2014/8/28	Cloudy	24.0	0.5	17.8	0.0	Light grayish greenish yellow	None	>100	7.0	3	0.5	<0.61 ± 0.11	<0.66 ± 0.13
				2014/11/10	Sunny	16.8	0.4	13.2	0.0	Light grayish reddish yellow	None	>100	18.7	1	0.4	<0.56 ± 0.14	<0.62 ± 0.15
				2015/2/6	Sunny	6.2	0.4	6.8	0.0	Light grayish yellow	None	>100	11.1	1	0.5	<0.60 ± 0.14	<0.63 ± 0.12
				2014/6/4	Sunny	24.6	0.4	22.1	0.0	Dark grayish yellow	Faint drain	>100	20.5	2	0.3	<0.68 ± 0.15	<0.76 ± 0.14
				2014/9/2	Sunny	23.0	0.3	22.1	0.0	Light grayish green	None	>100	14.5	1	0.5	<0.58 ± 0.10	<0.52 ± 0.10
		Iwai Bridge	Otawara City	2014/11/10	Sunny	13.3	0.2	15.1	0.0	Gravish yellow green	None	>100	9.7	4	0.4	<0.61 ± 0.14	<0.73 ± 0.12
				2015/2/6	Sunny	6.8	0.2	7.6	0.0	Light grayish greenish yellow	None	>100	10.7	<1	0.5	<0.54 ± 0.11	<0.52 ± 0.10
				2014/5/19	Sunny	22.7	0.4	20.5	0.0	Grayish yellow green	None	>100	16.5	3	0.4	<0.57 ± 0.14	<0.47 ± 0.10
				2014/6/17	Cloudy	26.2	0.3	23.2	0.0	Light grayish yellowish green	None	>100	14.3	4	0.8	<0.59 ± 0.12	<0.51 ± 0.13
				2014/7/17	Cloudy	26.6	0.3	20.4	0.0	Light grayish yellow green	None	>100	15.2	4	0.4	<0.64 ± 0.13	<0.58 ± 0.12
12		Hokigawa Bridge		2014/8/8	Sunny	31.5	0.4	23.2	0.0	Light grayish yellow green	None	>100	16.7	4	0.1	<0.64 ± 0.12	<0.52 ± 0.14
				2014/9/8	Cloudy	24.3	0.4	20.7	0.0	Light grayish yellow	None	>100	14.7	2	0.3	<0.52 ± 0.10	<0.68 ± 0.13
				2014/11/7	Sunny	12.2	0.4	15.8	0.0	Light grayish yellow green	None	>100	8.8	6	0.3	<0.48 ± 0.10	<0.62 ± 0.12
				2015/2/14	Sunny	5.0	0.2	8.9	0.0	Grayish yellow	None	>100	17.1	<1	0.5	<0.61 ± 0.13	<0.66 ± 0.15
				2014/5/19	Sunny	21.5	0.4	21.9	0.0	Light yellowish green	None	>100	15.7	2	0.8	<0.66 ± 0.11	<0.62 ± 0.12
		Nakagawa River	Shinnaka Bridge	2014/6/16	Sunny	27.8	0.3	23.6	0.0	Light grayish bluish green	None	>100	13.4	3	1.0	<0.49 ± 0.13	<0.62 ± 0.15
				2014/7/8	Sunny	27.1	0.4	21.9	0.0	Light grayish yellow green	None	>100	15.1	2	0.4	<0.59 ± 0.13	<0.72 ± 0.16
				2014/8/2	Sunny	29.9	0.3	26.1	0.0	Gravish reddish yellow	None	>100	17.0	6	0.2	<0.68 ± 0.15	<0.51 ± 0.14
				2014/9/8	Cloudy	23.1	0.5	20.4	0.0	Light grayish yellow green	None	>100	14.7	2	0.5	<0.56 ± 0.10	<0.80 ± 0.16
				2014/11/11	Sunny	16.3	0.1	15.1	0.0	Gravish reddish yellow	None	>100	7.2	<1	0.3	<0.51 ± 0.12	<0.42 ± 0.096
13		Nakagawa Town		2015/2/16	Sunny	2.5	0.2	5.3	0.0	Grayish yellow	None	>100	16.9	1	0.5	<0.65 ± 0.14	<0.51 ± 0.096
				2014/5/19	Sunny	24.5	0.8	20.8	0.0	Dark grayish yellow green	None	>100	11.5	1	0.3	<0.50 ± 0.10	<0.67 ± 0.12
				2014/6/10	Sunny	22.0	0.6	18.9	0.0	Light grayish yellow green	None	96	9.4	4	1.7	<0.54 ± 0.13	<0.55 ± 0.10
				2014/7/2	Sunny	25.6	0.4	20.1	0.0	Light grayish greenish yellow	None	>100	8.6	6	1.6	<0.50 ± 0.098	<0.52 ± 0.11
		Minogawa River	Kosei Bridge	2014/8/2	Sunny	33.4	0.6	23.5	0.0	Light grayish yellow green	None	>100	10.7	11	0.2	<0.64 ± 0.13	<0.52 ± 0.13
				2014/9/8	Cloudy	22.8	0.4	19.2	0.0	Gravish greenish yellow	None	>100	8.5	4	1.6	<0.62 ± 0.15	<0.68 ± 0.13
				2014/11/11	Cloudy	11.0	0.3	11.8	0.0	Light grayish greenish yellow	None	>100	5.3	<1	0.2	<0.63 ± 0.14	<0.76 ± 0.16
				2015/2/16	Sunny	6.7	0.2	3.5	0.0	Light grayish greenish yellow	None	>100	11.9	<1	0.4	<0.56 ± 0.13	<0.47 ± 0.12

Tochigi River (Water) 3/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water								Remarks		
	Water area		Location					General items				Activity concentration(Bq/L)						
	Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Bicellar conductance (mS/m)	SS (mg/L)	Turbidity (FTNU)	Cs-134	Radiactive cesium Cs-137								
Rivers	Nakagawa River System	Arakawa River	Saikachi Bridge Shioya Town	2014/5/17	Sunny	22.5	0.3	15.4	0.0	Light grayish yellowish green	None	>100	6.2	4	1.2	<0.47 ± 0.077	<0.78 ± 0.16	
				2014/8/18	Cloudy	28.2	0.5	22.8	0.0	Light grayish greenish yellow	None	>100	4.1	2	0.3	<0.67 ± 0.17	<0.58 ± 0.11	
				2014/11/12	Cloudy	11.8	0.3	12.2	0.0	Light grayish reddish yellow	None	>100	3.6	<1	0.6	<0.51 ± 0.12	<0.71 ± 0.16	
				2015/2/7	Sunny	1.8	0.3	3.9	0.0	Grayish yellow	None	>100	3.9	5	1.5	<0.60 ± 0.12	<0.49 ± 0.097	
		Uchikawa River	Renjo Bridge Sakura City	2014/5/17	Sunny	24.0	0.4	20.1	0.0	Grayish blue	None	>100	12.4	4	1.0	<0.68 ± 0.16	<0.59 ± 0.10	
				2014/8/18	Sunny	30.0	0.2	26.1	0.0	Light grayish yellow	None	>100	4.7	3	0.2	<0.57 ± 0.10	<0.55 ± 0.15	
				2014/11/12	Cloudy	13.0	0.3	14.9	0.0	Light grayish yellow green	None	>100	6.6	1	0.2	<0.64 ± 0.12	<0.42 ± 0.15	
			Asahi Bridge Sakura City	2014/8/18	Sunny	8.3	0.4	10.2	0.0	Light grayish yellow	None	>100	7.9	2	0.5	<0.62 ± 0.12	<0.60 ± 0.11	
				2014/5/17	Sunny	24.2	0.3	18.9	0.0	Dark grayish yellow red	None	>100	14.2	7	7.1	<0.67 ± 0.13	<0.58 ± 0.12	
				2014/11/12	Cloudy	17.5	0.2	13.1	0.0	Light grayish yellow	None	>100	6.4	<1	0.3	<0.51 ± 0.11	<0.67 ± 0.11	
Rivers	Tonegawa River System	Arakawa River	Mukada Bridge Nasu Karasuyama City	2014/5/17	Sunny	24.5	0.5	20.5	0.0	Grayish greenish blue	None	>100	19.3	8	0.8	<0.66 ± 0.13	<0.71 ± 0.14	
				2014/8/18	Cloudy	30.5	0.4	25.3	0.0	Grayish yellow	None	>100	8.7	7.0	2	0.3	<0.46 ± 0.11	<0.46 ± 0.11
				2014/11/12	Cloudy	13.0	0.3	14.3	0.0	Light grayish reddish yellow	None	>100	8.9	<1	0.3	<0.66 ± 0.12	<0.56 ± 0.11	
				2015/2/7	Sunny	8.0	0.3	9.9	0.0	Light grayish yellow	None	>100	9.5	1	0.6	<0.67 ± 0.15	<0.60 ± 0.11	
				2014/5/19	Sunny	19.8	0.5	19.9	0.0	Dark grayish yellow green	None	>100	17.2	2	0.5	<0.63 ± 0.14	<0.51 ± 0.096	
				2014/6/16	Cloudy	26.5	0.5	23.9	0.0	Light grayish yellow green	None	>100	12.2	5	1.1	<0.59 ± 0.12	<0.73 ± 0.16	
				2014/7/8	Sunny	27.7	0.3	25.0	0.0	Grayish yellow green	None	>100	12.1	3	0.6	<0.56 ± 0.11	<0.68 ± 0.14	
				2014/8/2	Sunny	34.1	0.6	26.5	0.0	Light grayish yellow green	None	>100	7.5	12.4	5	0.4	<0.48 ± 0.10	<0.65 ± 0.12
				2014/9/9	Sunny	27.0	0.3	23.0	0.0	Light grayish yellow green	None	>100	12.3	2	0.9	<0.52 ± 0.13	<0.72 ± 0.15	
				2014/11/11	Cloudy	15.0	0.1	14.4	0.0	Light grayish yellow	None	>100	7.0	<1	0.2	<0.74 ± 0.16	<0.62 ± 0.13	
Rivers	Egawa River	Tributary	Nasu Karasuyama City	2015/2/16	Sunny	7.5	0.2	6.4	0.0	Light grayish yellow	None	>100	18.4	<1	0.4	<0.56 ± 0.12	<0.51 ± 0.14	
				2014/5/19	Sunny	21.0	0.6	21.0	0.0	Grayish reddish yellow	None	>100	8.0	17.3	5	1.0	<0.64 ± 0.12	<0.52 ± 0.12
				2014/6/16	Cloudy	25.1	0.6	24.9	0.0	Grayish yellow	None	>100	72	13.0	16	1.9	<0.61 ± 0.11	<0.65 ± 0.17
				2014/7/8	Sunny	27.4	0.6	26.1	0.0	Grayish greenish yellow	None	>100	76	13.5	9	0.8	<0.62 ± 0.09	<0.58 ± 0.083
				2014/8/2	Sunny	33.5	0.6	28.2	0.0	Grayish yellow green	None	>100	65	15.8	4	0.2	<0.54 ± 0.12	<0.55 ± 0.14
				2014/9/9	Cloudy	27.2	0.4	25.8	0.0	Light grayish greenish yellow	None	>100	15.1	4	1.8	<0.61 ± 0.14	<0.68 ± 0.16	
				2014/11/11	Cloudy	13.7	0.3	13.6	0.0	Light grayish greenish yellow	None	>100	8.2	2	0.6	<0.61 ± 0.13	<0.66 ± 0.12	
				2015/2/16	Sunny	11.0	0.3	5.5	0.0	Grayish yellow	None	>100	55	16.6	13	4.8	<0.65 ± 0.14	<0.47 ± 0.11
				2014/5/28	Cloudy	20.9	0.4	16.4	0.0	Grayish blue green	None	>100	6.8	1	0.7	<0.51 ± 0.11	<0.71 ± 0.15	
				2014/8/19	Cloudy	30.3	0.3	24.3	0.0	Grayish yellow green	None	>100	86	4.5	2	0.9	<0.50 ± 0.11	<0.65 ± 0.12
Rivers	Kinugawa River System	Kinugawa River	Kawaji Daiichi Power Station, front	2014/11/13	Cloudy	9.8	0.3	12.5	0.0	Grayish yellow green	None	>100	4.2	3	1.5	<0.72 ± 0.13	<0.71 ± 0.13	
				2015/2/9	Sunny	1.2	0.3	5.2	0.0	Grayish yellow	None	>100	51	1	1.2	<0.48 ± 0.12	<0.52 ± 0.13	
				2014/5/30	Sunny	23.3	0.3	15.9	0.0	Colorless transparent	None	>100	7.3	1	0.2	<0.56 ± 0.12	<0.43 ± 0.068	
				2014/8/19	Sunny	27.0	0.1	19.3	0.0	Light grayish green	None	>100	4.6	1	<0.1	<0.59 ± 0.12	<0.68 ± 0.11	
				2014/11/13	Cloudy	5.8	0.2	9.1	0.0	Light grayish green	None	>100	5.0	<1	0.1	<0.67 ± 0.12	<0.71 ± 0.14	
				2015/2/9	Light snow	-4.0	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2014/5/28	Cloudy	20.6	0.4	17.0	0.0	Grayish green	None	>100	8.7	1	0.4	<0.64 ± 0.09	<0.56 ± 0.13	
				2014/8/19	Sunny	31.2	0.4	21.6	0.0	Light grayish yellow	None	>100	4.9	1	0.2	<0.62 ± 0.12	<0.68 ± 0.14	
				2014/11/13	Sunny	9.3	0.4	11.9	0.0	Light grayish greenish yellow	None	>100	5.0	<1	0.3	<0.84 ± 0.17	<0.71 ± 0.12	
				2015/2/9	Cloudy	-0.5	0.3	4.9	0.0	Grayish yellow	None	>100	5.5	<1	0.3	<0.52 ± 0.12	<0.52 ± 0.10	
Rivers	Tonegawa River System	Ojika River	Tributary	2014/5/23	Sunny	20.4	0.2	13.6	0.0	Grayish green	None	>100	6.8	<1	0.8	<0.58 ± 0.12	<0.66 ± 0.19	
				2014/8/21	Cloudy	27.7	0.2	20.6	0.0	Light grayish yellow green	None	>100	4.8	2	0.5	<0.59 ± 0.11	<0.76 ± 0.14	
				2014/11/13	Sunny	8.0	0.2	11.3	0.0	Light grayish yellow green	None	>100	4.8	1	0.8	<0.67 ± 0.14	<0.74 ± 0.15	
				2015/2/10	Sunny	4.2	0.3	5.8	0.0	Grayish greenish yellow	None	>100	10.0	<1	0.4	<0.51 ± 0.12	<0.51 ± 0.11	
		Kinugawa River	Kosagoe	2014/5/28	Cloudy	20.6	0.4	17.0	0.0	Grayish green	None	>100	8.7	1	0.4	<0.64 ± 0.09	<0.56 ± 0.13	
				2014/8/19	Sunny	31.2	0.4	21.6	0.0	Light grayish yellow	None	>100	4.9	1	0.2	<0.62 ± 0.12	<0.68 ± 0.14	
				2014/11/13	Sunny	9.3	0.4	11.9	0.0	Light grayish greenish yellow	None	>100	5.0	<1	0.3	<0.84 ± 0.17	<0.71 ± 0.12	
				2015/2/9	Cloudy	-0.5	0.3	4.9	0.0	Grayish yellow	None	>100	5.5	<1	0.3	<0.52 ± 0.12	<0.52 ± 0.10	

Tochigi River (Water) 4/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water							Remarks			
								General items				Biocidal inhibition (mS/m)	SS (mg/L)	Turbidity (FTNU)	Activity concentration(Bq/L)			
								Water temperature (°C)	Sampling depth (m)	Color	Odor				Cs-134	Cs-137		
29	Kinugawa River System	Itama River	Tributary	2014/5/23	Sunny	19.3	0.2	17.1	0.0	Grayish blue green	None	>100	6.9	5	0.2	<0.58 ± 0.12	<0.62 ± 0.11	
				2014/6/16	Sunny	26.2	0.4	16.6	0.0	Light grayish yellow green	None	>100	6.1	<1	0.2	<0.51 ± 0.11	<0.71 ± 0.14	
				2014/7/8	Sunny	25.1	0.4	17.1	0.0	Light grayish yellow green	None	>100	5.9	<1	0.2	<0.48 ± 0.098	<0.63 ± 0.14	
				2014/8/4	Sunny	23.5	0.3	19.1	0.0	Dark grayish reddish yellow	None	>100	7.3	<1	0.1	<0.47 ± 0.099	<0.47 ± 0.088	
				2014/9/9	Sunny	25.2	0.3	18.2	0.0	Light grayish yellowish green	None	>100	6.0	<1	0.8	<0.56 ± 0.10	<0.58 ± 0.12	
		Yukawa River	Tributary	2014/11/17	Cloudy	7.0	0.3	7.9	0.0	Light grayish yellow	None	>100	4.4	<1	0.1	<0.62 ± 0.11	<0.63 ± 0.15	
				2015/2/10	Sunny	2.0	0.3	3.3	0.0	Light grayish greenish yellow	None	>100	4.8	<1	0.2	<0.59 ± 0.14	<0.62 ± 0.15	
				2014/5/30	Sunny	21.0	0.2	15.4	0.0	Grayish greenish yellow	None	>100	18.1	4	0.5	<0.59 ± 0.12	<0.43 ± 0.096	
				2014/8/7	Sunny	24.8	0.4	16.8	0.0	Dark grayish yellow	None	>100	18.1	1	0.3	<0.59 ± 0.12	<0.62 ± 0.14	
				2014/11/14	Sunny	2.8	0.4	6.6	0.0	Light grayish greenish yellow	None	>100	8.6	<1	0.3	<0.47 ± 0.087	<0.60 ± 0.13	
Rivers	Nikko City	Daiya River	Shinkyo Bridge	2015/2/13	Sunny	-5.6	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2014/5/27	Sunny	22.3	0.3	10.8	0.0	Grayish bluish green	None	>100	11.0	<1	0.1	<0.61 ± 0.13	<0.56 ± 0.082	
				2014/8/21	Cloudy	24.0	0.2	15.3	0.0	Grayish yellow green	None	>100	6.9	1	0.2	<0.62 ± 0.11	<0.63 ± 0.15	
				2014/11/14	Sunny	7.8	0.2	8.3	0.0	Light grayish yellow green	None	>100	6.6	<1	0.1	<0.43 ± 0.11	<0.58 ± 0.098	
				2015/2/12	Cloudy	4.2	0.5	7.6	0.0	Light grayish greenish yellow	None	>100	11.4	1	0.8	<0.54 ± 0.13	<0.65 ± 0.15	
		Shidobuchi River	Sujichigai Bridge	2014/6/5	Light rain	18.7	0.1	10.7	0.0	Light grayish red	None	>100	11.2	2	0.4	<0.68 ± 0.13	<0.72 ± 0.14	
				2014/8/21	Cloudy	27.0	0.1	19.8	0.0	Light grayish greenish yellow	None	>100	5.4	5	0.4	<0.56 ± 0.13	<0.43 ± 0.12	
				2014/11/14	Sunny	7.2	0.1	10.4	0.0	Light grayish greenish yellow	None	>100	5.8	<1	0.5	<0.61 ± 0.12	<0.60 ± 0.12	
				2015/2/12	Cloudy	4.6	0.3	6.0	0.0	Grayish reddish yellow	None	>100	11.0	1	0.9	<0.44 ± 0.10	<0.51 ± 0.11	
				2014/6/4	Sunny	27.0	0.3	20.5	0.0	Yellowish light gray	None	>100	12.6	2	0.1	<0.62 ± 0.13	<0.58 ± 0.12	
33	Tonegawa River System	Daiya River	Kaishin Bridge (Harigai)	2014/6/26	Sunny	26.5	0.3	19.4	0.0	Grayish yellow	None	65	10.8	21	4.9	<0.47 ± 0.10	<0.55 ± 0.13	
				2014/7/23	Cloudy	30.1	0.5	20.3	0.0	Light grayish yellow green	None	74	10.5	7	1.2	<0.67 ± 0.15	<0.52 ± 0.12	
				2014/8/19	Sunny	31.5	0.3	21.8	0.0	Light grayish yellowish green	None	>100	5.6	5	0.3	<0.59 ± 0.13	<0.68 ± 0.17	
				2014/9/10	Sunny	23.3	0.1	18.4	0.0	Dark grayish bluish green	None	>100	10.5	2	0.9	<0.52 ± 0.12	<0.68 ± 0.16	
				2014/11/17	Cloudy	9.2	0.3	8.8	0.0	Light grayish yellow green	None	>100	7.3	2	2.7	<0.45 ± 0.10	<0.52 ± 0.10	
		Kinugawa River	Samuki	2015/2/10	Cloudy	8.2	0.2	9.4	0.0	Light grayish yellow green	None	>100	6.7	2	0.6	<0.51 ± 0.13	<0.59 ± 0.13	
				2014/6/4	Sunny	27.0	0.2	18.4	0.0	Greenish yellowish light gray	None	>100	8.9	2	0.4	<0.56 ± 0.074	<0.72 ± 0.14	
				2014/6/26	Sunny	20.0	0.4	17.3	0.0	Grayish yellow green	None	>100	8.9	5	1.1	<0.56 ± 0.12	<0.67 ± 0.14	
				2014/7/23	Cloudy	26.3	0.8	20.2	0.0	Grayish yellow green	None	>100	8.6	3	0.5	<0.58 ± 0.11	<0.52 ± 0.086	
				2014/8/19	Sunny	33.5	0.4	25.1	0.0	Grayish yellow green	None	>100	10.2	4	0.4	<0.62 ± 0.13	<0.80 ± 0.14	
34	Shioya Town	Nishi-Kinugawa Bridge	Nishi-Kinugawa Bridge	2014/9/10	Cloudy	23.5	0.4	18.1	0.0	Grayish bluish green	None	>100	9.1	2	0.8	<0.73 ± 0.15	<0.76 ± 0.19	
				2014/11/17	Cloudy	10.2	0.1	10.5	0.0	Light grayish yellow	None	>100	6.2	<1	0.4	<0.44 ± 0.10	<0.55 ± 0.12	
				2015/2/10	Sunny	5.0	0.2	7.8	0.0	Grayish yellow	None	>100	11.8	1	0.6	<0.59 ± 0.13	<0.65 ± 0.13	
		Kinugawa River	Kinugawa Bridge (Hoshakaji Temple)	2014/6/4	Sunny	23.8	0.1	15.8	0.0	Yellowish light gray	None	>100	10.9	19	8.1	<0.52 ± 0.10	<0.83 ± 0.19	
				2014/8/22	Cloudy	31.3	0.5	21.5	0.0	Grayish yellow green	None	75	5.2	6	0.5	<0.56 ± 0.12	<0.68 ± 0.14	
				2014/11/18	Sunny	11.8	0.4	10.7	0.0	Light grayish yellow green	None	>100	5.7	<1	0.6	<0.68 ± 0.14	<0.59 ± 0.12	
35	Utsunomiya City	Kinugawa River	Daidoizumi Bridge	2015/2/17	Cloudy	5.5	0.3	6.0	0.0	Grayish yellow green	None	>100	12.1	2	1.0	<0.71 ± 0.15	<0.56 ± 0.12	
				2014/6/19	Sunny	26.1	0.4	17.5	0.0	Light grayish greenish yellow	None	95	9.1	5	1.6	<0.67 ± 0.13	<0.69 ± 0.12	
				2014/8/22	Sunny	30.0	0.2	23.1	0.0	Grayish greenish yellow	None	62	6.0	2	0.6	<0.63 ± 0.12	<0.63 ± 0.13	
		Mooka City	Daidoizumi Bridge	2014/11/18	Sunny	11.0	0.4	12.9	0.0	Grayish greenish yellow	None	>100	6.5	<1	0.6	<0.59 ± 0.14	<0.47 ± 0.10	
				2015/2/17	Cloudy	2.3	0.3	5.8	0.0	Grayish greenish yellow	None	>100	13.4	1	0.6	<0.64 ± 0.13	<0.74 ± 0.16	
				2014/6/19	Sunny	27.7	0.3	21.0	0.0	Light grayish yellowish green	None	84	11.3	9	1.4	<0.64 ± 0.12	<0.58 ± 0.12	
36		Kinugawa River	Daidoizumi Bridge	2014/8/23	Cloudy	29.0	0.5	24.4	0.0	Grayish yellow green	None	56	5.8	5	0.7	<0.62 ± 0.091	<0.51 ± 0.096	
				2014/11/20	Cloudy	8.0	0.4	13.7	0.0	Light grayish yellow	None	>100	6.2	<1	0.2	<0.63 ± 0.12	<0.51 ± 0.15	
		Mooka City	Daidoizumi Bridge	2015/2/19	Sunny	7.7	0.4	10.0	0.0	Light grayish yellow green	None	>100	6.0	<1	0.1	<0.49 ± 0.087	<0.73 ± 0.17	

Tochigi River (Water) 5/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water							Remarks		
								General items				Activity concentration(Bq/L)					
	Water area	Location	Municipality					Water temperature (°C)	Sampling depth (m)	Color	Odor	Transparency (cm)	Bicellar conductance (mS/m)	SS (mg/L)	Turbidity (FTNU)	Cs-134	Radioactive cesium Cs-137
38	Kingawa River System	Egawa River Tributary	Shimotsuke City	2014/5/20	Sunny	27.8	0.3	22.1	0.0	Dark grayish reddish yellow	None	85	21.2	5	1.6	<0.67 ± 0.14	<0.62 ± 0.15
				2014/6/17	Sunny	28.2	0.2	21.0	0.0	Light grayish greenish yellow	None	78	11.3	7	1.7	<0.48 ± 0.096	<0.62 ± 0.16
				2014/7/9	Cloudy	28.1	0.6	22.8	0.0	Light grayish yellow green	None	55	17.3	13	0.9	<0.68 ± 0.13	<0.93 ± 0.22
				2014/8/4	Sunny	34.0	0.7	26.0	0.0	Grayish yellow	None	>100	15.8	<1	0.2	<0.54 ± 0.11	<0.59 ± 0.13
				2014/11/20	Cloudy	25.8	0.3	24.0	0.0	Grayish yellow green	None	83	10.3	6	1.2	<0.59 ± 0.14	<0.45 ± 0.11
		Akabori River	Nikko City	2015/2/19	Sunny	7.0	0.5	6.4	0.0	Grayish yellow green	None	61	15.4	5	3.7	<0.51 ± 0.12	<0.62 ± 0.12
				2014/5/23	Sunny	18.6	0.3	11.3	0.0	Light grayish yellow	None	>100	4.7	<1	0.5	<0.64 ± 0.14	<0.62 ± 0.15
				2014/8/21	Sunny	24.0	0.1	18.6	0.0	Light grayish greenish yellow	None	>100	6.5	5	0.3	<0.52 ± 0.11	<0.72 ± 0.14
				2014/11/14	Sunny	8.2	0.1	8.9	0.0	Light grayish yellow green	None	>100	5.9	1	0.2	<0.48 ± 0.080	<0.62 ± 0.12
				2015/2/13	Sunny	1.5	0.2	5.9	0.0	Light grayish greenish yellow	None	>100	10.8	2	0.4	<0.67 ± 0.14	<0.42 ± 0.11
39	Tonegawa River System	Tagawa River	Utsunomiya City	2014/5/23	Cloudy	16.2	0.1	14.4	0.0	Grayish yellow green	None	>100	7.3	7	0.5	<0.48 ± 0.11	<0.41 ± 0.051
				2014/8/22	Cloudy	28.0	0.2	19.3	0.0	Grayish greenish yellow	None	>100	7.7	3	0.2	<0.65 ± 0.13	<0.63 ± 0.14
				2014/11/17	Sunny	11.0	0.3	11.6	0.0	Light grayish yellow	None	>100	6.5	1	0.2	<0.50 ± 0.11	<0.75 ± 0.13
				2015/2/13	Cloudy	4.2	0.3	8.6	0.0	Light grayish greenish yellow	None	>100	15.1	3	0.4	<0.55 ± 0.092	<0.74 ± 0.12
				2014/5/13	Sunny	25.2	0.4	19.0	0.0	Dark grayish green	None	50	13.2	5	1.3	<0.67 ± 0.14	<0.81 ± 0.18
		Kamagawa River	Oyama City	2014/6/13	Sunny	21.9	0.5	20.7	0.0	Light grayish greenish yellow	None	>100	11.6	7	1.2	<0.61 ± 0.14	<0.68 ± 0.13
				2014/7/9	Cloudy	21.7	0.6	18.9	0.0	Grayish yellow green	None	53	12.6	7	0.9	<0.43 ± 0.11	<0.72 ± 0.15
				2014/8/29	Cloudy	23.0	0.1	21.6	0.0	Light grayish yellow	None	>100	14.0	3	0.5	<0.59 ± 0.11	<0.55 ± 0.12
				2014/9/24	Cloudy	24.5	0.1	20.4	0.0	Grayish reddish yellow	None	>100	14.0	5	1.2	<0.67 ± 0.11	<0.66 ± 0.14
				2014/11/18	Cloudy	12.0	0.2	13.2	0.0	Grayish yellow	None	>100	8.9	1	0.5	<0.69 ± 0.15	<0.62 ± 0.082
40	Riv	Tagawa River	Meiji Bridge	2015/2/17	Cloudy	6.0	0.3	7.9	0.0	Grayish yellow	None	>100	15.2	2	0.7	<0.66 ± 0.11	<0.71 ± 0.14
				2014/5/16	Sunny	21.8	0.3	20.0	0.0	Grayish yellow green	None	70	19.6	12	2.5	<0.57 ± 0.14	<0.42 ± 0.079
				2014/8/22	Cloudy	30.8	0.2	23.6	0.0	Light grayish reddish yellow	None	>100	10.2	3	0.7	<0.73 ± 0.14	<0.72 ± 0.14
				2014/11/18	Sunny	12.5	0.1	14.5	0.0	Grayish reddish yellow	None	>100	8.0	4	0.9	<0.51 ± 0.14	<0.74 ± 0.16
				2015/2/17	Cloudy	5.5	0.1	9.3	0.0	Grayish reddish yellow	None	>100	18.0	4	1.3	<0.69 ± 0.15	<0.62 ± 0.12
		Kamikawa River	Yanabashi Bridge	2014/5/16	Sunny	24.3	0.3	20.0	0.0	Dark grayish yellow green	None	55	24.8	9	1.7	<0.53 ± 0.10	<0.55 ± 0.11
				2014/8/23	Cloudy	30.0	0.1	25.4	0.0	Light grayish greenish yellow	None	>100	7.7	3	0.3	<0.68 ± 0.11	<0.63 ± 0.14
				2014/11/20	Cloudy	4.7	0.2	11.0	0.0	Grayish reddish yellow	None	>100	8.6	1	1.0	<0.64 ± 0.13	<0.66 ± 0.15
				2015/2/13	Sunny	5.0	0.1	11.3	0.0	Light grayish reddish yellow	None	>100	26.3	<1	1.3	<0.67 ± 0.13	<0.62 ± 0.16
				2014/5/16	Sunny	24.5	0.4	22.7	0.0	Grayish yellow green	None	62	25.0	4	1.2	<0.70 ± 0.16	<0.54 ± 0.11
41	42	Watarase River Area	Kanuma City	2014/8/23	Sunny	32.2	0.6	26.3	0.0	Grayish yellow	Faint drain	77	8.2	8	0.3	<0.65 ± 0.11	<0.63 ± 0.11
				2014/11/20	Cloudy	11.0	0.5	12.2	0.0	Light grayish yellow green	None	>100	10.9	2	1.7	<0.64 ± 0.15	<0.52 ± 0.13
				2015/2/19	Sunny	11.8	0.2	11.8	0.0	Light grayish yellow	None	63	21.8	3	2.2	<0.59 ± 0.14	<0.55 ± 0.12
				2014/5/15	Light rain	20.5	0.2	18.3	0.0	Colorless transparent	None	>100	6.5	2	0.4	<0.51 ± 0.15	<0.71 ± 0.13
				2014/8/9	Cloudy	26.5	0.2	22.4	0.0	Light grayish yellow	None	>100	9.0	<1	0.1	<0.48 ± 0.097	<0.52 ± 0.13
		Omoi River	Kanuma City	2014/11/19	Sunny	10.5	0.3	11.6	0.0	Grayish reddish yellow	None	>100	5.5	1	0.2	<0.55 ± 0.12	<0.55 ± 0.10
				2015/2/20	Cloudy	6.1	0.2	8.4	0.0	Grayish yellow	None	>100	9.9	1	0.8	<0.61 ± 0.13	<0.62 ± 0.11
				2014/6/3	Sunny	22.9	0.1	20.8	0.0	Yellowish light gray	None	>100	20.1	1	0.5	<0.72 ± 0.14	<0.42 ± 0.11
				2014/8/25	Cloudy	24.3	0.2	22.2	0.0	Grayish yellow green	None	>100	5.2	3	0.3	<0.68 ± 0.16	<0.63 ± 0.13
				2014/11/21	Sunny	9.0	0.2	14.1	0.0	Dark grayish reddish yellow	None	>100	8.3	<1	0.3	<0.72 ± 0.15	<0.62 ± 0.12
43	44	Kamikawa River	Onari Bridge	2015/2/19	Sunny	9.0	0.2	11.8	0.0	Grayish yellow	None	>100	20.6	2	1.7	<0.44 ± 0.090	<0.58 ± 0.12
				2014/5/15	Sunny	25.5	0.3	17.4	0.0	Dark grayish yellowish green	None	>100	7.8	1	0.7	<0.61 ± 0.11	<0.71 ± 0.13
				2014/8/9	Cloudy	26.2	0.3	23.2	0.0	Light grayish yellow	None	>100	8.0	1	0.1	<0.62 ± 0.12	<0.49 ± 0.12
				2014/11/19	Sunny	11.0	0.2	15.1	0.0	Light grayish yellow	None	>100	6.7	2	0.4	<0.62 ± 0.13	<0.55 ± 0.083
				2015/2/20	Cloudy	6.3	0.1	8.1	0.0	Light grayish yellow	None	>100	6.9	<1	0.2	<0.39 ± 0.093	<0.66 ± 0.15
		Oashi River	Kanuma City	2014/5/15	Cloudy	22.0	0.1	19.9	0.0	Dark grayish yellow green	None	71	6.6	8	2.5	<0.74 ± 0.18	<0.85 ± 0.15
				2014/8/9	Cloudy	26.5	0.1	24.7	0.0	Light grayish reddish yellow	None	>100	16.5	4	0.5	<0.54 ± 0.12	<0.49 ± 0.10
				2014/11/19	Sunny	11.2	0.1	12.7	0.0	Grayish yellow	None	>100	7.6	<1	0.5	<0.57 ± 0.13	<0.47 ± 0.096
				2015/2/20	Cloudy	6.0	0.2	6.6	0.0	Grayish yellow	None	88	16.9	1	1.1	<0.71 ± 0.16	<0.66 ± 0.12

Tochigi River (Water) 6/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water										Remarks	
	Water area							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 cestum		Cs-134	Cs-137					
49			Tamotsu Bridge	Tochigi City	2014/6/3	Sunny	25.1	0.1	21.5	0.0	Greenish yellowish light gray	None	>100	13.9	2	0.4	-0.54 ± 0.12	-0.55 ± 0.13	
					2014/8/9	Cloudy	25.8	0.2	23.6	0.0	Light grayish yellow green	None	>100	12.5	<1	0.1	-0.66 ± 0.14	-0.55 ± 0.11	
					2014/11/21	Sunny	10.8	0.2	12.9	0.0	Light grayish yellow	None	>100	6.5	<1	0.2	-0.61 ± 0.15	-0.59 ± 0.14	
					2015/2/19	Sunny	9.8	0.2	12.3	0.0	Light grayish greenish yellow	None	>100	14.1	<1	0.4	-0.51 ± 0.12	-0.65 ± 0.13	
River systems		Omoi River	Otome-ohashi Bridge	Oyama City	2014/5/20	Sunny	29.5	0.3	25.1	0.0	Grayish reddish yellow	None	>100	22.9	6	1.1	-0.58 ± 0.11	-0.56 ± 0.094	
					2014/6/17	Sunny	24.1	0.3	21.5	0.0	Grayish yellow green	None	52	13.0	14	2.4	-0.47 ± 0.11	-0.62 ± 0.15	
					2014/7/9	Cloudy	27.7	0.8	21.6	0.0	Light grayish greenish yellow	None	55	11.5	10	0.8	-0.65 ± 0.13	-0.63 ± 0.13	
					2014/8/25	Cloudy	26.3	0.5	23.9	0.0	Grayish greenish yellow	None	>100	5.8	6	0.4	-0.52 ± 0.087	-0.58 ± 0.12	
					2014/9/24	Sunny	23.6	0.2	21.6	0.0	Light grayish yellow	None	>100	7.4	3	0.7	-0.61 ± 0.14	-0.56 ± 0.081	
					2014/11/21	Sunny	12.5	0.2	14.6	0.0	Grayish yellow green	None	>100	7.5	2	0.8	-0.66 ± 0.14	-0.59 ± 0.12	
					2015/2/19	Sunny	8.0	0.2	9.5	0.0	Grayish yellow green	None	78	21.6	7	3.0	-0.51 ± 0.10	-0.55 ± 0.11	
					2014/5/26	Cloudy	21.5	0.7	21.2	0.0	Grayish yellow	None	73	26.4	7	0.9	-0.57 ± 0.11	-0.60 ± 0.10	
					2014/6/17	Sunny	24.8	0.8	22.1	0.0	Light grayish greenish yellow	None	70	21.4	8	1.5	-0.51 ± 0.14	-0.71 ± 0.18	
					2014/7/9	Light rain	25.1	0.8	21.2	0.0	Grayish yellow green	None	65	19.8	7	0.7	-0.52 ± 0.10	-0.51 ± 0.13	
River systems		Uzuma River Area	Uzuma Bridge	Tochigi City	2014/8/8	Cloudy	29.2	0.5	27.0	0.0	Dark grayish greenish yellow	None	93	28.5	6	0.4	-0.53 ± 0.12	-0.41 ± 0.085	
					2014/9/12	Sunny	23.5	1.0	23.0	0.0	Light grayish yellow green	None	67	10.9	3	0.6	-0.64 ± 0.13	-0.58 ± 0.11	
					2014/11/21	Sunny	11.5	0.5	15.8	0.0	Dark grayish yellow	None	>100	7.0	14	1.7	-0.64 ± 0.13	-0.65 ± 0.15	
					2015/2/19	Sunny	10.8	1.0	8.7	0.0	Grayish yellow	None	47	28.8	11	4.7	-0.44 ± 0.12	-0.49 ± 0.10	
					2014/5/20	Sunny	19.7	0.4	18.2	0.0	Grayish green	None	>100	19.6	3	0.2	-0.60 ± 0.14	-0.60 ± 0.12	
					2014/6/25	Cloudy	25.3	0.4	15.2	0.0	Light grayish yellow green	None	>100	10.8	<1	0.2	-0.64 ± 0.14	-0.58 ± 0.11	
					2014/7/23	Sunny	29.4	0.3	18.0	0.0	Light grayish green	None	>100	7.1	11	0.1	-0.58 ± 0.12	-0.58 ± 0.13	
					2014/8/19	Sunny	29.9	0.6	20.9	0.0	Grayish yellow green	None	>100	7.9	3	0.3	-0.62 ± 0.14	-0.58 ± 0.083	
					2014/9/10	Cloudy	21.5	0.5	16.5	0.0	Dark grayish bluish green	None	>100	7.9	<1	0.1	-0.68 ± 0.14	-0.68 ± 0.16	
					2014/11/19	Sunny	3.5	0.4	7.2	0.0	Grayish green	None	>100	4.9	13	2.2	-0.64 ± 0.13	-0.65 ± 0.13	
River systems		Watarase River intake weir at Sori Power Station	Nikkō City		2015/2/12	Sunny	3.2	0.5	5.6	0.0	Light grayish greenish yellow	None	>100	2.3	<1	0.2	-0.66 ± 0.16	-0.56 ± 0.14	
					2014/5/20	Sunny	28.2	0.3	18.9	0.0	Grayish reddish yellow	None	>100	11.9	1	1.6	-0.66 ± 0.14	-0.62 ± 0.14	
					2014/6/29	Cloudy	23.3	0.3	22.0	0.0	Dark grayish yellow green	None	>100	6.2	4	0.9	-0.61 ± 0.13	-0.75 ± 0.15	
					2014/11/29	Cloudy	11.0	0.5	10.8	0.0	Grayish greenish yellow	None	>100	14.5	<1	0.4	-0.59 ± 0.12	-0.68 ± 0.19	
					2015/2/2	Sunny	7.0	0.3	3.5	0.0	Grayish yellow green	None	>100	17.9	1	0.7	-0.66 ± 0.15	-0.66 ± 0.16	
					2014/6/3	Sunny	27.7	0.3	25.1	0.0	Grayish greenish yellow	None	>100	14.2	6	1.5	-0.50 ± 0.12	-0.47 ± 0.12	
					2014/8/29	Cloudy	23.0	0.3	22.6	0.0	Grayish green	None	>100	6.4	4	0.7	-0.72 ± 0.15	-0.66 ± 0.13	
					2014/11/29	Cloudy	12.2	0.4	12.8	0.0	Dark grayish yellow green	None	83	13.5	<1	0.4	-0.59 ± 0.13	-0.76 ± 0.14	
					2015/2/2	Sunny	6.8	0.3	6.8	0.0	Grayish green	None	>100	16.3	1	0.7	-0.74 ± 0.17	-0.62 ± 0.15	
River systems		Hajika Bridge	Ashikaga City		2014/6/3	Sunny	27.5	0.6	26.9	0.0	Reddish yellowish gray	None	56	20.4	4	1.3	-0.51 ± 0.11	-0.62 ± 0.14	
					2014/8/29	Cloudy	24.2	0.3	23.8	0.0	Dark grayish yellow	None	54	6.8	12	2.4	-0.47 ± 0.087	-0.85 ± 0.16	
					2014/11/29	Sunny	14.0	0.1	13.9	0.0	Grayish reddish yellow	None	>100	8.2	2	0.7	-0.71 ± 0.13	-0.58 ± 0.13	
					2015/2/3	Sunny	9.8	0.3	8.0	0.0	Light grayish yellow green	None	>100	22.0	1	0.8	-0.59 ± 0.13	-0.74 ± 0.19	
					2014/6/4	Cloudy	25.3	0.6	25.1	0.0	Yellowish pale gray	None	19	27.5	37	1.3	-0.61 ± 0.14	-0.51 ± 0.096	
					2014/6/26	Sunny	23.5	0.6	22.3	0.0	Dark grayish yellow green	None	69	14.9	13	2.6	-0.59 ± 0.12	-0.49 ± 0.11	
					2014/7/25	Sunny	31.2	1.0	24.7	0.0	Grayish yellow	None	56	17.4	14	1.0	-0.58 ± 0.13	-0.55 ± 0.12	
					2014/8/20	Sunny	30.0	0.3	29.0	0.0	Grayish yellow green	None	70	11.8	6	0.5	-0.52 ± 0.11	-0.51 ± 0.068	
					2014/9/12	Sunny	20.8	0.5	21.5	0.0	Grayish yellow green	None	56	16.8	8	2.2	-0.56 ± 0.13	-0.49 ± 0.10	
					2014/12/3	Sunny	10.2	0.4	10.3	0.0	Grayish yellow	None	56	20.2	8	2.5	-0.75 ± 0.17	-0.62 ± 0.12	
River systems		Shinkai Bridge	Tochigi City		2015/2/3	Sunny	9.8	0.1	9.4	0.0	Light grayish yellow	None	77	24.2	6	3.8	-0.64 ± 0.11	-0.50 ± 0.082	

Tochigi River (Sediment) 1/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment										Property	Activity concentration [Bq/kg(dry)]	Remarks			
	Water area		Location					Sediment temperature (°C)		Sample length (cm)	Color	Odor	Grain size distribution(%)				ediment cont.	Density (g/cm³)					
								Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	(%)							
1	Nakagawa River	Kuyobashishita Nasushiohara City	Komei Bridge	2014/6/2	Sunny	28.8	0.5	19.0	5	Olive black	None	0.0	35.2	38.0	17.6	6.8	0.6	1.0	81.9	2,611	Gravel sand Gravel sand Gravel sand Gravel sand	<9.5 ± 2.6 18 ± 3.3 3.3 18	
				2014/6/6	Sunny	28.0	0.2	18.0	3	Grayish olive	None	0.0	27.5	38.4	21.5	9.8	1.2	0.4	1.2	86.2	2,611	Gravel sand	9.1 ± 2.3 26 ± 3.5 3.5 31
				2014/6/11	Cloudy	6.0	0.1	10.0	5	Olive black	None	0.0	20.1	29.2	35.6	12.5	0.5	0.2	2.0	79.2	2,615	Gravel sand	<7.1 ± 2.1 12 ± 2.7 12
				2014/5/22	Light snow	-2.3	0.2	5.5	3	Dark brown	None	0.0	21.1	29.0	35.6	12.5	0.5	0.2	2.0	79.2	2,615	Gravel sand	Useful to collect samples due to snow on the ground
2	Takaomata River	Takaomata Bridge Nasu Town	Yukawa River	2014/5/22	Sunny	20.5	0.3	14.0	5	Dark brown	None	0.0	2.1	18.0	52.1	22.7	0.0	1.0	7.6	2,617	Sand/gravel	6.1 ± 2.0 24 ± 3.3 3.3 30.3	
				2014/6/6	Sunny	30.3	0.3	22.3	5	Dark brown	None	0.0	40.5	26.2	13.8	15.5	2.0	0.1	1.1	87.3	2,711	Gravel sand	6.3 ± 1.8 24 ± 3.3 3.3 30.3
				2014/11/4	Sunny	10.0	0.2	11.5	5	Grayish olive	None	0.0	25.7	14.9	26.5	29.0	1.6	0.1	1.4	72.8	2,696	Sand/gravel	11 ± 2.7 34 ± 4.0 4.0 45
				2015/2/2	Cloudy	-2.0	0.2	3.5	3	Olive black	None	0.0	8.3	8.4	31.0	44.9	3.3	0.3	1.3	76.5	2,699	Sand/gravel	7.9 ± 2.0 19 ± 2.9 26.9
3	Yukawa River	Yukawa Bridge Nasu Town	Nakagawa River System	2014/5/22	Sunny	22.0	0.2	11.5	3	Dark brown	None	0.0	31.1	17.0	11.0	22.7	12.4	0.0	0.6	74.4	2,699	Sand/gravel	<7.0 ± 2.0 19 ± 2.9 26.9
				2014/6/6	Sunny	27.5	0.1	20.0	5	Blackish brown	None	0.0	41.2	22.1	5.5	7.7	2.0	0.6	0.6	84.0	2,700	Gravel sand	<7.8 ± 2.4 20 ± 2.9 26.9
				2014/11/4	Sunny	9.0	0.2	11.0	3	Blackish brown	None	0.0	24.7	32.8	21.9	15.4	2.5	0.4	2.3	77.2	2,709	Gravel sand	6.5 ± 1.9 25 ± 2.6 31.5
				2015/2/2	Sunny	-0.8	0.3	4.5	3	Dark brown	None	0.0	26.4	8.2	4.8	21.0	3.0	4.2	70.9	2,668	Sand/gravel	41 ± 4.8 150 ± 8.3 191	
4	Nakagawa River	Kamikuroiso Nasuehara City/Nasue Town	Yosasa River	2014/5/22	Sunny	18.5	0.3	14.6	8	Dark brown	None	0.4	14.4	12.4	23.6	41.6	4.3	0.9	3.6	75.5	2,778	Sand/gravel	16 ± 2.8 46 ± 4.6 62
				2014/6/6	Sunny	28.0	0.3	22.0	5	Extremely dark reddish brown	None	0.0	21.6	11.0	26.0	41.6	1.0	0.6	0.6	82.8	2,688	Gravel sand	11 ± 2.9 38 ± 4.2 49
				2014/11/4	Sunny	9.5	0.2	21.0	5	Extremely dark reddish brown	None	0.0	5.2	25.0	20.1	16.5	2.1	0.1	0.0	82.8	2,688	Gravel sand	6.7 ± 2.3 25 ± 2.9 32.1
				2015/2/2	Sunny	-1.2	0.3	5.0	3	Dark brown	None	2.6	22.2	17.0	13.3	32.8	9.3	0.5	2.2	78.0	2,883	Sand/gravel	8.9 ± 2.4 43 ± 4.1 51.9
5	Nakagawa River	Kamikuroiso Nasuehara City/Nasue Town	Kurokawa River	2014/5/22	Sunny	24.5	0.5	17.3	5	Dark yellowish brown	None	1.1	12.3	16.0	21.6	5.6	0.7	2.1	75.9	2,716	Sand/gravel	27 ± 3.5 75 ± 5.6 102	
				2014/6/6	Sunny	28.8	0.4	17.0	3	Olive brown	None	0.8	20.6	17.0	25.6	28.6	4.6	0.8	2.1	78.3	2,696	Sand/gravel	15 ± 3.0 43 ± 4.3 58
				2014/11/4	Sunny	26.0	0.3	18.1	3	Olive black	None	0.1	11.1	16.6	1.4	5.6	0.0	0.0	0.0	90.9	2,699	Gravel sand	17 ± 3.6 66 ± 5.2 83
				2015/2/2	Cloudy	29.0	0.2	28.5	5	Grayish olive	None	0.0	47.1	28.1	10.3	6.1	0.5	0.5	0.5	97.6	2,881	Gravel sand	12 ± 2.3 33 ± 3.5 45
6	Yosasa River	Yosasa Bridge Nasu Town	Kurokawa River	2014/5/22	Sunny	22.0	0.1	18.0	5	Olive black	None	0.0	20.4	18.5	21.4	28.6	8.0	1.0	1.5	81.1	2,709	Gravel sand	20 ± 2.4 70 ± 4.3 90
				2014/11/6	Sunny	19.2	0.3	15.0	5	Dark grayish yellow	None	0.0	36.8	25.0	17.6	18.4	1.5	0.0	0.9	79.4	2,712	Gravel sand	12 ± 2.3 32 ± 3.6 44
				2015/2/3	Sunny	1.0	0.3	4.3	3	Olive black	None	0.0	31.7	36.8	23.1	8.1	0.3	0.1	1.0	85.3	2,724	Gravel sand	<7.0 ± 2.2 24 ± 4.0 24
				2014/11/21	Sunny	21.0	0.3	24.0	5	Blackish brown	Fairly dry	0.0	64.5	14.9	8.1	6.0	1.0	0.5	0.5	83.4	2,722	Gravel sand	9.9 ± 2.2 124 ± 4.0 53.0
7	Yosasa River	Shinden Bridge Nasu Town	Nasuehara City	2014/5/20	Sunny	26.0	0.3	18.5	5	Blackish brown	None	0.2	51.4	45.4	4.5	15.1	2.4	0.5	0.5	84.5	2,695	Sand/gravel	110 ± 10 120 ± 18 180
				2014/11/6	Sunny	17.8	0.3	12.5	5	Blackish brown	None	0.0	63.8	24.0	4.5	5.3	1.5	0.6	0.2	84.5	2,692	Sand/gravel	14 ± 2.2 41 ± 3.8 55
				2015/2/3	Sunny	1.0	0.4	3.0	5	Blackish brown	Fairly dry	0.0	0.4	0.2	0.4	2.1	7.6	67.1	22.0	25.0	2,249	Silky sand	190 ± 22 630 ± 40 820
				2014/5/31	Sunny	25.5	0.4	25.5	5	Dark brown	None	3.1	64.1	23.4	2.4	1.5	0.3	0.1	0.3	87.8	2,696	Gravel sand	20 ± 3.5 48 ± 5.3 68
8	Yosasa River	Kawada Bridge Otsuwa City	Nakagawa River	2014/5/22	Cloudy	23.0	0.3	14.7	7	Dark brown	None	1.7	11.7	3.7	10.1	57.9	11.0	0.2	0.7	83.1	2,996	Sand/gravel	19 ± 2.7 56 ± 4.4 75
				2014/6/13	Sunny	21.8	0.3	19.5	4	Blackish brown	None	0.0	23.2	9.7	6.3	39.5	15.3	1.2	3.6	78.4	2,881	Sand/gravel	38 ± 4.0 96 ± 6.2 134
				2014/11/6	Sunny	27.4	0.4	20.7	5	Yellowish brown	None	0.0	3.6	1.4	5.0	68.6	17.5	0.6	3.3	73.8	2,823	Sand/gravel	42 ± 4.3 110 ± 7.1 152
				2014/11/20	Cloudy	23.0	0.3	20.4	5	Blackish brown	None	0.0	42.1	14.1	1.1	14.4	0.6	0.6	0.6	82.4	2,881	Sand/gravel	14 ± 2.2 48 ± 3.8 144
9	Nakagawa River	Kurobane	Kurobane	2014/5/22	Cloudy	23.3	0.4	18.9	3	Grayish olive	None	0.0	0.7	2.0	5.8	66.8	20.0	1.3	3.5	70.4	2,781	Sand/gravel	46 ± 5.2 160 ± 9.7 206
				2014/6/6	Sunny	21.2	0.1	16.5	5	Blackish brown	None	0.0	10.0	8.5	17.6	51.3	10.6	0.0	2.0	79.9	2,877	Sand/gravel	17 ± 2.8 44 ± 4.1 61
				2015/2/3	Sunny	4.0	0.3	8.0	3	Olive brown	None	0.0	5.9	7.4	13.1	60.5	10.7	0.7	1.6	77.5	2,963	Sand/gravel	27 ± 4.2 110 ± 7.7 137
				2014/5/31	Sunny	26.2	0.3	24.0	5	Grayish olive	None	0.0	27.1	21.4	24.1	14.0	0.8	0.8	1.1	88.4	2,792	Gravel sand	34 ± 1.1 112 ± 1.7 34.1
10	Nakagawa River	Kurobane	Kurobane	2014/5/22	Cloudy	23.0	0.3	22.1	5	Grayish olive	None	0.0	29.6	21.3	24.1	14.0	0.8	0.8	1.1	88.4	2,792	Gravel sand	34 ± 1.1 112 ± 1.7 34.1
				2014/7/15	Sunny	30.5	0.3	24.0	5	Dust yellowish orange	None	7.6	15.6	11.4	20.3	29.9	12.5	0.6	2.2	82.7	2,719	Sand/gravel	17 ± 2.9 46 ± 4.6 63
				2014/8/20	Sunny	31.8	0.2	26.5	5	Grayish olive	None	0.5	34.5	20.4	25.4	16.6	0.8	1.4	83.3	2,723	Gravel sand	8.7 ± 1.5 23 ± 2.2 31.7	
				2014/9/11	Cloudy	21.1	0.2	17.3	3	Grayish olive	None	0.0	26.8	34.5	23.4	13.5	0.9	0.3	1.6	83.5	2,760	Gravel sand	9.6 ± 2.9 31 ± 4.1 40.6
11	Nakagawa River	Kurobane	Kurobane	2014/11/7	Sunny	13.9	0.1	13.5	5	Grayish olive	None	0.4	26.2	34.2	25.3	12.2	0.6	0.1	0.9	87.3	2,712	Gravel sand	9.3 ± 2.7 19 ± 2.9 19
				2015/2/7	Cloudy	4.2	0.2	4.5	3	Dark yellowish orange	None	0.0	21.1	34.9	28.8	18.1	0.1	0.1	0.1	86.9	2,612	Gravel sand	8.8 ± 2.5 25 ± 3.5 27

Tochigi River (Sediment) 2/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment												Property	Activity concentration [Bq/kg(dry)]	Remarks			
	Water area		Location					Sediment temperature (°C)		Sample length (cm)	Color	Odor	General items				Grain size distribution(%)				Property				
								Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	ediment cont (%)	Density (g/cm³)	Cs-134	Cs-137	Total					
10	Matsuba River	Tributary	Otsuwa City	2014/5/31	Sunny	27.6	0.5	23.0	5	Faint hydrogen sulfide	None	1.9	41.5	29.4	18.0	6.8	0.9	0.5	90.9	2.69	Gravel/sand	8.8 ± 2.7	19 ± 3.9	27.8	
				2014/6/23	Sunny	28.1	0.4	22.1	4	Grayish olive	None	0.0	21.7	30.6	25.9	17.5	0.9	1.3	2.2	84.3	2.665	Sand/gravel	17 ± 2.8	56 ± 4.5	73
				2014/7/15	Sunny	31.0	0.3	24.0	5	Grayish olive	None	0.0	10.8	35.4	41.1	10.9	0.3	0.0	1.6	86.1	2.665	Gravel/sand	14 ± 3.0	34 ± 4.6	61
				2014/8/10	Sunny	27.3	0.4	24.5	5	Dark olive brown	None	0.0	29.9	27.1	30.1	10.4	0.4	1.1	2.6	82.6	2.665	Gravel/sand	13 ± 2.1	46 ± 4.3	59
				2014/9/11	Cloudy	21.1	0.5	13.8	5	Faint hydrogen sulfide	None	0.0	26.4	27.8	17.0	36.5	7.0	0.5	1.6	98.8	2.666	Gravel/sand	18 ± 3.4	62 ± 5.8	80
				2014/11/7	Cloudy	13.5	0.2	13.0	5	Blackish brown	None	1.7	13.5	12.0	6.0	33.5	26.6	2.7	3.6	81.7	2.665	Sand/gravel	26 ± 3.4	70 ± 5.1	96
				2015/2/5	Cloudy	5.0	0.4	3.3	3	Blackish brown	None	0.8	8.1	14.1	19.8	44.6	8.9	1.6	2.0	84.4	2.676	Sand/gravel	15 ± 3.2	64 ± 5.6	79
11	Sabigawa River	Udagawa Bridge		2014/7/2	Sunny	27.7	0.2	20.7	5	Dim yellowish orange	None	0.0	24.6	10.9	14.8	37.2	9.0	0.7	2.3	82.9	2.676	Sand/gravel	18 ± 3.2	48 ± 4.9	66
				2014/8/6	Cloudy	21.0	0.4	18.8	5	Olive black	None	0.0	25.8	4.0	11.7	52.2	18.4	0.0	0.4	94.5	2.665	Sand/gravel	16 ± 5.1	19 ± 4.8	212
				2015/1/7	Sunny	13.3	0.2	14.8	5	Olive black	None	0.0	25.0	18.4	1.3	52.1	7.0	0.0	2.6	87.0	2.665	Sand/gravel	18 ± 2.5	49 ± 4.6	67
12	Monuma River	Monumana Bridge		2015/2/14	Sunny	3.5	0.1	7.7	5	Dim yellowish orange	None	0.0	47.2	24.0	11.7	9.4	5.0	0.4	3.7	87.8	2.672	Gravel/sand	10 ± 2.0	36 ± 3.6	46
				2014/6/4	Cloudy	24.1	1.8	15.2	6	Dim yellowish brown	None	0.2	50.2	34.1	14.5	7.1	0.5	0.2	1.3	84.6	2.671	Gravel/sand	24 ± 3.0	59 ± 4.5	81
				2014/9/2	Sunny	28.0	0.3	20.0	5	Dark grayish yellow	None	0.8	33.6	28.5	16.3	16.7	3.0	0.1	1.2	81.8	2.669	Gravel/sand	27 ± 3.6	83 ± 5.8	110
13	Yunohara	Nasushiobara City		2014/10/10	Sunny	12.0	0.3	12.8	5	Olive black	None	0.0	22.5	20.3	1.6	38.8	4.0	0.0	2.5	83.5	2.665	Gravel/sand	22 ± 3.0	81 ± 5.0	100
				2015/2/6	Cloudy	5.0	0.3	12.0	5	Olive black	None	0.0	25.0	29.0	12.6	12.0	4.5	0.8	0.8	95.2	2.665	Gravel/sand	37 ± 4.1	74 ± 5.5	175
				2014/9/2	Sunny	30.1	0.4	21.0	5	Blackish brown	None	0.0	14.5	21.2	29.3	31.2	1.8	0.4	1.8	79.2	2.669	Sand/gravel	<6.7 ± 2.0	12 ± 2.7	12
				2014/9/28	Cloudy	19.8	0.4	17.8	5	Dark olive brown	None	0.4	27.7	33.4	17.2	14.5	4.9	0.9	0.9	84.3	2.665	Gravel/sand	6.5 ± 2.2	16 ± 2.8	16
				2014/10/10	Sunny	13.0	0.3	13.5	5	Olive brown	None	0.0	19.8	28.7	25.1	22.1	1.0	0.3	2.5	84.5	2.788	Sand/gravel	3.3 ± 0.34	11 ± 0.50	43.3
				2014/10/20	Cloudy	2.1	0.2	2.1	5	Olive brown	None	0.0	25.0	22.8	22.8	22.8	1.0	0.0	0.0	99.0	2.665	Gravel/sand	2.1 ± 2.1	2.1 ± 2.1	2.1
				2014/10/21	Sunny	20.9	0.2	20.0	5	Dim yellowish brown	None	1.2	31.6	40.7	19.9	4.4	0.6	0.2	1.2	76.6	2.667	Gravel/sand	16 ± 2.8	44 ± 4.3	60
14	Sekiba Bridge	Hokigawa River	Iwai Bridge	2014/9/28	Cloudy	24.0	0.5	18.0	5	Dark grayish yellow	None	0.0	15.0	10.5	12.4	34.1	16.7	5.5	5.8	68.7	2.698	Silt/gravel	100 ± 7.0	310 ± 121	410
				2014/11/10	Sunny	16.8	0.4	13.0	5	Dim yellowish brown	None	1.4	45.3	38.8	10.9	4.0	0.7	0.3	0.7	80.6	2.634	Gravel/sand	12 ± 2.4	63 ± 5.3	75
				2015/2/6	Sunny	6.2	0.4	6.3	5	Olive black	None	0.0	23.8	31.3	23.5	15.5	2.6	1.4	2.1	84.6	2.665	Gravel/sand	22 ± 4.6	84 ± 7.6	106
15	Hokigawa River	Hokigawa Bridge	Otsuwa City	2014/6/2	Sunny	24.6	0.4	21.0	5	Grayish olive	None	0.0	20.4	20.7	17.7	22.0	2.0	0.8	0.8	79.0	2.665	Gravel/sand	22 ± 2.4	24 ± 2.4	44
				2014/9/2	Sunny	20.0	0.3	18.8	5	Yellowish brown	None	0.0	44.1	24.4	24.4	31.0	1.0	0.0	0.0	66.6	2.665	Sand/gravel	54 ± 4.4	150 ± 20.0	200
				2014/11/10	Sunny	13.5	0.2	14.8	5	Grayish olive	None	1.5	26.7	37.4	22.3	8.3	1.0	0.0	1.1	84.6	2.643	Gravel/sand	<6.0 ± 1.9	2.5 ± 2.5	12
16	Nakagawa River	Shimnaka Bridge	Nakagawa Town	2015/2/6	Sunny	6.8	0.2	7.0	5	Olive black	None	0.0	0.7	1.9	9.0	79.6	5.2	1.2	2.8	73.9	2.635	Sand	<8.9 ± 2.4	15 ± 3.8	15
				2014/5/19	Cloudy	22.7	0.4	19.5	6	Dark brown	None	0.0	54.7	17.6	8.6	12.3	2.3	0.7	0.9	85.8	2.668	Gravel/sand	6.3 ± 1.8	11 ± 2.3	17.3
				2014/7/17	Cloudy	26.0	0.3	22.0	5	Dark olive black	None	0.0	45.0	22.9	15.9	2.4	0.6	0.7	0.0	90.5	2.665	Gravel/sand	<5.5 ± 1.8	22 ± 2.9	23
17	Nakagawa River	Kosei Bridge		2014/8/8	Sunny	31.5	0.4	23.5	6	Yellowish brown	None	1.6	45.8	12.4	13.8	22.9	2.3	0.1	1.2	77.0	2.668	Gravel/sand	<5.6 ± 1.8	15 ± 2.7	15
				2014/9/8	Sunny	24.3	0.4	21.0	5	Olive brown	None	0.0	0.2	1.1	3.1	46.1	27.8	0.8	0.8	73.6	2.701	Sand	<6.7 ± 2.1	24 ± 2.9	24
				2014/11/7	Sunny	12.2	0.4	15.5	5	Dim yellowish orange	None	0.4	8.1	9.1	5.0	56.6	17.7	1.0	2.2	81.3	2.663	Sand/gravel	<6.6 ± 1.9	11 ± 2.5	11
18	Mumogawa River			2014/5/19	Sunny	4.0	0.2	4.3	5	Olive black	None	0.0	23.5	31.1	25.3	34.1	4.4	0.2	1.1	87.5	2.665	Gravel/sand	<5.5 ± 1.7	17 ± 2.8	17
				2014/6/16	Sunny	27.8	0.3	24.2	5	Grayish olive	None	0.0	33.3	34.5	15.0	12.6	3.1	0.5	1.0	81.7	2.664	Gravel/sand	7.0 ± 1.9	17 ± 2.7	24.0
				2014/7/8	Sunny	27.1	0.4	20.1	4	Grayish olive	None	0.0	36.5	31.0	12.4	13.3	4.5	1.3	1.1	84.4	2.681	Gravel/sand	9.0 ± 2.5	19 ± 3.0	28.0
19	Nakagawa River			2014/8/2	Sunny	26.9	0.3	26.0	5	Faint hydrogen sulfide	None	0.0	47.8	28.7	23.1	0.4	0.3	0.3	0.7	89.0	2.668	Gravel/sand	<6.1 ± 2.0	15 ± 2.3	15
				2014/9/11	Sunny	16.3	0.3	16.4	5	Dark olive black	None	0.0	22.1	12.6	8.6	32.1	21.9	1.1	1.6	79.0	2.711	Sand/gravel	15 ± 3.2	39 ± 4.3	42
				2015/2/16	Sunny	3.5	0.2	6.0	5	Olive black	None	0.0	41.3	38.0	11.5	7.1	1.5	0.1	0.5	85.7	2.705	Gravel/sand	<7.3 ± 2.1	12 ± 2.7	12
20	Mumogawa River			2014/5/19	Sunny	24.5	0.8	21.8	8	Dark brown	None	4.6	36.8	9.9	6.1	37.3	3.2	0.9	2.0	80.0	2.682	Sand/gravel	7.6 ± 2.0	16 ± 2.8	23.6
				2014/6/10	Sunny	23.0	0.6	17.0	5	Faint hydrogen sulfide	None	0.0	2.9	20.6	31.6	38.0	3.7	0.3	3.0	77.1	2.668	Sand/gravel	<7.9 ± 2.4	11 ± 3.5	11
				2014/7/2	Sunny	28.6	0.4	19.3	5	Grayish olive	None	0.6	2.7	8.4	22.5	55.5	6.8	0.4	3.1	77.5	2.661	Sand/gravel	27.0 ± 2.3	18 ± 3.3	18
21																									

Tochigi River (Sediment) 3/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment												Remarks					
	Water area		Location					General items			Grain size distribution(%)			ediment cont.			Activity concentration [Bq/kg(dry)]								
	Sediment temperature (°C)	Sample length (cm)	Color					Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	(%)	Density (g/cm³)	Property	Cs-134	Cs-137	Total				
19	Atakawa River	Saikachi Bridge	Shioya Town	2014/5/17	Sunny	22.5	0.3	15.3	5	Brown	None	0.8	75.1	18.9	3.0	1.6	0.2	0.2	96.5	2,604	Gravel/sand	16 ± 2.8	49 ± 4.6	65	
				2014/6/18	Cloudy	26.2	0.5	23.0	5	Dark brown	None	0.6	29.4	11.4	3.7	18.9	12.5	6.0	4.6	67.3	2,581	Sand/gravel	85 ± 8.0	270 ± 14	355
		Renjo Bridge	Sakura City	2014/5/12	Cloudy	11.8	0.3	12.0	5	Dark brown	None	1.0	53.6	29.9	5.9	7.5	1.3	0.5	0.4	87.1	2,609	Gravel/sand	28 ± 3.7	97 ± 5.8	125
				2014/5/27	Sunny	1.3	0.3	1.3	1	Dun yellowish brown	None	0.6	30.3	30.2	1.8	0.8	0.6	0.6	0.6	85.5	2,606	Gravel/sand	26 ± 4.1	109 ± 2.0	160
20	Uchikawa River	Tanaka Bridge	Yaita City	2014/5/17	Sunny	24.0	0.4	20.1	9	Faint fish	None	0.0	41.0	20.7	18.4	14.3	2.0	0.8	0.0	60.0	2,604	Sand/gravel	-5.8 ± 1.9	13 ± 2.9	131
				2014/6/18	Sunny	30.0	0.2	26.0	5	Dark olive brown	None	5.0	44.1	33.0	11.3	5.2	0.5	0.4	0.6	91.1	2,614	Gravel/sand	2.5 ± 0.39	7.3 ± 0.47	9.8
		Asahi Bridge	Sakura City	2014/6/11	Cloudy	13.0	0.3	15.2	3	Blackish brown	None	1.1	4.8	13.8	29.5	42.8	5.8	0.4	1.9	82.8	2,600	Sand/gravel	-5.4 ± 1.7	13 ± 2.7	13
				2014/5/27	Sunny	8.3	0.4	11.0	3	Olive black	None	3.8	9.3	8.1	18.8	52.5	5.6	0.3	1.8	81.5	2,611	Sand/gravel	-7.9 ± 2.2	11 ± 3.2	11
21	Nakagawa River System	Anakawa River	Mukada Bridge	2014/5/17	Sunny	26.1	0.3	16.1	8	Dark brown	None	0.6	40.0	25.2	21.7	10.1	0.4	0.6	0.0	85.5	2,604	Gravel/sand	20 ± 3.9	73 ± 6.0	100
				2014/6/18	Sunny	29.3	0.3	24.3	5	Blackish brown	None	0.3	42.6	22.5	22.5	5.6	16.0	4.3	0.5	7.6	85.5	2,610	Gravel/sand	42 ± 4.7	110 ± 7.2
		Nasu Karasuyama City	Egawa River	2014/5/7	Cloudy	12.5	0.2	12.5	5	Blackish brown	None	1.4	34.5	41.1	14.5	7.1	0.9	0.1	0.6	87.6	2,727	Gravel/sand	13 ± 2.3	50 ± 4.2	63
				2014/5/17	Sunny	5.6	0.2	6.1	3	Dark grayish yellow	None	0.0	33.1	25.1	18.6	18.2	2.7	0.1	1.1	81.3	2,601	Gravel/sand	26 ± 3.7	71 ± 6.1	97
22	Riwa River	Asahi Bridge	Sakura City	2014/5/17	Sunny	24.5	0.5	20.5	8	Dark brown	None	2.5	22.4	14.4	29.6	27.7	0.8	0.6	2.0	78.3	2,611	Sand/gravel	12 ± 2.8	42 ± 4.2	54
				2014/6/12	Cloudy	12.0	0.3	14.0	5	Dun yellowish brown	None	0.0	40.0	30.0	19.5	19.5	0.5	0.5	0.0	65.6	2,600	Siltsand	69 ± 6.0	200 ± 20	279
		Anakawa River	Tributary	2014/5/27	Sunny	8.0	0.3	9.5	3	Dark brown	None	0.0	19.2	24.0	16.5	29.6	8.5	0.9	1.4	81.5	2,795	Sand/gravel	8.3 ± 2.7	33 ± 3.9	41.2
				2014/5/19	Sunny	19.8	0.5	19.1	8	Dark brown	None	5.1	46.1	16.7	9.1	31.2	2.0	0.2	1.7	80.9	2,791	Sand/gravel	-7.6 ± 2.3	16 ± 2.8	16
23	Uchikawa River	Mukada Bridge	Nasu Karasuyama City	2014/6/16	Cloudy	26.5	0.5	23.8	4	Faint hydrogen sulfide	None	0.0	23.8	29.5	24.4	19.8	1.3	0.1	1.6	81.5	2,614	Sand/gravel	6.7 ± 2.0	10 ± 2.3	16
				2014/6/18	Sunny	22.7	0.3	21.8	4	Dun yellowish orange	None	0.0	22.1	21.6	18.4	19.9	3.8	0.6	0.6	80.3	2,792	Sand/gravel	22 ± 2.0	20 ± 2.0	20
		Egawa River	Tributary	2014/4/2	Sunny	34.1	0.6	26.2	5	Dark brown	None	3.8	15.1	14.5	5.8	21.4	7.7	0.9	0.9	81.9	2,708	Sand/gravel	11 ± 2.5	28 ± 3.5	39
				2014/4/9	Sunny	27.0	0.3	22.3	5	Dark olive brown	None	0.0	5.4	1.9	3.4	44.7	36.0	3.5	5.0	64.3	2,708	Sand/gravel	22 ± 4.4	51 ± 6.3	73
24	Kumogawa River System	Anakawa River	Tributary	2014/6/11	Cloudy	15.0	0.1	13.8	3	Dark grayish yellow	None	0.2	24.8	33.0	16.5	18.5	5.8	0.2	1.3	87.4	2,602	Sand/gravel	-5.5 ± 1.8	12 ± 2.3	12
				2014/5/26	Sunny	7.5	0.2	6.7	3	Olive black	None	0.0	19.1	27.6	28.4	19.0	4.3	0.6	1.3	85.5	2,660	Gravel/sand	7.8 ± 2.5	21 ± 3.6	21
		Yanishi River	Maeusa Bridge	2014/6/16	Sunny	24.1	0.6	23.1	5	Faint hydrogen sulfide	None	0.0	23.2	23.3	23.3	24.1	4.8	1.0	0.9	85.5	2,710	Sand/gravel	9.9 ± 2.1	21 ± 3.0	50
				2014/7/8	Sunny	27.4	0.6	24.6	4	Blackish brown	None	0.0	11.3	12.4	14.2	56.3	2.3	0.7	2.9	78.7	2,607	Sand/gravel	10 ± 2.3	26 ± 3.9	36
25	Tonogawa River System	Kinugawa River	Kawaji Daichi Power Station, front	2014/6/19	Sunny	30.5	0.3	24.0	5	Dun yellowish brown	None	0.0	11.2	22.4	18.2	24.1	4.8	1.0	0.9	85.5	2,710	Sand/gravel	11 ± 2.1	190 ± 50	250
				2014/6/20	Sunny	29.8	0.3	24.0	5	Dun yellowish brown	None	0.0	11.2	12.4	14.2	56.3	2.3	0.7	2.9	78.7	2,607	Sand/gravel	10 ± 2.3	26 ± 3.9	36
		Ojika River	Tributary	2014/5/29	Sunny	34.5	0.6	28.0	5	Dun yellowish brown	None	2.2	29.8	12.4	6.2	31.8	12.3	1.2	4.4	81.6	2,676	Sand/gravel	9.6 ± 2.4	28 ± 3.6	37.6
				2014/6/19	Sunny	27.2	0.4	24.5	5	Faint hydrogen sulfide	Fine drust	0.0	0.0	0.1	0.3	4.4	26.6	4.7	0.6	31.5	2,602	Silts	55 ± 14	200 ± 22	255
26	Kumogawa River System	Yanishi River	Tributary	2014/5/11	Cloudy	11.7	0.3	11.0	5	Blackish brown	None	0.0	22.1	26.0	18.1	18.0	4.0	0.5	0.5	85.5	2,720	Sand/gravel	7.8 ± 1.8	19 ± 2.0	20
				2014/5/16	Sunny	11.0	0.3	6.0	5	Blackish brown	None	0.0	20.0	22.6	17.0	21.1	4.3	0.5	0.5	85.5	2,720	Sand/gravel	9.5 ± 1.8	19 ± 2.0	20
		Kinugawa River	Kosagoe	2014/5/28	Sunny	20.9	0.4	16.0	5	Grayish olive	None	0.4	37.0	24.0	15.5	19.4	1.7	0.4	1.7	83.8	2,731	Gravel/sand	9.2 ± 1.6	21 ± 2.1	30.2
				2014/6/19	Sunny	30.5	0.3	24.0	5	Grayish olive	None	0.5	41.5	39.6	13.5	3.9	0.2	0.1	0.7	84.9	2,675	Gravel/sand	-6.3 ± 2.0	13 ± 3.5	13
27	Kumogawa River System	Ojika River	Tributary	2014/6/19	Sunny	9.8	0.3	12.0	5	Grayish olive	None	0.0	47.2	32.9	11.1	6.5	1.0	0.2	0.6	96.3	2,674	Gravel/sand	7.1 ± 1.0	17 ± 3.0	24.1
				2014/6/20	Sunny	1.2	0.3	2.3	3	Grayish olive	None	0.0	34.6	42.8	17.3	3.9	0.3	0.2	1.1	95.0	2,762	Gravel/sand	4.8 ± 2.1	13 ± 3.3	13
		Kinugawa River	Tributary	2014/5/20	Sunny	23.1	0.3	16.9	5	Blackish brown	None	0.0	26.0	21.1	12.1	12.1	4.5	0.6	0.6	84.5	2,714	Gravel/sand	10.1 ± 0.4	24.1	24.1
				2014/6/19	Sunny	27.0	0.1	20.0	3	Grey	None	0.0	18.6	5.3	8.6	53.7	10.3	1.1	2.6	83.9	2,695	Sand/gravel	3.4 ± 0.9	11 ± 0.50	14.4
28	Kumogawa River System	Kinugawa River	Tributary	2014/6/11	Sunny	9.3	0.4	17.9	2	Dark brown	None	0.0	40.7	26.5	15.8	14.3	1.0	0.5	1.2	88.0	2,603	Gravel/sand	-3.5 ± 0.20	11 ± 0.35	14.5
				2014/6/19	Sunny	9.3	0.4	22.0	5	Dark brown	None	0.0	40.4	36.1	15.8	14.4	1.0	0.5	0.6	84.9	2,605	Gravel/sand	-6.1 ± 1.0	14 ± 2.1	20
		Kinugawa River	Tributary	2014/6/11	Sunny	9.3	0.4	11.5	5	Grayish olive	None	0.0	27.5	42.4	20.8	7.7	0.6	0.1	1.0	89.9	2,661	Gravel/sand	-0.7 ± 1.8	20 ± 3.0	20
				2014/5/29	Sunny	-0.5	0.3	5.3	3	Dun yellowish orange	None	0.0	24.4	41.9	20.3	11.0	1.5	0.2	1.5	88.3	2,602	Gravel/sand	-7.2 ± 2.3	11 ± 2.9	11
		Kinugawa River	Tributary	2014/6/23</td																					

Tochigi River (Sediment) 4/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment										Property	Activity concentration [Bq/kg(dry)]	Remarks							
	Water area		Location					General items		Grain size distribution(%)				Sediment cont.		Density (g/cm³)											
	Sediment temperature (°C)	Sample length (cm)						Coarse gravel	Medium gravel	Fine sand	Silt	Clay	(%)														
29	Itaya River	Tributary	Nikkō City	2014/5/23	Sunny	19.3	0.2	17.4	5	Dark brown	None	1.0	47.2	28.5	13.7	1.1	0.0	79.9	2.701	Gravel/sand	15 ± 2.7 47 ± 4.4 62						
				2014/6/16	Sunny	26.2	0.4	16.6	3	Dark reddish brown	None	0.0	32.5	35.7	15.7	11.9	2.8	0.3	86.6	2.698	Gravel/sand	12 ± 2.6 29 ± 3.4 41					
				2014/6/18	Sunny	25.1	0.4	16.8	4	Dark reddish brown	None	0.0	2.4	14.7	31.3	40.2	5.7	1.1	4.7	74.7	2.662	Sand/gravel	19 ± 3.2 53 ± 5.0 72				
				2014/6/24	Sunny	25.1	0.4	16.8	4	Dark reddish brown	None	0.0	30.0	27.4	14.4	1.4	3.4	34.5	2.662	Gravel/sand	14 ± 2.5 39 ± 4.0 53						
				2014/9/9	Sunny	19.5	0.3	18.5	5	Dark brown	None	0.0	16.7	18.8	24.8	28.6	7.6	2.6	74.8	2.664	Gravel/sand	21 ± 3.0 54 ± 4.7 75					
				2014/11/17	Cloudy	7.0	0.3	7.3	3	Olive black	None	0.0	26.4	46.1	25.0	0.4	0.1	1.8	93.9	2.694	Gravel/sand	16 ± 2.7 39 ± 4.7 55					
				2015/2/10	Sunny	2.0	0.3	3.0	3	Olive brown	Faint clam	0.0	48.0	44.5	5.1	1.0	0.4	0.1	91.6	2.621	Gravel/sand	12 ± 3.1 35 ± 4.8 47					
				2014/5/30	Sunny	21.0	0.2	16.0	5	Dark brown	None	0.0	11.1	11.8	26.5	44.0	3.4	0.5	2.9	77.5	2.912	Gravel/sand	2.6 ± 0.36 7.8 ± 0.47 10.4				
				2014/6/10	Sunny	20.0	0.3	17.0	5	Dark brown	None	0.0	0.5	1.3	15.6	46.2	12.7	0.6	72.7	2.785	Sand/gravel	1.7 ± 0.3 34 ± 4.8 ± 0.45 ± 5.3					
				2014/11/14	Sunny	2.3	0.4	6.0	5	Blackish brown	None	0.0	2.2	5.5	25.3	58.1	3.0	0.6	4.6	72.7	2.785	Sand/gravel	1.7 ± 0.3 34 ± 4.8 ± 0.45 ± 5.3				
30	Yukawa River	Tributary	Nikkō City	2014/5/13	Sunny	-5.6	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground							
				2014/5/27	Sunny	22.1	0.3	10.0	5	Blackish brown	None	0.0	32.4	40.7	23.4	2.3	0.2	0.1	93.6	2.694	Gravel/sand	17.4 ± 2.1 12 ± 2.7 12					
				2014/8/21	Cloudy	24.0	0.2	16.0	5	Blackish brown	None	0.0	19.0	41.6	14.7	11.5	2.5	0.6	79.6	2.681	Gravel/sand	8.1 ± 2.3 20 ± 3.1 28.1					
				2014/9/14	Sunny	2.0	0.3	8.0	3	Blackish brown	None	0.0	9.2	42.3	32.0	10.0	1.2	0.6	2.6	72.7	2.711	Sand/gravel	2.0 ± 0.3 24 ± 3.1 31				
				2014/9/17	Sunny	4.2	0.3	7.0	3	Olive black	None	0.7	15.4	26.4	28.4	15.2	2.6	0.1	96.5	2.784	Gravel/sand	2.8 ± 2.7 36 ± 3.6 70					
				2014/9/25	Light rain	18.7	0.1	11.3	5	Faint hydrogen sulfide	None	2.1	18.9	33.3	34.3	8.0	0.6	2.8	82.6	2.693	Sand	49 ± 3.9 140 ± 7.0 189					
				2014/9/21	Cloudy	27.0	0.1	20.0	3	Faint hydrogen sulfide	None	0.0	44.5	45.0	7.8	1.7	0.6	0.0	94.8	2.698	Gravel/sand	40 ± 3.9 110 ± 6.3 150					
				2014/11/14	Sunny	7.2	0.1	10.0	5	Faint hydrogen sulfide	None	0.0	45.1	39.6	11.2	2.9	0.4	0.1	88.8	2.721	Gravel/sand	22 ± 3.9 86 ± 6.5 108					
				2014/11/22	Cloudy	7.2	0.1	10.0	5	Blackish brown	None	0.0	65.2	30.8	0.9	0.5	0.1	0.0	96.5	2.693	Gravel/sand	11 ± 2.6 56 ± 3.2 67					
				2014/9/4	Sunny	2.0	0.3	4.5	5	Blackish brown	None	0.0	0.0	1.6	19.4	29.1	18.4	1.0	0.0	96.5	2.711	Gravel/sand	7.7 ± 1.8 24 ± 2.9 31				
31	Daiya River	Shinkyo Bridge	Nikkō City	2014/9/26	Sunny	26.5	0.3	20.0	5	Blackish brown	None	0.0	11.6	15.4	38.9	31.6	0.2	2.9	83.5	2.711	Sand/gravel	4.0 ± 0.36 11 ± 0.50 15.0					
				2014/7/23	Cloudy	30.1	0.5	20.1	5	Blackish brown	None	1.2	14.9	26.3	29.4	2.9	1.9	1.1	2.4	81.8	2.782	Sand	49 ± 1.4 13 ± 2.0 13				
				2014/8/19	Sunny	31.5	0.3	21.5	5	Dark brown	None	1.8	40.7	18.6	16.0	5.4	0.2	1.3	82.8	2.766	Gravel/sand	2.5 ± 0.34 8.5 ± 0.45 11.0					
				2014/9/10	Sunny	20.0	0.3	18.0	3	Dark reddish brown	None	0.0	0.0	1.1	19.5	25.4	10.3	0.6	10.4	2.642	Sand/gravel	4.1 ± 0.45 15 ± 16.1					
				2014/11/27	Cloudy	8.2	0.3	8.3	3	Dark reddish brown	None	0.0	0.0	1.1	19.5	25.4	10.3	0.6	10.4	2.642	Sand/gravel	4.1 ± 0.45 15 ± 16.1					
				2015/2/10	Cloudy	8.2	0.2	9.0	3	Dark brown	None	0.0	5.9	23.8	37.0	27.6	4.5	0.0	3.1	80.9	2.698	Sand/gravel	2.7 ± 0.41 8.1 ± 0.57 10.8				
				2014/6/4	Sunny	27.0	0.2	18.0	5	Blackish brown	None	0.0	26.3	28.8	32.5	10.4	0.3	0.3	1.4	82.9	2.705	Sand	-8.2 ± 2.1 14 ± 2.7 14				
				2014/6/26	Sunny	20.0	0.4	17.0	10	Blackish brown	None	0.0	16.6	14.5	15.4	33.0	15.6	2.2	2.8	81.5	2.763	Sand/silt	0.94 ± 0.17 3.1 ± 0.23 4.04				
				2014/7/23	Cloudy	20.3	0.3	19.0	4	Dark brown	None	0.0	14.4	8.8	12.9	21.0	19.3	3.8	7.5	74.7	2.711	Gravel/sand	11 ± 2.6 56 ± 3.2 67				
				2014/8/19	Sunny	23.5	0.4	22.0	5	Dark brown	None	0.0	45.0	24.8	12.7	21.6	4.4	0.3	0.0	85.9	2.711	Gravel/sand	1.9 ± 1.40 6.2 ± 0.42 8.1				
32	Shidobuchi River	Sujichigai Bridge	Nikkō City	2014/9/10	Cloudy	23.5	0.4	18.5	5	Dark reddish brown	None	0.0	0.2	0.7	9.8	73.0	11.2	1.1	4.1	74.5	2.680	Sand	-0.5 ± 1.9 20 ± 3.2 20				
				2014/11/17	Cloudy	10.2	0.1	10.0	3	Dark reddish brown	None	0.0	0.0	0.5	8.4	83.7	4.5	0.7	2.3	76.2	2.751	Sand	3.0 ± 0.41 8.9 ± 0.52 11.9				
				2015/2/10	Sunny	8.0	0.2	8.0	3	Dark reddish brown	None	0.0	0.0	0.6	9.3	84.8	5.5	0.3	1.5	75.0	2.663	Sand	-9.2 ± 2.7 19 ± 3.9 19				
				2014/6/4	Sunny	23.8	0.2	14.3	5	Dark brown	Faint drift	2.8	36.4	33.7	11.6	27.4	5.2	1.6	85.5	2.783	Gravel/sand	10 ± 2.2 32 ± 3.4 32					
				2014/6/27	Cloudy	23.8	0.2	14.3	5	Dark brown	None	0.0	49.0	24.4	42.0	10.0	1.6	0.0	55.4	2.701	Gravel/sand	1.4 ± 1.53 53 ± 56					
				2014/11/18	Sunny	11.8	0.4	10.3	5	Dark brown	None	0.0	13.5	10.6	19.4	37.9	10.0	2.6	5.5	82.3	2.701	Gravel/sand	33 ± 4.4 75 ± 6.4 108				
				2015/2/17	Cloudy	5.5	0.3	6.5	3	Dark brown	None	0.0	17.4	38.1	27.9	13.7	2.0	0.3	0.7	84.5	2.699	Sand/gravel	-0.9 ± 2.5 18 ± 3.0 18				
				2014/6/19	Sunny	36.1	0.4	16.1	3	Olive black	None	0.0	21.3	15.6	20.3	32.7	6.3	1.2	2.0	81.5	2.660	Sand/gravel	2.9 ± 0.46 7.0 ± 0.50 9.9				
				2014/8/22	Sunny	30.0	0.2	24.0	3	Dark grayish yellow	None	0.0	12.0	12.9	11.8	66.7	2.4	2.4	0.0	80.4	2.662	Sand/gravel	7.0 ± 2.0 13 ± 3.1 13				
				2014/9/18	Sunny	11.0	0.3	11.0	3	Dark brown	None	0.0	1.6	1.4	1.5	25.1	2.3	2.4	0.0	76.0	2.714	Gravel/sand	1.4 ± 1.40 20 ± 2.1 21				
33	Kinugawa River	Kusogawa Bridge (Hotaka Temple)	Utsunomiya City	2014/5/18	Cloudy	23.5	0.3	6.5	5	Olive brown	None	0.0	17.6	13.5	13.6	44.2	8.8	1.0	1.4	85.0	2.714	Gravel/sand	1.5 ± 0.34 5.4 ± 0.41 6.9				
				2014/9/17	Cloudy	2.5	0.3	6.5	5	Olive brown	Dark olive	0.0	6.1	3.3	3.7	14.7	36.8	19.3	16.1	60.7	2.666	Sand	21 ± 4.7 74 ± 7.6 95				
				2014/6/19	Sunny	27.7	0.3	20.4	4	Brown	Faint clam	0.0	0.0	0.1	0.5	37.1	54.7	4.8	2.8	72.8	2.699	Sand	-0.95 ± 2.6 22 ± 4.3 22				
				2014/6/23	Cloudy	26.0	0.5	24.0	5	Faint hydrogen sulfide	Dark olive	0.0	0.0	0.1	0.5	36.8	19.3	16.1	60.7	2.666	Sand	21 ± 4.7 74 ± 7.6 95					
				2014/11/20	Cloudy	8.0	0.4	13.0	5	Dark brown	None	2.3	11.1	7.2	3.1	11.1	19.3	35.2	10.8	74.4	2.665	Sand/gravel	10 ± 3.2 33 ± 5.5 43				

Tochigi River (Sediment) 5/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment												Remarks						
	Water area		Location					General items			Grain size distribution(%)			Sediment content (%)			Density (g/cm³)			Activity concentration [Bq/kg(dry)]						
	Sediment temperature (°C)	Sample length (cm)	Color					Fine gravel	Fine sand	Coarse sand	Medium sand	Fine sand	Silt	Clay	Organic	Inorganic	Organic	Inorganic	Cs-134	Cs-137	Total					
38	Egawa River	Tributary	Shimotsuke City	2014/5/20	Sunny	27.8	0.3	22.3	10	Dark brown	None	12.2	51.9	15.9	10.4	1.2	0.8	84.7	2.705	Gravel/sand	11 ± 2.2	27 ± 2.8	38			
				2014/6/17	Sunny	28.2	0.2	19.8	2	Blackish brown	None	0.0	28.2	26.4	25.8	17.5	0.5	0.2	1.4	82.2	2.627	Sand/gravel	12 ± 2.5	34 ± 4.1	46	
				2014/7/1	Cloudy	28.1	0.6	22.3	4	Dark olive brown	None	0.0	2.6	3.7	19.3	86.6	2.2	0.8	2.9	74.3	2.681	Sand/gravel	8.0 ± 2.4	13 ± 2.9	13	
				2014/8/4	Sunny	30.1	0.3	24.8	6	Dark brown	None	0.0	30.1	20.3	14.8	29.0	0.0	0.4	2.4	88.3	2.668	Sand/gravel	8.5 ± 2.0	20 ± 2.6	26	
				2014/9/12	Sunny	28.8	0.3	21.5	5	Blackish brown	None	0.0	39.7	16.6	25.5	34.1	1.6	0.1	2.8	92.6	2.664	Sand/gravel	<0.71 ± 0.21	1.1 ± 0.2	1.1	
				2014/9/19	Cloudy	6.2	0.3	8.5	5	Blackish brown	None	0.0	8.1	4.1	22.4	58.2	4.7	0.4	2.3	77.5	2.663	Sand/gravel	<9.5 ± 2.7	19 ± 4.3	19	
				2014/9/23	Sunny	7.0	0.5	6.0	5	Dark grayish yellow	None	0.0	23.8	32.0	26.2	16.5	0.8	0.1	1.1	87.1	2.663	Gravel/sand	2.7 ± 0.27	11 ± 0.85	13.7	
39	Akabori River	Nikko City Hall, front	Nikko City	2014/5/23	Sunny	18.6	0.3	11.5	5	Blackish brown	None	0.0	11.5	32.4	36.3	14.5	1.3	0.2	3.9	78.2	2.663	Sand/gravel	51 ± 4.5	140 ± 7.3	191	
				2014/6/10	Sunny	20.0	0.1	19.0	5	Blackish brown	None	0.0	2.5	22.8	31.1	19.1	0.5	0.1	0.1	80.3	2.629	Gravel/sand	40 ± 3.7	110 ± 5.0	120	
				2014/6/14	Sunny	5.7	0.1	8.5	5	Blackish brown	None	0.0	15.7	28.9	16.7	29.7	0.6	0.1	2.1	78.5	2.621	Sand/gravel	11 ± 2.5	20 ± 2.5	20	
				2014/5/13	Sunny	1.5	0.2	5.5	5	Blackish brown	None	0.0	27.7	31.9	20.3	17.2	2.4	0.0	0.6	84.8	2.814	Gravel/sand	29 ± 3.5	88 ± 5.6	117	
				2014/5/23	Cloudy	16.2	0.1	15.0	5	Blackish brown	None	0.0	30.3	7.9	18.8	37.7	5.5	0.8	3.0	79.5	2.669	Sand/gravel	12 ± 2.3	36 ± 3.9	48	
40	Kiwadajima	Kingawa River System	Tagawa River	2014/8/22	Cloudy	28.0	0.2	20.0	5	Dark brown	None	0.0	32.7	28.1	13.5	26.2	7.0	0.0	1.1	80.6	2.988	Gravel/sand	11 ± 2.9	30 ± 4.4	41	
				2014/8/17	Sunny	11.0	0.1	11.0	5	Dark brown	None	0.0	45.4	27.3	16.0	16.8	3.8	0.0	0.1	87.6	2.890	Gravel/sand	12 ± 2.0	26 ± 2.6	26	
				2014/5/13	Cloudy	5.7	0.3	6.0	5	Olive black	None	0.0	24.0	26.3	18.0	14.5	1.0	0.2	0.2	82.9	2.629	Gravel/sand	8.3 ± 2.3	25 ± 3.6	25	
				2014/5/13	Sunny	25.2	0.4	19.0	5	Blackish brown	Fair class	0.5	15.6	11.2	23.8	44.0	2.4	0.8	1.6	84.3	2.668	Sand/gravel	8.9 ± 2.2	20 ± 3.0	28.9	
				2014/6/13	Sunny	21.9	0.5	19.5	5	Dark brown	None	0.7	49.1	19.7	11.3	16.7	1.0	0.4	1.0	86.1	2.629	Gravel/sand	<7.1 ± 2.1	12 ± 2.4	12	
41	Tonegawa River System	Usunomiya City	Tagawa River	2014/7/9	Cloudy	21.7	0.6	17.3	2	Dark brown	None	0.0	0.2	0.3	1.8	75.5	18.5	0.5	3.2	70.4	2.666	Sand	7.6 ± 1.9	27 ± 2.8	34.6	
				2014/5/29	Cloudy	20.0	0.1	22.0	5	Dark brown	None	0.0	41.1	19.1	1.6	77.8	1.1	0.0	0.6	87.4	2.621	Gravel/sand	8.4 ± 2.2	12 ± 2.2	22	
				2014/5/24	Sunny	24.5	0.1	20.8	5	Dark brown	Fair class	0.0	21.6	26.4	25.5	23.1	0.1	0.2	0.2	85.9	2.621	Gravel/sand	4.3 ± 1.2	13 ± 2.0	17.1	
				2014/11/18	Cloudy	12.0	0.2	12.5	5	Dark brown	Fair class	0.0	23.4	29.8	27.0	18.4	0.0	0.3	0.7	86.3	2.749	Gravel/sand	<7.3 ± 1.9	14 ± 3.0	14	
				2014/5/17	Cloudy	6.0	0.3	8.5	5	Dark brown	None	0.0	2.1	3.3	20.4	67.4	3.8	0.8	2.4	78.3	2.669	Sand/gravel	<5.5 ± 1.7	16 ± 2.0	16	
42	Tagawa River	Kamagawa River	Meiji Bridge	2014/5/16	Sunny	21.8	0.3	18.3	8	Blackish brown	None	1.4	46.6	23.3	15.7	10.4	1.0	0.1	1.3	78.5	2.623	Gravel/sand	22 ± 3.0	59 ± 4.8	81	
				2014/8/22	Cloudy	30.9	0.2	30.0	5	Extremely dark brown	None	0.0	45.2	30.4	12.6	7.6	1.4	0.0	0.6	86.9	2.669	Gravel/sand	18 ± 3.8	89 ± 7.0	107	
				2014/8/18	Sunny	13.5	0.1	13.5	5	Blackish brown	None	0.0	28.3	26.1	16.0	20.6	4.5	0.5	0.1	85.3	2.623	Gravel/sand	10 ± 2.6	40 ± 4.1	46	
				2015/2/17	Cloudy	5.5	0.1	10.0	5	Dam yellowish brown	None	0.0	28.1	32.5	21.1	14.0	2.4	1.2	0.7	80.2	2.635	Gravel/sand	11 ± 2.5	29 ± 3.8	40	
				2014/5/16	Sunny	24.3	0.3	20.5	5	Blackish brown	Dark olive	4.0	33.0	12.0	10.9	5.2	0.8	2.1	79.3	2.658	Sand/gravel	2.5 ± 0.29	5.9 ± 0.35	8.4		
43	Tagawa River	Kamikawa Bridge	Meiji Bridge	2014/8/23	Cloudy	30.0	0.1	26.0	5	Dark brown	None	0.0	40.8	24.5	4.8	5.7	1.3	0.3	0.4	85.4	2.647	Gravel/sand	9.6 ± 2.7	17 ± 3.4	17	
				2014/5/20	Cloudy	5.1	0.1	11.0	5	Dark brown	None	0.0	47.4	32.1	12.0	5.6	0.0	0.7	0.7	88.1	2.629	Gravel/sand	12 ± 2.4	21 ± 2.4	24	
				2015/2/13	Sunny	5.0	0.1	10.9	5	Olive black	None	0.0	40.9	32.3	10.4	9.0	0.0	0.0	0.0	82.9	2.644	Gravel/sand	2.6 ± 0.20	8.1 ± 0.36	10.1	
				2014/5/16	Sunny	24.5	0.4	22.4	5	Blackish brown	None	1.7	50.9	20.9	14.4	9.9	1.1	0.4	0.8	87.8	2.706	Gravel/sand	13 ± 2.3	29 ± 3.2	42	
				2014/8/23	Sunny	32.2	0.6	26.8	7	Dark grayish yellow	None	0.0	22.7	20.7	16.5	24.4	7.6	3.8	4.3	77.6	2.668	Sand/gravel	15 ± 3.2	42 ± 5.0	57	
44	Yanabashi Bridge	Oyama City	Kurokawa River	2014/11/20	Cloudy	11.0	0.5	12.0	5	Dark brown	None	0.0	24.0	30.3	20.7	20.8	2.3	1.0	1.3	75.5	2.675	Sand/gravel	18 ± 3.5	56 ± 5.7	74	
				2014/5/29	Sunny	11.8	0.2	10.0	5	Dark brown	None	0.0	23.1	22.5	16.9	28.8	7.3	0.1	0.9	86.1	2.721	Gravel/sand	6.9 ± 2.1	27 ± 4.1	27	
				2014/5/15	Sunny	20.9	0.1	12.4	5	Dark brown	None	0.0	25.4	26.7	12.4	20.5	0.5	0.1	0.1	82.6	2.629	Gravel/sand	2.1 ± 0.2	10 ± 1.0	10	
				2014/8/9	Cloudy	26.5	0.2	23.2	5	Dark olive brown	None	1.1	35.9	24.7	19.5	14.3	2.4	0.5	1.4	81.4	2.629	Gravel/sand	<8.6 ± 2.4	14 ± 2.8	14	
				2014/11/19	Sunny	10.5	0.3	11.5	3	Grayish olive	None	0.0	21.0	11.0	25.3	40.5	0.7	0.1	1.6	79.6	2.671	Sand/gravel	2.9 ± 0.39	8.5 ± 0.51	11.4	
45	Watanabe River Area	Omori River	Kurokawa River	2014/6/17	Sunny	6.1	0.2	8.3	5	Olive black	None	0.0	27.5	38.4	20.5	11.1	1.3	0.2	1.1	89.5	2.675	Gravel/sand	2.1 ± 0.26	6.6 ± 0.33	8.7	
				2014/5/20	Cloudy	6.1	0.2	8.3	5	Dark brown	None	0.0	27.5	38.4	20.5	17.4	2.2	0.6	1.0	85.5	2.665	Gravel/sand	2.1 ± 0.30	5.8 ± 0.31	8.1	
				2014/5/25	Sunny	22.9	0.1	21.0	5	Dark yellowish brown	None	0.0	43.6	34.3	12.0	1.1	1.0	0.0	0.0	94.9	2.629	Gravel/sand	<0.98 ± 0.08	0.45 ± 0.45	2.3	
				2014/11/21	Sunny	8.0	0.2	14.0	5	Dark brown	None	0.0	52.5	20.7	7.3	16.9	2.0	0.2	0.4	88.5	2.666	Gravel/sand	<0.88 ± 0.26	2.0 ± 0		

Tochigi River (Sediment) 6/6

No.	Location				Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment										Property	Activity concentration [Bq/kg(dry)]	Remarks						
	Water area			Location					Sediment temperature (°C)		Sediment length (cm)	Color	Odor	General items				Grain size distribution(%)			Sediment cont.						
														Fine gravel	Medium gravel	Fine sand	Coarse sand	Medium sand	Fine sand	Silt	Clay	(%)	Density (g/cm³)				
49				Tamotsu Bridge	Tochigi City	2014/6/3	Sunny	25.1	0.1	21.5	5	Dark brown	None	0.0	32.7	43.2	18.5	4.6	0.1	0.8	87.9	2.672	Gravel/sand	2.3 ± 0.23	6.6 ± 0.28	8.9	
						2014/6/9	Cloudy	25.8	0.2	24.0	5	Blackish brown	None	1.9	33.1	21.6	20.1	2.4	0.1	1.4	84.6	2.658	Gravel/sand	1.2 ± 0.31	4.5 ± 0.38	5.7	
						2014/6/21	Sunny	10.8	0.2	12.5	5	Olive black	None	0.0	0.7	18.0	68.7	6.9	0.3	0.6	5.2	86.2	2.659	Gravel/sand	<0.81 ± 0.22	2.3 ± 0.19	2.3
						2014/6/29	Sunny	10.9	0.2	12.4	5	Dark brown	None	0.0	18.6	40.7	21.4	8.0	0.4	0.5	86.4	2.659	Gravel/sand	0.2 ± 0.24	2.0 ± 0.53	5.5	
50				Omoi River	Omoi River	2014/5/20	Sunny	26.5	0.3	28.1	6	Dark brown	None	8.1	45.4	18.1	17.9	16.3	0.1	0.3	55.1	2.700	Gravel/sand	6.1 ± 1.7	15 ± 2.4	21.1	
						2014/6/17	Sunny	24.1	0.3	20.3	3	Dim yellowish orange	Faint drab	0.0	0.0	0.0	0.0	6.3	65.9	13.9	13.9	65.8	2.603	Sand/silt	<9.5 ± 3.2	43 ± 5.2	43
						2014/6/19	Cloudy	27.7	0.8	20.2	3	Dim yellowish orange	None	0.0	0.0	0.1	0.1	7.0	69.1	10.9	12.8	66.3	2.655	Sand/silt	18 ± 3.5	47 ± 5.1	65
						2014/6/25	Cloudy	26.3	0.3	24.0	5	Faint hydrogen sulfide	Faint drab	1.6	36.9	21.3	5.1	3.2	2.2	9.1	59.3	2.668	Silt/gravel	160 ± 11	380 ± 17	540	
51				Otome-ohashi Bridge	Oyama City	2014/6/24	Sunny	23.9	0.2	21.0	5	Dark brown	None	0.0	28.8	44.8	14.8	10.0	2.0	2.4	85.7	2.666	Silt/gravel	17 ± 0.52	24 ± 0.42	6.9	
						2014/6/21	Sunny	12.5	0.2	14.0	5	Grayish olive	None	0.0	12.0	10.0	0.4	0.4	0.2	0.2	7.6	85.3	2.616	Sand/silt	2.3 ± 0.25	8.0 ± 0.36	10.4
						2014/5/19	Sunny	8.0	0.2	8.0	2	Olive brown	None	0.7	30.1	28.0	10.8	19.5	9.4	0.6	1.0	89.3	2.762	Gravel/sand	1.3 ± 0.25	4.3 ± 0.33	5.6
						2014/5/26	Cloudy	21.5	0.7	21.5	5	Faint hydrogen sulfide	None	0.0	0.0	0.1	0.1	2.7	65.2	12.6	19.4	50.2	2.576	Silt	45 ± 6.6	150 ± 11	195
52				Uzuma River Area	Uzuma River	2014/6/17	Sunny	24.8	0.8	21.8	2	Olive black	None	11.2	30.6	11.4	3.6	7.8	8.5	15.6	66.5	2.617	Silt/sand	1.6 ± 0.43	4.3 ± 0.48	5.9	
						2014/6/19	Cloudy	26.1	0.0	21.0	2	Yellowish brown	None	0.0	0.0	0.2	0.2	4.2	54.9	30.6	20.0	59.2	2.600	Silt	29 ± 4.7	100 ± 15	115
						2014/6/28	Cloudy	25.5	0.5	26.5	5	Faint hydrogen sulfide	None	0.0	28.1	9.3	9.2	25.3	1.0	0.0	0.0	74.5	2.651	Silt/gravel	21 ± 1.1	61 ± 5.4	82
						2014/9/12	Sunny	23.5	1.0	22.5	5	Dark brown	None	0.0	23.3	19.6	9.6	13.4	12.7	8.0	76.3	2.665	Sand/gravel	13 ± 2.9	56 ± 4.9	69	
53				Watarase River System	Watarase River Area	2014/6/11	Sunny	11.5	0.5	15.2	5	Dark brown	None	0.0	0.8	0.5	0.7	3.6	25.3	36.4	32.8	60.2	2.603	Sand/silt	27 ± 4.6	130 ± 8.7	157
						2014/6/19	Sunny	10.8	1.0	9.0	1	Brown	None	7.4	7.5	1.7	1.3	9.2	17.5	30.8	24.7	49.5	2.597	Silt/sand	33 ± 6.5	83 ± 10	116
						2014/6/20	Sunny	10.7	0.0	10.5	5	Grayish olive	None	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	Gravel/sand	9.2 ± 2.1	23 ± 2.3	23
						2014/6/25	Cloudy	25.3	0.4	18.8	5	Dark brown	None	0.0	41.4	27.7	22.4	15.3	1.0	0.0	0.0	80.3	2.666	Gravel/sand	9.1 ± 2.1	23 ± 2.3	23
54				Hajika Bridge	Ashikaga City	2014/6/25	Sunny	25.3	0.4	21.8	5	Dark brown	None	0.0	10.2	11.5	21.9	42.1	1.7	0.8	0.0	2.0	2.671	Sand/gravel	24 ± 1.5	66 ± 5.1	90
						2014/7/23	Sunny	29.4	0.3	16.9	5	Grayish olive	None	0.6	19.5	46.5	22.3	8.9	0.7	0.3	1.4	88.3	2.676	Gravel/sand	7.5 ± 1.6	18 ± 2.4	25.5
						2014/8/19	Sunny	29.9	0.6	20.5	6	Olive brown	None	0.0	27.3	31.3	24.4	14.8	0.8	0.1	1.3	92.4	2.682	Gravel/sand	-0.1 ± 1.9	15 ± 2.5	15
						2014/9/10	Cloudy	21.5	0.5	16.3	5	Faint hydrogen sulfide	None	0.0	36.3	34.9	24.0	12.2	0.8	0.3	1.6	81.6	2.673	Gravel/sand	6.6 ± 2.0	13 ± 2.6	19.6
55				Nakabashi Bridge	Watarase River Area	2014/6/19	Sunny	12.4	0.3	9.0	3	Dark brown	None	14.2	16.6	14.4	25.5	26.7	1.7	0.2	0.0	78.3	2.653	Gravel/sand	9.4 ± 3.0	38 ± 3.6	18
						2014/6/22	Sunny	12.2	0.4	9.0	3	Dark brown	None	14.0	16.4	14.4	20.3	20.3	1.7	0.2	0.0	78.3	2.653	Gravel/sand	11 ± 3.0	38 ± 3.6	28
						2014/6/20	Sunny	28.2	0.3	18.9	7	Blackish brown	None	0.6	47.0	27.4	12.3	10.7	1.1	0.2	0.7	89.0	2.741	Sand/gravel	3.1 ± 0.35	6.7 ± 0.43	9.8
						2014/6/29	Cloudy	23.5	0.3	22.3	5	Blackish brown	None	1.5	46.4	27.1	13.5	9.4	1.2	0.0	1.0	84.6	2.795	Gravel/sand	-4.6 ± 1.5	15 ± 2.8	15
56				Shinkai Bridge	Tochigi City	2014/6/11	Sunny	11.0	0.5	11.0	5	Olive black	None	0.0	24.6	26.4	23.3	23.8	0.6	0.2	1.1	84.5	2.781	Sand/gravel	1.6 ± 0.32	4.6 ± 0.42	6.2
						2014/6/13	Sunny	10.9	0.3	10.5	5	Dark brown	None	0.0	20.0	20.0	16.3	16.3	0.5	0.0	0.0	85.5	2.792	Gravel/sand	-0.5 ± 1.4	11 ± 2.4	11
						2014/6/29	Sunny	23.7	0.3	25.0	5	Blackish brown	None	0.0	20.0	24.1	16.5	16.5	0.5	0.0	0.0	82.9	2.680	Sand/gravel	-0.2 ± 2.2	10 ± 2.4	10
						2014/6/20	Sunny	23.0	0.3	22.0	5	Blackish brown	None	0.0	44.6	40.7	11.5	18.5	12.0	1.5	1.8	79.5	2.829	Gravel/sand	2.0 ± 0.32	5.2 ± 0.37	7.2
57				Tatebayashi Bridge	Tatebayashi City	2014/6/11	Sunny	22.1	0.3	22.1	5	Faint hydrogen sulfide	None	0.0	0.7	1.7	13.7	67.2	11.3	2.3	4.3	78.7	2.796	Sand	-8.0 ± 2.6	17 ± 3.7	17
						2014/6/29	Sunny	14.0	0.1	13.2	5	Yellowish gray	None	0.0	12.0	24.1	26.5	33.9	1.5	0.0	2.0	86.1	2.715	Sand/gravel	-7.6 ± 2.2	12 ± 2.9	12
						2015/2/3	Sunny	9.8	0.3	7.0	6	Grayish olive	None	0.0	2.7	9.9	18.6	46.3	20.6	0.5	1.5	80.2	2.748	Sand/gravel	1.5 ± 0.27	4.4 ± 0.30	5.9
						2014/6/4	Cloudy	25.3	0.6	26.5	5	Faint hydrogen sulfide	None	0.0	0.7	1.7	13.7	67.2	11.3	2.3	4.3	78.7	2.796	Sand	-8.0 ± 2.6	17 ± 3.7	17
58						2014/6/26	Sunny	23.5	0.6	22.0	5	Faint hydrogen sulfide	None	0.0	4.8	21.8	18.9	37.0	13.5	0.7	3.5	83.8	2.792	Gravel/sand	1.1 ± 0.24	2.6 ± 0.51	5.8
						2014/6/28	Sunny	12.2	0.3	12.2	5	Blackish brown	None	0.0	27.0	27.0	11.5	11.5	0.5	0.0	0.0	86.5	2.745	Sand/gravel	1.2 ± 0.58	4.5 ± 1.7	7
						20																					

Tochigi River (Surrounding Environment) 1/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil/Air dose)															Remarks			
							Left bank			Right bank															
							Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Cs-134	Cs-137	Total	Air Dose (µSv/h)	Color	Odor	Property	Activity concentration [Bq/kg(dry)]			Air Dose (µSv/h)		
										Cs-134	Cs-137	Total							Cs-134	Cs-137	Total				
R i v e r s	Nakagawa River System	Nasushiobara City	Ikuyobashishita	2014/6/2	Sunny	28.8	-	-	-	-	-	-	Brownish gray	faint earth	Loamy	140 ± 9.6	400 ± 16	540	0.11	Left bank/Unable to collect samples due to privately owned land					
				2014/8/6	Sunny	25.0	-	-	-	-	-	-	Blackish brown	faint earth	Loamy	200 ± 13	610 ± 21	810	0.12	Left bank/Unable to collect samples due to privately owned land					
				2014/11/4	Cloudy	6.0	-	-	-	-	-	-	Blackish brown	faint earth	Loamy	400 ± 18	1,100 ± 32	1,500	0.12	Left bank/Unable to collect samples due to privately owned land					
				2015/2/2	Light snow	-2.8	-	-	-	-	-	-	Blackish brown	faint earth	Loamy	-	-	-	-	Double to collect samples due to snow on the ground					
				2014/5/22	Sunny	20.5	Dark brown	faint earth	Loamy	1,500 ± 39	4,300 ± 66	5,800	0.19	Dim reddish brown	faint earth	Loamy	490 ± 21	1,300 ± 35	1,790	0.22					
		Nasu Town	Komei Bridge	2014/8/6	Sunny	30.3	Blackish brown	faint earth	Loamy	690 ± 25	2,100 ± 45	2,790	0.23	Dim reddish brown	faint earth	Loamy	330 ± 18	970 ± 30	1,300	0.24					
				2014/11/4	Sunny	10.0	Blackish brown	faint earth	Loamy	1,800 ± 50	5,400 ± 90	7,200	0.20	Dark brown	faint earth	Loamy	460 ± 24	1,400 ± 44	1,860	0.26					
				2015/2/2	Cloudy	-2.0	Dim yellowish brown	faint earth	Loamy	310 ± 22	990 ± 38	1,300	0.23	Dark brown	faint earth	Loamy	180 ± 15	680 ± 29	860	0.21					
				2014/5/22	Sunny	22.0	Blackish brown	faint earth	Loamy	240 ± 14	700 ± 23	940	0.18	Dark brown	faint earth	Loamy	1,700 ± 52	4,500 ± 87	6,200	0.23					
				2014/8/6	Sunny	27.5	Blackish brown	faint earth	Loamy	480 ± 20	1,400 ± 35	1,880	0.20	Dark reddish brown	faint earth	Loamy	530 ± 27	1,800 ± 50	2,330	0.22					
R i v e r s	Nakagawa River System	Takaomata River	Takaomata Bridge	2014/11/4	Sunny	9.0	Blackish brown	faint earth	Loamy	290 ± 17	1,000 ± 32	1,290	0.20	Extremely dark brown	faint earth	Loamy	630 ± 34	1,800 ± 57	2,430	0.25					
				2015/2/2	Sunny	-0.3	Dim yellowish brown	faint earth	Loamy	510 ± 28	1,800 ± 53	2,310	0.19	Blackish brown	faint earth	Loamy	640 ± 37	2,100 ± 70	2,740	0.21					
				2014/5/22	Sunny	18.5	Blackish brown	faint earth	Loamy	220 ± 14	680 ± 24	900	0.21	Blackish brown	faint earth	Loamy	510 ± 22	1,500 ± 37	2,010	0.21					
				2014/8/6	Sunny	25.9	Dark brown	faint earth	Loamy	330 ± 18	1,000 ± 32	1,330	0.35	Dim yellowish brown	faint earth	Loamy	870 ± 31	2,600 ± 54	3,470	0.24					
				2014/11/4	Sunny	9.6	Blackish brown	faint earth	Loamy	630 ± 30	2,000 ± 54	2,630	0.28	Blackish brown	faint earth	Loamy	710 ± 31	2,000 ± 54	2,710	0.21					
		Nasushiobara City/Nasu Town	Kamikuroiso	2014/5/22	Sunny	24.5	Dark brown	faint earth	Loamy	210 ± 20	690 ± 34	900	0.22	Dark brown	faint earth	Loamy	310 ± 16	870 ± 27	1,180	0.15					
				2014/6/13	Sunny	25.8	Dark brown	faint earth	Loamy	380 ± 28	1,100 ± 48	1,480	0.23	Dim reddish brown	faint earth	Loamy	410 ± 20	1,200 ± 35	1,610	0.23					
				2014/7/8	Sunny	26.9	Brown	faint earth	Loamy	290 ± 25	880 ± 46	1,170	0.24	Yellowish brown	faint earth	Loamy	570 ± 24	1,600 ± 41	2,170	0.23					
				2014/8/6	Cloudy	29.6	Dark brown	faint earth	Loamy	500 ± 28	1,600 ± 50	2,100	0.23	Dark grayish yellow	faint earth	Loamy	450 ± 18	1,400 ± 31	1,850	0.28					
				2014/9/8	Cloudy	22.0	Extremely dark reddish brown	faint earth	Loamy	260 ± 22	850 ± 39	1,110	0.23	Blackish brown	faint earth	Loamy	460 ± 19	1,400 ± 35	1,860	0.24					
R i v e r s	Nakagawa River System	Nasu Town	Yukawa River	2014/4/16	Sunny	19.2	Blackish brown	faint earth	Loamy	510 ± 36	1,800 ± 68	2,310	0.22	Blackish brown	faint earth	Loamy	890 ± 33	2,900 ± 62	3,790	0.24					
				2015/2/3	Sunny	1.0	Dark brown	faint earth	Loamy	280 ± 26	970 ± 48	1,250	0.20	Dark brown	faint earth	Loamy	260 ± 17	970 ± 32	1,230	0.22					
				2014/5/31	Sunny	23.9	Blackish brown	faint earth	Loamy	2,600 ± 45	7,200 ± 76	9,800	0.33	Dim yellowish brown	faint earth	Loamy	860 ± 25	2,500 ± 43	3,360	0.22					
				2014/8/20	Sunny	28.4	Blackish brown	faint earth	Loamy	4,800 ± 82	15,000 ± 150	19,800	0.43	Blackish brown	faint earth	Loamy	780 ± 30	2,300 ± 54	3,080	0.23					
				2014/11/6	Sunny	17.8	Blackish brown	faint earth	Loamy	5,900 ± 94	18,000 ± 170	23,900	0.39	Dark brown	faint earth	Loamy	830 ± 29	2,600 ± 52	3,430	0.22					
		Kunokawa River	Shinden Bridge	2015/2/3	Sunny	1.0	Dark brown	faint earth	Loamy	310 ± 17	1,100 ± 33	1,410	0.41	Dim yellowish brown	faint earth	Loamy	98 ± 9.2	310 ± 16	408	0.23					
				2014/5/31	Sunny	25.5	Blackish brown	faint earth	Loamy	870 ± 28	2,500 ± 47	3,370	0.31	Blackish brown	faint earth	Loamy	1,200 ± 29	3,400 ± 50	4,600	0.24					
				2014/8/20	Sunny	28.8	Blackish brown	faint earth	Loamy	620 ± 29	1,800 ± 52	2,420	0.39	Blackish brown	faint earth	Loamy	650 ± 29	2,000 ± 51	2,650	0.29					
				2014/11/6	Sunny	23.1	Dark brown	faint earth	Loamy	2,800 ± 63	8,600 ± 110	11,400	0.38	Dark brown	faint earth	Loamy	790 ± 31	2,500 ± 56	3,290	0.26					
				2015/2/3	Sunny	3.8	Dim yellowish brown	faint earth	Loamy	700 ± 28	2,400 ± 47	3,100	0.30	Blackish brown	faint earth	Loamy	600 ± 25	2,200 ± 50	2,800	0.27					
R i v e r s	Nakagawa River System	Otawara City	Yosasa River	2014/5/22	Cloudy	23.0	Dark brown	faint earth	Loamy	390 ± 19	1,200 ± 33	1,590	0.20	Dark brown	faint earth	Loamy	700 ± 26	1,800 ± 42	2,500	0.30					
				2014/6/13	Sunny	21.8	Blackish brown	faint earth	Loamy	370 ± 22	1,200 ± 39	1,570	0.24	Extremely dark brown	faint earth	Loamy	540 ± 29	1,600 ± 50	2,140	0.25					
				2014/7/8	Sunny	27.4	Dim yellowish brown	faint earth	Loamy	540 ± 30	1,500 ± 49	2,040	0.22	Dim yellowish brown	faint earth	Loamy	570 ± 32	1,600 ± 53	2,170	0.32					
				2014/8/20	Cloudy	28.0	Blackish brown	faint earth	Loamy	490 ± 28	1,500 ± 49	1,990	0.20	Dark brown	faint earth	Loamy	490 ± 28	1,400 ± 49	1,890	0.34					
				2014/9/11	Cloudy	23.3	Blackish brown	faint earth	Loamy	460 ± 24	1,500 ± 43	1,960	0.21	Faint hydrogen sulfide	faint earth	Loamy	690 ± 30	2,000 ± 53	2,690	0.23					
		Kurobane	Kawada Bridge	2014/11/6	Sunny	21.2	Dark brown	faint earth	Loamy	530 ± 29	1,700 ± 52	2,230	0.22	Dark brown	faint earth	Loamy	620 ± 32	1,900 ± 58	2,520	0.30					
				2015/2/3	Sunny	4.0	Blackish brown	faint earth	Loamy	200 ± 16	710 ± 30	910	0.23	Brown	faint earth	Loamy	440 ± 27	1,500 ± 51	1,940	0.33					
				2014/5/31	Sunny	28.2	Dark brown	faint earth	Loamy	450 ± 21	1,400 ± 36	1,850	0.15	Dark brown	faint earth	Loamy	200 ± 14	530 ± 24	730	0.10					
				2014/6/23	Sunny	27.2	Dark brown	faint earth	Loamy	160 ± 15	410 ± 25	570	0.15	Blackish brown	faint earth	Loamy	220 ± 18	700 ± 31	920	0.10					
				2014/7/15	Sunny	30.5	Blackish brown	faint earth	Loamy	200 ± 12	530 ± 20	730	0.14	Blackish brown	faint earth	Loamy	130 ± 11	400 ± 19	530	0.09					
9	Nakagawa River	Yosasa River	Kurobane	2014/8/20	Sunny	31.8	Dark brown	faint earth	Loamy	310 ± 22	980 ± 39	1,290	0.15	Blackish brown	faint earth	Loamy	190 ± 17	620 ± 31	810	0.10					
				2014/9/11	Cloudy	21.1	Dark brown	faint earth	Loamy	340 ± 20	1,000 ± 35	1,340	0.15	Blackish brown	faint earth	Loamy	260 ± 17	790 ± 29	1,050	0.11					
				2014/11/7	Sunny	13.9	Dark brown	faint earth	Loamy	220 ± 21	720 ± 36	940	0.14	Blackish brown	faint earth	Loamy	280 ± 22	960 ± 39	1,240	0.11					
				2015/2/5	Cloudy	4.2	Dark brown	faint earth	Loamy	150 ± 17	580 ± 31	730	0.16	Blackish brown	faint earth	Loamy	34 ± 11	250 ± 20	304	0.12					

Tochigi River (Surrounding Environment) 2/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil/Air dose)												Remarks		
							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)	
										Cs-134	Cs-137	Total					Cs-134	Cs-137	Total		
10	Matsuba River	Tributary	Otawara City	2014/5/31	Sunny	27.6	Yellowish brown	faint earth	Loamy	140 ± 11	390 ± 18	530	0.12	Dark brown	faint earth	Loamy	340 ± 20	940 ± 33	1,280	0.15	
				2014/6/23	Sunny	28.1	Blackish brown	faint earth	Loamy	180 ± 18	470 ± 30	650	0.12	Blackish brown	faint earth	Loamy	150 ± 17	410 ± 27	560	0.13	
				2014/7/15	Sunny	31.0	Blackish brown	faint earth	Loamy	50 ± 9.6	180 ± 15	230	0.14	Blackish brown	faint earth	Loamy	230 ± 18	760 ± 32	990	0.13	
				2014/8/20	Sunny	32.2	Blackish brown	faint earth	Sandy	160 ± 17	540 ± 30	700	0.13	Dark brown	faint earth	Loamy	450 ± 28	1,300 ± 50	1,750	0.16	
				2014/9/11	Cloudy	21.3	Blackish brown	faint earth	Loamy	190 ± 17	520 ± 28	710	0.12	Blackish brown	faint earth	Loamy	83 ± 12	240 ± 19	323	0.14	
				2014/1/7	Cloudy	13.5	Blackish brown	faint earth	Loamy	190 ± 19	630 ± 35	820	0.12	Blackish brown	faint earth	Loamy	120 ± 16	510 ± 31	630	0.17	
				2015/2/5	Cloudy	5.0	Blackish brown	faint earth	Loamy	73 ± 12	240 ± 21	313	0.14	Blackish brown	faint earth	Loamy	57 ± 14	210 ± 21	267	0.12	
				2014/6/2	Sunny	27.7	Dim yellowish brown	faint earth	Loamy	150 ± 11	490 ± 19	640	0.12	Blackish brown	faint earth	Loamy	87 ± 9.0	230 ± 15	317	0.11	
				2014/8/28	Cloudy	21.0	Extremely dark brown	faint earth	Loamy	170 ± 15	540 ± 28	810	0.10	Blackish brown	faint earth	Loamy	110 ± 11	290 ± 19	400	0.08	
				2014/11/7	Sunny	13.8	Dark brown	faint earth	Loamy	160 ± 15	420 ± 26	580	0.10	Blackish brown	faint earth	Loamy	120 ± 13	350 ± 22	470	0.10	
11	Sabigawa River	Udagawa Bridge		2015/2/14	Sunny	3.5	Blackish brown	faint earth	Loamy	200 ± 13	700 ± 25	900	0.11	Blackish brown	faint earth	Loamy	72 ± 8.5	320 ± 17	392	0.11	
				2014/6/4	Cloudy	24.1	Brownish gray	faint earth	Loamy	800 ± 27	2,200 ± 45	3,000	0.12	Grayish olive	faint earth	Loamy	680 ± 23	1,900 ± 39	2,580	0.11	
				2014/9/2	Sunny	25.0	Blackish brown	faint earth	Loamy	510 ± 21	1,600 ± 38	2,110	0.12	Blackish brown	faint earth	Loamy	170 ± 13	510 ± 22	680	0.11	
				2014/11/10	Sunny	12.2	Blackish brown	faint earth	Loamy	2,200 ± 52	6,700 ± 94	8,900	0.18	Blackish brown	faint earth	Loamy	120 ± 12	350 ± 21	470	0.11	
				2015/2/6	Cloudy	6.0	Blackish brown	faint earth	Loamy	350 ± 23	1,300 ± 43	1,650	0.16	Blackish brown	faint earth	Loamy	68 ± 11	290 ± 19	358	0.12	
				2014/6/2	Sunny	30.1	Dark brown	faint earth	Loamy	270 ± 16	830 ± 27	1,100	0.16	Dark brown	faint earth	Loamy	300 ± 19	810 ± 31	1,110	0.13	
				2014/8/28	Cloudy	19.8	Extremely dark brown	faint earth	Loamy	24 ± 5.2	56 ± 8.6	80	0.16	Extremely dark brown	faint earth	Loamy	260 ± 20	850 ± 37	1,110	0.16	
				2014/11/10	Sunny	13.0	Blackish brown	faint earth	Loamy	430 ± 25	1,400 ± 46	1,830	0.18	Blackish brown	faint earth	Loamy	290 ± 23	930 ± 41	1,220	0.11	
				2015/2/6	Cloudy	3.2	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
				2014/6/2	Sunny	29.9	Blackish brown	faint earth	Loamy	860 ± 34	2,200 ± 56	3,060	0.35	Blackish brown	faint earth	Loamy	940 ± 37	2,600 ± 61	3,540	0.57	
Rivers	Nakagawa River System	Hokigawa River	Nasushiobara City	2014/8/28	Cloudy	24.0	Blackish brown	None	Loamy	190 ± 23	510 ± 36	700	0.26	Blackish brown	None	Loamy	330 ± 29	1,100 ± 51	1,430	0.36	
				2014/11/10	Sunny	16.8	Blackish brown	faint earth	Loamy	440 ± 31	1,300 ± 54	1,740	0.26	Blackish brown	faint earth	Loamy	990 ± 46	3,100 ± 85	4,090	0.38	
				2015/2/6	Sunny	6.2	Black	faint earth	Loamy	290 ± 25	1,100 ± 47	1,390	0.26	Black	faint earth	Loamy	310 ± 25	1,100 ± 47	1,410	0.35	
				2014/6/4	Sunny	24.6	Dim yellowish orange	faint earth	Loamy	110 ± 10	300 ± 17	410	0.11	Grayish olive	faint earth	Loamy	140 ± 10	380 ± 17	520	0.08	
				2014/9/2	Sunny	23.0	Dark brown	faint earth	Loamy	140 ± 12	500 ± 23	640	0.10	Dark brown	faint earth	Loamy	330 ± 18	1,000 ± 31	1,330	0.09	
				2014/11/10	Sunny	13.3	Blackish brown	faint earth	Loamy	360 ± 17	1,100 ± 30	1,460	0.12	Blackish brown	faint earth	Loamy	260 ± 17	770 ± 28	1,030	0.10	
				2015/2/6	Sunny	6.8	Dark brown	faint earth	Loamy	140 ± 12	460 ± 23	600	0.14	Dark brown	faint earth	Loamy	130 ± 13	470 ± 23	600	0.12	
				2014/5/19	Sunny	22.7	Dark brown	faint earth	Loamy	110 ± 11	330 ± 18	440	0.10	Dim reddish brown	faint earth	Loamy	33 ± 8.4	81 ± 13	114	0.09	
				2014/6/17	Cloudy	26.2	Brown	faint earth	Loamy	150 ± 11	480 ± 18	630	0.10	Orange	faint earth	Loamy	60 ± 8.4	180 ± 14	240	0.09	
				2014/7/17	Cloudy	26.6	Brown	faint earth	Loamy	130 ± 11	400 ± 18	530	0.10	Dim orange	faint earth	Loamy	62 ± 9.8	130 ± 15	192	0.09	
15	Nakagawa River	Iwai Bridge		2014/8/8	Sunny	31.5	Dim yellowish brown	faint earth	Loamy	140 ± 12	430 ± 21	570	0.13	Light brown	faint earth	Loamy	140 ± 14	380 ± 23	520	0.10	
				2014/9/8	Cloudy	24.3	Blackish brown	faint earth	Loamy	140 ± 11	450 ± 20	590	0.11	Brown	faint earth	Loamy	45 ± 9.6	160 ± 16	205	0.09	
				2014/11/7	Sunny	12.3	Dim yellowish orange	faint earth	Loamy	150 ± 10	480 ± 19	630	0.11	Brown	faint earth	Loamy	120 ± 14	430 ± 25	550	0.12	
				2015/2/14	Sunny	5.0	Dark grayish yellow	faint earth	Loamy	91 ± 10	340 ± 17	431	0.10	Brown	faint earth	Loamy	33 ± 7.8	150 ± 14	183	0.10	
				2014/5/19	Sunny	21.5	Dark reddish brown	faint earth	Loamy	41 ± 6.5	120 ± 11	161	0.07	Dark reddish brown	faint earth	Loamy	66 ± 8.9	170 ± 14	236	0.09	
				2014/6/16	Sunny	27.8	Blackish brown	faint earth	Loamy	44 ± 6.0	140 ± 11	184	0.07	Olive black	faint earth	Loamy	70 ± 7.7	180 ± 12	250	0.08	
				2014/7/8	Sunny	27.1	Dark brown	faint earth	Loamy	19 ± 6.3	65 ± 11	84	0.07	Blackish brown	faint earth	Loamy	55 ± 8.1	120 ± 12	175	0.08	
				2014/8/2	Sunny	29.9	Grayish brown	faint earth	Loamy	29 ± 5.6	92 ± 8.6	121	0.05	Grayish brown	faint earth	Loamy	33 ± 6.1	100 ± 8.8	133	0.05	
				2014/9/8	Cloudy	23.1	Dim yellowish brown	faint earth	Loamy	15 ± 5.1	75 ± 8.8	90	0.08	Dim yellowish brown	faint earth	Loamy	14 ± 2.4	48 ± 3.9	62	0.09	
				2014/11/1	Sunny	16.3	Dim yellowish brown	faint earth	Loamy	54 ± 8.0	150 ± 12	204	0.10	Dim yellowish brown	faint earth	Loamy	99 ± 9.9	360 ± 18	459	0.09	
16	Nakagawa Town	Shinnaka Bridge		2015/2/16	Sunny	2.5	Dark brown	faint earth	Loamy	36 ± 6.0	110 ± 9.9	146	0.09	Dark brown	faint earth	Loamy	48 ± 6.6	160 ± 12	208	0.09	
				2014/5/19	Sunny	24.5	Brown	faint earth	Loamy	33 ± 6.5	110 ± 11	143	0.09	Dark brown	faint earth	Loamy	90 ± 11	250 ± 18	340	0.08	
				2014/6/10	Sunny	22.0	Dim yellowish brown	faint earth	Loamy	41 ± 7.4	130 ± 12	171	0.10	Olive black	faint earth	Loamy	98 ± 13	230 ± 18	328	0.09	
				2014/7/2	Sunny	25.6	Brown	faint earth	Loamy	68 ± 7.1	190 ± 12	258	0.09	Blackish brown	faint earth	Loamy	76 ± 9.8	240 ± 16	316	0.08	
				2014/8/2	Sunny	33.4	Blackish brown	faint earth	Loamy	37 ± 5.5	110 ± 9.4	147	0.05	Blackish brown	faint earth	Loamy	62 ± 9.1	200 ± 15	262	0.06	
				2014/9/8	Cloudy	22.8	Blackish brown	faint earth	Loamy	34 ± 6.1	80 ± 9.5	114	0.08	Blackish brown	faint earth	Loamy	30 ± 6.5	110 ± 11	140	0.10	
				2014/11/1	Cloudy	11.0	Dark grayish yellow	faint earth	Loamy	73 ± 7.6	240 ± 14	313	0.10	Dark grayish yellow	faint earth	Loamy	87 ± 10	350 ± 19	437	0.11	
				2015/2/16	Sunny	6.7	Dark grayish yellow	faint earth	Loamy	36 ± 5.7	130 ± 10	166	0.10	Dark grayish yellow	faint earth	Loamy	28 ± 6.6	150 ± 12	178	0.10	
				2014/5/19	Sunny	24.5	Brown	faint earth	Loamy	33 ± 6.5	110 ± 11	143	0.09	Dark brown	faint earth	Loamy	90 ± 11	250 ± 18	340	0.08	
				2014/6/10	Sunny	22.0	Dim yellowish brown	faint earth	Loamy	41 ± 7.4	130 ± 12	171	0.10	Olive black	faint earth	Loamy	98 ± 13	230 ± 18	328	0.09	
				2014/7/2	Sunny	25															

Tochigi River (Surrounding Environment) 3/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil/Air dose)												Remarks		
							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)	
										Cs-134	Cs-137	Total					Cs-134	Cs-137	Total		
Rivers	Nakagawa River System	Arakawa River	Saikachi Bridge	Shioya Town	2014/5/17	Sunny	22.5	Dark brown	faint earth	Loamy	83 ± 5.5	230 ± 9.1	313	0.14	Dark reddish brown	faint earth	Loamy	38 ± 9.7	94 ± 15	132	0.14
					2014/8/18	Cloudy	28.2	Dark brown	faint earth	Loamy	120 ± 13	430 ± 25	550	0.12	Dark brown	faint earth	Loamy	160 ± 20	450 ± 33	610	0.13
					2014/11/12	Cloudy	11.8	Dark brown	faint earth	Loamy	130 ± 12	450 ± 21	580	0.14	Dark brown	faint earth	Loamy	120 ± 16	540 ± 31	660	0.13
		Renjo Bridge	Sakura City		2015/2/7	Sunny	1.8	Dark brown	faint earth	Loamy	93 ± 11	350 ± 22	443	0.15	Brown	faint earth	Loamy	48 ± 12	180 ± 20	228	0.11
					2014/5/17	Sunny	24.0	Dark brown	faint earth	Loamy	51 ± 6.4	140 ± 11	191	0.09	Grayish brown	faint earth	Loamy	23 ± 4.4	46 ± 6.2	69	0.09
					2014/8/18	Sunny	30.0	Blackish brown	faint earth	Loamy	110 ± 13	410 ± 24	520	0.10	Blackish brown	faint earth	Loamy	81 ± 10	290 ± 20	371	0.08
					2014/11/12	Cloudy	13.0	Dark grayish yellow	faint earth	Loamy	150 ± 13	590 ± 25	740	0.09	Dark brown	faint earth	Loamy	83 ± 10	300 ± 17	383	0.10
		Uchikawa River	Tanaka Bridge	Yaita City	2015/2/7	Sunny	8.3	Dark brown	faint earth	Loamy	50 ± 10	230 ± 17	280	0.11	Dim yellowish brown	faint earth	Loamy	30 ± 6.7	140 ± 12	170	0.10
					2014/5/17	Sunny	24.2	Dark brown	faint earth	Loamy	200 ± 16	540 ± 26	740	0.13	Dark brown	faint earth	Loamy	160 ± 13	400 ± 20	560	0.10
					2014/8/18	Sunny	28.8	Blackish brown	faint earth	Loamy	230 ± 13	650 ± 22	880	0.10	Dark brown	faint earth	Loamy	170 ± 14	470 ± 24	640	0.12
					2014/11/12	Cloudy	12.5	Dark brown	faint earth	Loamy	110 ± 10	420 ± 19	530	0.10	Dark brown	faint earth	Loamy	210 ± 14	720 ± 25	930	0.12
					2015/2/7	Sunny	5.6	Dark brown	faint earth	Loamy	140 ± 13	530 ± 24	670	0.16	Dark brown	faint earth	Loamy	45 ± 9.0	190 ± 15	235	0.14
		Asahi Bridge	Sakura City		2014/5/17	Sunny	24.5	Dark brown	faint earth	Loamy	50 ± 8.4	170 ± 14	220	0.10	Dark brown	faint earth	Loamy	52 ± 8.9	140 ± 15	192	0.08
					2014/8/18	Cloudy	30.5	Blackish brown	faint earth	Loamy	39 ± 8.0	110 ± 14	149	0.08	Blackish brown	faint earth	Loamy	110 ± 12	370 ± 22	480	0.09
					2014/11/12	Cloudy	13.0	Blackish brown	faint earth	Loamy	59 ± 8.4	170 ± 13	229	0.09	Blackish brown	faint earth	Loamy	160 ± 13	440 ± 22	600	0.10
					2015/2/7	Sunny	8.0	Blackish brown	faint earth	Loamy	34 ± 4.2	120 ± 7.2	154	0.07	Blackish brown	faint earth	Loamy	36 ± 4.6	120 ± 7.3	156	0.08
					2014/5/19	Sunny	19.8	Dark brown	faint earth	Loamy	110 ± 13	310 ± 21	420	0.08	Dim yellowish brown	faint earth	Loamy	99 ± 12	240 ± 18	339	0.06
					2014/6/16	Cloudy	26.5	Brown	faint earth	Loamy	37 ± 6.7	160 ± 13	197	0.07	Dark olive brown	faint earth	Loamy	110 ± 8.9	300 ± 14	410	0.07
					2014/7/8	Sunny	27.7	Dark brown	faint earth	Loamy	50 ± 5.1	160 ± 8.1	210	0.09	Olive black	faint earth	Loamy	83 ± 12	210 ± 18	293	0.07
Rivers	Arakawa River	Mukada Bridge	Nasu Karasuyama City		2014/8/2	Sunny	34.1	Faint fish	faint earth	Loamy	61 ± 8.9	170 ± 13	231	0.05	Faint fish	faint earth	Loamy	48 ± 7.7	190 ± 14	238	0.05
					2014/9/9	Sunny	27.0	Dim yellowish brown	faint earth	Loamy	100 ± 11	280 ± 18	380	0.10	Dark brown	faint earth	Loamy	62 ± 11	200 ± 18	262	0.07
					2014/11/11	Cloudy	15.0	Dim yellowish brown	faint earth	Loamy	67 ± 9.1	210 ± 16	277	0.09	Dim yellowish brown	faint earth	Loamy	38 ± 7.7	160 ± 13	198	0.08
					2015/2/16	Sunny	7.5	Dark brown	faint earth	Loamy	85 ± 10	210 ± 16	295	0.08	Dark brown	faint earth	Loamy	52 ± 8.6	240 ± 16	292	0.06
					2014/5/19	Sunny	21.0	Brown	faint earth	Loamy	56 ± 8.1	160 ± 13	216	0.08	Brown	faint earth	Loamy	45 ± 4.3	95 ± 6.0	140	0.06
					2014/6/16	Cloudy	25.1	Blackish brown	faint earth	Loamy	59 ± 9.1	220 ± 16	279	0.06	Dark brown	faint earth	Loamy	33 ± 6.7	110 ± 11	143	0.07
					2014/7/8	Sunny	27.4	Blackish brown	faint earth	Loamy	78 ± 11	200 ± 16	278	0.07	Blackish brown	faint earth	Loamy	48 ± 7.1	140 ± 13	188	0.07
Tonegawa River System	Kinugawa River System	Nikkō City	Egawa River	Tributary	2014/8/2	Sunny	33.5	Blackish brown	faint earth	Loamy	67 ± 7.9	190 ± 13	257	0.04	Faint fish	faint earth	Loamy	53 ± 7.6	130 ± 12	183	0.04
					2014/9/9	Cloudy	27.2	Dark brown	faint earth	Loamy	46 ± 12	210 ± 19	256	0.08	Dark brown	faint earth	Loamy	34 ± 8.5	100 ± 14	134	0.06
					2014/11/11	Cloudy	13.7	Blackish brown	faint earth	Loamy	40 ± 8.1	130 ± 13	170	0.08	Dark brown	faint earth	Loamy	45 ± 8.3	140 ± 13	185	0.07
					2015/2/16	Sunny	11.0	Dark brown	faint earth	Loamy	37 ± 8.0	190 ± 15	227	0.07	Dark brown	faint earth	Loamy	33 ± 8.1	130 ± 12	163	0.08
					2014/5/28	Cloudy	20.9	Blackish brown	faint earth	Loamy	380 ± 22	1,000 ± 37	1,380	0.16	Blackish brown	faint earth	Loamy	320 ± 17	1,000 ± 31	1,320	0.14
					2014/8/19	Cloudy	30.3	Blackish brown	faint earth	Loamy	130 ± 11	330 ± 17	460	0.16	Black	faint earth	Loamy	310 ± 23	800 ± 37	1,110	0.16
					2014/11/13	Cloudy	9.8	Dark brown	faint earth	Loamy	170 ± 12	600 ± 23	770	0.17	Blackish brown	faint earth	Loamy	410 ± 30	1,200 ± 51	1,610	0.17
Rivers	Kinugawa River System	Nikkō City	Ojika River	Tributary	2015/2/9	Sunny	1.2	Dark grayish yellow	faint earth	Loamy	150 ± 14	600 ± 27	750	0.15	Black	faint earth	Loamy	140 ± 21	560 ± 39	700	0.16
					2014/5/30	Sunny	23.3	Blackish brown	faint earth	Loamy	20 ± 3.5	47 ± 6.4	67	0.07	Blackish brown	faint earth	Loamy	<8.1 ± 2.0	<10 ± 3.0	-	0.09
					2014/8/19	Sunny	27.0	Blackish brown	faint earth	Loamy	5.6 ± 1.7	17 ± 2.6	22.6	0.09	Blackish brown	faint earth	Loamy	<4.9 ± 1.4	5.1 ± 1.6	5.1	0.07
					2014/11/13	Cloudy	5.8	Dim yellowish orange	faint earth	Sandy	12 ± 3.6	44 ± 6.4	56	0.09	Blackish brown	faint earth	Loamy	<7.2 ± 2.1	<8.2 ± 2.7	-	0.08
					2015/2/9	Light snow	-4.0	-	-	-	-	-	-	-	-	-	-	-	-	Disable to collect samples due to snow on the ground	
					2014/5/28	Cloudy	20.6	Dim yellowish brown	faint earth	Loamy	120 ± 9.3	360 ± 16	480	0.14	Dim yellowish orange	faint earth	Loamy	130 ± 9.5	420 ± 17	550	0.15
					2014/8/19	Sunny	31.2	Grayish olive	faint earth	Sandy	<9.4 ± 2.8	24 ± 4.2	44	0.12	Grayish olive	faint earth	Loamy	89 ± 7.8	240 ± 13	329	0.13
Rivers	Kinugawa River System	Nikkō City	Kinugawa River	Kosagoe	2014/11/13	Sunny	9.3	Grayish olive	faint earth	Sandy	11 ± 2.2	33 ± 3.3	44	0.11	Dim yellowish brown	faint earth	Sandy	160 ± 11	560 ± 20	720	0.18
					2015/2/9	Cloudy	-0.5	Grayish olive	faint earth	Sandy	21 ± 4.8	52 ± 7.6	73	0.11	Olive black	faint earth	Loamy	170 ± 14	540 ± 24	710	0.17
					2014/5/23	Sunny	20.4	Brown	faint earth	Loamy	270 ± 16	790 ± 28	1,060	0.16	Blackish brown	faint earth	Loamy	310 ± 18	880 ± 30	1,190	0.19
					2014/8/21	Cloudy	27.7	Dark reddish brown	faint earth	Loamy	270 ± 16	850 ± 28	1,120	0.21	Blackish brown	faint earth	Loamy	460 ± 21	1,500 ± 38	1,960	0.16
					2014/11/13	Sunny	8.0	Blackish brown	faint earth	Loamy	260 ± 17	830 ± 30	1,090	0.24	Blackish brown	faint earth	Loamy	270 ± 17	850 ± 29	1,120	0.17
					2015/2/10	Sunny	4.2	Dark brown	faint earth	Loamy	360 ± 23	1,300 ± 45	1,660	0.20	Dim yellowish brown	faint earth	Loamy	270 ± 20	840 ± 35	1,110	0.15

Tochigi River (Surrounding Environment) 4/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil/Air dose)												Remarks	
							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)
										Cs-134	Cs-137	Total					Cs-134	Cs-137	Total	
Rivers	Tonegawa River System	Itaana River	Tributary	2014/5/23	Sunny	19.3	Blackish brown	faint earth	Loamy	540 ± 27	1,600 ± 46	2,140	0.22	Dark brown	faint earth	Loamy	280 ± 16	750 ± 27	1,030	0.19
				2014/6/16	Sunny	26.2	Blackish brown	faint earth	Loamy	450 ± 25	1,200 ± 42	1,650	0.24	Blackish brown	faint earth	Loamy	340 ± 21	880 ± 36	1,220	0.19
		Yukawa River	Tributary	2014/7/8	Sunny	25.1	Blackish brown	faint earth	Loamy	510 ± 27	1,400 ± 45	1,910	0.22	Dark brown	faint earth	Loamy	240 ± 18	730 ± 30	970	0.20
				2014/8/4	Sunny	23.5	Dark brown	faint earth	Loamy	220 ± 15	670 ± 26	890	0.11	Extremely dark brown	faint earth	Loamy	420 ± 22	1,200 ± 37	1,620	0.10
				2014/9/9	Sunny	25.2	Blackish brown	faint earth	Loamy	640 ± 34	1,900 ± 59	2,540	0.22	Dark brown	faint earth	Loamy	460 ± 25	1,400 ± 45	1,860	0.21
		Daiya River	Shinkyo Bridge	2014/11/17	Cloudy	7.0	Blackish brown	faint earth	Loamy	230 ± 18	750 ± 32	980	0.22	Dark brown	faint earth	Loamy	400 ± 21	1,300 ± 38	1,700	0.22
				2015/2/10	Sunny	2.0	Dark brown	faint earth	Loamy	410 ± 23	1,500 ± 46	1,910	0.22	Dark brown	faint earth	Loamy	560 ± 28	1,900 ± 53	2,460	0.20
				2014/5/30	Sunny	21.0	Dark brown	faint earth	Loamy	34 ± 3.7	98 ± 6.1	132	0.06	-	-	-	-	-	-	-
				2014/8/7	Sunny	24.8	Blackish brown	faint earth	Loamy	14 ± 2.5	52 ± 4.3	66	0.09	-	-	-	-	-	-	-
				2014/11/14	Sunny	2.8	Dark brown	faint earth	Loamy	<5.6 ± 1.9	28 ± 3.3	28	0.08	-	-	-	-	-	-	-
	Kinugawa River System	Shidobuchi River	Sujichigai Bridge	2015/2/13	Sunny	-5.6	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2014/5/27	Sunny	22.3	Black	faint earth	Loamy	340 ± 23	750 ± 35	1,090	0.11	Blackish brown	faint earth	Loamy	410 ± 24	1,200 ± 41	1,610	0.07
				2014/8/21	Cloudy	24.0	Blackish brown	faint earth	Loamy	350 ± 24	1,000 ± 41	1,350	0.12	Extremely dark reddish brown	faint earth	Loamy	860 ± 40	2,600 ± 70	3,460	0.13
				2014/11/14	Sunny	7.8	Blackish brown	faint earth	Loamy	140 ± 17	490 ± 31	630	0.15	Dark reddish brown	faint earth	Loamy	260 ± 21	790 ± 37	1,050	0.15
				2015/2/12	Cloudy	4.2	Black	faint earth	Loamy	320 ± 24	900 ± 42	1,220	0.16	Blackish brown	faint earth	Loamy	280 ± 23	1,000 ± 43	1,280	0.10
		Daiya River	Kaishin Bridge (Harigai)	2014/6/5	Light rain	18.7	Faint hydrogen sulfide	faint earth	Loamy	87 ± 9.8	210 ± 15	297	0.11	Blackish brown	faint earth	Loamy	26 ± 6.1	94 ± 10	120	0.14
				2014/8/21	Cloudy	27.0	Blackish brown	faint earth	Loamy	620 ± 30	2,100 ± 56	2,720	0.14	Blackish brown	faint earth	Loamy	1,200 ± 43	3,400 ± 74	4,600	0.16
				2014/11/14	Sunny	7.2	Blackish brown	faint earth	Loamy	150 ± 15	630 ± 29	780	0.16	Blackish brown	faint earth	Loamy	280 ± 20	910 ± 35	1,190	0.18
				2015/2/12	Cloudy	4.6	Blackish brown	faint earth	Loamy	290 ± 21	1,000 ± 39	1,290	0.15	Blackish brown	faint earth	Loamy	180 ± 16	580 ± 29	760	0.13
				2014/6/4	Sunny	27.0	Blackish brown	faint earth	Loamy	260 ± 18	670 ± 30	930	0.20	Dark brown	faint earth	Loamy	8.7 ± 2.4	25 ± 3.5	33.7	0.08
Rivers	Kinugawa River	Sanuki	Shioya Town	2014/6/26	Sunny	26.5	Blackish brown	faint earth	Loamy	470 ± 26	1,400 ± 46	1,870	0.17	Blackish brown	faint earth	Loamy	<4.3 ± 1.3	11 ± 1.8	11	0.15
				2014/7/23	Cloudy	30.1	Blackish brown	faint earth	Loamy	310 ± 19	910 ± 33	1,220	0.18	Blackish brown	None	Sandy	<4.8 ± 1.3	14 ± 2.0	14	0.08
				2014/8/19	Sunny	31.5	Blackish brown	faint earth	Loamy	480 ± 21	1,500 ± 37	1,980	0.14	Blackish brown	faint earth	Loamy	<5.8 ± 1.8	14 ± 2.5	14	0.06
				2014/9/10	Sunny	23.3	Blackish brown	faint earth	Loamy	450 ± 24	1,400 ± 43	1,850	0.17	Dark reddish brown	faint earth	Loamy	<5.6 ± 1.7	11 ± 2.4	11	0.08
				2014/11/17	Cloudy	9.2	Dark brown	faint earth	Loamy	200 ± 17	660 ± 30	860	0.19	Blackish brown	faint earth	Sandy	<4.2 ± 1.3	12 ± 1.9	12	0.08
		Naka-Kinugawa River	Nishi-Kinugawa Bridge	2015/2/10	Sunny	8.2	Blackish brown	faint earth	Loamy	340 ± 23	1,000 ± 38	1,340	0.16	Blackish brown	faint earth	Sandy	<6.4 ± 1.9	18 ± 2.7	18	0.09
				2014/6/4	Sunny	27.0	Dark brown	faint earth	Loamy	250 ± 17	660 ± 27	910	0.19	Brown	faint earth	Loamy	500 ± 25	1,300 ± 40	1,800	0.16
				2014/6/26	Sunny	20.0	Extremely dark reddish brown	faint earth	Loamy	160 ± 14	500 ± 23	660	0.15	Blackish brown	faint earth	Loamy	240 ± 18	650 ± 30	890	0.16
				2014/7/23	Cloudy	26.3	Dark brown	faint earth	Loamy	130 ± 11	300 ± 17	430	0.08	Dark brown	Faint green	Loamy	330 ± 17	1,100 ± 30	1,430	0.10
				2014/8/19	Sunny	33.5	Brown	faint earth	Loamy	60 ± 7.3	180 ± 13	240	0.14	Brown	faint earth	Loamy	720 ± 27	2,200 ± 49	2,920	0.15
Rivers	Kinugawa River	Kinugawa Bridge (Hoshakujii Temple)	Mooka City	2014/9/10	Cloudy	23.5	Extremely dark brown	faint earth	Loamy	120 ± 13	430 ± 23	550	0.14	Dark brown	faint earth	Loamy	350 ± 19	1,100 ± 33	1,450	0.16
				2014/11/17	Cloudy	10.2	Dark brown	faint earth	Loamy	140 ± 12	400 ± 22	540	0.15	Dark yellowish brown	faint earth	Loamy	310 ± 18	1,000 ± 35	1,310	0.19
				2015/2/10	Sunny	5.0	Dark brown	faint earth	Loamy	210 ± 15	670 ± 27	880	0.14	Dark brown	faint earth	Loamy	390 ± 20	1,200 ± 37	1,590	0.17
				2014/6/4	Sunny	23.8	Grayish olive	faint earth	Loamy	110 ± 11	300 ± 19	410	0.08	Dim yellowish orange	faint earth	Loamy	200 ± 17	620 ± 29	820	0.07
				2014/8/22	Cloudy	31.3	Blackish brown	faint earth	Loamy	33 ± 6.4	100 ± 9.8	133	0.07	Blackish brown	faint earth	Loamy	84 ± 8.2	240 ± 14	324	0.08
				2014/11/18	Sunny	11.8	Dark brown	faint earth	Loamy	41 ± 8.3	200 ± 16	241	0.08	Olive brown	faint earth	Loamy	67 ± 9.3	200 ± 16	267	0.08
Rivers	Utsunomiya City			2015/2/17	Cloudy	5.5	Dark brown	faint earth	Loamy	35 ± 5.4	120 ± 11	155	0.07	Blackish brown	faint earth	Loamy	28 ± 5.4	110 ± 9.9	138	0.07
				2014/6/19	Sunny	26.1	Blackish brown	None	Loamy	22 ± 3.9	81 ± 7.2	103	0.08	Dim yellowish brown	faint earth	Loamy	98 ± 8.2	280 ± 14	378	0.09
				2014/8/22	Sunny	30.0	Dim yellowish orange	faint earth	Loamy	<8.4 ± 2.6	22 ± 4.2	22	0.09	Olive black	faint earth	Loamy	49 ± 5.9	150 ± 10	199	0.09
				2014/11/18	Sunny	11.0	Dark brown	faint earth	Loamy	38 ± 7.7	140 ± 13	178	0.08	Dark brown	faint earth	Loamy	140 ± 14	490 ± 26	630	0.09
				2015/2/17	Cloudy	2.3	Dim yellowish orange	faint earth	Sandy	<9.1 ± 2.3	9.7 ± 2.9	9.7	0.09	Dark grayish yellow	faint earth	Loamy	86 ± 9.0	300 ± 15	386	0.12
Rivers	Daidoizumi Bridge			2014/6/19	Sunny	27.7	Brown	None	Loamy	28 ± 6.6	110 ± 11	138	0.08	Olive black	faint earth	Loamy	<9.2 ± 2.4	<9.6 ± 2.8	13	0.07
				2014/8/23	Cloudy	29.0	Dark brown	faint earth	Loamy	34 ± 7.6	120 ± 12	154	0.08	Dark brown	faint earth	Loamy	<8.2 ± 2.4	11 ± 2.2	11	0.06
				2014/11/20	Cloudy	8.0	Dark grayish yellow	faint earth	Loamy	35 ± 8.8	130 ± 14	165	0.09	Dark grayish yellow	faint earth	Loamy	<7.1 ± 2.0	7.8 ± 2.0	7.8	0.09
				2015/2/19	Sunny	7.7	Blackish brown	faint earth	Loamy	16 ± 4.5	71 ± 8.3	87	0.09	Dark brown	faint earth	Loamy	<4.2 ± 1.3	10 ± 1.8	10	0.07

Tochigi River (Surrounding Environment) 5/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil/Air dose)												Remarks		
							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)	
										Cs-134	Cs-137	Total					Cs-134	Cs-137	Total		
38	Water area	Egawa River	Tributary	Shimotsuke City	2014/5/20	Sunny	27.8	Blackish brown	faint earth	Loamy	28 ± 5.0	80 ± 8.2	108	0.07	Dark brown	faint earth	Loamy	23 ± 5.4	72 ± 7.9	95	0.08
					2014/6/17	Sunny	28.2	Dark brown	faint earth	Loamy	49 ± 7.5	150 ± 12	199	0.08	Dim yellowish brown	faint earth	Loamy	23 ± 2.9	61 ± 4.5	84	0.08
					2014/7/9	Cloudy	28.1	Blackish brown	faint earth	Loamy	160 ± 15	530 ± 26	690	0.07	Dark brown	faint earth	Loamy	24 ± 2.8	73 ± 4.3	97	0.08
					2014/8/4	Sunny	34.0	Dark brown	None	Loamy	120 ± 11	47 ± 18	510	0.06	Grayish brown	faint earth	Loamy	38 ± 6.1	110 ± 10	148	0.06
					2014/9/12	Sunny	25.8	Blackish brown	faint earth	Loamy	63 ± 8.2	240 ± 15	303	0.07	Dark brown	faint earth	Loamy	31 ± 6.3	110 ± 10	141	0.07
					2014/11/20	Cloudy	6.2	Dark brown	faint earth	Loamy	27 ± 2.7	93 ± 4.7	120	0.09	Dim reddish brown	faint earth	Loamy	21 ± 5.9	98 ± 11	119	0.07
					2015/2/19	Sunny	7.0	Blackish brown	faint earth	Loamy	35 ± 3.1	150 ± 6.0	185	0.08	Dark brown	faint earth	Loamy	63 ± 9.3	230 ± 17	293	0.07
39		Nikko City Hall, front	Akabori River	Nikko City	2014/5/23	Sunny	18.6	-	-	-	-	-	-	-	Blackish brown	faint earth	Sandy	220 ± 20	630 ± 33	850	0.08
					2014/8/21	Sunny	24.0	-	-	-	-	-	-	-	Blackish brown	faint earth	Loamy	270 ± 21	886 ± 38	1,150	0.10
					2014/11/14	Sunny	8.2	-	-	-	-	-	-	-	Blackish brown	faint earth	Loamy	150 ± 17	400 ± 27	550	0.09
40		Kiwadajima	Kinugawa River System	Tagawa River	2015/2/13	Sunny	1.5	-	-	-	-	-	-	-	Blackish brown	faint earth	Loamy	190 ± 18	740 ± 33	930	0.13
					2014/5/23	Cloudy	16.2	Blackish brown	faint earth	Loamy	110 ± 11	330 ± 18	440	0.10	Blackish brown	faint earth	Loamy	220 ± 21	640 ± 34	860	0.10
R i v e r s	Tonogawa River System	Ozobashi Bridge	Utsunomiya City	Tagawa River	2014/8/22	Cloudy	28.0	Black	faint earth	Loamy	270 ± 15	820 ± 25	1,090	0.10	Dim hydrogen sulfide	faint earth	Loamy	220 ± 18	700 ± 32	920	0.09
					2014/11/17	Sunny	11.0	Blackish brown	faint earth	Loamy	310 ± 22	980 ± 39	1,290	0.10	Blackish brown	faint earth	Loamy	130 ± 13	350 ± 22	480	0.10
					2015/2/13	Cloudy	4.2	Dark brown	faint earth	Loamy	72 ± 8.6	270 ± 16	342	0.10	Dark brown	faint earth	Loamy	180 ± 15	610 ± 27	790	0.10
					2014/5/13	Sunny	25.2	Blackish brown	None	Loamy	120 ± 13	400 ± 22	520	0.07	Blackish brown	None	Loamy	28 ± 3.5	75 ± 5.3	103	0.08
					2014/6/13	Sunny	21.9	Black	faint earth	Loamy	130 ± 11	360 ± 19	490	0.06	Blackish brown	faint earth	Loamy	53 ± 9.3	160 ± 15	213	0.05
					2014/7/9	Cloudy	21.7	Blackish brown	faint earth	Loamy	52 ± 9.3	190 ± 16	242	0.07	Blackish brown	faint earth	Loamy	180 ± 18	590 ± 31	770	0.08
					2014/8/29	Cloudy	23.0	Blackish brown	faint earth	Loamy	64 ± 8.6	230 ± 14	294	0.06	Blackish brown	faint earth	Loamy	120 ± 12	300 ± 18	420	0.09
41		Kamagawa River	Tsukushi Bridge	Kaminokawa Town	2014/9/24	Cloudy	24.5	Blackish brown	faint earth	Loamy	81 ± 8.8	230 ± 15	311	0.07	Dim reddish brown	faint earth	Loamy	89 ± 11	260 ± 18	349	0.07
					2014/11/18	Cloudy	12.0	Blackish brown	faint earth	Loamy	41 ± 7.6	140 ± 13	181	0.08	Blackish brown	faint earth	Loamy	220 ± 17	690 ± 31	910	0.08
42		Tagawa River	Meiji Bridge	Yanabashi Bridge	2015/2/17	Cloudy	6.0	Blackish brown	faint earth	Loamy	88 ± 9.9	330 ± 17	418	0.06	Dark brown	faint earth	Loamy	46 ± 8.1	190 ± 15	236	0.08
					2014/5/16	Sunny	21.8	Dark brown	faint earth	Loamy	68 ± 10	200 ± 17	268	0.08	Blackish brown	faint earth	Loamy	170 ± 21	590 ± 35	760	0.07
43		Kamagawa River	Tsukushi Bridge	Tagawa River	2014/8/22	Cloudy	30.8	Dark brown	faint earth	Loamy	46 ± 7.5	150 ± 13	196	0.09	Blackish brown	faint earth	Loamy	260 ± 19	820 ± 32	1,080	0.09
					2014/11/18	Sunny	12.5	Dark brown	faint earth	Loamy	39 ± 4.7	110 ± 7.4	149	0.08	Blackish brown	faint earth	Loamy	230 ± 23	640 ± 37	870	0.10
44		Yanabashi Bridge	Oyama City	Kanuma City	2015/2/17	Cloudy	5.5	Dark brown	faint earth	Loamy	61 ± 8.7	160 ± 14	221	0.08	Blackish brown	faint earth	Loamy	250 ± 20	870 ± 36	1,120	0.10
					2014/5/16	Sunny	24.3	Dim yellowish brown	faint earth	Loamy	52 ± 8.3	130 ± 12	182	0.07	Olive black	faint earth	Loamy	28 ± 5.7	65 ± 8.5	93	0.07
45		Kanumawa River	Onari Bridge	Mibu Town	2014/8/23	Cloudy	30.0	Brownish gray	faint earth	Loamy	75 ± 7.9	210 ± 13	285	0.07	Dim yellowish brown	faint earth	Loamy	96 ± 9.0	250 ± 14	346	0.06
					2014/11/20	Cloudy	4.7	Grayish olive	faint earth	Loamy	77 ± 11	260 ± 19	337	0.07	Dim yellowish brown	faint earth	Loamy	26 ± 7.1	100 ± 12	126	0.06
46		Oshii River	Akaishi Bridge	Kanuma City	2015/2/13	Sunny	5.0	Dark grayish yellow	faint earth	Loamy	33 ± 5.3	90 ± 8.4	123	0.07	Dark brown	faint earth	Loamy	35 ± 5.5	110 ± 9.7	145	0.07
					2014/5/16	Sunny	24.5	Olive black	faint earth	Loamy	23 ± 5.3	49 ± 8.0	72	0.06	Dark brown	faint earth	Loamy	25 ± 5.0	69 ± 8.8	94	0.07
47		Koyabu River	Koyabu Bridge		2014/8/23	Sunny	32.2	Dark brown	faint earth	Loamy	38 ± 7.4	170 ± 13	208	0.06	Dim yellowish brown	faint earth	Loamy	45 ± 6.0	110 ± 9.1	155	0.06
					2014/11/20	Cloudy	11.0	Blackish brown	faint earth	Clay-loamy	12 ± 2.7	47 ± 4.1	59	0.06	Blackish brown	faint earth	Loamy	18 ± 5.6	76 ± 10	94	0.07
48					2015/2/19	Sunny	11.8	Blackish brown	faint earth	Loamy	28 ± 5.8	89 ± 12	117	0.07	Blackish brown	faint earth	Loamy	28 ± 3.2	93 ± 5.5	121	0.07
					2014/5/15	Light rain	20.5	Dim yellowish brown	faint earth	Loamy	51 ± 5.8	110 ± 9.1	161	0.08	Blackish brown	faint earth	Loamy	23 ± 3.1	60 ± 5.1	83	0.07
49					2014/8/9	Cloudy	26.5	Dark olive brown	faint earth	Loamy	34 ± 7.0	120 ± 11	154	0.09	Dim yellowish brown	faint earth	Loamy	85 ± 12	280 ± 20	365	0.07
					2014/11/19	Sunny	10.5	Dark brown	faint earth	Loamy	30 ± 6.3	79 ± 9.0	109	0.09	Dark brown	faint earth	Loamy	18 ± 3.7	68 ± 5.7	86	0.08
50					2015/2/20	Cloudy	6.1	Dark brown	faint earth	Loamy	25 ± 5.9	72 ± 9.2	97	0.09	Dark brown	faint earth	Loamy	51 ± 11	240 ± 21	291	0.09
					2014/6/3	Sunny	22.9	Blackish brown	faint earth	Loamy	29 ± 9.1	82 ± 12	111	0.09	Dim yellowish orange	faint earth	Loamy	21 ± 3.3	75 ± 5.4	96	0.11
51					2014/8/25	Cloudy	24.3	Dark brown	faint earth	Loamy	78 ± 11	270 ± 19	348	0.07	Dim yellowish brown	faint earth	Loamy	91 ± 11	290 ± 19	381	0.09
					2014/11/21	Sunny	9.0	Dark brown	faint earth	Loamy	64 ± 13	330 ± 25	394	0.07	Dark brown	faint earth	Loamy	97 ± 13	250 ± 21	347	0.09
52					2015/2/19	Sunny	9.0	Blackish brown	faint earth	Loamy	75 ± 13	270 ± 21	345	0.08	Blackish brown	faint earth	Loamy	35 ± 10	200 ± 19	235	0.10
					2014/5/15	Sunny	25.5	Dark brown	faint earth	Loamy	23 ± 3.1	65 ± 5.0	88	0.08	Grayish olive	faint earth	Loamy	60 ± 8.1	140 ± 12	200	0.09
53					2014/8/9	Cloudy	26.2	Dark brown	faint earth	Loamy	60 ± 9.2	160 ± 14	220	0.08	Dim yellowish orange	faint earth	Loamy	120 ± 10	350 ± 17	470	0.07
					2014/11/19	Sunny	11.0	Dark brown	faint earth	Loamy	30 ± 8.1	120 ± 13	150	0.12	Dark brown	faint earth	Loamy	49 ± 7.3	170 ± 13	219	0.12
54					2015/2/20	Cloudy	6.3	Brown	faint earth	Loamy	51 ± 9.1	200 ± 18	251	0.12	Dark grayish yellow	faint earth	Loamy	53 ± 7.9	170 ± 14	22	

Tochigi River (Surrounding Environment) 6/6

No.	Location			Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil/Air dose)												Remarks			
							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)		
										Cs-134	Cs-137	Total					Cs-134	Cs-137	Total			
49	Water area	Omoi River	Omoi River	Tamotsu Bridge	Tochigi City	2014/6/3	Sunny	25.1	Blackish brown	faint earth	Loamy	29 ± 3.1	74 ± 5.0	103	0.07	Grayish olive	faint earth	Loamy	150 ± 15	410 ± 23	560	0.06
						2014/8/9	Cloudy	25.8	Blackish brown	faint earth	Loamy	37 ± 6.6	100 ± 10	137	0.09	Grayish olive	faint earth	Loamy	120 ± 10	330 ± 18	450	0.09
						2014/11/21	Sunny	10.8	Dark brown	faint earth	Loamy	32 ± 7.0	78 ± 9.4	110	0.08	Dark brown	faint earth	Loamy	72 ± 10	220 ± 17	292	0.09
						2015/2/19	Sunny	9.8	Blackish brown	faint earth	Loamy	33 ± 7.8	130 ± 13	163	0.08	Dark brown	faint earth	Loamy	22 ± 2.5	87 ± 4.6	109	0.08
						2014/5/20	Sunny	29.5	Brown	faint earth	Loamy	68 ± 10	220 ± 17	288	0.10	Brown	faint earth	Loamy	68 ± 9.7	190 ± 16	258	0.07
				Otome-ohashi Bridge	Oyama City	2014/6/17	Sunny	24.1	Dark brown	faint earth	Loamy	130 ± 15	470 ± 27	600	0.11	Dark reddish brown	faint earth	Loamy	68 ± 9.2	210 ± 17	278	0.08
						2014/7/9	Cloudy	27.7	Dark brown	faint earth	Loamy	69 ± 11	230 ± 19	299	0.10	Extremely dark brown	None	Loamy	25 ± 6.2	93 ± 9.8	118	0.09
						2014/8/25	Cloudy	26.3	Olive black	faint earth	Loamy	90 ± 10	320 ± 19	410	0.10	Dim yellowish brown	faint earth	Loamy	79 ± 8.3	180 ± 13	259	0.08
						2014/9/24	Sunny	23.6	Dark grayish yellow	faint earth	Loamy	140 ± 14	350 ± 22	490	0.09	Dim yellowish brown	faint earth	Loamy	36 ± 7.5	110 ± 11	146	0.08
						2014/11/21	Sunny	12.5	Dark brown	faint earth	Loamy	19 ± 6.3	78 ± 9.9	97	0.10	Dark brown	faint earth	Loamy	33 ± 3.5	100 ± 6.0	133	0.10
50	Uzuma River Area	Uzuma River	Uzuma River	Uzuma Bridge	Tochigi City	2014/5/26	Cloudy	21.5	Dark brown	faint earth	Loamy	43 ± 7.4	110 ± 12	153	0.08	Dark brown	faint earth	Loamy	75 ± 9.0	190 ± 15	265	0.07
						2014/6/17	Sunny	24.8	Brown	faint earth	Loamy	38 ± 8.9	110 ± 13	148	0.08	Brown	faint earth	Loamy	35 ± 8.0	110 ± 12	145	0.07
						2014/7/9	Light rain	25.1	Brown	None	Loamy	34 ± 10	140 ± 17	174	0.07	Brown	faint earth	Loamy	28 ± 3.5	92 ± 5.6	120	0.06
						2014/8/8	Cloudy	29.2	Dark brown	faint earth	Loamy	100 ± 12	300 ± 19	400	0.09	Dark brown	faint earth	Loamy	92 ± 10	260 ± 17	352	0.07
						2014/9/12	Sunny	23.5	Dark brown	faint earth	Loamy	110 ± 11	290 ± 19	400	0.08	Dark brown	faint earth	Loamy	35 ± 7.5	110 ± 11	145	0.07
				Tonegawa River intake weir at Sori Power Station	Nikko City	2014/11/21	Sunny	11.5	Dark brown	faint earth	Loamy	34 ± 7.1	90 ± 10	124	0.10	Dim yellowish brown	faint earth	Loamy	22 ± 6.0	110 ± 10	142	0.07
						2015/2/19	Sunny	10.8	Dark brown	faint earth	Loamy	53 ± 11	170 ± 17	223	0.09	Brown	faint earth	Loamy	30 ± 3.3	110 ± 5.8	140	0.06
						2014/5/30	Sunny	19.7	Dark grayish yellow	faint earth	Sandy	7.3 ± 1.8	24 ± 3.1	31.3	0.16	Grayish olive	faint earth	Sandy	13 ± 2.7	46 ± 3.9	59	0.17
						2014/6/25	Cloudy	25.3	Olive brown	Faint grass	Sandy	34 ± 6.5	72 ± 8.6	106	0.19	Olive black	None	Sandy	16 ± 4.2	37 ± 6.4	53	0.18
						2014/7/23	Sunny	29.4	Dim yellowish orange	faint earth	Sandy	62 ± 7.9	210 ± 14	272	0.18	Olive black	faint earth	Sandy	15 ± 2.3	40 ± 3.6	55	0.18
Rivers	Watarase River System	Watarase River Area	Watarase River	Hajika Bridge	Ashikaga City	2014/8/19	Sunny	29.9	Grayish olive	None	Sandy	92 ± 9.6	270 ± 15	362	0.15	Olive brown	None	Sandy	31 ± 5.0	80 ± 8.1	111	0.15
						2014/9/10	Cloudy	21.5	Grayish olive	None	Sandy	9.2 ± 2.1	34 ± 3.4	43.2	0.16	Grayish olive	None	Sandy	15 ± 2.1	40 ± 3.2	55	0.17
						2014/11/19	Sunny	3.5	Grayish olive	faint earth	Sandy	7.8 ± 1.8	17 ± 2.4	24.8	0.16	Olive brown	faint earth	Sandy	12 ± 3.5	31 ± 6.5	43	0.12
						2015/2/12	Sunny	3.2	Dark brown	faint earth	Loamy	35 ± 7.2	130 ± 12	165	0.17	Grayish olive	None	Sandy	11 ± 1.9	33 ± 2.9	44	0.18
						2014/5/20	Sunny	28.2	Dark brown	faint earth	Loamy	66 ± 10	160 ± 15	226	0.07	Dark reddish brown	faint earth	Loamy	10 ± 2.8	36 ± 3.9	46	0.09
				Nakabashi Bridge	Nakabashi Bridge	2014/8/29	Cloudy	23.3	Dark brown	faint earth	Loamy	97 ± 12	300 ± 20	397	0.06	Blackish brown	faint earth	Loamy	150 ± 13	400 ± 21	550	0.09
						2014/11/29	Cloudy	11.0	Dark brown	faint earth	Loamy	27 ± 3.9	110 ± 6.9	137	0.06	Dark brown	faint earth	Loamy	62 ± 7.7	150 ± 12	212	0.09
						2015/2/2	Sunny	7.0	Dark brown	faint earth	Loamy	45 ± 8.9	170 ± 16	215	0.07	Dim yellowish brown	faint earth	Loamy	64 ± 12	250 ± 20	314	0.08
						2014/6/3	Sunny	27.7	Brown	faint earth	Loamy	27 ± 8.9	88 ± 14	115	0.07	Brown	faint earth	Loamy	12 ± 2.6	43 ± 4.3	55	0.07
						2014/8/29	Cloudy	23.0	Faint fish	faint earth	Loamy	13 ± 3.9	56 ± 6.0	69	0.06	Dark reddish brown	faint earth	Loamy	24 ± 5.3	69 ± 8.3	93	0.08
54	Watarase-ohashi Bridge	Tatebayashi City	Shinkai Bridge	Watarase-ohashi Bridge	Tatebayashi City	2014/11/29	Cloudy	12.2	Brown	faint earth	Loamy	57 ± 8.7	140 ± 13	197	0.07	Dark brown	faint earth	Loamy	22 ± 5.2	82 ± 8.8	104	0.08
						2015/2/2	Sunny	6.8	Brown	faint earth	Loamy	47 ± 11	160 ± 19	207	0.06	Dark brown	faint earth	Loamy	28 ± 7.4	140 ± 13	168	0.07
						2014/6/3	Sunny	27.5	Olive black	faint earth	Loamy	74 ± 10	220 ± 16	294	0.06	Olive black	faint earth	Loamy	12 ± 1.3	30 ± 1.7	42	0.09
						2014/8/29	Cloudy	24.2	Blackish brown	faint earth	Loamy	24 ± 5.1	75 ± 8.7	99	0.08	Blackish brown	faint earth	Loamy	27 ± 6.1	74 ± 8.4	101	0.08
						2014/11/29	Sunny	14.0	Dark brown	faint earth	Loamy	9.6 ± 2.4	25 ± 3.1	34.6	0.09	Blackish brown	faint earth	Loamy	35 ± 3.7	100 ± 6.0	135	0.09
				Shinkai Bridge	Tochigi City	2015/2/3	Sunny	9.8	Blackish brown	faint earth	Loamy	54 ± 9.0	170 ± 15	224	0.08	Blackish brown	faint earth	Loamy	31 ± 7.4	100 ± 12	131	0.08
						2014/6/4	Cloudy	25.3	Dim yellowish brown	faint earth	Loamy	48 ± 4.5	120 ± 6.9	168	0.07	Dark brown	faint earth	Loamy	71 ± 9.6	190 ± 14	261	0.09
						2014/6/26	Sunny	23.5	Blackish brown	faint earth	Loamy	27 ± 3.9	90 ± 6.2	117	0.06	Dark brown	faint earth	Loamy	46 ± 3.7	120 ± 5.8	166	0.08
						2014/7/25	Sunny	31.2	Dark brown	faint earth	Loamy	12 ± 2.0	36 ± 3.3	48	0.06	Dark brown	None	Loamy	60 ± 9.8	200 ± 15	260	0.09
						2014/8/20	Sunny	30.0	Grayish brown	faint earth	Loamy	66 ± 9.0	180 ± 13	246	0.07	Dark brown	faint earth	Loamy	84 ± 11	260 ± 19	344	0.06
55	Shinkai Bridge	Tochigi City	Shinkai Bridge	Watarase-ohashi Bridge	Tatebayashi City	2014/9/12	Sunny	20.8	Dark olive brown	faint earth	Loamy	19 ± 5.2	70 ± 8.3	89	0.07	Blackish brown	faint earth	Loamy	38 ± 7.9	190 ± 15	228	0.07
						2014/12/3	Sunny	10.2	Dark brown	faint earth	Loamy	45 ± 8.1	140 ± 12	185	0.08	Blackish brown	faint earth	Loamy	53 ± 6.3	170 ± 12	223	0.08
						2015/2/3	Sunny	9.8	Dim yellowish brown	faint earth	Loamy	35 ± 9.1	160 ± 15	195	0.08	Blackish brown	faint earth	Loamy	64 ± 9.5	200 ± 16	264	0.08

Tochigi Lakes and Reservoirs (Water) 1/2

No.	Water area	Location		Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water									Remarks				
								General items				Activity concentration(Bq/L)									
								Water temperature (°C)	Sampling depth (m)	Color	Odor	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Cs-134	Cs-137				
L a k e s a n d R e s e r v o i r s s	Nakagawa River System	Miyama Dam Reservoir	Center	Nasushiobara City	Surface layer	2014/5/29	Sunny	20.7	38.3	17.6	0.5	Grayish bluish green	None	4.2	7.8	0.6	<0.67 ± 0.14	<0.78 ± 0.17			
					Deep layer			7.1	37.3	-	None			8.2	1	0.5	<0.64 ± 0.12	<0.71 ± 0.12			
					Surface layer	2014/8/1	Cloudy	28.2	38.0	20.8	0.5	Grayish blue green	None	4.5	8.1	<1	0.3	<0.59 ± 0.12	<0.68 ± 0.14		
					Deep layer			11.3	37.0	-	None			8.4	<1	0.2	<0.62 ± 0.13	<0.59 ± 0.10			
					Surface layer	2014/10/16	Sunny	13.3	37.8	13.0	0.5	Light grayish yellow green	None	2.0	6.0	4	2.9	<0.65 ± 0.14	<0.52 ± 0.10		
		Shiobara Dam Reservoir	Center		Deep layer			12.1	36.8	-	None			5.6	<1	1.3	<0.50 ± 0.11	<0.45 ± 0.091			
					Surface layer	2014/12/8	Sunny	5.2	29.6	7.0	0.5	Dark grayish bluish green	None	3.5	5.9	<1	0.8	<0.58 ± 0.11	<0.71 ± 0.14		
					Deep layer			6.5	28.6	-	None			6.2	<1	0.9	<0.74 ± 0.16	<0.74 ± 0.14			
					Surface layer	2014/5/29	Cloudy	21.4	26.8	21.2	0.5	Dark grayish yellow green	None	4.4	14.7	<1	0.5	<0.67 ± 0.12	<0.82 ± 0.18		
					Deep layer			13.7	25.8	-	None			15.5	4	1.8	<0.58 ± 0.10	<0.66 ± 0.14			
R e s e r v o i r s s	Kinugawa River System	Kawaji Dam Reservoir	Center	Nikko City	Surface layer	2014/8/1	Cloudy	29.5	20.0	23.1	0.5	Grayish yellowish green	None	2.5	14.7	2	0.4	<0.48 ± 0.094	<0.52 ± 0.10		
					Deep layer			18.0	19.0	-	None			13.9	6	1.2	<0.53 ± 0.11	<0.45 ± 0.13			
					Surface layer	2014/10/1	Cloudy	15.4	19.4	18.1	0.5	Dark grayish bluish green	None	2.5	15.1	1	1.6	<0.56 ± 0.12	<0.55 ± 0.11		
					Deep layer			17.0	18.4	-	None			14.8	3	3.0	<0.54 ± 0.12	<0.63 ± 0.14			
					Surface layer	2014/12/1	Cloudy	12.3	31.0	11.1	0.5	Light grayish yellowish green	None	3.7	6.8	<1	0.8	<0.57 ± 0.11	<0.52 ± 0.13		
		Ikari Dam Reservoir	Center		Deep layer			10.5	30.0	-	None			7.5	1	1.3	<0.65 ± 0.14	<0.58 ± 0.11			
					Surface layer	2014/5/30	Sunny	22.5	75.5	17.8	0.5	Grayish yellowish green	None	4.5	4.0	1	0.7	<0.51 ± 0.13	<0.55 ± 0.10		
					Deep layer			7.8	74.5	-	None			7.7	1	0.9	<0.65 ± 0.15	<0.66 ± 0.15			
					Surface layer	2014/8/4	Sunny	30.0	66.5	26.5	0.5	Dark grayish yellowish green	None	3.0	5.3	2	0.4	<0.57 ± 0.12	<0.65 ± 0.11		
					Deep layer			12.5	65.3	-	None			8.5	2	2.2	<0.55 ± 0.10	<0.52 ± 0.12			
R e s e r v o i r s s	Lake Yuno	Kawamata Dam Reservoir	Center	Nikko City	Surface layer	2014/10/2	Cloudy	16.0	66.4	17.5	0.5	Grayish yellow green	None	1.7	6.0	2	2.7	<0.56 ± 0.14	<0.73 ± 0.14		
					Deep layer			7.4	65.4	-	None			7.9	6	5.7	<0.51 ± 0.090	<0.68 ± 0.13			
					Surface layer	2014/12/2	Sunny	5.0	71.8	10.2	0.5	Light grayish yellowish green	None	4.2	5.2	<1	1.0	<0.58 ± 0.13	<0.41 ± 0.094		
					Deep layer			7.1	70.8	-	None			4.5	21	16	<0.55 ± 0.11	<0.55 ± 0.10			
					Surface layer	2014/6/5	Cloudy	19.0	65.0	17.5	0.5	Dark grayish yellow green	None	5.5	5.1	1	0.5	<0.44 ± 0.11	<0.62 ± 0.12		
					Deep layer			7.3	64.0	-	None			6.8	2	0.8	<0.54 ± 0.10	<0.65 ± 0.13			
		Lake Yuno	Center		Surface layer	2014/8/4	Sunny	31.5	47.1	25.5	0.5	Dark grayish yellow green	None	5.5	4.9	<1	0.3	<0.67 ± 0.14	<0.74 ± 0.15		
					Deep layer			15.5	46.1	-	None			6.3	<1	0.6	<0.51 ± 0.10	<0.74 ± 0.13			
					Surface layer	2014/10/2	Cloudy	16.0	57.0	17.7	0.5	Dark grayish greenish blue	None	3.8	5.9	<1	0.9	<0.64 ± 0.13	<0.56 ± 0.12		
					Deep layer			8.7	56.6	-	None			8.0	4	4.3	<0.58 ± 0.15	<0.66 ± 0.17			
					Surface layer	2014/12/2	Sunny	4.2	49.9	8.8	0.5	Dark grayish green	None	4.4	4.3	1	1.2	<0.59 ± 0.13	<0.55 ± 0.12		
					Deep layer			8.5	48.9	-	None			4.6	1	1.1	<0.59 ± 0.13	<0.55 ± 0.14			
R e s e r v o i r s s	Lake Yuno	Kawamata Dam Reservoir	Center	Nikko City	Surface layer	2014/5/27	Sunny	21.9	73.5	18.2	0.5	Greenish dark gray	None	6.2	10.9	<1	0.5	<0.52 ± 0.10	<0.58 ± 0.11		
					Deep layer			8.5	72.5	-	None			11.7	<1	0.7	<0.60 ± 0.12	<0.58 ± 0.11			
					Surface layer	2014/8/5	Sunny	27.5	68.0	25.8	0.5	Light grayish yellowish green	None	8.4	8.8	<1	0.2	<0.67 ± 0.13	<0.56 ± 0.12		
					Deep layer			9.3	67.0	-	None			11.0	2	0.3	<0.73 ± 0.13	<0.71 ± 0.12			
					Surface layer	2014/10/3	Sunny	22.8	67.0	19.1	0.5	Grayish yellow green	None	7.2	8.7	<1	0.5	<0.55 ± 0.10	<0.56 ± 0.14		
		Lake Yuno	Center		Deep layer			8.4	66.0	-	None			11.3	5	5.9	<0.51 ± 0.11	<0.56 ± 0.15			
					Surface layer	2014/12/5	Cloudy	2.3	76.0	9.0	0.5	Dark grayish yellowish green	None	6.3	6.4	<1	0.5	<0.74 ± 0.15	<0.66 ± 0.16		
					Deep layer			5.5	75.0	-	None			6.1	2	1.7	<0.52 ± 0.12	<0.50 ± 0.094			
					Surface layer	2014/6/6	Light rain	11.3	12.8	17.5	0.5	Yellow greenish dark gray	None	2.3	15.3	1	0.7	<0.60 ± 0.12	<0.58 ± 0.090		
					Deep layer			11.5	11.8	-	None			16.2	1	1.0	<0.47 ± 0.10	<0.52 ± 0.12			

Tochigi Lakes and Reservoirs (Water) 2/2

No.	Water area	Location			Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Water								Remarks					
		Location		Municipality					General items				Activity concentration(Bq/L)									
		Water temperature (°C)	Sampling depth (m)						Color	Odor	Secchi disk depth (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Cs-134	Cs-137						
63	Kinugawa River System	Lake Chuzenji	Center	Nikko City	2014/5/30	Sunny	19.2	162.0	12.8 -	0.5 -	Grayish bluish green None	10.0 -	11.3 11.5 3	2	0.4 0.4 0.4	<0.55 ± 0.10 <0.57 ± 0.11 <0.60 ± 0.12	<0.52 ± 0.098 <0.60 ± 0.12					
					2014/8/7	Sunny	27.0	162.4	23.3 8.9	0.5 161.4	Dark grayish greenish blue None	8.5 11.7	10.3 11.7 <1	1	0.3 0.2 0.2	<0.50 ± 0.12 <0.69 ± 0.14 <0.62 ± 0.13	<0.50 ± 0.12 <0.62 ± 0.13					
					2014/10/8	Sunny	14.0	162.2	17.0 6.4	0.5 161.2	Dark grayish greenish blue None	9.5 11.3	10.1 11.3 <1	1	0.2 0.2 0.2	<0.48 ± 0.10 <0.56 ± 0.11 <0.59 ± 0.12	<0.51 ± 0.12 <0.59 ± 0.12					
					2014/12/9	Sunny	1.2	167.5	6.8 4.2	0.5 166.5	Dark grayish bluish green None	9.0 10.9	10.5 10.9 <1	1	0.8 0.8 0.3	<0.58 ± 0.10 <0.71 ± 0.16 <0.61 ± 0.13	<0.71 ± 0.16 <0.62 ± 0.13					
					2014/5/26	Cloudy	20.6	6.5	20.5 20.2	0.5 5.5	Grayish greenish yellow None	0.7	19.3 17.6 53	4	1.9 1.5 15	<0.65 ± 0.12 <0.55 ± 0.12 <0.73 ± 0.14	<0.58 ± 0.15 <0.55 ± 0.11					
		Watarase Reservoir	Center	Tochigi City	2014/8/8	Cloudy	29.7	2.4	30.2 29.9	0.5 1.4	Grayish greenish yellow None	0.5	19.5 18.6 12	13	6.5 9.4 9.2	<0.55 ± 0.11 <0.46 ± 0.098 <0.65 ± 0.11	<0.55 ± 0.11 <0.62 ± 0.14 <0.62 ± 0.14					
					2014/10/7	Sunny	21.0	3.9	21.5 21.3	0.5 2.9	Grayish greenish yellow None	0.7	18.6 18.9 12	12	5.6 5.6 5.4	<0.55 ± 0.14 <0.58 ± 0.11 <0.62 ± 0.14	<0.55 ± 0.14 <0.62 ± 0.14 <0.62 ± 0.14					
					2014/12/15	Sunny	3.6	6.7	8.1 8.0	0.5 5.7	Grayish yellow green None	1.4	17.3 17.7	8	0.60 ± 0.12 0.48 ± 0.087	<0.45 ± 0.047 <0.63 ± 0.14	<0.45 ± 0.047 <0.63 ± 0.14					

Tochigi Lakes and Reservoirs (Sediment) 1/1

No.	Water area	Location	Municipality	Sampling Date	Weather	Air temperature (°C)	Water depth (m)	Sediment													Activity concentration [Bq/kg(dry)]			Remarks			
								General items																			
								Sediment temperature (°C)		Sample length (cm)		Color		Odor		Grain size distribution(%)				Sediment content (%)		Density (g/cm³)		Property			
								Fine	Medium	Fine	Medium	Fine	Medium	Fine	Silt	Clay	Fine sand	Medium sand	Coarse sand	Medium gravel	Coarse gravel	Cs-134		Cs-137			
L e k e r e s a n d R e s e r e f r s	Nakagawa River System	Miyama Dam Reservoir	Center	2014/5/29	Sunny	20.7	38.3	8.0	S	Faint hydrogen sulfide	None	0.0	0.4	0.0	0.2	0.1	0.2	43.3	55.9	36.6	2,523	Silt	83 ± 13	160 ± 20	343		
				2014/8/1	Cloudy	28.2	38.0	12.0	S	Dim yellowish brown	Faint drain	0.0	0.0	0.0	0.0	0.1	0.4	50.2	49.3	29.0	2,503	Silt	130 ± 16	430 ± 27	560		
		Naushikura Crk	Shiobara Dam Reservoir	2014/6/16	Sunny	13.3	7.8	11.5	S	Olive green	Faint drain	0.0	0.0	0.0	0.0	0.0	0.0	42.8	57.1	2,513	Silt	300 ± 25	930 ± 41	1,234			
				2014/12/8	Sunny	5.3	29.6	14.0	S	Yellowish brown	Faint drain	0.0	0.0	0.0	0.0	0.1	0.0	41.6	58.0	32.9	2,503	Silt	170 ± 16	510 ± 27	740		
				2014/5/29	Cloudy	21.4	26.8	14.2	S	Faint hydrogen sulfide	Dim yellow	0.0	0.0	0.0	0.0	0.1	0.0	2.9	73.0	24.1	4,285	Silt	230 ± 17	700 ± 30	930		
	Kanagawa River System	Kawaji Dam Reservoir	Center	2014/8/1	Cloudy	29.5	20.0	18.5	S	Grayish olive	Faint drain	0.0	0.0	0.0	0.0	0.1	0.0	3.5	67.1	29.0	37.1	2,460	Silt	260 ± 18	800 ± 31	1,060	
				2014/10/1	Cloudy	15.4	19.4	16.0	S	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.1	0.0	1.2	63.0	35.7	38.2	2,505	Silt	250 ± 18	780 ± 31	1,030	
		Kuri Dam Reservoir	Center	2014/12/1	Cloudy	12.3	31.0	10.5	S	Grayish olive	None	0.0	0.0	0.0	0.0	0.1	0.0	0.1	64.7	35.1	39.7	2,489	Silt	280 ± 21	930 ± 37	1,210	
				2014/8/1	Sunny	22.7	75.5	7.5	S	Dark brown	None	0.0	0.3	0.0	0.0	0.1	0.0	1.6	34.7	62.9	41.4	2,518	Silt	420 ± 23	1,000 ± 38	1,426	
				2014/8/4	Sunny	30.0	6.5	13.0	S	None	None	0.0	0.0	0.0	0.0	0.1	0.0	0.0	50.9	40.9	41.4	2,475	Silt	67 ± 6	240 ± 16	340	
R e s e r e f r s	Kanagawa River System	Kawaji Dam Reservoir	Center	2014/10/2	Cloudy	16.0	66.4	8.2	S	Grayish olive	Medium	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.6	63.2	39.7	2,489	Silt	73 ± 6	170 ± 7	235	
				2014/12/2	Sunny	5.0	71.8	7.0	S	Grayish olive	None	0.0	0.0	0.0	0.0	0.1	0.0	42.1	57.8	46.7	2,581	Silt	80 ± 9.8	250 ± 17	330		
		Kawamata Dam Reservoir	Center	2014/6/5	Cloudy	19.0	65.0	7.5	S	Grayish olive	Faint drain	0.0	0.0	0.0	0.0	0.0	0.0	0.2	44.1	55.7	34.8	2,542	Silt	440 ± 27	1,300 ± 47	1,740	
				2014/8/4	Sunny	31.5	47.1	16.5	S	Dark olive brown	None	0.0	0.0	0.0	0.0	0.0	0.0	0.2	44.9	54.9	31.7	2,535	Silt	2,200 ± 55	650 ± 97	870	
				2014/10/2	Cloudy	16.0	57.6	7.7	S	Grayish olive	None	0.0	0.0	0.0	0.0	0.5	0.4	47.4	51.8	37.8	2,534	Silt	1,100 ± 35	3,400 ± 63	4,500		
	Lake Yuno	Kawamata Dam Reservoir	Center	2014/5/2	Sunny	4.2	49.9	8.0	S	Faint hydrogen sulfide	Faint drain	0.0	0.3	0.0	0.0	0.0	0.0	0.0	46.0	53.6	2,503	Silt	480 ± 25	290 ± 16	3,060		
				2014/5/27	Sunny	21.0	73.5	6.5	S	Grayish olive	Faint drain	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	76.5	35.7	2,555	Silt	83 ± 8	210 ± 14	253	
		Lake Yuno	Center	2014/8/5	Sunny	27.5	6.0	10.0	S	Grayish olive	Faint drain	0.0	0.0	0.0	0.0	0.1	0.1	0.1	14.5	85.3	33.9	2,534	Silt	94 ± 17	260 ± 20	354	
				2014/10/3	Sunny	22.8	67.0	9.0	S	Olive brown	None	0.0	0.0	0.1	0.1	0.2	0.3	23.5	75.8	35.6	2,567	Silt	52 ± 8.8	180 ± 16	232		
				2014/12/5	Cloudy	2.3	76.0	5.8	S	Faint hydrogen sulfide	None	0.0	0.0	0.0	0.3	2.0	3.4	2.8	24.7	66.9	35.2	2,570	Silt	46 ± 9.0	150 ± 15	196	
R e s e r e f r s	Lake Chuzenji	Lake Chuzenji	Center	2014/6/6	Light rain	11.3	12.8	12.0	S	Black	Dim yellow	0.0	0.0	0.0	0.0	0.1	0.1	51.4	48.4	11.9	2,244	Silt	310 ± 48	960 ± 76	1,270		
				2014/8/5	Sunny	28.2	12.2	14.0	S	Faint hydrogen sulfide	Dim yellow	0.0	0.0	0.0	0.0	0.0	0.0	61.6	38.4	22.8	2,326	Silt	50 ± 12	200 ± 22	280		
		Lake Chuzenji	Center	2014/11/8	Sunny	7.3	12.5	4.0	S	Black	Faint drain	0.0	0.0	0.0	0.0	0.0	0.0	46.6	53.4	18.4	2,295	Silt	79 ± 10	260 ± 6.4	339		
				2014/5/30	Sunny	19.2	16.2	0.2	S	Greenish black	Faint drain	0.0	0.0	0.0	0.1	0.1	0.6	27.7	71.5	12.6	2,130	Silt	230 ± 39	610 ± 60	840		
				2014/8/7	Sunny	27.0	16.2	9.0	S	Black	None	0.0	0.0	0.0	0.0	0.1	0.8	43.5	55.6	15.1	2,163	Silt	170 ± 27	470 ± 41	640		
	Watarase River System	Lake Chuzenji	Center	2014/10/8	Sunny	14.0	16.2	6.0	S	Black	Faint drain	0.0	0.0	0.0	0.0	0.3	0.2	57.7	2,132	Silt	110 ± 29	440 ± 45	550				
				2014/12/9	Sunny	1.2	16.5	3.5	S	Faint hydrogen sulfide	Faint drain	0.0	0.0	0.0	0.0	0.0	0.0	0.3	47.0	52.9	12.4	2,196	Silt	230 ± 32	780 ± 57	1,010	
		Watarase Reservoir	Center	2014/6/20	Cloudy	20.4	20.8	10.4	S	Olive green	None	0.0	0.0	0.0	0.0	0.5	1.5	13.0	44.4	40.8	46.3	2,582	Silt	46 ± 6.6	100 ± 9.8	140	
				2014/8/8	Sunny	29.5	2.4	29.5	S	Black	None	0.0	0.5	0.5	0.3	1.0	0.0	0.0	45.9	54.0	2,525	Silt	34 ± 5.0	100 ± 5.4	124		
				2014/10/7	Sunny	21.0	3.9	21.0	S	Grayish olive	Faint drain	0.0	0.0	0.0	0.6	1.7	5.2	36.6	55.1	43.0	2,570	Silt	24 ± 7.0	120 ± 11	144		
T o c h i c i t y	Tochigi City	Watarase Reservoir	Center	2014/12/15	Sunny	3.6	6.7	7.8	S	Olive black	None	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,516	Sand+silt	91 ± 7.6	330 ± 14	421				

Tochigi Reservoirs (Surrounding Environment) 1/1

	Location				Sampling Date	Weather	Air temperature (°C)	Surrounding Environment(Soil,Air dose)								Remarks					
								Soil			General items		Air Dose (μSv/h)								
	No.	Water area	Location					Color	Odor	Property	Activity concentration [Bq/kg(dry)]										
											Cs-134	Cs-137	Total								
Lake and Reservoirs	57	Nakagawa River System	Miyama Dam Reservoir	Center	2014/5/29	Sunny	20.7	Blackish brown	faint earth	Loamy	120 ± 13	390 ± 21	510	0.10							
						Cloudy	28.2	Dark brown	faint earth	Loamy	230 ± 21	640 ± 35	870	0.10							
			Shiobara Dam Reservoir	Center		Sunny	13.3	Blackish brown	faint earth	Loamy	43 ± 8.2	140 ± 14	183	0.10							
						Sunny	5.2	Blackish brown	faint earth	Loamy	45 ± 6.0	150 ± 10	195	0.10							
						Cloudy	21.4	Blackish brown	faint earth	Loamy	570 ± 22	1,700 ± 38	2,270	0.20							
	58				2014/8/1	Cloudy	29.5	Dark grayish yellow	faint earth	Loamy	550 ± 21	1,500 ± 35	2,050	0.33							
						Cloudy	15.4	Grayish olive	faint earth	Loamy	370 ± 17	1,200 ± 31	1,570	0.20							
						Cloudy	12.3	Dark olive brown	faint earth	Loamy	74 ± 8.0	270 ± 14	344	0.28							
						Sunny	22.5	Dark brown	faint earth	Loamy	420 ± 17	1,100 ± 28	1,520	0.19							
						Sunny	30.0	Blackish brown	faint earth	Loamy	330 ± 16	930 ± 26	1,260	0.22							
Lake and Reservoirs	59	Kinugawa River System	Kawaji Dam Reservoir	Center	2014/10/2	Cloudy	16.0	Dim yellowish brown	faint earth	Loamy	260 ± 13	730 ± 23	990	0.22							
						Sunny	5.0	Dark olive brown	faint earth	Loamy	210 ± 13	720 ± 24	930	0.19							
						Cloudy	19.0	Brown	faint earth	Loamy	360 ± 19	1,000 ± 32	1,360	0.19							
						Sunny	31.5	Dim yellowish brown	faint earth	Loamy	92 ± 8.4	300 ± 15	392	0.20							
						Cloudy	16.0	Brown	faint earth	Loamy	140 ± 11	510 ± 19	650	0.19							
	60	Kawamata Dam Reservoir	Ikari Dam Reservoir	Center	2014/12/2	Sunny	4.2	Dark grayish yellow	faint earth	Loamy	230 ± 14	750 ± 25	980	0.18							
						Sunny	21.9	Blackish brown	faint earth	Loamy	24 ± 5.8	85 ± 8.6	109	0.07							
						Sunny	27.5	Blackish brown	faint earth	Loamy	15 ± 3.8	65 ± 7.2	80	0.08							
						Sunny	22.8	Dark grayish yellow	faint earth	Loamy	22 ± 2.7	58 ± 4.3	80	0.09							
						Cloudy	2.3	Blackish brown	faint earth	Loamy	<5.9 ± 1.9	17 ± 2.7	17	0.09							
Lake and Reservoirs	61	Lake Yuno	Lake Yuno	Center	2014/6/6	Light rain	11.3	Dim yellowish brown	faint earth	Loamy	17 ± 2.6	45 ± 3.9	62	0.09							
						Sunny	28.2	Dim yellowish brown	faint earth	Loamy	20 ± 3.7	65 ± 7.1	85	0.10							
						Sunny	11.7	Dim yellowish brown	faint earth	Loamy	22 ± 4.1	81 ± 7.7	103	0.10							
						Sunny	7.2	Brown	faint earth	Loamy	37 ± 5.2	110 ± 9.0	147	0.10							
						Sunny	19.2	Blackish brown	faint earth	Loamy	65 ± 7.7	160 ± 12	225	0.09							
	62	Lake Chuzenji	Lake Chuzenji	Center	2014/10/6	Sunny	27.0	Blackish brown	faint earth	Loamy	72 ± 8.1	260 ± 14	332	0.11							
						Sunny	14.0	Blackish brown	faint earth	Loamy	94 ± 8.1	350 ± 15	444	0.07							
						Sunny	1.2	Blackish brown	faint earth	Loamy	120 ± 9.4	400 ± 17	520	0.11							
						Cloudy	20.6	Brown	faint earth	Loamy	99 ± 11	240 ± 19	339	0.07							
						Cloudy	29.7	Dark grayish yellow	faint earth	Loamy	270 ± 18	740 ± 29	1,010	0.08							
Lake and Reservoirs	63	Watarase River System	Watarase Reservoir	Center	2014/10/7	Sunny	21.0	Dark brown	faint earth	Loamy	54 ± 8.3	160 ± 13	214	0.08							
						Sunny	3.6	Dim yellowish brown	faint earth	Loamy	48 ± 4.7	150 ± 7.7	198	0.08							
						Sunny	3.6	Dim yellowish brown	faint earth	Loamy	48 ± 4.7	150 ± 7.7	198	0.08							
						Sunny	3.6	Dim yellowish brown	faint earth	Loamy	48 ± 4.7	150 ± 7.7	198	0.08							
Lake and Reservoirs	64	Tochigi City	Tochigi City	Tochigi City	2014/12/15	Sunny	3.6	Dim yellowish brown	faint earth	Loamy	48 ± 4.7	150 ± 7.7	198	0.08							

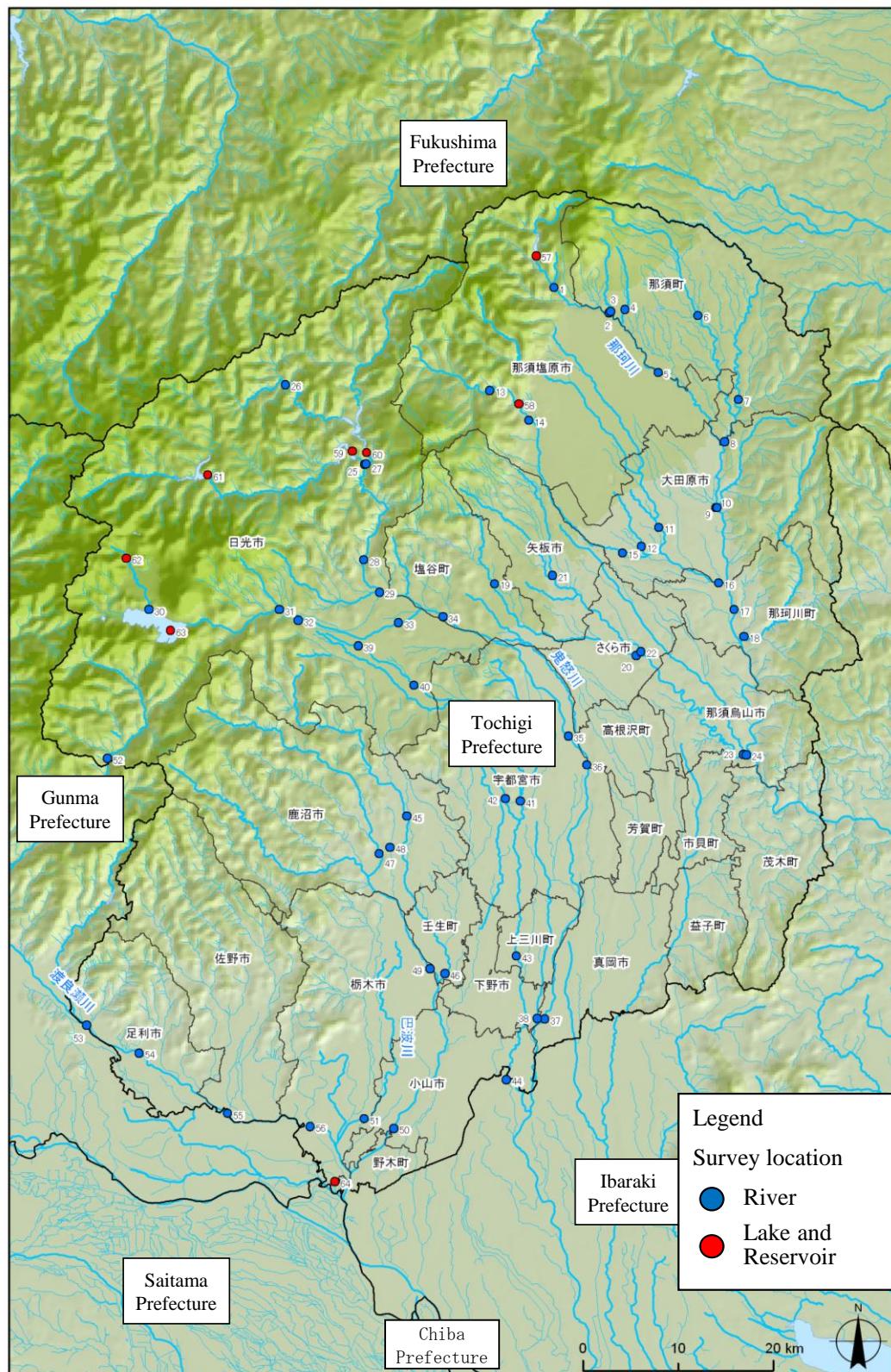


Figure 3.5.6 Survey Locations (Tochigi Prefecture)