

National Radioactive Material Monitoring in the Water Environment in the Whole of
Japan (2018)

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Results of Measurement in Public Water Areas (Water)

Results of Measurement in Public Water Areas (Water)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items						Water					Remarks
			Water area	Location	Municipality				Sampling depth (m)	Transparency (River) (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ -ray emitting radionuclides			Total β radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)	
1	Hokkaido Prefecture	River	Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2018/8/30	Cloudy	1.1	0.1	47	-	6.5	13	5	K-40	0.054	0.030	0.048	0.023	
2	Hokkaido Prefecture	River	Ishikari River	Intake at the Shirakawa water purification plant in Sapporo City	Sapporo City	2018/9/21	Sunny	1.9	0.1	76	-	16.0	3	2	K-40	0.089	0.024	0.057	0.023	
3	Hokkaido Prefecture	River	Teshio River	Nakashibetsu Bridge (Intake at the Higashiyama water purification plant in Shibetsu City)	Shibetsu City	2018/8/30	Cloudy	1.0	0.1	81	-	5.5	8	3	Be-7	0.021	0.0078	ND	0.024	
4	Hokkaido Prefecture	River	Tokoro River	Tadashi Bridge	Kitami City	2018/8/28	Cloudy	1.2	0.1	65	-	13.2	13	4	K-40	0.063	0.033	0.10	0.024	
5	Hokkaido Prefecture	River	Kushiro River	Intake at the Aikoku water purification plant in Kushiro City	Kushiro City	2018/8/21	Cloudy	2.1	0.1	68	-	15.3	21	3	K-40	0.061	0.031	0.066	0.025	
6	Hokkaido Prefecture	River	Tokachi River	Nantai Bridge	Obihiro City	2018/9/14	Sunny	1.1	0.1	>100	-	6.3	1	<1	K-40	0.063	0.021	0.052	0.023	
7	Hokkaido Prefecture	River	Sarugawa River	Sarugawa Bridge (Tomigawa)	Hidaka Town	2018/9/13	Sunny	0.9	0.1	26	-	12.3	18	8	K-40	0.031	0.022	0.049	0.025	
8	Hokkaido Prefecture	River	Matsukura River	Mitsumori Bridge (Before the confluence with Torasawa River)	Hakodate City	2018/9/19	Sunny	0.4	0.1	>100	-	7.1	<1	<1	K-40	0.037	0.029	0.046	0.024	
9	Hokkaido Prefecture	River	Shiribeshi-toshibetsu River	Intake at the Kitahiyama simple water plant in Kitahiyama Town	Setana Town	2018/9/20	Sunny	0.7	0.1	>100	-	6.7	1	<1	K-40	0.020	0.018	ND	0.023	
10	Aomori Prefecture	River	Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2018/8/27	Cloudy	3.7	0.1	53	-	13.2	5	3	K-40	0.062	0.027	0.076	0.023	
11	Aomori Prefecture	River	Mabechi River	Shiriuchi Bridge	Hachinohe City	2018/10/25	Sunny	1.0	0.1	>100	-	13.3	2	<1	K-40	0.061	0.031	0.062	0.023	
12	Iwate Prefecture	River	Mabechi River	Fugane Bridge	Ninohe City	2018/8/24	Sunny	1.6	0.1	70	-	11.2	4	<1	K-40	0.043	0.027	ND	0.024	
13	Iwate Prefecture	River	Heigawa River	Miyako Bridge	Miyako City	2018/8/23	Sunny	1.3	0.1	>100	-	347	<1	<1	K-40	0.69	0.085	0.52	0.068	
14	Iwate Prefecture	River	Kitakami River	Chitose Bridge	Ichinoseki City	2018/10/26	Sunny	1.0	0.1	>100	-	14.9	1	<1	K-40	0.042	0.023	0.039	0.024	
15	Miyagi Prefecture	River	Abukuma River	Iwanuma (Abukuma Bridge)	Ichinoseki City	2018/8/20	Sunny	1.0	0.1	45	-	16.4	7	2	K-40	0.078	0.026	0.056	0.023	
															Cs-134	0.0014	0.0011			
															Cs-137	0.013	0.0013			
16	Miyagi Prefecture	River	Natori River	Yuriage-ohashi Bridge	Natori City	2018/8/21	Sunny	1.0	0.1	75	-	209	4	1	K-40	0.39	0.040	0.28	0.060	
17	Akita Prefecture	River	Yoneshiro River	Noshiro Bridge	Noshiro City	2018/8/29	Cloudy	3.3	0.1	83	-	19.7	3	<1	K-40	0.070	0.023	0.035	0.024	
18	Akita Prefecture	River	Omono River	Kurose Bridge	Akita City	2018/10/24	Rain	1.5	0.1	>100	-	13.1	1	<1	Be-7	0.011	0.0085	0.032	0.023	
															K-40	0.038	0.022			

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Results of Measurement in Public Water Areas (Water)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items						Water					Remarks
			Water area	Location	Municipality				Sampling depth (m)	Transparency (River) (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ -ray emitting radionuclides			Total β radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)	
19	Yamagata Prefecture	River	Mogami River	Ryou Bridge	Sakata City	2018/10/23	Sunny	3.0	0.1	>100	-	23.0	2	<1	K-40	0.064	0.026	0.076	0.023	
20	Yamagata Prefecture	River	Akagawa River	Shinkawa Bridge	Sakata City	2018/10/22	Sunny	1.0	0.1	>100	-	11.7	1	<1	K-40	0.036	0.013	0.040	0.024	
21	Fukushima Prefecture	River	Agano River	Shingo Dam	Kitakata City	2018/9/26	Sunny	6.6	0.1	80	-	9.8	5	2	Be-7	0.010	0.0095	0.075	0.023	
															K-40	0.064	0.026			
															Cs-137	0.0054	0.0011			
22	Fukushima Prefecture	River	Abukuma River	Taisho Bridge (Fushiguro)	Date City	2018/9/24	Sunny	1.2	0.1	>100	-	17.1	8	3	K-40	0.11	0.026	0.093	0.024	
															Cs-134	0.0018	0.0012			
															Cs-137	0.021	0.0013			
23	Fukushima Prefecture	River	Kujigawa River	Takachiara Bridge	Yamatsuri Town	2018/9/28	Rain	1.8	0.1	>100	-	10.3	5	<1	K-40	0.043	0.023	0.046	0.023	
															Cs-137	0.0051	0.0011			
															K-40	0.19	0.014			
24	Ibaraki Prefecture	Lake	Lake Kasumigaura	Center (Surface layer)	Miho Village	2018/8/31	Sunny	5.9	0.1	33	0.8	31.8	12	6	Cs-134	0.0026	0.00097	0.16	0.025	
				Cs-137											0.025	0.00083				
				K-40											0.19	0.013				
				Cs-134											0.0023	0.0010				
				Cs-137											0.027	0.00085				
				K-40											0.12	0.018				
25	Ibaraki Prefecture	River	Kokai River	Fumimaki Bridge	Toride City	2018/10/29	Sunny	1.0	0.1	86	-	22.5	9	17	Cs-137	0.0032	0.0010	0.13	0.024	
															K-40	0.070	0.032			
26	Tochigi Prefecture	River	Nakagawa River	Shinnaka Bridge	Nakagawa Town	2018/9/27	Cloudy	1.0	0.1	>100	-	15.0	2	<1	Cs-137	0.0037	0.0013	0.071	0.023	
															K-40	0.026	0.025			
27	Tochigi Prefecture	River	Kinugawa River	Kinugawa Bridge (Hoshakuji Temple)	Utsunomiya City	2018/9/12	Cloudy	2.5	0.1	>100	-	9.7	3	1	Cs-137	0.0029	0.0011	0.026	0.024	
															K-40	0.13	0.034			
28	Gunma Prefecture	River	Tonegawa River	Toneozeki Weir	Chiyoda Town /Gyoda City (Saitama Prefecture)	2018/8/31	Sunny	0.8	0.1	64	-	24.1	5	4	Cs-137	0.0033	0.0014	0.10	0.025	
															K-40	0.085	0.029			
29	Gunma Prefecture	River	Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2018/8/23	Sunny	3.8	0.1	80	-	19.1	2	3	Cs-137	0.0018	0.0012	0.075	0.023	
															K-40	0.056	0.015			
30	Saitama Prefecture	River	Arakawa River	Kugebashi Bridge	Kumagaya City	2018/10/9	Cloudy	1.0	0.1	>100	-	17.1	12	2	K-40	0.056	0.015	0.060	0.024	
31	Saitama Prefecture	River	Arakawa River	Akigase Intake Weir	Saitama City/Shiki City	2018/9/20	Cloudy	3.7	0.1	68	-	21.1	9	6	K-40	0.067	0.024	0.088	0.024	
32	Saitama Prefecture	River	Edogawa River	Nagareyama Bridge	Nagareyama City (Chiba Prefecture) /Misato City	2018/9/10	Cloudy	0.6	0.1	50	-	21.7	21	6	K-40	0.097	0.033	0.098	0.025	
															Cs-137	0.0040	0.0014			

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Results of Measurement in Public Water Areas (Water)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items						Water					Remarks
			Water area	Location	Municipality				Sampling depth (m)	Transparency (River) (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ -ray emitting radionuclides			Total β radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)	
33	Chiba Prefecture	River	Tonegawa River	Kakozeki Weir	Tonosho Town	2018/10/12	Cloudy	4.4	0.1	50	-	26.1	9	9	K-40	0.11	0.029	0.12	0.024	
34	Chiba Prefecture	River	Ichinomiya River	Nakano Bridge	Ichinomiya Town	2018/10/22	Sunny	2.5	0.1	66	-	1600	6	4	K-40	2.9	0.083	2.8	0.22	
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake (Surface layer)	Sakura City	2018/10/26	Cloudy	1.4	0.1	21	0.6	24.1	32	16	K-40	0.12	0.014	0.13	0.025	
				Cs-134											0.0016	0.00091				
				Cs-137					0.016	0.00076										
				Lower area of water purification plant intake (Bottom layer)					0.4	18		24.7	32	14	K-40	0.11	0.013	0.15	0.025	
Cs-134	0.0015	0.00084																		
Cs-137	0.016	0.00077																		
36	Tokyo Metropolis	River	Edogawa River	Shinkatsushika Bridge	Katsushika City	2018/9/10	Cloudy	0.8	0.1	70	-	21.8	8	3	K-40	0.091	0.026	0.097	0.023	
															Cs-137	0.0048	0.0013			
37	Tokyo Metropolis	River	Tamagawa River	Hajima raw water supply point	Akishima City	2018/8/30	Cloudy	1.1	0.1	>100	-	10.4	2	1	K-40	0.039	0.024	0.025	0.023	
38	Tokyo Metropolis	River	Sumida River	Ryogoku Bridge	Chuo City/Sumida City	2018/8/31	Sunny	2.1	0.1	80	-	782	7	3	K-40	1.4	0.087	1.2	0.17	
															Cs-137	0.0073	0.0036			
39	Tokyo Metropolis	River	Arakawa River	Kasai Bridge	Koto City /Edogawa City	2018/9/3	Cloudy	1.9	0.1	50	-	326	17	8	K-40	0.67	0.087	0.44	0.065	
40	Kanagawa Prefecture	River	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2018/8/29	Cloudy	5.7	0.1	>100	-	1070	4	3	K-40	2.1	0.085	1.9	0.18	
															Cs-137	0.0044	0.0040			
41	Kanagawa Prefecture	River	Sagami River	Banyu Bridge	Hiratsuka City	2018/10/26	Cloudy	2.3	0.1	>100	-	619	3	1	K-40	1.0	0.081	0.87	0.15	
42	Kanagawa Prefecture	River	Sakawa River	Sakawa Bridge	Odawara City	2018/9/12	Sunny	0.7	0.1	72	-	13.5	5	6	K-40	0.035	0.030	0.072	0.024	
43	Niigata Prefecture	River	Shinano River	Heisei-ohashi Bridge	Niigata City	2018/10/23	Sunny	4.1	0.1	61	-	14.3	16	3	K-40	0.079	0.018	0.058	0.024	
44	Niigata Prefecture	River	Agano River	Oun Bridge	Niigata City	2018/10/23	Sunny	2.0	0.1	69	-	9.1	7	3	K-40	0.058	0.016	0.044	0.023	
															Cs-137	0.0021	0.00089			
45	Toyama Prefecture	River	Jinzu River	Hagiura Bridge	Toyama City	2018/8/24	Cloudy	5.4	0.1	>100	-	848	3	<1	K-40	1.5	0.086	1.6	0.084	
46	Ishikawa Prefecture	River	Saigawa River	Okuwa Bridge	Kanazawa City	2018/11/8	Sunny	0.8	0.1	>100	-	9.8	3	<1	K-40	0.018	0.014	0.028	0.024	
47	Ishikawa Prefecture	River	Tedori River	Hakusangoguchi Dike	Hakusan City	2018/8/22	Sunny	0.9	0.1	52	-	10.2	6	3	K-40	0.043	0.014	0.045	0.023	
48	Fukui Prefecture	River	Kuzuryu River	Fuseda Bridge	Fukui City	2018/10/29	Cloudy	0.8	0.1	>100	-	268	6	2	K-40	0.40	0.031	0.43	0.062	

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Results of Measurement in Public Water Areas (Water)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items						Water					Remarks
			Water area	Location	Municipality				Sampling depth (m)	Transparency (River) (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ -ray emitting radionuclides			Total β radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)	
49	Fukui Prefecture	River	Kitagawa River	Takatsuka Bridge	Obama City	2018/8/20	Cloudy	0.7	0.1	>100	-	11.7	1	<1	K-40	0.033	0.014	0.036	0.024	
50	Yamanashi Prefecture	River	Sagami River	Katsuragawa Bridge	Uenohara City	2018/8/21	Sunny	2.9	0.1	>100	-	13.5	<1	<1	-	-	-	0.051	0.024	
51	Yamanashi Prefecture	River	Fujikawa River	Nanbu Bridge	Nanbu Town	2018/8/20	Cloudy	0.4	0.1	>100	-	19.1	<1	<1	K-40	0.071	0.023	0.068	0.023	
52	Nagano Prefecture	River	Shinano River	Ozeki Bridge	Iiyama City	2018/8/28	Rain	0.5	0.1	>100	-	19.0	9	2	K-40	0.098	0.019	0.072	0.023	
53	Nagano Prefecture	River	Saigawa River	Koichi Bridge	Nagano City	2018/8/30	Cloudy	2.0	0.1	>100	-	13.5	2	1	K-40	0.050	0.018	0.057	0.024	
54	Nagano Prefecture	River	Tenryu River	Tsutsuji Bridge	Iida City	2018/10/31	Sunny	0.9	0.1	>100	-	14.1	5	3	K-40	0.080	0.016	0.083	0.024	
55	Gifu Prefecture	River	Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2018/9/26	Cloudy	1.4	0.1	>100	-	5.0	4	3	K-40	0.025	0.019	0.030	0.022	
56	Gifu Prefecture	River	Nagara River	Tokai-ohashi Bridge	Kaizu City	2018/9/26	Cloudy	6.0	0.1	>100	-	9.0	1	<1	K-40	0.034	0.020	0.032	0.023	
57	Shizuoka Prefecture	River	Kanogawa River	Kurose Bridge	Numazu City	2018/9/19	Sunny	1.4	0.1	>100	-	12.6	4	<1	K-40	0.060	0.036	ND	0.025	
58	Shizuoka Prefecture	River	Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town	2018/10/26	Sunny	1.5	0.1	16	-	14.9	33	2	Ac-228	0.0048	0.0041	0.079	0.024	
															K-40	0.097	0.018			
															Pb-212	0.0024	0.0017			
59	Shizuoka Prefecture	River	Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu City	2018/10/25	Sunny	4.7	0.1	26	-	11.0	22	16	K-40	0.091	0.016	0.086	0.023	
60	Aichi Prefecture	River	Shonai River	Mizuwake Bridge	Nagoya City	2018/9/11	Rain	0.5	0.1	65	-	38.4	12	5	K-40	0.17	0.021	0.14	0.024	
61	Aichi Prefecture	River	Yahagi River	Iwazutenjin Bridge	Okazaki City /Toyota City	2018/10/11	Cloudy	3.9	0.1	70	-	5.3	10	7	K-40	0.052	0.014	0.052	0.024	
62	Aichi Prefecture	River	Toyogawa River	Eshima Bridge	Toyokawa City	2018/9/12	Rain	1.3	0.1	>100	-	5.4	2	<1	K-40	0.032	0.014	0.028	0.023	
63	Mie Prefecture	River	Suzuka River	Ogura Bridge	Yokkaichi City	2018/9/28	Sunny	0.5	0.1	80	-	15.1	5	1	K-40	0.10	0.016	0.086	0.025	
64	Mie Prefecture	River	Miyakawa River	Watarai Bridge	Ise City	2018/8/20	Cloudy	1.6	0.1	>100	-	8.5	2	1	K-40	0.021	0.012	0.033	0.023	
65	Shiga Prefecture	River	Adogawa River	Joan Bridge	Takashima City	2018/9/17	Cloudy	1.3	0.1	>100	-	5.6	5	2	K-40	0.023	0.016	ND	0.023	

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Results of Measurement in Public Water Areas (Water)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items						Water					Remarks
			Water area	Location	Municipality				Sampling depth (m)	Transparency (River) (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ -ray emitting radionuclides			Total β radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)	
66	Shiga Prefecture	Lake	Lake Biwako	Karasakioki-Chuo (Surface layer)	-	2018/10/23	Sunny	4.3	0.1	>100	2.6	11.6	3	2	K-40	0.046	0.015	0.043	0.023	
				Karasakioki-Chuo (Bottom layer)					3.3	>100		11.6	3	2	K-40	0.043	0.015	0.051	0.023	
67	Kyoto Prefecture	River	Yuragawa River	Yuragawa Bridge	Maizuru City	2018/10/22	Cloudy	2.4	0.1	>100	-	20.6	1	<1	K-40	0.054	0.018	0.079	0.023	
68	Kyoto Prefecture	River	Katsura River	Before the confluence of three tributaries of Katsura River	Oyamazaki Town	2018/10/24	Sunny	2.0	0.1	>100	-	25.8	2	<1	K-40	0.16	0.019	0.17	0.025	
69	Osaka Prefecture	River	Inagawa River	Gunko Bridge	Itami City (Hyogo Prefecture)	2018/9/19	Sunny	0.4	0.1	>100	-	14.8	2	<1	K-40	0.055	0.019	0.055	0.024	
70	Osaka Prefecture	River	Yodogawa River	Sugaharashirokita-ohashi Bridge	Osaka City	2018/9/20	Rain	4.0	0.1	80	-	12.6	8	3	K-40	0.077	0.017	0.077	0.024	
71	Osaka Prefecture	River	Ishikawa River	Takahashi	Tondabayashi City	2018/9/18	Sunny	0.4	0.1	>100	-	20.1	<1	<1	K-40	0.058	0.023	0.049	0.023	
72	Hyogo Prefecture	River	Kakogawa River	Kakogawa Bridge	Kakogawa City	2018/9/13	Cloudy	1.8	0.1	96	-	11.0	7	3	K-40	0.063	0.020	0.075	0.024	
73	Hyogo Prefecture	River	Mukogawa River	Hyakkenbi	Takarazuka City	2018/9/14	Cloudy	0.4	0.1	>100	-	14.9	3	3	K-40	0.096	0.020	0.090	0.024	
74	Hyogo Prefecture	River	Maruyama River	Kaminogo Bridge	Toyooka City	2018/9/12	Cloudy	1.2	0.1	78	-	8.7	6	2	K-40	0.031	0.019	0.044	0.023	
75	Nara Prefecture	River	Yamato River	Fujii	Oji Town	2018/8/28	Sunny	0.6	0.1	>100	-	29.8	6	2	K-40	0.17	0.017	0.13	0.024	
76	Nara Prefecture	River	Kinokawa River	Okura Bridge	Gojo City	2018/9/13	Rain	4.7	0.1	50	-	7.8	4	1	K-40	0.041	0.018	0.034	0.023	
77	Wakayama Prefecture	River	Kinokawa River	Shinrokkaizeki Weir	Wakayama City	2018/8/23	Cloudy	2.5	0.1	87	-	11.9	2	<1	K-40	0.053	0.015	0.036	0.024	
78	Wakayama Prefecture	River	Kumano River	Kumano-ohashi Bridge	Shingu City	2018/8/22	Cloudy	0.6	0.1	86	-	9.1	<1	<1	K-40	0.029	0.015	0.029	0.023	
79	Tottori Prefecture	River	Sendai River	Gyotoku	Tottori City	2018/8/28	Cloudy	2.0	0.1	97	-	10.1	6	2	K-40	0.045	0.020	0.044	0.023	
80	Shimane Prefecture	River	Hiikawa River	Kandatsu Bridge	Izumo City	2018/8/30	Cloudy	0.4	0.1	>100	-	11.2	2	<1	K-40	0.038	0.021	0.046	0.023	
81	Shimane Prefecture	River	Gonokawa River	Sakurae-ohashi Bridge	Gotsu City	2018/8/31	Sunny	3.3	0.1	>100	-	12.3	2	<1	K-40	0.061	0.019	0.059	0.024	
82	Okayama Prefecture	River	Asahi River	Otoite Weir	Okayama City	2018/8/27	Sunny	0.6	0.1	>100	-	10.6	<1	<1	K-40	0.035	0.019	0.049	0.024	
83	Okayama Prefecture	River	Takahashi River	Kasumi Bridge	Kurashiki City	2018/10/16	Cloudy	3.2	0.1	87	-	12.5	3	2	K-40	0.051	0.020	0.041	0.023	

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Results of Measurement in Public Water Areas (Water)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items						Water					Remarks
			Water area	Location	Municipality				Sampling depth (m)	Transparency (River) (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ -ray emitting radionuclides			Total β radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)	
84	Hiroshima Prefecture	River	Ota River	Water purification plant intake in Hesaka	Hiroshima City	2018/9/14	Cloudy	2.0	0.1	>100	-	7.0	2	<1	K-40	0.034	0.017	0.031	0.022	
85	Hiroshima Prefecture	River	Ashida River	Kominomi Bridge	Fukuyama City	2018/8/20	Sunny	0.9	0.1	38	-	15.9	13	5	K-40	0.10	0.020	0.077	0.024	
86	Yamaguchi Prefecture	River	Nishiki River	Water purification plant intake for the city	Iwakuni City	2018/8/21	Sunny	5.0	0.1	>100	-	8.3	<1	<1	-	-	-	0.033	0.023	
87	Yamaguchi Prefecture	River	Kotogawa River	Suenobu Bridge	Ube City	2018/8/21	Sunny	2.4	0.1	>100	-	16.4	2	<1	K-40	0.043	0.020	0.052	0.024	
88	Tokushima Prefecture	River	Yoshino River	Takase Bridge	Ishii Town	2018/10/17	Sunny	4.7	0.1	>100	-	9.4	2	1	K-40	0.027	0.016	0.026	0.023	
89	Tokushima Prefecture	River	Nakagawa River	Nakagawa Bridge	Anan City	2018/10/18	Sunny	4.5	0.1	>100	-	8.6	<1	<1	-	-	-	ND	0.023	
90	Kagawa Prefecture	River	Dokigawa River	Marugame Bridge	Marugame City	2018/10/19	Sunny	0.4	0.1	98	-	12.1	3	<1	K-40	0.072	0.020	0.061	0.024	
91	Ehime Prefecture	River	Shigenobu River	Deai Bridge	Matsuyama City	2018/9/3	Sunny	0.2	0.1	>100	-	21.7	4	<1	K-40	0.098	0.022	0.088	0.023	
92	Ehime Prefecture	River	Hijikawa River	Hijikawa Bridge	Ozu City	2018/9/25	Cloudy	0.9	0.1	>100	-	11.6	<1	<1	K-40	0.032	0.018	0.041	0.023	
93	Kochi Prefecture	River	Kagami River	Kachuzeki Weir	Kochi City	2018/9/28	Sunny	0.8	0.1	>100	-	8.1	<1	<1	-	-	-	ND	0.024	
94	Kochi Prefecture	River	Niyodo River	Hatazeki Weir (1) Center of flow	Ino Town	2018/9/27	Sunny	0.5	0.1	>100	-	8.0	<1	<1	K-40	0.018	0.013	0.025	0.024	
95	Fukuoka Prefecture	River	Onga River	Hinode Bridge	Nogata City	2018/8/20	Sunny	1.4	0.1	80	-	32.2	6	5	K-40	0.11	0.018	0.090	0.025	
96	Fukuoka Prefecture	River	Nakagawa River	Shiobara Bridge	Fukuoka City	2018/8/22	Cloudy	0.6	0.1	>100	-	20.3	3	2	K-40	0.055	0.016	ND	0.024	
97	Fukuoka Prefecture	River	Chikugo River	Senoshita	Kurume City	2018/8/21	Sunny	3.2	0.1	50	-	17.5	8	3	K-40	0.13	0.020	0.10	0.024	
98	Saga Prefecture	River	Kasegawa River	Kasebashi Bridge	Saga City	2018/8/23	Cloudy	3.7	0.1	77	-	10.7	4	3	K-40	0.051	0.017	0.039	0.024	
99	Nagasaki Prefecture	River	Honmyogawa River	In front of Tenma Park	Isahaya City	2018/9/14	Cloudy	0.9	0.1	>100	-	13.5	3	1	K-40	0.11	0.021	0.097	0.023	
100	Nagasaki Prefecture	River	Urakami River	Ohashizeki Weir	Nagasaki City	2018/8/30	Cloudy	0.8	0.1	>100	-	15.8	4	1	K-40	0.052	0.016	0.046	0.023	
101	Kumamoto Prefecture	River	Kikuchi River	Shiroishi	Nagomi Town	2018/8/27	Sunny	7.6	0.1	58	-	18.1	12	4	K-40	0.13	0.022	0.11	0.025	
102	Kumamoto Prefecture	River	Midori River	Uesugizeki Weir	Kumamoto City	2018/8/28	Sunny	1.5	0.1	66	-	14.0	5	4	K-40	0.080	0.022	0.063	0.024	

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Results of Measurement in Public Water Areas (Water)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items						Water					Remarks
			Water area	Location	Municipality				Sampling depth (m)	Transparency (River) (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ -ray emitting radionuclides			Total β radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)	
103	Oita Prefecture	River	Oita River	Funai-ohashi Bridge	Oita City	2018/9/12	Cloudy	2.0	0.1	>100	-	21.7	2	1	K-40	0.15	0.029	0.10	0.024	
104	Oita Prefecture	River	Ono River	Shirataki Bridge	Oita City	2018/9/11	Cloudy	1.4	0.1	91	-	9.8	8	4	K-40	0.073	0.025	0.050	0.023	
105	Miyazaki Prefecture	River	Gokase River	Miwa	Nobeoka City	2018/9/13	Cloudy	1.5	0.1	90	-	7.1	3	<1	K-40	0.037	0.020	0.044	0.024	
106	Miyazaki Prefecture	River	Oyodo River	Shinaoi Bridge	Miyazaki City	2018/9/7	Cloudy	1.2	0.1	>100	-	13.0	3	1	K-40	0.064	0.023	0.065	0.024	
107	Kagoshima Prefecture	River	Kotsuki River	Iwasaki Bridge	Kagoshima City	2018/9/4	Cloudy	0.7	0.1	>100	-	15.5	7	1	K-40	0.059	0.024	0.099	0.023	
108	Kagoshima Prefecture	River	Kimotsuki River	Matase Bridge	Kanoya City	2018/9/5	Cloudy	0.9	0.1	>100	-	15.2	4	1	K-40	0.14	0.029	0.13	0.023	
109	Okinawa Prefecture	River	Genka River	Water intake	Nago City	2018/9/20	Cloudy	0.6	0.1	>100	-	16.8	<1	<1	K-40	0.026	0.019	ND	0.024	
110	Okinawa Prefecture	River	Miyara River	Omoto water intake	Ishigaki City	2018/9/18	Sunny	0.7	0.1	62	-	17.3	8	6	K-40	0.055	0.024	0.047	0.024	

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Results of Measurement in Public Water Areas (Sediment)

Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
1	Hokkaido Prefecture	River	Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2018/8/30	Cloudy	1.1	10	76.1	Sand	Ac-228	25	7.5	550	28	
												Bi-214	15	3.5			
												K-40	480	17			
												Pb-212	20	3.3			
												Pb-214	17	3.7			
												Tl-208	7.3	1.8			
2	Hokkaido Prefecture	River	Ishikari River	Intake at the Shirakawa water purification plant in Sapporo City	Sapporo City	2018/9/21	Sunny	1.9	10	80.5	Sand/Gravel	Ac-228	16	5.1	460	31	
												Bi-214	11	3.5			
												K-40	360	17			
												Pb-212	16	2.9			
												Pb-214	11	3.4			
												Tl-208	5.3	1.6			
3	Hokkaido Prefecture	River	Teshio River	Nakashibetsu Bridge (Intake at the Higashiyama water purification plant in Shibetsu City)	Shibetsu City	2018/8/30	Cloudy	1.0	10	72.5	Sand	Ac-228	25	5.9	640	24	
												Bi-214	21	4.4			
												K-40	570	17			
												Pb-212	36	3.4			
												Pb-214	22	3.9			
												Tl-208	12	1.9			
4	Hokkaido Prefecture	River	Tokoro River	Tadashi Bridge	Kitami City	2018/8/28	Cloudy	1.2	10	70.8	Sand	Ac-228	14	7.1	470	28	
												Bi-214	15	3.7			
												K-40	450	18			
												Pb-212	19	2.9			
												Pb-214	15	3.3			
												Tl-208	6.4	1.9			
5	Hokkaido Prefecture	River	Kushiro River	Intake at the Aikoku water purification plant in Kushiro City	Kushiro City	2018/8/21	Cloudy	2.1	10	55.0	Sand/Gravel	Ac-228	7.7	4.8	230	30	
												Bi-214	8.5	2.8			
												K-40	220	20			
												Pb-212	7.2	2.1			
												Pb-214	6.5	2.7			
												Tl-208	2.8	1.0			
6	Hokkaido Prefecture	River	Tokachi River	Nantai Bridge	Obihiro City	2018/9/14	Sunny	1.1	10	75.9	Sand/Gravel	Ac-228	19	3.6	490	22	
												Bi-214	13	2.8			
												K-40	380	14			
												Pb-212	18	2.2			
												Pb-214	15	2.7			
												Tl-208	6.7	1.2			
7	Hokkaido Prefecture	River	Sarugawa River	Sarugawa Bridge (Tomigawa)	Hidaka Town	2018/9/13	Sunny	0.9	10	89.2	Sand/Gravel	Ac-228	13	3.2	330	28	
												Bi-214	15	1.4			
												Bi-214	8.7	2.2			
												K-40	290	13			
												Pb-212	13	2.0			
												Pb-214	10	2.1			
8	Hokkaido Prefecture	River	Matsukura River	Mitsumoribashi Bridge (Before the confluence with Torasawa River)	Hakodate City	2018/9/19	Sunny	0.4	10	78.2	Sand/Gravel	Ac-228	14	3.5	290	30	
												Bi-214	10	2.5			
												K-40	240	14			
												Pb-212	10	2.1			
												Pb-214	9.6	2.2			
												Tl-208	4.0	1.0			
9	Hokkaido Prefecture	River	Ibeshi-toshibetsu R	Intake at the Kitahiyama simple water plant in Kitahiyama Town	Setana Town	2018/9/20	Sunny	0.7	10	70.6	Sand/Gravel	Ac-228	29	6.3	600	23	
												Bi-214	15	4.2			
												K-40	440	21			
												Pb-212	27	3.3			
												Pb-214	17	3.8			
												Tl-208	9.3	1.8			
10	Aomori Prefecture	River	Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2018/8/27	Cloudy	3.7	10	76.0	Sand	Ac-228	12	4.3	370	28	
												Bi-214	8.4	2.5			
												K-40	340	13			
												Pb-212	12	2.0			
												Pb-214	11	2.3			
												Tl-208	2.8	1.2			

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
11	Aomori Prefecture	River	Mabechi River	Shiriuchi Bridge	Hachinohe City	2018/10/25	Sunny	1.0	10	69.3	Sand	Ac-228	10	4.4	250	30	
												Bi-214	9.9	2.5			
												K-40	230	15			
												Pb-212	9.4	2.0			
												Pb-214	8.4	2.4			
												Tl-208	2.7	1.1			
												Cs-137	2.0	1.1			
												Ac-228	11	4.4			
												Bi-214	7.9	2.6			
12	Iwate Prefecture	River	Mabechi River	Fugane Bridge	Ninohe City	2018/8/24	Sunny	1.6	10	63.2	Sand	Ac-228	11	4.4	290	22	
												Bi-214	7.9	2.6			
												K-40	220	15			
												Pb-212	12	2.0			
												Pb-214	9.2	2.1			
												Tl-208	2.8	1.2			
												Cs-137	1.3	1.1			
												Ac-228	16	9.8			
												Bi-212	34	30			
13	Iwate Prefecture	River	Heigawa River	Miyako Bridge	Miyako City	2018/8/23	Sunny	1.3	10	48.4	Silt	Bi-214	15	5.2	630	29	
												K-40	480	25			
												Pb-212	32	3.7			
												Pb-214	19	4.4			
												Tl-208	8.1	2.4			
												Cs-137	8.7	2.5			
												Ac-228	14	4.3			
												Bi-214	8.9	3.4			
												K-40	260	18			
14	Iwate Prefecture	River	Kitakami River	Chitose Bridge	Ichinoseki City	2018/10/26	Sunny	1.0	10	87.0	Sand/Gravel	Pb-212	13	2.4	360	30	
												Pb-214	9.4	3.0			
												Tl-208	3.9	1.5			
												Cs-137	4.6	1.6			
												Ac-228	16	5.7			
												Bi-214	11	4.9			
												K-40	400	18			
												Pb-212	18	3.6			
												Pb-214	11	4.8			
15	Miyagi Prefecture	River	Abukuma River	Iwanuma (Abukuma Bridge)	Ichinoseki City	2018/8/20	Sunny	1.0	10	68.1	Sand	Tl-208	3.7	2.1	510	23	
												Cs-134	8.1	2.2			
												Cs-137	80	2.2			
												Ac-228	11	5.7			
												Bi-214	6.8	3.6			
												K-40	290	20			
												Pb-212	10	3.0			
												Pb-214	6.4	4.1			
												16	Miyagi Prefecture	River			Natori River
Cs-134	4.2	1.5															
Cs-137	41	1.6															
Ac-228	11	5.7															
Bi-214	7.6	3.2															
K-40	330	17															
Pb-212	13	2.4															
Pb-214	9.4	3.1															
17	Akita Prefecture	River	Yoneshiro River	Noshiro Bridge	Noshiro City	2018/8/29	Cloudy	3.3	10	82.9	Sand				Tl-208	4.2	
												Ac-228	20	6.6			
												Bi-214	18	3.4			
												K-40	420	21			
												Pb-212	19	3.0			
												Pb-214	20	3.2			
												Tl-208	5.8	1.8			
												Cs-137	6.9	1.9			
												18	Akita Prefecture	River	Omono River	Kurose Bridge	Akita City
Bi-214	18	3.4															
K-40	420	21															
Pb-212	19	3.0															
Pb-214	20	3.2															
Tl-208	5.8	1.8															
Cs-137	6.9	1.9															

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
19	Yamagata Prefecture	River	Mogami River	Ryou Bridge	Sakata City	2018/10/23	Sunny	3.0	10	56.5	Silt/Sand	Ac-228	21	6.0	520	29	
												Bi-212	27	23			
												Bi-214	19	3.7			
												K-40	420	17			
												Pb-212	19	2.9			
												Pb-214	22	3.4			
												Tl-208	5.9	1.6			
												Cs-137	8.4	1.9			
												Ac-228	42	8.1			
												Bi-214	27	4.8			
20	Yamagata Prefecture	River	Akagawa River	Shinkawa Bridge	Sakata City	2018/10/22	Sunny	1.0	10	32.2	Silt/Sand	Ac-228	470	24	810	33	
												Bi-212	44	3.7			
												Bi-214	25	4.8			
												Tl-208	15	2.1			
												Cs-137	13	2.0			
												Ac-228	35	9.3			
												Bi-212	43	34			
												Bi-214	23	6.3			
												K-40	530	31			
												Pb-212	37	4.6			
Pb-214	27	5.9															
21	Fukushima Prefecture	River	Agano River	Shingo Dam	Kitakata City	2018/9/26	Sunny	6.6	10	52.0	Silt	Ac-228	64	2.8	700	24	
												Bi-212	17	7.1			
												Bi-214	12	7.8			
												K-40	360	20			
												Pb-212	23	6.3			
												Pb-214	16	8.4			
												Tl-208	9.7	3.0			
												Cs-134	35	3.5			
												Cs-137	370	3.3			
												Ac-228	15	6.9			
Bi-214	14	4.1															
22	Fukushima Prefecture	River	Abukuma River	Taisho Bridge (Fushiguro)	Date City	2018/9/24	Sunny	1.2	10	66.7	Sand	Ac-228	610	16	650	29	
												Bi-212	19	3.1			
												Bi-214	17	3.9			
												Tl-208	5.8	1.9			
												Cs-137	4.7	2.1			
												Ac-228	30	6.1			
												Bi-214	19	5.4			
												K-40	290	23			
												Pb-212	31	4.3			
												Pb-214	17	6.4			
23	Fukushima Prefecture	River	Kujigawa River	Takachihara Bridge	Yamatsuri Town	2018/9/28	Rain	1.8	10	77.2	Sand	Ac-228	320	2.8	680	31	
												Bi-212	23	5.9			
												Bi-214	29	21			
												Bi-214	18	3.3			
												K-40	610	16			
												Pb-212	26	2.7			
												Pb-214	19	3.5			
												Tl-208	9.4	1.6			
												Cs-134	2.9	1.5			
												Cs-137	28	1.4			
Ac-228	16	6.6															
24	Ibaraki Prefecture	Lake	Lake Kasumigaura	Center	Miho Village	2018/8/31	Sunny	5.9	10	15.0	Silt	Bi-214	13	3.5	540	25	
												K-40	320	18			
												Pb-212	17	3.1			
												Pb-214	11	3.7			
												Tl-208	5.9	1.6			
												Cs-134	2.0	1.5			
												Cs-137	20	1.6			
												Ac-228	23	5.9			
												Bi-212	29	21			
												Bi-214	18	3.3			
25	Ibaraki Prefecture	River	Kokai River	Fumimaki Bridge	Toride City	2018/10/29	Sunny	1.0	10	75.0	Sand	Ac-228	16	6.6	650	28	
												Bi-212	29	21			
												Bi-214	18	3.3			
												K-40	610	16			
												Pb-212	26	2.7			
												Pb-214	19	3.5			
												Tl-208	9.4	1.6			
												Cs-134	2.9	1.5			
												Cs-137	28	1.4			
												Ac-228	16	6.6			
26	Tochigi Prefecture	River	Nakagawa River	Shinnaka Bridge	Nakagawa Town	2018/9/27	Cloudy	1.0	10	70.2	Sand	Bi-214	13	3.5	420	30	
												K-40	320	18			
												Pb-212	17	3.1			
												Pb-214	11	3.7			
												Tl-208	5.9	1.6			
												Cs-134	2.0	1.5			
												Cs-137	20	1.6			
												Ac-228	23	5.9			
												Bi-212	29	21			
												Bi-214	18	3.3			

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
27	Tochigi Prefecture	River	Kinugawa River	Kinugawa Bridge (Hoshakuji Temple)	Utsunomiya City	2018/9/12	Cloudy	2.5	10	84.5	Sand	Ac-228	35	4.6	630	23	
												Bi-212	33	20			
												Bi-214	19	3.1			
												K-40	570	14			
												Pb-212	31	2.7			
												Pb-214	21	3.1			
												Tl-208	11	1.5			
												Cs-137	4.8	1.4			
												Ac-228	17	6.5			
												Bi-212	11	4.8			
28	Gunma Prefecture	River	Tonegawa River	Toneozeki Weir	Chiyoda Town /Gyoda City (Saitama Prefecture)	2018/8/31	Sunny	0.8	10	54.3	Silt	Ac-228	270	22	370	29	
												Bi-212	18	3.5			
												Pb-214	13	4.4			
												Tl-208	5.9	1.9			
												Cs-134	3.1	2.2			
												Cs-137	37	2.1			
												Ac-228	17	6.1			
												Bi-214	13	3.3			
												K-40	410	18			
												Pb-212	21	3.1			
29	Gunma Prefecture	River	Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2018/8/23	Sunny	3.8	10	80.6	Sand/Gravel	Ac-228	28	5.4	540	31	
												Bi-212	27	2.3			
												Bi-214	18	3.5			
												K-40	410	17			
												Pb-212	32	2.6			
												Pb-214	23	3.3			
												Tl-208	9.3	1.8			
												Ac-228	14	4.2			
												Bi-212	20	16			
												Bi-214	13	2.6			
30	Saitama Prefecture	River	Arakawa River	Kugebashi Bridge	Kumagaya City	2018/10/9	Cloudy	1.0	10	73.5	Silt/Sand/Gravel	Ac-228	360	12	490	29	
												Bi-212	17	2.2			
												Pb-214	12	2.6			
												Tl-208	5.1	1.1			
												Cs-137	4.8	1.2			
												Ac-228	23	5.3			
												Bi-212	26	22			
												Bi-214	17	3.7			
												K-40	410	19			
												Pb-212	28	2.8			
31	Saitama Prefecture	River	Arakawa River	Akigase Intake Weir	Saitama City/Shiki City	2018/9/20	Cloudy	3.7	10	78.5	Sand	Ac-228	18	3.4	380	31	
												Bi-212	8.6	1.6			
												Ac-228	20	4.9			
												Bi-214	9.7	3.9			
												K-40	410	16			
												Pb-212	20	2.7			
												Pb-214	11	3.4			
												Tl-208	6.1	1.4			
												Cs-134	3.2	1.6			
												Cs-137	36	1.5			
32	Saitama Prefecture	River	Edogawa River	Nagareyama Bridge	Nagareyama City (Chiba Prefecture) /Misato City	2018/9/10	Cloudy	0.6	10	60.0	Silt/Sand	Ac-228	9.8	4.9	490	23	
												Bi-212	8.7	2.4			
												K-40	360	14			
												Pb-212	11	2.1			
												Pb-214	9.5	2.2			
												Tl-208	3.8	1.4			
												Cs-137	6.9	1.3			
												Ac-228	20	4.9			
												Bi-214	9.7	3.9			
												K-40	410	16			
33	Chiba Prefecture	River	Tonegawa River	Kakozeki Weir	Tonosho Town	2018/10/12	Cloudy	4.4	10	60.2	Silt/Sand	Ac-228	20	4.9	470	28	
												Bi-212	9.7	3.9			
												K-40	410	16			
												Pb-212	20	2.7			
												Pb-214	11	3.4			
												Tl-208	6.1	1.4			
												Cs-134	3.2	1.6			
												Cs-137	36	1.5			
												Ac-228	9.8	4.9			
												Bi-214	9.7	3.9			
34	Chiba Prefecture	River	Ichinomiya River	Nakano Bridge	Ichinomiya Town	2018/10/22	Sunny	2.5	10	71.4	Silt/Sand	Ac-228	20	4.9	410	30	
												Bi-212	9.7	3.9			
												K-40	410	16			
												Pb-212	20	2.7			
												Pb-214	11	3.4			
												Tl-208	6.1	1.4			
												Cs-134	3.2	1.6			
												Cs-137	36	1.5			
												Ac-228	20	4.9			
												Bi-214	9.7	3.9			

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks													
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity															
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)														
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake	Sakura City	2018/10/26	Cloudy	1.4	10	22.0	Silt	Ac-228	23	6.6	460	24														
												Bi-214	18	6.1																
												K-40	250	24																
												Pb-212	20	5.2																
												Pb-214	13	7.6																
												Tl-208	4.1	3.0																
												Cs-134	35	2.7																
												Cs-137	360	3.0																
												Ac-228	17	6.2																
36	Tokyo Metropolis	River	Edogawa River	Shinkatsushika Bridge	Katsushika City	2018/9/10	Cloudy	0.8	10	65.2	Silt/Sand	Ac-228	17	6.2	500	28														
												Bi-214	15	5.1																
												K-40	330	19																
												Pb-212	20	3.8																
												Pb-214	15	4.9																
												Tl-208	5.5	2.2																
												Cs-134	8.4	1.9																
												Cs-137	91	2.3																
												Ac-228	39	5.7																
37	Tokyo Metropolis	River	Tamagawa River	Haijima raw water supply point	Akishima City	2018/8/30	Cloudy	1.1	10	79.6	Sand/Gravel	Ac-228	31	22	660	31														
												Bi-214	20	3.8																
												K-40	580	17																
												Pb-212	33	3.1																
												Pb-214	21	3.8																
												Tl-208	11	1.6																
												Cs-134	4.2	1.7																
												Cs-137	39	1.9																
												Ac-228	15	6.7																
38	Tokyo Metropolis	River	Sumida River	Ryogoku Bridge	Chuo City/Sumida City	2018/8/31	Sunny	2.1	10	56.3	Silt/Sand/Gravel	Bi-214	9.6	4.1	470	23														
												K-40	320	19																
												Pb-212	18	2.8																
												Pb-214	9.1	3.7																
												Tl-208	4.9	1.8																
												Cs-134	2.2	1.7																
												Cs-137	24	2.1																
												Ac-228	17	7.7																
												39	Tokyo Metropolis	River			Arakawa River	Kasai Bridge	Koto City /Edogawa City	2018/9/3	Cloudy	1.9	10	46.3	Silt/Sand	Bi-214	15	5.1	610	29
K-40	440	20																												
Pb-212	26	4.2																												
Pb-214	12	5.7																												
Tl-208	9.0	2.2																												
Cs-134	16	2.3																												
Cs-137	170	2.4																												
Ac-228	16	5.8																												
40	Kanagawa Prefecture	River	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2018/8/29	Cloudy	5.7	10	37.1	Silt				Bi-214	11										5.2	560	31		
												K-40	360	25																
												Pb-212	20	3.9																
												Pb-214	16	4.9																
												Tl-208	5.4	2.2																
												Cs-134	4.8	2.6																
												Cs-137	55	2.7																
												Ac-228	8.2	4.3																
												41	Kanagawa Prefecture	River	Sagami River	Banyu Bridge	Hiratsuka City	2018/10/26	Cloudy	2.3	10	82.2	Sand/Gravel	Bi-214	7.5	2.6			360	22
K-40	290	12																												
Pb-212	11	2.0																												
Pb-214	10	2.3																												
Tl-208	3.8	1.1																												
Cs-137	5.7	1.2																												
Ac-228	2.4	2.4																												
42	Kanagawa Prefecture	River	Sakawa River	Sakawa Bridge	Odawara City	2018/9/12	Sunny	0.7	10	85.9	Sand/Gravel													Bi-214	2.4	2.4	160	27		
																								K-40	140	13				
												Pb-212	2.4	1.9																
												Pb-214	2.6	1.9																

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
43	Niigata Prefecture	River	Shinano River	Heisei-ohashi Bridge	Niigata City	2018/10/23	Sunny	4.1	10	49.5	Silt/Sand	Ac-228	32	5.9	710	31	
												Bi-212	41	25			
												Bi-214	19	4.4			
												K-40	590	16			
												Pb-212	30	3.0			
												Pb-214	24	3.9			
												Tl-208	12	1.5			
												Cs-137	8.7	2.0			
												Ac-228	24	4.8			
												Bi-212	29	20			
44	Niigata Prefecture	River	Agano River	Oun Bridge	Niigata City	2018/10/23	Sunny	2.0	10	77.6	Sand	Bi-214	17	3.0	780	23	
												K-40	720	15			
												Pb-212	28	2.7			
												Pb-214	17	3.2			
												Tl-208	7.9	1.5			
												Cs-137	6.4	1.4			
												Ac-228	56	9.0			
												Bi-212	56	40			
												Bi-214	36	5.0			
												K-40	620	29			
45	Toyama Prefecture	River	Jinzu River	Hagiura Bridge	Toyama City	2018/8/24	Cloudy	5.4	10	40.0	Silt/Sand	Pb-212	61	4.8	880	30	
												Pb-214	33	6.3			
												Tl-208	19	2.5			
												Cs-137	4.0	3.3			
												Ac-228	25	7.5			
												Bi-214	16	3.6			
												K-40	550	18			
												Pb-212	28	3.3			
												Pb-214	16	3.8			
												Tl-208	8.9	1.8			
46	Ishikawa Prefecture	River	Saigawa River	Okuwa Bridge	Kanazawa City	2018/11/8	Sunny	0.8	10	80.8	Sand	Ac-228	37	6.4	650	32	
												Bi-214	17	4.3			
												K-40	570	18			
												Pb-212	37	3.4			
												Pb-214	22	4.1			
												Tl-208	11	1.8			
												Ac-228	38	7.4			
												Bi-212	40	29			
												Bi-214	24	4.6			
												K-40	610	24			
47	Ishikawa Prefecture	River	Tedoru River	Hakusangoguchi Dike	Hakusan City	2018/8/22	Sunny	0.9	10	73.5	Sand/Gravel	Pb-212	42	3.4	750	23	
												Pb-214	26	4.1			
												Tl-208	13	2.0			
												Cs-137	3.4	2.2			
												Ac-228	28	5.2			
												Bi-212	21	20			
												Bi-214	18	2.8			
												K-40	500	15			
												Pb-212	30	2.5			
												Pb-214	18	2.7			
48	Fukui Prefecture	River	Kuzuryu River	Fuseda Bridge	Fukui City	2018/10/29	Cloudy	0.8	10	44.7	Silt/Sand	Tl-208	9.9	1.4	800	30	
												Cs-137	3.4	2.2			
												Ac-228	21	5.6			
												Bi-212	27	20			
												Bi-214	12	3.0			
												K-40	370	17			
												Pb-212	19	2.3			
												Pb-214	14	2.7			
												Tl-208	6.2	1.4			
												Cs-137	6.9	1.6			
49	Fukui Prefecture	River	Kitagawa River	Takatsuka Bridge	Obama City	2018/8/20	Cloudy	0.7	10	75.9	Sand/Gravel	Ac-228	21	5.6	610	31	
												Bi-212	21	20			
												Bi-214	18	2.8			
												K-40	500	15			
												Pb-212	30	2.5			
												Pb-214	18	2.7			
												Tl-208	9.9	1.4			
												Ac-228	21	5.6			
												Bi-212	27	20			
												Bi-214	12	3.0			
50	Yamanashi Prefecture	River	Sagami River	Katsuragawa Bridge	Uenohara City	2018/8/21	Sunny	2.9	10	87.9	Sand/Gravel	Ac-228	21	5.6	460	28	
												Bi-212	27	20			
												Bi-214	12	3.0			
												K-40	370	17			
												Pb-212	19	2.3			
												Pb-214	14	2.7			
												Tl-208	6.2	1.4			
												Cs-137	6.9	1.6			

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
51	Yamanashi Prefecture	River	Fujikawa River	Nanbu Bridge	Nanbu Town	2018/8/20	Cloudy	0.4	10	85.7	Sand/Gravel	Ac-228	25	5.0	650	30	
												Bi-212	30	1.9			
												Bi-214	16	2.5			
												K-40	540	14			
												Pb-212	25	2.5			
												Pb-214	17	2.6			
												Tl-208	7.4	1.3			
52	Nagano Prefecture	River	Shinano River	Ozeki Bridge	Iiyama City	2018/8/28	Rain	0.5	10	67.4	Silt/Sand	Ac-228	39	5.9	830	23	
												Bi-212	53	2.1			
												Bi-214	28	3.7			
												K-40	690	15			
												Pb-212	41	3.3			
												Pb-214	27	3.3			
												Tl-208	14	1.7			
53	Nagano Prefecture	River	Saigawa River	Koichi Bridge	Nagano City	2018/8/30	Cloudy	2.0	10	77.3	Sand	Ac-228	84	6.5	990	29	
												Bi-212	92	2.7			
												Bi-214	45	4.2			
												K-40	770	18			
												Pb-212	90	3.8			
												Pb-214	53	4.1			
												Tl-208	30	2.0			
54	Nagano Prefecture	River	Tenryu River	Tsutsuji Bridge	Iida City	2018/10/31	Sunny	0.9	10	72.9	Sand	Ac-228	40	5.9	760	30	
												Bi-212	40	2.3			
												Bi-214	27	3.6			
												K-40	620	15			
												Pb-212	43	3.0			
												Pb-214	28	3.4			
												Tl-208	14	1.8			
55	Gifu Prefecture	River	Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2018/9/26	Cloudy	1.4	10	56.5	Silt	Ac-228	45	7.4	990	25	
												Bi-212	57	2.6			
												Bi-214	30	4.0			
												K-40	870	20			
												Pb-212	54	3.3			
												Pb-214	31	3.8			
												Tl-208	17	2.0			
56	Gifu Prefecture	River	Nagara River	Tokai-ohashi Bridge	Kaizu City	2018/9/26	Cloudy	6.0	10	63.2	Silt	Ac-228	45	6.3	870	30	
												Bi-212	42	2.4			
												Bi-214	23	3.3			
												K-40	740	17			
												Pb-212	45	3.1			
												Pb-214	26	3.7			
												Tl-208	14	1.6			
57	Shizuoka Prefecture	River	Kanogawa River	Kurose Bridge	Numazu City	2018/9/19	Sunny	1.4	10	78.1	Gravel	Ac-228	4.7	3.6	180	30	
												Bi-214	6.1	2.2			
												K-40	180	12			
												Pb-212	6.7	1.6			
												Pb-214	5.8	2.1			
												Tl-208	1.7	0.88			
												Cs-137	2.4	0.78			
58	Shizuoka Prefecture	River	Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town	2018/10/26	Sunny	1.5	10	87.7	Sand/Gravel	Ac-228	33	5.1	630	23	
												Bi-212	38	1.8			
												Bi-214	19	2.8			
												K-40	550	14			
												Pb-212	35	2.6			
												Pb-214	19	3.0			
												Tl-208	11	1.3			
59	Shizuoka Prefecture	River	Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu City	2018/10/25	Sunny	4.7	10	88.2	Sand	Ac-228	22	4.2	560	28	
												Bi-214	13	2.6			
												K-40	480	14			
												Pb-212	26	2.3			
												Pb-214	16	2.7			
												Tl-208	8.2	1.2			

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
60	Aichi Prefecture	River	Shonai River	Mizuwake Bridge	Nagoya City	2018/9/11	Rain	0.5	10	87.3	Sand	Ac-228	10	4.6	730	30	
												Bi-214	7.0	2.7			
												K-40	720	15			
												Pb-212	9.2	2.2			
												Pb-214	8.8	2.3			
												Tl-208	3.5	1.2			
61	Aichi Prefecture	River	Yahagi River	Iwazutenjin Bridge	Okazaki City /Toyota City	2018/10/11	Cloudy	3.9	10	71.8	Sand	Ac-228	37	6.0	820	24	
												Bi-212	46	23			
												Bi-214	19	3.6			
												K-40	700	18			
												Pb-212	42	3.0			
												Pb-214	23	3.6			
62	Aichi Prefecture	River	Toyogawa River	Eshima Bridge	Toyokawa City	2018/9/12	Rain	1.3	10	85.9	Sand	Ac-228	32	4.2	410	29	
												Bi-212	23	18			
												Bi-214	11	2.8			
												K-40	360	13			
												Pb-212	29	2.3			
												Pb-214	13	2.5			
63	Mie Prefecture	River	Suzuka River	Ogura Bridge	Yokkaichi City	2018/9/28	Sunny	0.5	10	86.3	Sand	Ac-228	11	5.1	930	31	
												Bi-214	7.1	2.7			
												K-40	840	12			
												Pb-212	16	2.1			
												Pb-214	9.8	2.6			
												Tl-208	5.2	1.2			
64	Mie Prefecture	River	Miyakawa River	Watarai Bridge	Ise City	2018/8/20	Cloudy	1.6	10	70.9	Sand	Ac-228	22	5.4	540	23	
												Bi-212	21	19			
												Bi-214	18	3.0			
												K-40	420	15			
												Pb-212	26	2.5			
												Pb-214	16	2.8			
65	Shiga Prefecture	River	Adogawa River	Joan Bridge	Takashima City	2018/9/17	Cloudy	1.3	10	79.0	Sand	Ac-228	31	5.9	670	28	
												Bi-212	34	19			
												Bi-214	18	3.1			
												K-40	590	15			
												Pb-212	33	2.6			
												Pb-214	18	3.1			
66	Shiga Prefecture	Lake	Lake Biwako	Karasakioki-Chuo	-	2018/10/23	Sunny	4.3	10	23.6	Silt	Ac-228	99	8.9	980	36	
												Bi-212	95	38			
												Bi-214	45	5.4			
												K-40	670	26			
												Pb-212	100	4.7			
												Pb-214	49	5.3			
67	Kyoto Prefecture	River	Yuragawa River	Yuragawa Bridge	Maizuru City	2018/10/22	Cloudy	2.4	10	79.4	Sand/Gravel	Ac-228	14	6.0	510	16	
												Bi-214	12	3.1			
												K-40	350	16			
												Pb-212	19	2.5			
												Pb-214	13	3.1			
												Tl-208	6.0	1.4			
68	Kyoto Prefecture	River	Katsura River	Before the confluence of three tributaries of Katsura River	Oyamazaki Town	2018/10/24	Sunny	2.0	10	84.1	Sand/Gravel	Ac-228	19	5.3	610	14	
												Bi-212	19	18			
												Bi-214	12	2.6			
												K-40	640	12			
												Pb-212	17	2.2			
												Pb-214	12	2.5			
Tl-208	4.8	1.4															

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
69	Osaka Prefecture	River	Inagawa River	Gunko Bridge	Itami City (Hyogo Prefecture)	2018/9/19	Sunny	0.4	10	81.8	Sand/Gravel	Ac-228	20	5.7	800	17	
												Bi-214	13	2.8			
												K-40	740	14			
												Pb-212	21	2.5			
												Pb-214	14	2.8			
												Tl-208	6.6	1.4			
												Ac-228	34	6.3			
Bi-212	47	23															
Bi-214	23	3.4															
K-40	650	18															
Pb-212	34	3.0															
Pb-214	25	3.4															
Tl-208	12	1.5															
Ac-228	21	5.4															
Bi-212	26	19															
Bi-214	11	3.0															
K-40	770	15															
Pb-212	23	2.4															
Pb-214	11	2.8															
Tl-208	7.0	1.5															
Ac-228	21	5.0															
Bi-214	12	2.6															
K-40	490	13															
Pb-212	21	2.3															
Pb-214	16	2.7															
Tl-208	5.9	1.3															
Ac-228	37	6.1															
Bi-212	41	18															
Bi-214	26	3.4															
K-40	950	14															
Pb-212	38	3.0															
Pb-214	27	3.4															
Tl-208	12	1.6															
Ac-228	23	6.1															
Bi-212	23	21															
Bi-214	17	2.5															
K-40	630	14															
Pb-212	26	2.7															
Pb-214	18	3.1															
Tl-208	8.9	1.6															
Ac-228	13	6.1															
Bi-214	8.5	2.6															
K-40	510	16															
Pb-212	11	2.6															
Pb-214	7.5	2.8															
Tl-208	2.6	1.5															
Ac-228	23	6.5															
Bi-214	14	3.6															
K-40	500	19															
Pb-212	23	3.1															
Pb-214	14	3.3															
Tl-208	7.3	1.8															
Ac-228	25	6.5															
Bi-212	38	27															
Bi-214	17	4.3															
K-40	500	18															
Pb-212	33	3.2															
Pb-214	21	3.6															
Tl-208	7.6	1.8															

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
78	Wakayama Prefecture	River	Kumano River	Kumano-ohashi Bridge	Shingu City	2018/8/22	Cloudy	0.6	10	81.1	Sand/Gravel	Ac-228	27	6.3	660	16	
												Bi-212	36	22			
												Bi-214	15	4.0			
												K-40	520	17			
												Pb-212	33	3.2			
												Pb-214	19	3.5			
												Tl-208	10	1.6			
79	Tottori Prefecture	River	Sendai River	Gyotoku	Tottori City	2018/8/28	Cloudy	2.0	10	83.5	Sand	Ac-228	21	4.7	730	17	
												Bi-212	27	20			
												Bi-214	16	3.1			
												K-40	640	13			
												Pb-212	26	2.3			
												Pb-214	17	2.9			
												Tl-208	6.3	1.5			
80	Shimane Prefecture	River	Hiikawa River	Kandatsu Bridge	Izumo City	2018/8/30	Cloudy	0.4	10	82.3	Sand	Ac-228	24	5.9	970	17	
												Bi-212	25	20			
												Bi-214	11	3.1			
												K-40	920	15			
												Pb-212	24	2.5			
												Pb-214	16	2.8			
												Tl-208	7.6	1.5			
81	Shimane Prefecture	River	Gonokawa River	Sakurae-ohashi Bridge	Gotsu City	2018/8/31	Sunny	3.3	10	80.6	Sand	Ac-228	26	4.8	710	17	
												Bi-212	25	20			
												Bi-214	19	2.8			
												K-40	640	13			
												Pb-212	27	2.6			
												Pb-214	19	2.9			
												Tl-208	9.2	1.3			
82	Okayama Prefecture	River	Asahi River	Otoite Weir	Okayama City	2018/8/27	Sunny	0.6	10	85.4	Sand	Ac-228	15	5.2	620	15	
												Bi-212	18	16			
												Bi-214	10	3.0			
												K-40	600	13			
												Pb-212	16	2.3			
												Pb-214	15	2.4			
												Tl-208	5.4	1.2			
83	Okayama Prefecture	River	Takahashi River	Kasumi Bridge	Kurashiki City	2018/10/16	Cloudy	3.2	10	65.7	Sand	Ac-228	31	6.7	860	16	
												Bi-212	36	25			
												Bi-214	23	3.7			
												K-40	710	19			
												Pb-212	34	3.0			
												Pb-214	28	3.0			
												Tl-208	11	1.6			
84	Hiroshima Prefecture	River	Ota River	Water purification plant intake in Hesaka	Hiroshima City	2018/9/14	Cloudy	2.0	10	64.5	Sand	Ac-228	40	8.6	1,100	19	
												Bi-212	33	5.2			
												Bi-214	860	26			
												K-40	48	4.4			
												Pb-212	36	5.0			
												Pb-214	16	2.6			
												Tl-208	12	6.4			
85	Hiroshima Prefecture	River	Ashida River	Kominomi Bridge	Fukuyama City	2018/8/20	Sunny	0.9	10	79.0	Sand	Ac-228	12	6.4	1,100	16	
												Bi-212	8.9	3.9			
												Bi-214	940	19			
												K-40	18	3.0			
												Pb-212	13	3.3			
												Pb-214	4.6	1.8			
												Tl-208	4.6	1.8			
86	Yamaguchi Prefecture	River	Nishiki River	Water purification plant intake for the city	Iwakuni City	2018/8/21	Sunny	5.0	10	77.3	Sand	Ac-228	25	5.2	780	17	
												Bi-212	34	18			
												Bi-214	23	2.8			
												K-40	760	13			
												Pb-212	28	2.6			
												Pb-214	22	2.9			
												Tl-208	8.8	1.4			

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
87	Yamaguchi Prefecture	River	Kotogawa River	Suenobu Bridge	Ube City	2018/8/21	Sunny	2.4	10	72.0	Sand	Ac-228	38	6.1	1,400	21	
												Bi-214	27	4.1			
												K-40	1200	17			
												Pb-212	43	3.2			
												Pb-214	32	3.7			
												Tl-208	14	1.8			
88	Tokushima Prefecture	River	Yoshino River	Takase Bridge	Ishii Town	2018/10/17	Sunny	4.7	10	85.4	Sand	Ac-228	12	3.8	250	16	
												Bi-214	14	1.2			
												Bi-214	7.8	2.4			
												K-40	240	11			
												Pb-212	14	1.9			
												Pb-214	8.9	1.9			
89	Tokushima Prefecture	River	Nakagawa River	Nakagawa Bridge	Anan City	2018/10/18	Sunny	4.5	10	77.4	Sand	Ac-228	31	5.1	650	16	
												Bi-214	32	1.9			
												Bi-214	19	3.5			
												K-40	550	14			
												Pb-212	33	2.5			
												Pb-214	20	2.9			
90	Kagawa Prefecture	River	Dokigawa River	Marugame Bridge	Marugame City	2018/10/19	Sunny	0.4	10	79.2	Sand	Ac-228	26	6.8	910	16	
												Bi-214	14	3.8			
												K-40	660	18			
												Pb-212	27	3.2			
												Pb-214	18	3.7			
												Tl-208	7.8	1.8			
91	Ehime Prefecture	River	Shigenobu River	Deai Bridge	Matsuyama City	2018/9/3	Sunny	0.2	10	86.6	Sand	Ac-228	19	7.8	1,000	16	
												Bi-214	15	3.5			
												K-40	880	17			
												Pb-212	27	3.2			
												Pb-214	13	3.7			
												Tl-208	8.7	1.8			
92	Ehime Prefecture	River	Hijikawa River	Hijikawa Bridge	Ozu City	2018/9/25	Cloudy	0.9	10	89.9	Sand	Ac-228	11	3.5	200	15	
												Bi-214	14	1.3			
												Bi-214	6.8	1.9			
												K-40	180	12			
												Pb-212	10	1.7			
												Pb-214	8.6	1.8			
93	Kochi Prefecture	River	Kagami River	Kachuzeki Weir	Kochi City	2018/9/28	Sunny	0.8	10	86.0	Gravel	Ac-228	13	4.2	390	16	
												Bi-214	10	2.3			
												K-40	350	11			
												Pb-212	16	2.0			
												Pb-214	14	2.2			
												Tl-208	5.7	1.1			
94	Kochi Prefecture	River	Niyodo River	Hatazeki Weir (1) Center of flow	Ino Town	2018/9/27	Sunny	0.5	10	92.0	Gravel	Ac-228	11	3.8	290	14	
												Bi-214	8.9	2.0			
												K-40	230	12			
												Pb-212	15	1.6			
												Pb-214	9.9	2.0			
												Tl-208	3.6	1.0			
95	Fukuoka Prefecture	River	Onga River	Hinodde Bridge	Nogata City	2018/8/20	Sunny	1.4	10	74.4	Sand	Ac-228	16	6.9	850	15	
												Bi-214	9.9	4.1			
												K-40	710	19			
												Pb-212	20	3.4			
												Pb-214	13	3.8			
												Tl-208	6.8	1.7			
96	Fukuoka Prefecture	River	Nakagawa River	Shiobara Bridge	Fukuoka City	2018/8/22	Cloudy	0.6	10	76.5	Sand	Ac-228	11	6.8	940	15	
												Bi-214	4.2	4.0			
												K-40	850	17			
												Pb-212	17	2.9			
												Pb-214	3.9	3.8			
												Tl-208	5.5	1.6			

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
97	Fukuoka Prefecture	River	Chikugo River	Senoshita	Kurume City	2018/8/21	Sunny	3.2	10	68.9	Sand	Ac-228	21	7.0	580	15	
												Bi-214	13	3.9			
												K-40	440	20			
												Pb-212	23	3.3			
												Pb-214	16	3.9			
												Tl-208	7.6	1.8			
												Ac-228	9.8	7.6			
98	Saga Prefecture	River	Kasegawa River	Kasebashi Bridge	Saga City	2018/8/23	Cloudy	3.7	10	67.8	Sand	Bi-214	6.9	3.7	750	15	
												K-40	540	17			
												Pb-212	18	2.7			
												Pb-214	9.1	3.6			
												Tl-208	7.1	1.5			
												Ac-228	26	6.6			
												Bi-214	19	4.4			
99	Nagasaki Prefecture	River	Honmyogawa River	In front of Tenma Park	Isahaya City	2018/9/14	Cloudy	0.9	10	63.7	Silt/Sand	K-40	360	22	550	18	
												Pb-212	32	3.0			
												Pb-214	21	4.1			
												Tl-208	10	2.0			
												Ac-228	19	5.6			
												Bi-214	11	3.7			
												K-40	420	16			
100	Nagasaki Prefecture	River	Urakami River	Ohashizeki Weir	Nagasaki City	2018/8/30	Cloudy	0.8	10	80.4	Sand	Pb-212	18	2.9	580	15	
												Pb-214	11	3.1			
												Tl-208	6.6	1.5			
												Ac-228	33	6.0			
												Bi-214	30	2.4			
												Bi-214	23	3.7			
												K-40	550	19			
101	Kumamoto Prefecture	River	Kikuchi River	Shiroishi	Nagomi Town	2018/8/27	Sunny	7.6	10	51.3	Silt	Pb-212	37	3.0	730	16	
												Pb-214	26	3.4			
												Tl-208	11	1.8			
												Ac-228	17	3.6			
												Bi-214	23	1.1			
												Bi-214	14	2.0			
												K-40	410	9.5			
102	Kumamoto Prefecture	River	Midori River	Uesugizeki Weir	Kumamoto City	2018/8/28	Sunny	1.5	10	80.8	Sand	Pb-212	19	1.6	480	14	
												Pb-214	15	1.7			
												Tl-208	5.8	0.83			
												Ac-228	16	5.9			
												Bi-214	10	3.3			
												K-40	330	17			
												Pb-212	16	2.8			
103	Oita Prefecture	River	Oita River	Funai-ohashi Bridge	Oita City	2018/9/12	Cloudy	2.0	10	79.5	Sand	Pb-214	11	2.9	400	16	
												Tl-208	6.3	1.4			
												Ac-228	17	4.3			
												Bi-212	27	1.8			
												Bi-214	17	2.4			
												K-40	520	13			
												Pb-212	23	2.4			
104	Oita Prefecture	River	Ono River	Shirataki Bridge	Oita City	2018/9/11	Cloudy	1.4	10	81.3	Sand	Pb-214	18	2.6	570	16	
												Tl-208	7.1	1.2			
												Ac-228	27	5.8			
												Bi-212	23	2.1			
												Bi-214	22	3.0			
												K-40	630	14			
												Pb-212	31	2.8			
105	Miyazaki Prefecture	River	Gokase River	Miwa	Nobeoka City	2018/9/13	Cloudy	1.5	10	71.1	Sand	Pb-214	21	3.0	750	16	
												Tl-208	9.4	1.5			
												Ac-228	31	7.4			
												Bi-212	34	2.7			
												Bi-214	19	4.1			
												K-40	510	19			
												Pb-212	29	3.4			
106	Miyazaki Prefecture	River	Oyodo River	Shinaioi Bridge	Miyazaki City	2018/9/7	Cloudy	1.2	10	64.9	Silt	Pb-214	23	4.0	640	15	
												Tl-208	11	1.7			
												Ac-228	31	7.4			
												Bi-212	34	2.7			
												Bi-214	19	4.1			
												K-40	510	19			
												Pb-212	29	3.4			

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Results of Measurement in Public Water Areas (Sediment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Water depth (m)	General items			Sediment					Remarks
			Water area	Location	Municipality				Sample length (cm)	sediment content (%)	Property	Detected γ -ray emitting radionuclides			Total β radioactivity		
												Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)	
107	Kagoshima Prefecture	River	Kotsuki River	Iwasaki Bridge	Kagoshima City	2018/9/4	Cloudy	0.7	10	82.7	Sand	Ac-228	14	4.9	350	15	
												Bi-214	8.3	2.6			
												K-40	250	15			
												Pb-212	15	2.5			
												Pb-214	10	3.0			
												Tl-208	3.8	1.3			
												Ac-228	14	4.9			
108	Kagoshima Prefecture	River	Kimotsuki River	Matase Bridge	Kanoya City	2018/9/5	Cloudy	0.9	10	81.3	Sand	Bi-214	9.0	2.7	430	15	
												K-40	310	12			
												Pb-212	14	2.6			
												Pb-214	11	3.0			
												Tl-208	4.6	1.3			
												Ac-228	27	4.9			
												Bi-214	32	24			
109	Okinawa Prefecture	River	Genka River	Water intake	Nago City	2018/9/20	Cloudy	0.6	10	75.3	Sand	Bi-214	13	4.0	600	15	
												K-40	420	18			
												Pb-212	27	2.9			
												Pb-214	14	3.3			
												Tl-208	6.7	1.9			
												Ac-228	21	5.3			
												Bi-214	27	21			
110	Okinawa Prefecture	River	Miyara River	Omoto water intake	Ishigaki City	2018/9/18	Sunny	0.7	10	74.9	Sand	Bi-214	20	3.5	390	16	
												K-40	260	17			
												Pb-212	26	3.2			
												Pb-214	19	3.6			
												Tl-208	6.9	1.6			

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Results of Measurement in Public Water Areas (Surrounding Environment)

Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
1	Hokkaido Prefecture	River	Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2018/8/30	Cloudy	Loamy	Ac-228	27	11	0.05	Sandy	Ac-228	19	12	0.06	
									K-40	450	44			Bi-214	12	8.2		
									Pb-212	23	4.8			K-40	490	66		
									Pb-214	15	7.5			Pb-212	22	4.9		
									Tl-208	7.5	3.3			Pb-214	17	6.8		
									-	-	-			Tl-208	7.7	3.2		
2	Hokkaido Prefecture	River	Ishikari River	Intake at the Shirakawa water purification plant in Sapporo City	Sapporo City	2018/9/21	Sunny	(No sampling conducted)	-	-	-	0.03	Loamy	Ac-228	28	13	0.04	
									-	-	-			K-40	400	77		
									-	-	-			Pb-212	18	5.4		
									-	-	-			Pb-214	12	7.1		
									-	-	-			Tl-208	8.4	3.4		
									-	-	-			-	-	-		
3	Hokkaido Prefecture	River	Teshio River	Nakashibetsu Bridge (Intake at the Higashiyama water purification plant in Shibetsu City)	Shibetsu City	2018/8/30	Cloudy	Loamy	Ac-228	26	16	0.05	Loamy	Ac-228	28	12	0.06	
									Bi-214	21	9.5			Bi-214	11	9.1		
									K-40	340	56			K-40	470	51		
									Pb-212	36	6.3			Pb-212	26	5.5		
									Pb-214	22	8.9			Pb-214	10	7.2		
									Tl-208	10	3.9			Tl-208	7.7	3.2		
4	Hokkaido Prefecture	River	Tokoro River	Tadashi Bridge	Kitami City	2018/8/28	Cloudy	Sandy	Ac-228	32	11	0.05	Sandy	Ac-228	18	13	0.05	
									Bi-214	20	8.0			Bi-214	12	9.2		
									K-40	520	47			K-40	550	49		
									Pb-212	27	5.0			Pb-212	26	5.3		
									Pb-214	18	7.9			Pb-214	20	7.6		
									Tl-208	6.7	3.3			Ra-226	71	59		
5	Hokkaido Prefecture	River	Kushiro River	Intake at the Aikoku water purification plant in Kushiro City	Kushiro City	2018/8/21	Cloudy	Loamy	Ac-228	20	10	0.04	Loamy	K-40	370	56	0.03	
									Bi-214	11	7.4			Pb-212	11	6.4		
									K-40	610	40			Tl-208	5.6	3.3		
									Pb-212	15	4.2			-	-	-		
									Pb-214	11	6.5			-	-	-		
									Tl-208	4.8	2.8			-	-	-		
6	Hokkaido Prefecture	River	Tokachi River	Nantai Bridge	Obihiro City	2018/9/14	Sunny	Sandy	Ac-228	19	11	0.05	Sandy	Ac-228	17	12	0.04	
									K-40	390	44			K-40	380	39		
									Pb-212	22	4.4			Pb-212	19	4.7		
									Pb-214	12	7.2			Pb-214	14	6.5		
									Tl-208	6.2	3.3			Tl-208	5.1	2.8		
									-	-	-			-	-	-		
7	Hokkaido Prefecture	River	Sarugawa River	Sarugawa Bridge (Tomigawa)	Hidaka Town	2018/9/13	Sunny	Loamy	Ac-228	25	12	0.04	Loamy	Ac-228	18	12	0.04	
									Bi-214	14	7.5			Bi-214	18	7.4		
									K-40	520	42			K-40	500	43		
									Pb-212	23	4.7			Pb-212	23	5.1		
									Pb-214	20	6.0			Pb-214	18	6.9		
									Tl-208	5.0	3.3			Tl-208	9.0	3.3		
8	Hokkaido Prefecture	River	Matsukura River	Mitsumorihashi Bridge (Before the confluence with Torasawa River)	Hakodate City	2018/9/19	Sunny	Sandy	Bi-214	9.8	8.1	0.03	Sandy	Ac-228	17	13	0.03	
									K-40	230	63			K-40	230	65		
									Pb-212	15	4.3			Pb-212	17	4.8		
									Pb-214	7.5	6.5			Pb-214	16	6.4		
									-	-	-			Tl-208	4.1	3.3		
									-	-	-			-	-	-		
9	Hokkaido Prefecture	River	Shiribeshi-toshibetsu River	Intake at the Kitahiyama simple water plant in Kitahiyama Town	Setana Town	2018/9/20	Sunny	Loamy	Ac-228	19	16	0.05	Loamy	Ac-228	28	14	0.06	
									Bi-214	18	7.9			Bi-214	24	7.3		
									K-40	520	62			K-40	510	58		
									Pb-212	31	4.7			Pb-212	28	4.9		
									Pb-214	22	7.5			Pb-214	23	7.0		
									Tl-208	9.9	3.4			Tl-208	7.2	3.3		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
10	Aomori Prefecture	River	Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2018/8/27	Cloudy	Loamy	K-40	270	82	0.03	Loamy	Ac-228	22	13	0.03	
									Pb-212	11	5.7			Bi-214	9.8	8.6		
									Pb-214	8.9	8.0			K-40	330	71		
									Tl-208	3.8	3.7			Pb-212	18	5.3		
									-	-	-			Pb-214	13	7.1		
									-	-	-			Tl-208	5.3	3.6		
11	Aomori Prefecture	River	Mabechi River	Shiriuchi Bridge	Hachinohe City	2018/10/25	Sunny	Sandy	Bi-214	12	9.4	0.04	Loamy	Bi-214	16	12	0.03	
									K-40	250	71			K-40	310	93		
									Pb-212	21	5.2			Pb-212	17	6.9		
									Pb-214	14	8.2			Pb-214	16	10		
									Tl-208	5.5	4.1			Cs-137	5.9	5.5		
									-	-	-			-	-	-		
12	Iwate Prefecture	River	Mabechi River	Fugane Bridge	Ninohe City	2018/8/24	Sunny	Sandy	K-40	300	84	0.04	Loamy	Ac-228	23	14	0.04	
									Pb-212	16	6.2			Bi-214	12	9.0		
									Pb-214	14	8.9			K-40	200	77		
									Tl-208	5.3	4.4			Pb-212	17	6.1		
									Cs-137	5.9	4.2			Pb-214	14	8.5		
									-	-	-			Tl-208	6.4	4.3		
									-	-	-			Cs-137	22	4.5		
									-	-	-			-	-	-		
13	Iwate Prefecture	River	Heigawa River	Miyako Bridge	Miyako City	2018/8/23	Sunny	(No sampling conducted)	-	-	-	0.04	(No sampling conducted)	-	-	-	0.06	Unable to collect samples on both riverbanks due to being concrete-covered.
14	Iwate Prefecture	River	Kitakami River	Chitose Bridge	Ichinoseki City	2018/10/26	Sunny	Loamy	Ac-228	19	15	0.05	Loamy	Ac-228	20	18	0.05	
									Bi-214	12	10			Bi-214	27	10		
									K-40	480	71			K-40	460	75		
									Pb-212	20	6.0			Pb-212	20	5.8		
									Pb-214	20	8.6			Pb-214	21	8.4		
									Tl-208	5.1	4.7			Cs-137	50	5.4		
									Cs-134	8.7	4.6			-	-	-		
									Cs-137	87	4.1			-	-	-		
15	Miyagi Prefecture	River	Abukuma River	Iwanuma (Abukuma Bridge)	Ichinoseki City	2018/8/20	Sunny	Sandy	Bi-214	18	9.6	0.04	Loamy	Ac-228	28	16	0.06	
									K-40	360	64			Bi-214	26	8.2		
									Pb-212	20	6.1			K-40	560	64		
									Pb-214	18	9.7			Pb-212	28	5.6		
									Cs-134	20	5.0			Pb-214	21	8.6		
									Cs-137	200	4.3			Tl-208	8.9	4.2		
									-	-	-			Cs-134	7.8	3.6		
									-	-	-			Cs-137	77	4.3		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
16	Miyagi Prefecture	River	Natori River	Yuriage-ohashi Bridge	Natori City	2018/8/21	Sunny	Loamy	K-40	360	75	0.03	Sandy	Ac-228	16	14	0.04	
									Pb-212	14	6.7			K-40	380	59		
									Cs-134	6.8	4.7			Pb-212	12	5.2		
									Cs-137	75	4.8			Tl-208	5.0	3.4		
									-	-	-			Cs-137	30	3.2		
									-	-	-			-	-	-		
17	Akita Prefecture	River	Yoneshiro River	Noshiro Bridge	Noshiro City	2018/8/29	Cloudy	Loamy	Ac-228	32	20	0.04	(No sampling conducted)	-	-	-	0.04	
									Bi-214	25	11			-	-	-		
									K-40	460	79			-	-	-		
									Pb-212	36	6.7			-	-	-		
									Pb-214	24	10			-	-	-		
									Tl-208	13	5.1			-	-	-		
									-	-	-			-	-	-		
									Cs-137	7.7	4.7			-	-	-		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
18	Akita Prefecture	River	Omono River	Kurose Bridge	Akita City	2018/10/24	Rain	Loamy	Ac-228	23	19	0.04	Loamy	Ac-228	28	17	0.04	
									Bi-214	23	8.5			Bi-214	21	11		
									K-40	440	83			K-40	530	79		
									Pb-212	22	6.1			Pb-212	31	6.4		
									Pb-214	24	8.6			Pb-214	32	8.3		
									Tl-208	7.3	5.0			Tl-208	5.4	4.8		
									Cs-137	16	4.8			-	-	-		
									-	-	-			-	-	-		
19	Yamagata Prefecture	River	Mogami River	Ryou Bridge	Sakata City	2018/10/23	Sunny	Loamy	Ac-228	25	14	0.04	Loamy	Ac-228	28	17	0.04	
									Bi-214	10	10			Bi-214	15	11		
									K-40	490	71			K-40	440	77		
									Pb-212	22	6.3			Pb-212	20	6.8		
									Pb-214	15	8.7			Pb-214	16	8.4		
									Tl-208	4.5	4.2			Tl-208	7.5	4.4		
									Cs-137	10	4.5			-	-	-		
									-	-	-			-	-	-		
20	Yamagata Prefecture	River	Akagawa River	Shinkawa Bridge	Sakata City	2018/10/22	Sunny	Loamy	Ac-228	28	17	0.06	Loamy	Bi-214	15	8.4	0.04	
									Bi-214	13	11			K-40	530	81		
									K-40	560	81			Pb-212	28	5.9		
									Pb-212	30	6.4			Pb-214	18	8.6		
									Pb-214	14	9.2			Tl-208	8.8	4.4		
									Tl-208	7.6	5.6			-	-	-		
									Cs-137	4.7	4.1			-	-	-		
									-	-	-			-	-	-		
21	Fukushima Prefecture	River	Agano River	Shingo Dam	Kitakata City	2018/9/26	Sunny	(No sampling conducted)	-	-	-	0.06	Loamy	Bi-214	19	13	0.07	
									-	-	-			K-40	430	79		
									-	-	-			Pb-212	28	8.1		
									-	-	-			Pb-214	25	12		
									-	-	-			Tl-208	7.4	5.4		
									-	-	-			Cs-134	37	5.4		
									-	-	-			Cs-137	360	5.5		
									-	-	-			-	-	-		
22	Fukushima Prefecture	River	Abukuma River	Taisho Bridge (Fushiguro)	Date City	2018/9/24	Sunny	Loamy	Ac-228	24	18	0.21	Loamy	Ac-228	30	21	0.23	
									Bi-214	15	15			K-40	380	90		
									K-40	530	65			Pb-212	35	12		
									Pb-212	23	9.3			Cs-134	150	9.4		
									Pb-214	23	14			Cs-137	1600	9.1		
									Cs-134	72	6.7			-	-	-		
									Cs-137	760	6.7			-	-	-		
									-	-	-			-	-	-		
23	Fukushima Prefecture	River	Kujigawa River	Takachihara Bridge	Yamatsuri Town	2018/9/28	Rain	Loamy	Ac-228	51	19	0.09	Loamy	Ac-228	38	17	0.08	
									Bi-214	28	14			Bi-214	28	12		
									K-40	650	79			K-40	580	79		
									Pb-212	53	8.0			Pb-212	49	7.8		
									Pb-214	26	13			Pb-214	33	12		
									Tl-208	14	6.4			Tl-208	13	5.5		
									Cs-134	23	7.0			Cs-134	21	5.6		
									Cs-137	240	6.7			Cs-137	210	6.2		
24	Ibaraki Prefecture	Lake	Lake Kasumigaura	Center	Miho Village	2018/8/31	Sunny	Sandy	Ac-228	24	12	0.08	-	-	-	-	-	
									K-40	470	50			-	-	-		
									Pb-212	19	5.0			-	-	-		
									Tl-208	6.0	3.7			-	-	-		
									Cs-134	15	3.9			-	-	-		
									Cs-137	160	3.7			-	-	-		
									-	-	-			-	-	-		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
25	Ibaraki Prefecture	River	Kokai River	Fumimaki Bridge	Toride City	2018/10/29	Sunny	Loamy	Ac-228	19	17	0.06	Loamy	Ac-228	21	17	0.07	
									K-40	450	82			Bi-214	17	12		
									Pb-212	28	6.1			K-40	590	85		
									Pb-214	18	9.4			Pb-212	31	6.4		
									Tl-208	6.5	4.4			Pb-214	23	9.2		
									Cs-134	8.6	4.0			Tl-208	11	4.5		
									Cs-137	110	4.2			Cs-134	11	4.7		
									-	-	-			Cs-137	130	5.3		
									-	-	-			-	-	-		
26	Tochigi Prefecture	River	Nakagawa River	Shinnaka Bridge	Nakagawa Town	2018/9/27	Cloudy	Sandy	Ac-228	18	18	0.08	Sandy	Ac-228	26	13	0.08	
									K-40	410	71			Bi-214	15	9.9		
									Pb-212	20	8.6			K-40	420	61		
									Pb-214	14	13			Pb-212	22	6.0		
									Tl-208	6.1	6.0			Pb-214	12	8.8		
									Cs-134	45	6.2			Tl-208	11	3.8		
									Cs-137	490	5.8			Cs-134	9.9	3.9		
									-	-	-			Cs-137	110	4.0		
									-	-	-			-	-	-		
27	Tochigi Prefecture	River	Kinugawa River	Kinugawa Bridge (Hoshakuji Temple)	Utsunomiya City	2018/9/12	Cloudy	Sandy	Ac-228	26	12	0.08	Loamy	Ac-228	28	17	0.09	
									Bi-214	18	8.2			Bi-214	18	11		
									K-40	620	59			K-40	510	81		
									Pb-212	37	5.0			Pb-212	38	6.8		
									Pb-214	21	6.9			Pb-214	18	11		
									Tl-208	12	3.5			Tl-208	13	4.6		
									Cs-134	6.0	3.9			Cs-134	23	4.8		
									-	-	-			Cs-137	250	5.0		
									-	-	-			-	-	-		
28	Gunma Prefecture	River	Tonegawa River	Toneozeki Weir	Chiyoda Town /Gyoda City (Saitama Prefecture)	2018/8/31	Sunny	Loamy	Ac-228	19	17	0.05	Loamy	Ac-228	26	16	0.04	
									Bi-214	15	10			Bi-214	25	9.7		
									K-40	380	74			K-40	380	69		
									Pb-212	27	6.3			Pb-212	24	5.7		
									Pb-214	23	9.2			Pb-214	18	8.5		
									Tl-208	8.3	4.5			Tl-208	8.0	4.3		
									Cs-134	12	4.6			Cs-137	14	4.2		
									Cs-137	110	5.0			-	-	-		
									-	-	-			-	-	-		
29	Gunma Prefecture	River	Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2018/8/23	Sunny	Loamy	Ac-228	28	21	0.04	Loamy	Ac-228	45	18	0.06	
									Bi-214	17	12			Bi-214	29	12		
									K-40	230	100			K-40	610	92		
									Pb-212	27	6.5			Pb-212	42	7.5		
									Pb-214	24	10			Pb-214	28	11		
									Tl-208	9.3	5.2			Tl-208	12	4.6		
									Cs-134	8.0	5.4			Cs-134	14	5.1		
									-	-	-			Cs-137	140	5.6		
									-	-	-			-	-	-		
30	Saitama Prefecture	River	Arakawa River	Kugebashi Bridge	Kumagaya City	2018/10/9	Cloudy	Loamy	Ac-228	24	16	0.06	Loamy	Ac-228	35	17	0.06	
									Bi-214	20	13			Bi-214	23	11		
									K-40	520	71			K-40	490	72		
									Pb-212	30	7.5			Pb-212	37	6.4		
									Pb-214	24	12			Pb-214	32	8.6		
									Tl-208	11	5.4			Tl-208	12	4.7		
									Cs-134	26	4.6			Cs-134	10	5.2		
									Cs-137	260	5.8			Cs-137	120	5.2		
									-	-	-			-	-	-		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
31	Saitama Prefecture	River	Arakawa River	Akigase Intake Weir	Saitama City/Shiki City	2018/9/20	Cloudy	Loamy	Ac-228	20	17	0.05	Loamy	Ac-228	29	18	0.06	
									Bi-214	12	11			Bi-214	24	9.0		
									K-40	490	83			K-40	620	72		
									Pb-212	32	6.5			Pb-212	35	5.8		
									Pb-214	19	9.1			Pb-214	27	7.6		
									Tl-208	6.5	4.5			Tl-208	12	4.1		
									Cs-137	85	4.3			Cs-137	18	5.1		
32	Saitama Prefecture	River	Edogawa River	Nagareyama Bridge	Nagareyama City (Chiba Prefecture) /Misato City	2018/9/10	Cloudy	Loamy	K-40	380	83	0.04	Loamy	Bi-214	14	12	0.08	
									Pb-212	23	6.1			K-40	400	87		
									Pb-214	13	8.3			Pb-212	26	7.8		
									Tl-208	4.5	4.4			Pb-214	12	11		
									Cs-137	18	4.1			Tl-208	7.3	4.8		
									-	-	-			Cs-134	27	5.4		
									-	-	-			Cs-137	320	5.2		
33	Chiba Prefecture	River	Tonegawa River	Kakozeki Weir	Tonosho Town	2018/10/12	Cloudy	Loamy	Bi-214	16	12	0.06	Loamy	Ac-228	24	19	0.04	
									K-40	470	78			Bi-214	16	11		
									Pb-212	19	7.5			K-40	380	79		
									Pb-214	24	11			Pb-212	23	5.8		
									Tl-208	9.9	5.0			Pb-214	18	7.6		
									Cs-134	21	5.4			Tl-208	5.5	4.8		
									Cs-137	240	5.7			Cs-137	28	4.8		
34	Chiba Prefecture	River	Ichinomiya River	Nakano Bridge	Ichinomiya Town	2018/10/22	Sunny	Sandy	Ac-228	18	16	0.04	Sandy	Bi-214	9.0	8.4	0.04	
									Bi-214	20	9.3			K-40	430	56		
									K-40	380	67			Pb-212	15	5.2		
									Pb-212	21	5.1			Pb-214	13	6.4		
									Pb-214	18	7.8			Tl-208	5.3	3.5		
									Tl-208	6.7	3.8			Cs-137	30	3.3		
									Cs-137	27	4.3			-	-	-		
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake	Sakura City	2018/10/26	Cloudy	Loamy	Ac-228	25	21	0.07	-	-	-	-	-	
									K-40	260	100			-	-	-		
									Pb-212	20	11			-	-	-		
									Cs-134	61	8.3			-	-	-		
									Cs-137	700	7.4			-	-	-		
									-	-	-			-	-	-		
36	Tokyo Metropolis	River	Edogawa River	Shinkatsushika Bridge	Katsushika City	2018/9/10	Cloudy	Loamy	Ac-228	19	16	0.10	Loamy	Bi-214	13	10	0.05	
									Bi-214	20	14			K-40	390	71		
									K-40	340	71			Pb-212	19	6.3		
									Pb-212	15	9.4			Pb-214	13	8.5		
									Pb-214	15	14			Cs-134	6.6	4.5		
									Cs-134	66	6.4			Cs-137	73	4.8		
									Cs-137	680	6.6			-	-	-		
37	Tokyo Metropolis	River	Tamagawa River	Hajjima raw water supply point	Akishima City	2018/8/30	Cloudy	Sandy	Ac-228	40	16	0.06	Sandy	Ac-228	29	12	0.07	
									Bi-214	25	9.6			Bi-214	19	8.2		
									K-40	730	60			K-40	660	50		
									Pb-212	42	5.4			Pb-212	36	5.4		
									Pb-214	28	8.1			Pb-214	26	6.7		
									Tl-208	16	3.6			Tl-208	13	3.6		
									Cs-137	41	4.6			Cs-137	6.9	3.9		
38	Tokyo Metropolis	River	Sumida River	Ryogoku Bridge	Chuo City/Sumida City	2018/8/31	Sunny	(No sampling conducted)	-	-	-	0.06	(No sampling conducted)	-	-	-	0.05	Unable to collect samples on both riverbanks due to being concrete-covered.

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
39	Tokyo Metropolis	River	Arakawa River	Kasai Bridge	Koto City /Edogawa City	2018/9/3	Cloudy	Sandy	Ac-228	17	14	0.07	Loamy	Ac-228	16	15	0.07	
									K-40	340	62			Bi-214	18	10		
									Pb-212	17	6.0			K-40	470	61		
									Pb-214	11	8.3			Pb-212	24	6.1		
									Tl-208	8.3	4.0			Pb-214	15	9.5		
									Cs-134	9.3	4.8			Cs-134	23	4.7		
									Cs-137	120	4.1			Cs-137	190	4.9		
40	Kanagawa Prefecture	River	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2018/8/29	Cloudy	(No sampling conducted)	-	-	-	0.04	(No sampling conducted)	-	-	-	0.04	Unable to collect samples on both riverbanks due to being concrete-covered.
41	Kanagawa Prefecture	River	Sagami River	Banyu Bridge	Hiratsuka City	2018/10/26	Cloudy	(No sampling conducted)	-	-	-	0.03	Loamy	Ac-228	15	12	0.04	Soil sample (left bank side) was not collected due to construction. Ambient dose rate (left bank side) was measured at 30m east from the original location due to construction.
									-	-	-			Bi-214	9.6	8.0		
									-	-	-			K-40	280	63		
									-	-	-			Pb-212	17	4.9		
									-	-	-			Pb-214	7.6	7.5		
									-	-	-			Tl-208	4.3	3.4		
42	Kanagawa Prefecture	River	Sakawa River	Sakawa Bridge	Odawara City	2018/9/12	Sunny	Loamy	K-40	150	80	0.02	Loamy	K-40	190	64	0.03	
									Cs-137	18	4.3			Cs-137	44	3.5		
43	Niigata Prefecture	River	Shinano River	Heisei-ohashi Bridge	Niigata City	2018/10/23	Sunny	Loamy	Ac-228	23	16	0.06	Loamy	Ac-228	31	23	0.06	
									Bi-214	24	8.6			Bi-214	25	11		
									K-40	640	66			K-40	490	86		
									Pb-212	33	5.8			Pb-212	36	7.3		
									Pb-214	25	6.9			Pb-214	25	11		
									Tl-208	9.8	4.0			Tl-208	7.3	5.9		
									Cs-137	6.3	3.3			Cs-137	21	4.7		
44	Niigata Prefecture	River	Agano River	Oun Bridge	Niigata City	2018/10/23	Sunny	Loamy	Ac-228	49	16	0.06	Loamy	Ac-228	57	19	0.06	
									Bi-214	23	9.6			Bi-214	33	13		
									K-40	550	68			K-40	650	87		
									Pb-212	46	6.1			Pb-212	52	8.1		
									Pb-214	33	7.7			Pb-214	39	11		
									Tl-208	14	3.8			Tl-208	12	6.2		
									-	-	-			Cs-137	77	5.1		
45	Toyama Prefecture	River	Jinzu River	Hagiura Bridge	Toyama City	2018/8/24	Cloudy	Sandy	Ac-228	33	15	0.08	Sandy	Ac-228	34	15	0.07	
									Bi-212	47	46			Bi-212	59	51		
									Bi-214	29	7.4			Bi-214	27	9.4		
									K-40	710	56			K-40	710	62		
									Pb-212	35	4.8			Pb-212	41	5.7		
									Pb-214	28	6.9			Pb-214	34	7.8		
									Tl-208	11	3.5			Tl-208	14	3.7		
46	Ishikawa Prefecture	River	Saigawa River	Okuwa Bridge	Kanazawa City	2018/11/8	Sunny	Loamy	Ac-228	28	17	0.05	Sandy	Ac-228	35	15	0.07	
									Bi-214	19	11			Bi-214	19	9.4		
									K-40	530	78			K-40	600	65		
									Pb-212	33	6.9			Pb-212	36	5.5		
									Tl-208	8.1	5.0			Pb-214	23	7.6		
									-	-	-			Tl-208	12	4.0		
									-	-	-			Cs-137	4.5	4.1		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
47	Ishikawa Prefecture	River	Tedoru River	Hakusangoguchi Dike	Hakusan City	2018/8/22	Sunny	Loamy	Ac-228	32	13	0.08	Loamy	Ac-228	46	15	0.07	
									Bi-214	14	7.9			Bi-214	21	11		
									K-40	880	65			K-40	640	78		
									Pb-212	32	5.1			Pb-212	46	5.8		
									Pb-214	24	7.3			Pb-214	30	8.3		
									Tl-208	5.5	4.3			Tl-208	13	4.6		
									-	-	-			Cs-137	21	4.1		
48	Fukui Prefecture	River	Kuzuryu River	Fuseda Bridge	Fukui City	2018/10/29	Cloudy	Loamy	Ac-228	36	15	0.07	Loamy	Ac-228	37	15	0.07	
									Bi-214	19	9.4			Bi-214	24	9.0		
									K-40	650	65			K-40	650	65		
									Pb-212	38	5.9			Pb-212	35	5.9		
									Pb-214	18	8.4			Pb-214	22	8.8		
									Tl-208	14	3.8			Tl-208	11	4.1		
									Cs-137	5.7	4.1			Cs-137	4.4	3.8		
49	Fukui Prefecture	River	Kitagawa River	Takatsuka Bridge	Obama City	2018/8/20	Cloudy	Sandy	Ac-228	33	13	0.07	Sandy	Ac-228	35	13	0.06	
									Bi-214	25	9.1			Bi-214	19	7.9		
									K-40	700	55			K-40	620	49		
									Pb-212	39	5.2			Pb-212	36	5.4		
									Pb-214	34	6.5			Pb-214	23	6.4		
									Tl-208	9.4	4.0			Tl-208	12	3.8		
									-	-	-			-	-	-		
50	Yamanashi Prefecture	River	Sagami River	Katsuragawa Bridge	Uenohara City	2018/8/21	Sunny	Loamy	Ac-228	31	18	0.04	Loamy	K-40	260	76	0.04	
									K-40	450	80			Pb-212	14	7.4		
									Pb-212	28	7.4			Cs-134	10	5.0		
									Pb-214	12	10			Cs-137	140	4.4		
									Tl-208	8.0	4.7			-	-	-		
									Cs-137	52	4.8			-	-	-		
									-	-	-			-	-	-		
51	Yamanashi Prefecture	River	Fujikawa River	Nanbu Bridge	Nanbu Town	2018/8/20	Cloudy	Loamy	Bi-214	17	9.1	0.05	Loamy	Ac-228	25	14	0.06	
									K-40	320	78			Bi-214	17	8.0		
									Pb-212	25	6.3			K-40	560	63		
									Pb-214	24	8.7			Pb-212	28	5.5		
									Tl-208	8.0	4.5			Pb-214	23	7.1		
									Cs-137	9.9	4.9			Tl-208	7.2	4.0		
									-	-	-			Cs-137	9.9	3.7		
52	Nagano Prefecture	River	Shinano River	Ozeki Bridge	Iiyama City	2018/8/28	Rain	Loamy	Ac-228	38	16	0.08	Loamy	Ac-228	44	16	0.08	
									Bi-214	23	11			Bi-214	28	10		
									K-40	600	71			K-40	570	68		
									Pb-212	42	7.2			Pb-212	36	6.7		
									Pb-214	27	11			Pb-214	29	9.7		
									Tl-208	10	5.2			Tl-208	12	4.3		
									Cs-134	13	4.9			Cs-134	9.2	3.5		
Cs-137	150	4.9	Cs-137	75	4.6													
53	Nagano Prefecture	River	Saigawa River	Koichi Bridge	Nagano City	2018/8/30	Cloudy	Loamy	Ac-228	25	18	0.06	Sandy	Ac-228	38	13	0.07	
									Bi-214	20	9.5			Bi-214	23	8.2		
									K-40	520	74			K-40	690	55		
									Pb-212	34	6.0			Pb-212	42	5.8		
									Pb-214	22	9.1			Pb-214	29	7.4		
									Tl-208	12	4.3			Tl-208	12	3.9		
									Cs-134	5.5	4.7			Cs-137	46	4.1		
Cs-137	62	4.6	-	-	-													

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
54	Nagano Prefecture	River	Tenryu River	Tsutsuji Bridge	Iida City	2018/10/31	Sunny	Loamy	Ac-228	51	15	0.09	Loamy	Ac-228	70	19	0.09	
									Bi-214	36	9.0			Bi-212	76	62		
									K-40	630	63			Bi-214	31	10		
									Pb-212	54	6.0			K-40	460	79		
									Pb-214	40	7.9			Pb-212	81	6.7		
									Tl-208	11	4.6			Pb-214	41	9.3		
									-	-	-			Tl-208	21	5.5		
									-	-	-			Cs-137	6.6	5.1		
55	Gifu Prefecture	River	Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2018/9/26	Cloudy	Loamy	Ac-228	34	15	0.07	Loamy	Ac-228	41	21	0.05	
									Bi-214	16	8.6			Bi-214	27	11		
									K-40	760	61			K-40	650	76		
									Pb-212	38	5.1			Pb-212	48	6.9		
									Pb-214	22	7.2			Pb-214	33	8.9		
									Tl-208	11	3.8			Tl-208	12	5.2		
									-	-	-			Tl-208	12	5.2		
									-	-	-			Cs-137	12	5.0		
56	Gifu Prefecture	River	Nagara River	Tokai-ohashi Bridge	Kaizu City	2018/9/26	Cloudy	Loamy	Ac-228	58	19	0.07	Loamy	Ac-228	49	15	0.06	
									Bi-214	34	11			Bi-214	24	10		
									K-40	690	78			K-40	600	61		
									Pb-212	64	6.9			Pb-212	46	6.5		
									Pb-214	40	9.1			Pb-214	33	8.1		
									Tl-208	21	4.7			Tl-208	16	4.5		
									Cs-137	6.9	5.0			-	-	-		
									-	-	-			-	-	-		
57	Shizuoka Prefecture	River	Kanogawa River	Kurose Bridge	Numazu City	2018/9/19	Sunny	Loamy	Bi-214	8.4	8.4	0.03	Loamy	K-40	130	80	0.03	
									K-40	230	68			Cs-137	11	5.0		
									Pb-212	8.3	4.5			-	-	-		
									Cs-137	12	3.9			-	-	-		
									-	-	-			-	-	-		
58	Shizuoka Prefecture	River	Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town	2018/10/26	Sunny	Loamy	Ac-228	28	17	0.07	Loamy	Ac-228	29	15	0.07	
									Bi-214	16	11			Bi-214	18	8.7		
									K-40	590	69			K-40	470	56		
									Pb-212	34	5.8			Pb-212	34	5.0		
									Pb-214	23	8.0			Pb-214	24	6.8		
									Tl-208	11	4.3			Tl-208	12	3.7		
									Cs-137	17	4.4			Tl-208	12	3.7		
									-	-	-			Cs-137	19	3.7		
59	Shizuoka Prefecture	River	Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu City	2018/10/25	Sunny	Loamy	Ac-228	37	14	0.06	Loamy	Ac-228	33	15	0.06	
									Bi-214	16	7.8			Bi-214	19	8.1		
									K-40	500	59			K-40	540	64		
									Pb-212	29	5.2			Pb-212	29	5.0		
									Pb-214	18	7.0			Pb-214	21	7.5		
									Tl-208	7.5	4.0			Tl-208	7.3	4.1		
									Cs-137	7.9	4.1			Cs-137	13	4.1		
60	Aichi Prefecture	River	Shonai River	Mizuwake Bridge	Nagoya City	2018/9/11	Rain	Loamy	Ac-228	57	17	0.07	Loamy	Ac-228	46	17	0.07	
									Bi-214	34	10			Bi-214	29	9.5		
									K-40	750	75			K-40	670	65		
									Pb-212	57	6.9			Pb-212	48	6.6		
									Pb-214	34	9.2			Pb-214	31	9.3		
									Tl-208	16	5.1			Tl-208	17	4.4		
61	Aichi Prefecture	River	Yahagi River	Iwazutenjin Bridge	Okazaki City /Toyota City	2018/10/11	Cloudy	Loamy	Ac-228	37	18	0.06	Loamy	Ac-228	56	19	0.07	
									Bi-214	21	8.7			Bi-214	19	10		
									K-40	710	62			K-40	570	84		
									Pb-212	43	5.7			Pb-212	42	6.7		
									Pb-214	20	7.9			Pb-214	20	10		
									Tl-208	17	4.1			Tl-208	11	5.4		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
62	Aichi Prefecture	River	Toyogawa River	Eshima Bridge	Toyokawa City	2018/9/12	Rain	Loamy	Ac-228	27	14	0.05	Loamy	Ac-228	18	14	0.05	Soil sample (right bank side) was collected at 120m northwest from the original location because of difficulty in crossing the river.
									Bi-214	12	8.0			Bi-214	9.0	8.2		
									K-40	480	57			K-40	380	54		
									Pb-212	33	4.8			Pb-212	20	5.6		
									Pb-214	12	7.2			Pb-214	12	7.2		
									Tl-208	9.0	3.5			Tl-208	7.7	3.5		
									Cs-137	3.9	3.1			-	-	-		
63	Mie Prefecture	River	Suzuka River	Ogura Bridge	Yokkaichi City	2018/9/28	Sunny	Loamy	Ac-228	83	16	0.08	Loamy	Ac-228	71	19	0.08	
									Bi-212	77	71			Bi-212	80	66		
									Bi-214	43	12			Bi-214	44	9.5		
									K-40	700	74			K-40	740	66		
									Pb-212	89	6.8			Pb-212	73	6.7		
									Pb-214	44	9.4			Pb-214	44	8.8		
									Tl-208	27	5.0			Tl-208	23	4.1		
Cs-137	5.9	5.6	Cs-137	5.9	4.1													
64	Mie Prefecture	River	Miyakawa River	Watarai Bridge	Ise City	2018/8/20	Cloudy	Sandy	Ac-228	39	15	0.06	Sandy	Ac-228	46	16	0.06	
									Bi-214	25	7.9			Bi-214	24	9.2		
									K-40	530	59			K-40	690	65		
									Pb-212	43	4.8			Pb-212	40	5.5		
									Pb-214	30	7.6			Pb-214	27	7.2		
									Tl-208	9.6	4.3			Tl-208	12	3.8		
									-	-	-			-	-	-		
65	Shiga Prefecture	River	Adogawa River	Joan Bridge	Takashima City	2018/9/17	Cloudy	Loamy	Ac-228	37	20	0.05	Loamy	Ac-228	100	15	0.12	
									Bi-214	16	12			Bi-212	140	60		
									K-40	420	75			Bi-214	40	9.8		
									Pb-212	41	6.1			K-40	1100	56		
									Pb-214	21	8.9			Pb-212	110	6.6		
									Tl-208	15	5.1			Pb-214	51	8.6		
									-	-	-			Tl-208	30	4.4		
66	Shiga Prefecture	Lake	Lake Biwako	Karasakioki-Chuo	-	2018/10/23	Sunny	Sandy	Ac-228	26	12	0.07	-	-	-	-	-	
									Bi-214	10	7.3			-	-	-		
									K-40	920	50			-	-	-		
									Pb-212	19	4.8			-	-	-		
									Pb-214	13	6.0			-	-	-		
									Tl-208	6.3	3.0			-	-	-		
									-	-	-			-	-	-		
67	Kyoto Prefecture	River	Yuragawa River	Yuragawa Bridge	Maizuru City	2018/10/22	Cloudy	Loamy	Ac-228	27	17	0.06	Loamy	Ac-228	30	16	0.05	
									Bi-214	20	8.3			Bi-214	13	9.0		
									K-40	520	59			K-40	460	66		
									Pb-212	33	5.4			Pb-212	29	5.7		
									Pb-214	23	7.1			Pb-214	13	8.0		
									Tl-208	9.3	3.8			Tl-208	10	3.7		
									-	-	-			-	-	-		
68	Kyoto Prefecture	River	Katsura River	Before the confluence of three tributaries of Katsura River	Oyamazaki Town	2018/10/24	Sunny	Loamy	Ac-228	39	14	0.06	Sandy	Ac-228	37	13	0.05	Soil sample (left bank side) was collected at 400m upstream from the original location due to construction.
									Bi-214	16	9.6			Bi-214	13	8.4		
									K-40	700	59			K-40	680	58		
									Pb-212	38	5.9			Pb-212	30	5.5		
									Pb-214	24	7.6			Pb-214	14	7.8		
									Tl-208	13	3.7			Tl-208	8.4	3.8		
									-	-	-			-	-	-		
69	Osaka Prefecture	River	Inagawa River	Gunko Bridge	Itami City (Hyogo Prefecture)	2018/9/19	Sunny	Loamy	Ac-228	69	18	0.10	Loamy	Ac-228	130	15	0.13	
									Bi-214	37	11			Bi-212	130	64		
									K-40	840	70			Bi-214	51	9.8		
									Pb-212	73	6.5			K-40	1100	55		
									Pb-214	47	8.1			Pb-212	140	6.4		
									Tl-208	22	5.1			Pb-214	55	9.0		
									-	-	-			Tl-208	42	4.0		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
70	Osaka Prefecture	River	Yodogawa River	Sugaharashirokita-ohashi Bridge	Osaka City	2018/9/20	Rain	Loamy	Ac-228	49	17	0.09	Loamy	Ac-228	59	17	0.09	
									Bi-214	27	11			Bi-214	28	11		
									K-40	640	76			K-40	730	75		
									Pb-212	42	7.0			Pb-212	59	6.0		
									Pb-214	35	9.2			Pb-214	25	9.3		
									Tl-208	17	4.6			Tl-208	16	4.5		
71	Osaka Prefecture	River	Ishikawa River	Takahashi	Tondabayashi City	2018/9/18	Sunny	Loamy	Ac-228	33	17	0.08	Loamy	Ac-228	36	16	0.07	
									Bi-214	22	9.0			Bi-214	24	9.5		
									K-40	620	66			K-40	730	69		
									Pb-212	42	5.8			Pb-212	32	6.7		
									Pb-214	20	7.8			Pb-214	32	8.8		
									Tl-208	10	4.4			Tl-208	12	4.7		
72	Hyogo Prefecture	River	Kakogawa River	Kakogawa Bridge	Kakogawa City	2018/9/13	Cloudy	Sandy	Ac-228	42	15	0.07	Sandy	Ac-228	31	13	0.06	
									Bi-214	19	9.9			Bi-214	11	8.6		
									K-40	730	71			K-40	730	55		
									Pb-212	48	6.7			Pb-212	36	5.0		
									Pb-214	27	9.3			Pb-214	19	7.2		
									Tl-208	13	5.0			Tl-208	12	3.3		
73	Hyogo Prefecture	River	Mukogawa River	Hyakkenbi	Takarazuka City	2018/9/14	Cloudy	Sandy	Ac-228	61	17	0.09	Sandy	Ac-228	110	17	0.11	
									Bi-214	49	8.9			Bi-214	53	9.4		
									K-40	990	62			K-40	970	68		
									Pb-212	73	6.3			Pb-212	100	6.8		
									Pb-214	48	8.5			Pb-214	60	8.8		
									Tl-208	20	4.0			Tl-208	32	4.4		
74	Hyogo Prefecture	River	Maruyama River	Kaminogo Bridge	Toyooka City	2018/9/12	Cloudy	Loamy	Ac-228	32	19	0.08	Sandy	Ac-228	30	15	0.06	
									Bi-214	25	9.8			Bi-214	9.7	9.1		
									K-40	540	73			K-40	720	59		
									Pb-212	43	5.8			Pb-212	31	4.9		
									Pb-214	35	7.3			Pb-214	18	7.7		
									Tl-208	14	4.4			Tl-208	8.6	4.0		
75	Nara Prefecture	River	Yamato River	Fujii	Oji Town	2018/8/28	Sunny	Loamy	Ac-228	38	17	0.06	Loamy	Ac-228	24	17	0.06	
									Bi-214	16	11			Bi-214	15	10		
									K-40	490	70			K-40	560	66		
									Pb-212	40	5.9			Pb-212	32	5.5		
									Pb-214	26	8.7			Pb-214	21	7.3		
									Tl-208	9.7	4.3			Tl-208	12	4.0		
76	Nara Prefecture	River	Kinokawa River	Okura Bridge	Gojo City	2018/9/13	Rain	Loamy	Ac-228	29	16	0.06	Sandy	Ac-228	37	15	0.06	
									Bi-214	23	9.9			Bi-214	22	8.6		
									K-40	530	70			K-40	680	60		
									Pb-212	41	5.7			Pb-212	42	5.2		
									Pb-214	32	7.5			Pb-214	19	7.2		
									Tl-208	12	4.1			Tl-208	11	3.8		
77	Wakayama Prefecture	River	Kinokawa River	Shinrokkaizeki Weir	Wakayama City	2018/8/23	Cloudy	Loamy	Ac-228	30	18	0.06	Loamy	Ac-228	28	16	0.05	
									Bi-214	20	9.2			Bi-214	19	8.9		
									K-40	640	68			K-40	540	70		
									Pb-212	43	6.1			Pb-212	31	6.5		
									Pb-214	19	8.7			Pb-214	14	8.9		
									Tl-208	12	4.1			Tl-208	10	4.4		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
78	Wakayama Prefecture	River	Kumano River	Kumano-ohashi Bridge	Shingu City	2018/8/22	Cloudy	(No sampling conducted)	-	-	-	0.07	(No sampling conducted)	-	-	-	0.07	Unable to collect samples on both riverbanks due to being concrete-covered.
79	Tottori Prefecture	River	Sendai River	Gyotoku	Tottori City	2018/8/28	Cloudy	Loamy	Ac-228	57	16	0.09	Sandy	Ac-228	64	15	0.09	
									Bi-214	35	8.9			Bi-214	67	64		
									K-40	720	69			Bi-214	39	7.9		
									Pb-212	53	6.6			K-40	910	63		
									Pb-214	33	8.5			Pb-212	78	6.6		
									Pb-214	17	4.4			Pb-214	44	8.3		
									Tl-208	-	-			Tl-208	27	4.1		
80	Shimane Prefecture	River	Hiikawa River	Kandatsu Bridge	Izumo City	2018/8/30	Cloudy	Sandy	Ac-228	37	18	0.06	Sandy	Ac-228	42	17	0.08	
									Bi-214	17	9.4			Bi-214	28	8.6		
									K-40	700	67			K-40	780	65		
									Pb-212	39	5.7			Pb-212	39	5.2		
									Pb-214	22	7.3			Pb-214	21	8.2		
									Tl-208	13	4.2			Tl-208	11	4.2		
									Ac-228	24	14			Ac-228	32	16		
81	Shimane Prefecture	River	Gonokawa River	Sakurae-ohashi Bridge	Gotsu City	2018/8/31	Sunny	Sandy	Bi-214	17	8.1	0.08	Sandy	Bi-214	13	8.4	0.07	
									K-40	800	54			K-40	640	53		
									Pb-212	29	5.4			Pb-212	35	5.4		
									Pb-214	17	7.6			Pb-214	17	7.2		
									Tl-208	9.0	3.5			Tl-208	11	3.8		
									Ac-228	18	15			Ac-228	40	15		
									Bi-214	20	8.9			Bi-214	23	9.9		
82	Okayama Prefecture	River	Asahi River	Otoite Weir	Okayama City	2018/8/27	Sunny	Sandy	K-40	790	55	0.07	Sandy	K-40	770	64	0.08	
									Pb-212	31	5.0			Pb-212	51	5.7		
									Pb-214	21	6.9			Pb-214	22	7.8		
									Tl-208	7.7	3.6			Tl-208	12	4.3		
									Ac-228	66	20			Ac-228	50	16		
									Bi-212	77	77			Bi-214	27	8.3		
									Bi-214	32	12			K-40	810	65		
83	Okayama Prefecture	River	Takahashi River	Kasumi Bridge	Kurashiki City	2018/10/16	Cloudy	Loamy	K-40	860	82	0.09	Loamy	Pb-212	49	6.2	0.08	
									Pb-212	70	8.1			Pb-214	24	8.8		
									Pb-214	33	11			Tl-208	17	4.2		
									Tl-208	22	5.3			-	-	-		
									Ac-228	53	19			Ac-228	52	17		
									Bi-214	28	11			Bi-214	29	10		
									K-40	760	76			K-40	790	69		
84	Hiroshima Prefecture	River	Ota River	Water purification plant intake in Hesaka	Hiroshima City	2018/9/14	Cloudy	Loamy	Pb-212	58	6.5	0.09	Loamy	Pb-212	60	5.9	0.10	
									Pb-214	32	8.6			Pb-214	41	8.4		
									Tl-208	21	4.7			Tl-208	19	4.3		
									Ac-228	51	18			Ac-228	62	16		
									Bi-214	18	11			Bi-212	77	60		
									K-40	720	69			Bi-214	35	9.9		
									Pb-212	56	6.6			K-40	730	68		
85	Hiroshima Prefecture	River	Ashida River	Kominomi Bridge	Fukuyama City	2018/8/20	Sunny	Loamy	Pb-214	24	9.2	0.08	Loamy	Pb-212	62	6.8	0.08	
									Tl-208	16	5.0			Pb-214	41	8.5		
									-	-	-			Tl-208	21	4.2		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
86	Yamaguchi Prefecture	River	Nishiki River	Water purification plant intake for the city	Iwakuni City	2018/8/21	Sunny	Sandy	Ac-228	55	15	0.10	Sandy	Ac-228	120	16	0.11	
									Bi-214	30	9.6			Bi-212	120	62		
									K-40	730	70			Bi-214	65	10		
									Pb-212	61	6.4			K-40	910	57		
									Pb-214	37	8.8			Pb-212	110	6.5		
									Tl-208	18	4.2			Pb-214	75	8.8		
									-	-	-			Tl-208	33	4.4		
87	Yamaguchi Prefecture	River	Kotogawa River	Suenobu Bridge	Ube City	2018/8/21	Sunny	Loamy	Ac-228	75	19	0.10	Loamy	Ac-228	61	19	0.10	
									Bi-212	94	64			Bi-214	46	12		
									Bi-214	72	9.5			K-40	590	82		
									K-40	980	72			Pb-212	61	6.9		
									Pb-212	90	7.1			Pb-214	48	9.5		
									Pb-214	65	9.2			Tl-208	18	4.7		
									Tl-208	23	5.1			-	-	-		
88	Tokushima Prefecture	River	Yoshino River	Takase Bridge	Ishii Town	2018/10/17	Sunny	Loamy	Ac-228	34	16	0.05	Loamy	Ac-228	31	19	0.06	
									Bi-214	16	11			Bi-214	23	9.6		
									K-40	550	71			K-40	590	72		
									Pb-212	36	6.0			Pb-212	39	6.1		
									Pb-214	22	7.7			Pb-214	24	9.2		
									Tl-208	11	4.4			Tl-208	11	4.2		
									-	-	-			-	-	-		
89	Tokushima Prefecture	River	Nakagawa River	Nakagawa Bridge	Anan City	2018/10/18	Sunny	Loamy	Ac-228	32	16	0.06	Loamy	Ac-228	26	15	0.06	
									Bi-214	17	9.8			Bi-214	21	9.1		
									K-40	630	62			K-40	640	63		
									Pb-212	34	6.0			Pb-212	37	5.5		
									Pb-214	23	7.8			Pb-214	19	7.4		
									Tl-208	9.6	3.9			Tl-208	12	3.9		
									-	-	-			-	-	-		
90	Kagawa Prefecture	River	Dokigawa River	Marugame Bridge	Marugame City	2018/10/19	Sunny	Sandy	Ac-228	32	15	0.07	Sandy	Ac-228	49	17	0.08	
									Bi-214	18	9.3			Bi-214	32	9.8		
									K-40	770	66			K-40	720	70		
									Pb-212	40	5.9			Pb-212	49	6.6		
									Pb-214	20	8.6			Pb-214	31	8.9		
									Tl-208	15	3.5			Tl-208	16	4.4		
									-	-	-			-	-	-		
91	Ehime Prefecture	River	Shigenobu River	Deai Bridge	Matsuyama City	2018/9/3	Sunny	Sandy	Ac-228	43	18	0.09	Sandy	Ac-228	29	14	0.08	
									Bi-214	25	8.7			Bi-214	21	7.3		
									K-40	650	67			K-40	580	58		
									Pb-212	46	5.7			Pb-212	33	4.9		
									Pb-214	28	8.4			Pb-214	17	7.4		
									Tl-208	14	4.3			Tl-208	7.9	3.6		
									-	-	-			-	-	-		
92	Ehime Prefecture	River	Hijikawa River	Hijikawa Bridge	Ozu City	2018/9/25	Cloudy	Sandy	Ac-228	40	17	0.02	Sandy	Ac-228	34	17	0.06	
									Bi-214	14	9.8			Bi-214	17	9.1		
									K-40	440	69			K-40	510	67		
									Pb-212	33	6.0			Pb-212	32	6.2		
									Pb-214	11	8.1			Pb-214	18	8.6		
									Tl-208	9.7	4.6			Tl-208	12	4.4		
									-	-	-			-	-	-		
93	Kochi Prefecture	River	Kagami River	Kachuzeki Weir	Kochi City	2018/9/28	Sunny	Loamy	Ac-228	47	15	0.04	Loamy	Ac-228	32	18	0.06	
									Bi-214	34	8.5			Bi-214	23	9.4		
									K-40	380	64			K-40	500	73		
									Pb-212	56	5.0			Pb-212	43	5.8		
									Pb-214	25	8.6			Pb-214	27	8.4		
									Tl-208	15	4.1			Tl-208	12	3.9		
									-	-	-			-	-	-		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
94	Kochi Prefecture	River	Niyodo River	Hatazeki Weir (1) Center of flow	Ino Town	2018/9/27	Sunny	Sandy	Ac-228	27	17	0.06	Loamy	Ac-228	33	25	0.05	
									Bi-214	19	10			Bi-214	26	12		
									K-40	590	73			K-40	640	93		
									Pb-212	35	6.2			Pb-212	38	6.6		
									Pb-214	20	8.9			Pb-214	22	11		
									Tl-208	9.0	4.3			Tl-208	12	5.0		
95	Fukuoka Prefecture	River	Onga River	Hinode Bridge	Nogata City	2018/8/20	Sunny	Loamy	Ac-228	69	18	0.05	Loamy	Ac-228	57	17	0.06	
									Bi-214	23	10			Bi-214	12	8.7		
									K-40	730	71			K-40	860	59		
									Pb-212	72	6.2			Pb-212	58	5.4		
									Pb-214	20	8.8			Pb-214	12	7.3		
									Tl-208	21	5.1			Tl-208	16	4.4		
96	Fukuoka Prefecture	River	Nakagawa River	Shiobara Bridge	Fukuoka City	2018/8/22	Cloudy	Loamy	Ac-228	42	18	0.07	Sandy	Ac-228	54	16	0.08	
									Bi-214	31	10			Bi-214	27	10		
									K-40	510	75			K-40	630	75		
									Pb-212	44	6.9			Pb-212	48	6.7		
									Pb-214	36	9.5			Pb-214	26	8.8		
									Tl-208	11	5.0			Tl-208	15	4.0		
97	Fukuoka Prefecture	River	Chikugo River	Senoshita	Kurume City	2018/8/21	Sunny	Sandy	Ac-228	28	14	0.06	Loamy	Ac-228	32	18	0.05	
									Bi-214	17	9.0			Bi-214	18	10		
									K-40	570	65			K-40	560	73		
									Pb-212	26	5.5			Pb-212	30	5.7		
									Pb-214	22	7.5			Pb-214	18	8.2		
									Tl-208	9.9	4.1			Tl-208	11	4.5		
98	Saga Prefecture	River	Kasegawa River	Kasebashi Bridge	Saga City	2018/8/23	Cloudy	Sandy	Ac-228	16	15	0.06	Loamy	Ac-228	33	18	0.05	
									Bi-214	13	8.5			Bi-214	19	9.8		
									K-40	710	64			K-40	560	78		
									Pb-212	28	5.2			Pb-212	32	6.3		
									Pb-214	16	7.1			Pb-214	21	9.3		
									Tl-208	7.9	3.8			Tl-208	12	5.1		
99	Nagasaki Prefecture	River	Honmyogawa River	In front of Tenma Park	Isahaya City	2018/9/14	Cloudy	Loamy	Ac-228	33	18	0.05	Loamy	Ac-228	36	20	0.05	
									Bi-214	21	10			Bi-214	29	9.9		
									K-40	300	82			K-40	370	82		
									Pb-212	41	6.0			Pb-212	35	7.1		
									Pb-214	31	8.3			Pb-214	18	9.9		
									Tl-208	11	4.8			Tl-208	9.4	4.9		
100	Nagasaki Prefecture	River	Urakami River	Ohashizeki Weir	Nagasaki City	2018/8/30	Cloudy	Loamy	Ac-228	16	15	0.05	Loamy	K-40	350	58	0.05	
									Bi-214	11	8.1			Pb-212	19	5.0		
									K-40	460	61			Pb-214	15	7.0		
									Pb-212	19	4.9			Tl-208	5.7	3.9		
									Pb-214	10	7.5			-	-	-		
									Tl-208	5.9	3.9			-	-	-		
101	Kumamoto Prefecture	River	Kikuchi River	Shiroishi	Nagomi Town	2018/8/27	Sunny	Loamy	Ac-228	56	15	0.07	Loamy	Ac-228	18	14	0.05	
									Bi-212	67	62			Bi-214	13	9.1		
									Bi-214	22	9.8			K-40	790	58		
									K-40	860	67			Pb-212	28	4.9		
									Pb-212	57	6.4			Pb-214	15	7.6		
									Pb-214	27	8.4			Tl-208	8.0	3.8		
Tl-208	19	4.4	-	-	-													

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Left bank				Right bank				Remarks		
			Water area	Location	Municipality			Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	Property	Detected γ -ray emitting radionuclides			Ambient dose rate (μ Sv/h)	
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)			Detection limit (Bq/kg-dry)
102	Kumamoto Prefecture	River	Midori River	Uesugizeki Weir	Kumamoto City	2018/8/28	Sunny	Loamy	Ac-228	32	14	0.05	Loamy	Ac-228	42	15	0.05	
									Bi-214	23	8.6			Bi-214	25	9.6		
									K-40	500	65			K-40	560	67		
									Pb-212	32	6.4			Pb-212	43	5.8		
									Pb-214	24	7.8			Pb-214	25	8.9		
									Tl-208	11	4.0			Tl-208	11	4.6		
103	Oita Prefecture	River	Oita River	Funai-ohashi Bridge	Oita City	2018/9/12	Cloudy	Loamy	Bi-214	15	9.9	0.05	Loamy	Ac-228	30	19	0.05	
									K-40	460	78			Bi-214	18	11		
									Pb-212	25	7.0			K-40	470	84		
									Pb-214	20	8.4			Pb-212	31	7.6		
									Tl-208	6.3	4.4			Pb-214	25	9.6		
									-	-	-			Tl-208	9.1	4.9		
104	Oita Prefecture	River	Ono River	Shirataki Bridge	Oita City	2018/9/11	Cloudy	Loamy	Ac-228	31	16	0.05	Loamy	Ac-228	43	18	0.05	
									Bi-214	24	9.0			Bi-214	22	11		
									K-40	570	63			K-40	490	81		
									Pb-212	29	5.7			Pb-212	36	6.5		
									Pb-214	21	7.1			Pb-214	28	8.7		
									Tl-208	7.0	4.0			Tl-208	11	4.5		
105	Miyazaki Prefecture	River	Gokase River	Miwa	Nobeoka City	2018/9/13	Cloudy	Loamy	Ac-228	40	16	0.07	Loamy	Ac-228	42	17	0.05	
									Bi-214	34	9.0			Bi-214	20	10		
									K-40	590	72			K-40	650	75		
									Pb-212	46	6.5			Pb-212	43	6.3		
									Pb-214	34	8.3			Pb-214	22	9.4		
									Tl-208	13	4.4			Tl-208	11	4.7		
106	Miyazaki Prefecture	River	Oyodo River	Shinaioi Bridge	Miyazaki City	2018/9/7	Cloudy	Loamy	Ac-228	36	14	0.05	Loamy	Ac-228	40	18	0.05	
									Bi-214	17	10			Bi-214	24	10		
									K-40	530	77			K-40	520	83		
									Pb-212	34	6.6			Pb-212	33	6.5		
									Pb-214	25	7.7			Pb-214	31	9.4		
									Tl-208	11	4.4			Tl-208	10	4.3		
									-	-	-			Cs-137	8.5	5.1		
107	Kagoshima Prefecture	River	Kotsuki River	Iwasaki Bridge	Kagoshima City	2018/9/4	Cloudy	(No sampling conducted)	-	-	-	0.06	(No sampling conducted)	-	-	-	0.06	Unable to collect samples on both riverbanks due to being concrete-covered.
108	Kagoshima Prefecture	River	Kimotsuki River	Matase Bridge	Kanoya City	2018/9/5	Cloudy	Loamy	Ac-228	46	19	0.05	Loamy	Ac-228	50	23	0.05	
									Bi-214	25	13			Bi-214	33	11		
									K-40	460	100			K-40	540	87		
									Pb-212	43	8.9			Pb-212	53	7.6		
									Pb-214	35	11			Pb-214	25	10		
									Tl-208	13	5.8			Tl-208	16	5.7		
109	Okinawa Prefecture	River	Genka River	Water intake	Nago City	2018/9/20	Cloudy	Loamy	Ac-228	45	12	0.04	Loamy	Ac-228	30	19	0.04	
									Bi-214	22	8.5			Bi-214	22	10		
									K-40	540	59			K-40	590	72		
									Pb-212	43	5.0			Pb-212	37	6.3		
									Pb-214	25	6.8			Pb-214	30	8.5		
									Tl-208	13	3.9			Tl-208	12	4.4		
110	Okinawa Prefecture	River	Miyara River	Omoto water intake	Ishigaki City	2018/9/18	Sunny	Loamy	Ac-228	53	15	0.05	Loamy	Ac-228	27	17	0.04	
									Bi-212	64	58			Bi-214	26	9.0		
									Bi-214	42	9.3			K-40	570	66		
									K-40	490	73			Pb-212	32	5.7		
									Pb-212	57	6.4			Pb-214	24	7.8		
									Pb-214	48	8.3			Tl-208	7.5	4.5		
									Tl-208	20	4.3			-	-	-		

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Results of Measurement of Groundwater (Water)

Results of Measurement of Groundwater (Water)

No.	Prefecture	Sampling location				Sampling Date	General items				Water					Ambient dose rate (μSv/h)	Remarks
		Location	Municipality	Well depth (m)	Shallow well or deep well		Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ-ray emitting radionuclides			Total β radioactivity			
											Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)		
1	Hokkaido Prefecture	Kitasanjonishi, Chuo Ward	Sapporo City	70	Deep well	2018/8/20	>100	32.9	<1	<1	K-40	0.12	0.036	0.083	0.025	0.05	
2	Hokkaido Prefecture	Onnenai	Abashiri City	Unknown	Shallow well	2018/8/29	>100	11.2	3	2	-	-	-	0.036	0.024	0.04	
3	Aomori Prefecture	Shinmachi	Aomori City	600	Unknown	2018/8/29	>100	18.5	<1	<1	K-40	0.040	0.033	0.040	0.025	0.05	
4	Aomori Prefecture	Kizukurisuehiro	Tsugaru City	Unknown	Deep well	2018/8/28	>100	16.9	1	2	K-40	0.10	0.025	0.081	0.024	0.04	
5	Iwate Prefecture	Motomiya	Morioka City	Unknown	Shallow well	2018/8/24	>100	27.0	<1	<1	K-40	0.071	0.032	0.045	0.025	0.05	
6	Iwate Prefecture	Shinkawacho	Miyako City	61	Deep well	2018/8/23	>100	9.7	<1	<1	K-40	0.029	0.021	0.024	0.024	0.05	
7	Miyagi Prefecture	Honcho, Aoba Ward	Sendai City	250	Deep well	2018/8/20	>100	44.8	<1	<1	K-40	0.095	0.052	0.078	0.026	0.06	
8	Miyagi Prefecture	Wakayanagi-Kamihataoka	Kurihara City	Unknown	Deep well	2018/8/22	>100	12.9	3	2	-	-	-	ND	0.026	0.05	
9	Akita Prefecture	Niiyaji	Daisen City	20~25	Shallow well	2018/8/31	>100	17.7	<1	<1	K-40	0.042	0.029	0.052	0.024	0.04	
10	Akita Prefecture	Kawabematsubuchi	Akita City	Unknown	Deep well	2018/8/30	>100	17.1	<1	<1	K-40	0.041	0.027	0.056	0.025	0.06	
11	Yamagata Prefecture	Hatagomachi	Yamagata City	150	Deep well	2018/9/3	>100	20.4	<1	<1	K-40	0.034	0.031	0.041	0.024	0.07	
12	Yamagata Prefecture	Chuo	Higashine City	Unknown	Deep well	2018/9/3	>100	26.2	<1	<1	-	-	-	0.030	0.024	0.06	
13	Fukushima Prefecture	Asahi	Koriyama City	60	Unknown	2018/8/30	18	105	23	9	K-40	0.093	0.047	0.11	0.032	0.24	
14	Fukushima Prefecture	Nishikimachi	Iwaki City	7.5	Unknown	2018/10/5	>100	85.2	2	<1	K-40	0.28	0.027	0.27	0.028	0.06	
15	Ibaraki Prefecture	Kenkyugakuen	Tsukuba City	120	Deep well	2018/8/24	>100	14.2	<1	<1	K-40	0.12	0.032	0.12	0.024	0.06	
16	Ibaraki Prefecture	Onohara	Kamisu City	Unknown	Deep well	2018/8/23	>100	39.0	<1	<1	K-40	0.035	0.026	0.045	0.025	0.08	
17	Ibaraki Prefecture	Kanaicho	Hitachiota City	Unknown	Unknown	2018/8/27	>100	30.7	<1	<1	K-40	0.89	0.039	0.79	0.049	0.10	
18	Tochigi Prefecture	Machida	Shimotsuke City	130	Deep well	2018/9/12	>100	31.4	<1	<1	K-40	0.054	0.045	0.038	0.025	0.05	
19	Tochigi Prefecture	Jonaicho	Tochigi City	58	Deep well	2018/9/13	>100	16.1	<1	<1	K-40	0.036	0.026	0.031	0.023	0.07	
20	Tochigi Prefecture	Iino	Motegi Town	15	Shallow well	2018/9/13	>100	16.4	<1	<1	K-40	0.056	0.032	0.057	0.025	0.10	
21	Gunma Prefecture	Shikishimacho	Maebashi City	120	Deep well	2018/8/22	>100	29.3	<1	<1	K-40	0.087	0.036	0.057	0.025	0.04	
22	Gunma Prefecture	Akagimachitakizawa	Shibukawa City	Unknown	Unknown	2018/8/22	>100	12.5	<1	<1	-	-	-	ND	0.023	0.04	
23	Gunma Prefecture	Tatsuishi	Fujioka City	170	Deep well	2018/8/21	>100	33.3	<1	<1	K-40	0.067	0.031	0.065	0.025	0.05	
24	Saitama Prefecture	Mikura, Minuma Ward	Saitama City	300	Deep well	2018/8/31	>100	17.7	<1	<1	K-40	0.058	0.042	0.049	0.025	0.05	
25	Saitama Prefecture	Hirou	Kasukabe City	400	Deep well	2018/9/3	>100	74.0	<1	<1	K-40	0.27	0.040	0.21	0.028	0.05	
26	Saitama Prefecture	Mida	Konosu City	250	Deep well	2018/9/5	>100	37.8	<1	<1	K-40	0.067	0.032	0.044	0.025	0.05	
27	Chiba Prefecture	Funato	Kashiwa City	150	Unknown	2018/8/24	>100	20.1	<1	<1	K-40	0.068	0.036	0.056	0.024	0.11	
28	Chiba Prefecture	Natsumidai	Funabashi City	30	Unknown	2018/8/22	>100	19.1	<1	<1	K-40	0.062	0.038	0.040	0.025	0.06	
29	Chiba Prefecture	Tokiwadaira	Matsudo City	60	Unknown	2018/8/22	>100	51.8	<1	<1	K-40	0.10	0.047	0.078	0.026	0.09	
30	Tokyo Metropolis	Kajinocho	Koganei City	80	Unknown	2018/8/29	>100	19.8	<1	<1	-	-	-	0.024	0.023	0.03	

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Results of Measurement of Groundwater (Water)

No.	Prefecture	Sampling location				Sampling Date	General items				Water					Ambient dose rate (μSv/h)	Remarks
		Location	Municipality	Well depth (m)	Shallow well or deep well		Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ-ray emitting radionuclides		Total β radioactivity				
											Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)		
31	Tokyo Metropolis	Sekimachikita	Nerima City	190	Deep well	2018/8/30	64	21.8	6	3	K-40	0.073	0.036	0.069	0.024	0.04	
32	Kanagawa Prefecture	Imaizumi	Hadano City	22.7	Deep well	2018/8/27	>100	21.5	<1	<1	-	-	-	ND	0.026	0.04	
33	Kanagawa Prefecture	Kowakudani	Hakone Town	Unknown	Deep well	2018/8/27	>100	22.4	<1	<1	-	-	-	0.040	0.025	0.02	
34	Niigata Prefecture	Nagata, Chuo Ward	Niigata City	6	Shallow well	2018/8/28	>100	80.7	2	<1	K-40	0.44	0.045	0.33	0.028	0.07	
35	Niigata Prefecture	Yahata	Sado City	70	Unknown	2018/8/29	>100	45.6	1	2	K-40	0.41	0.035	0.35	0.025	0.06	
36	Niigata Prefecture	Matsubaracho	Murakami City	10.69	Unknown	2018/8/28	>100	15.4	<1	<1	K-40	0.096	0.016	0.12	0.025	0.08	
37	Toyama Prefecture	Funahashikitamachi	Toyama City	80	Unknown	2018/8/27	>100	24.9	<1	1	K-40	0.062	0.030	0.051	0.025	0.09	
38	Toyama Prefecture	Imai	Imizu City	100	Deep well	2018/8/24	82	21.0	19	7	K-40	0.096	0.037	0.083	0.024	0.07	
39	Ishikawa Prefecture	Kuramitsu	Hakusan City	120	Deep well	2018/8/23	>100	29.3	<1	<1	K-40	0.055	0.025	0.039	0.024	0.06	
40	Ishikawa Prefecture	Hamasamimachi	Komatsu City	40	Deep well	2018/8/22	>100	27.8	<1	<1	K-40	0.095	0.030	0.087	0.026	0.07	
41	Fukui Prefecture	Ote	Fukui City	120	Deep well	2018/8/21	>100	29.9	<1	<1	K-40	0.056	0.023	0.030	0.025	0.09	
42	Fukui Prefecture	Horiyashiki	Obama City	60	Deep well	2018/8/20	>100	15.9	<1	<1	K-40	0.054	0.016	0.041	0.024	0.07	
43	Yamanashi Prefecture	Saijyoshinden	Showa Town	85	Deep well	2018/8/20	>100	17.4	<1	<1	K-40	0.070	0.023	0.071	0.023	0.06	
44	Yamanashi Prefecture	Shimoya	Tsuru City	48	Deep well	2018/8/21	>100	14.5	<1	<1	-	-	-	0.028	0.025	0.04	
45	Nagano Prefecture	Tsurugamidoriicho	Nagano City	110	Deep well	2018/8/29	>100	45.5	<1	<1	K-40	0.14	0.028	0.087	0.026	0.05	
46	Nagano Prefecture	Chuo	Nakano City	Unknown	Unknown	2018/8/28	>100	28.2	<1	<1	K-40	0.079	0.027	0.083	0.024	0.07	
47	Nagano Prefecture	Chuo	Matsumoto City	40	Unknown	2018/8/30	>100	38.4	<1	<1	K-40	0.071	0.027	0.044	0.025	0.09	
48	Gifu Prefecture	Kanoshimizuchō	Gifu City	19.90	Shallow well	2018/9/25	>100	9.9	<1	<1	K-40	0.062	0.016	0.036	0.024	0.07	
49	Gifu Prefecture	Naka	Yoro Town	60	Deep well	2018/9/27	>100	13.1	<1	<1	K-40	0.036	0.013	ND	0.024	0.08	Groundwater after chlorine treatment
50	Gifu Prefecture	Imawatari	Kani City	Unknown	Deep well	2018/9/25	>100	19.2	<1	<1	K-40	0.099	0.019	0.061	0.023	0.09	
51	Shizuoka Prefecture	Hara	Numazu City	200	Deep well	2018/9/19	>100	9.7	<1	<1	-	-	-	0.025	0.023	0.04	
52	Shizuoka Prefecture	Mitsuke	Iwata City	60	Shallow well	2018/9/18	>100	40.8	<1	<1	-	-	-	ND	0.026	0.06	
53	Shizuoka Prefecture	Higashi Kaminishicho	Hamamatsu City	253	Deep well	2018/12/10	>100	11.8	<1	<1	-	-	-	0.025	0.024	0.06	
54	Aichi Prefecture	Kawaharatori, Showa Ward	Nagoya City	55	Deep well	2018/9/11	>100	7.2	<1	<1	K-40	0.17	0.020	0.12	0.023	0.07	
55	Aichi Prefecture	Maebayashicho	Toyota City	160	Deep well	2018/9/12	>100	12.6	6	7	K-40	0.13	0.038	0.095	0.024	0.06	
56	Aichi Prefecture	Maebayashicho	Toyota City	Unknown	Deep well	2018/9/13	>100	20.7	<1	<1	K-40	0.029	0.026	0.028	0.025	0.05	
57	Mie Prefecture	Inouchō	Suzuka City	200	Deep well	2018/9/3	>100	14.4	4	5	K-40	0.11	0.036	0.11	0.024	0.07	
										Pb-214	0.0050	0.0033					
58	Mie Prefecture	Inabechokamikasada	Inabe City	8.78	Shallow well	2018/9/27	>100	11.2	<1	<1	K-40	0.053	0.015	0.036	0.023	0.05	
59	Mie Prefecture	Kiinagashimakunagashima	Kihoku Town	9	Shallow well	2018/8/20	>100	6.0	<1	<1	-	-	-	ND	0.023	0.09	

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Results of Measurement of Groundwater (Water)

No.	Prefecture	Sampling location				Sampling Date	General items				Water					Ambient dose rate (μSv/h)	Remarks
		Location	Municipality	Well depth (m)	Shallow well or deep well		Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ-ray emitting radionuclides			Total β radioactivity			
											Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)		
60	Shiga Prefecture	Miyakecho	Moriyama City	20~30	Deep well	2018/9/5	>100	23.6	6	3	K-40	0.050	0.030	0.035	0.025	0.07	
61	Shiga Prefecture	Kamiokabecho	Hikone City	140	Deep well	2018/9/4	>100	27.5	<1	<1	-	-	-	0.035	0.025	0.07	
62	Shiga Prefecture	Inokocho	Higashiomi City	Unknown	Unknown	2018/9/3	>100	11.6	<1	<1	K-40	0.029	0.022	0.023	0.023	0.08	
63	Kyoto Prefecture	Toraishicho, Nakagyo Ward	Kyoto City	80	Deep well	2018/9/7	>100	12.7	<1	<1	K-40	0.043	0.021	0.057	0.023	0.09	
64	Kyoto Prefecture	Amarubecho-Wakunari	Kameoka City	Unknown	Deep well	2018/9/6	>100	19.8	5	6	K-40	0.034	0.029	0.042	0.025	0.07	
65	Osaka Prefecture	Daisennakamachi, Sakai Ward	Sakai City	181	Deep well	2018/9/14	>100	38.0	6	<1	K-40	0.41	0.038	0.34	0.026	0.07	
66	Osaka Prefecture	Harukidaikokucho	Kishiwada City	150	Deep well	2018/9/19	22	426	21	16	K-40	1.3	0.075	1.3	0.071	0.07	
67	Hyogo Prefecture	Kuchisakai	Itami City	29.25	Shallow well	2018/9/10	>100	35.1	15	30	K-40	0.13	0.026	0.12	0.025	0.07	
68	Hyogo Prefecture	Saiwaicho	Toyouka City	42.04	Deep well	2018/9/11	26	52.9	25	14	K-40	0.40	0.028	0.38	0.027	0.06	
69	Hyogo Prefecture	Shimotoda	Nishiwaki City	7.5	Shallow well	2018/9/12	>100	21.0	<1	<1	K-40	0.091	0.021	0.049	0.026	0.07	
70	Nara Prefecture	Sakyo	Nara City	82.5	Deep well	2018/8/28	>100	21.3	<1	<1	Ac-228	0.014	0.0067	0.080	0.025	0.07	
											Bi-214	0.0049	0.0045				
											K-40	0.082	0.036				
											Pb-214	0.0047	0.0041				
71	Nara Prefecture	Nakayamacho	Tenri City	6.25	Unknown	2018/8/29	>100	15.3	<1	<1	K-40	0.38	0.022	0.28	0.023	0.08	
72	Wakayama Prefecture	Takano	Kinokawa City	Unknown	Unknown	2018/8/23	>100	19.5	<1	<1	K-40	0.024	0.019	0.027	0.023	0.05	
73	Wakayama Prefecture	Taira	Shirahama Town	30	Deep well	2018/8/22	>100	11.1	<1	<1	K-40	0.038	0.017	0.033	0.024	0.06	
74	Tottori Prefecture	Saiwaicho	Tottori City	24.00	Deep well	2018/8/28	>100	67.2	1	<1	K-40	0.20	0.035	0.14	0.028	0.08	
75	Tottori Prefecture	Ebi	Kofu Town	80	Deep well	2018/8/29	>100	20.8	<1	<1	K-40	0.068	0.036	0.047	0.024	0.08	
76	Shimane Prefecture	Nishikawatsucho	Matsue City	100	Deep well	2018/8/29	>100	59.4	<1	<1	K-40	0.12	0.047	0.11	0.027	0.07	
77	Shimane Prefecture	Himebara(1)	Izumo City	30	Unknown	2018/8/30	>100	147	3	6	Ac-228	0.036	0.0077	0.31	0.057	0.06	
											Bi-214	0.014	0.0052				
											K-40	0.26	0.037				
											Pb-212	0.0042	0.0032				
											Pb-214	0.020	0.0046				
78	Okayama Prefecture	Fukui	Kurashiki City	13.1	Shallow well	2018/9/7	>100	65.5	<1	<1	K-40	0.16	0.026	0.13	0.027	0.08	
79	Okayama Prefecture	Kamochotatchu	Tsuyama City	11	Shallow well	2018/8/27	>100	9.3	<1	<1	K-40	0.035	0.021	0.061	0.023	0.09	
80	Hiroshima Prefecture	Kamisencho, Aki Ward	Hiroshima City	30	Deep well	2018/9/14	>100	6.6	<1	<1	K-40	0.028	0.023	0.065	0.027	0.12	
81	Hiroshima Prefecture	Tojochokushiro	Shobara City	23	Deep well	2018/8/20	>100	15.6	<1	<1	K-40	0.047	0.021	0.041	0.024	0.08	
82	Yamaguchi Prefecture	Ouchimihori	Yamaguchi City	20	Unknown	2018/8/22	>100	16.0	<1	<1	K-40	0.077	0.020	0.090	0.024	0.12	
83	Yamaguchi Prefecture	Ominechonishibun	Mine City	4.8	Shallow well	2018/8/22	>100	35.8	<1	<1	K-40	0.032	0.021	0.045	0.024	0.08	
84	Tokushima Prefecture	Fudohoncho	Tokushima City	25.7	Deep well	2018/10/17	>100	15.9	<1	<1	K-40	0.034	0.021	0.031	0.024	0.08	

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Results of Measurement of Groundwater (Water)

No.	Prefecture	Sampling location				Sampling Date	General items				Water					Ambient dose rate (μSv/h)	Remarks
		Location	Municipality	Well depth (m)	Shallow well or deep well		Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected γ-ray emitting radionuclides			Total β radioactivity			
											Radionuclides	Measured value (Bq/L)	Detection limit (Bq/L)	Measured value (Bq/L)	Detection limit (Bq/L)		
85	Tokushima Prefecture	Takazono	Kaiyo Town	60	Deep well	2018/10/18	>100	6.0	<1	<1	-	-	-	ND	0.024	0.08	
86	Kagawa Prefecture	Bancho	Takamatsu City	6	Shallow well	2018/9/10	>100	49.0	<1	<1	K-40	0.19	0.033	0.17	0.027	0.06	Water which had the same water source was sampled at different place due to construction.
87	Kagawa Prefecture	Shido	Sanuki City	Unknown	Unknown	2018/10/19	>100	7.2	<1	<1	K-40	0.025	0.016	0.035	0.022	0.08	
88	Ehime Prefecture	Hiraimachi	Matsuyama City	50	Deep well	2018/9/3	80	42.5	5	6	K-40	0.058	0.026	0.059	0.025	0.09	
89	Ehime Prefecture	Uwachokamimatsuba	Seiyo City	88.3	Deep well	2018/9/26	>100	13.1	<1	<1	K-40	0.047	0.027	ND	0.025	0.03	
90	Ehime Prefecture	Shiba	Ozu City	36.5	Deep well	2018/9/25	>100	30.5	<1	<1	K-40	0.076	0.022	0.062	0.025	0.04	
91	Kochi Prefecture	Kerako	Kochi City	8	Shallow well	2018/9/28	>100	16.6	<1	<1	K-40	0.054	0.021	0.063	0.023	0.05	
92	Kochi Prefecture	Fuba	Shimanto City	Unknown	Unknown	2018/9/27	>100	16.5	<1	<1	K-40	0.091	0.017	0.051	0.023	0.09	
93	Fukuoka Prefecture	Tanushimurumachiakinari	Kurume City	30	Shallow well	2018/8/21	>100	24.7	<1	<1	K-40	0.11	0.026	0.098	0.027	0.05	
94	Fukuoka Prefecture	Yamae	Chikushino City	80	Deep well	2018/10/9	>100	15.2	<1	<1	-	-	-	0.080	0.026	0.05	Groundwater after chlorine treatment
95	Saga Prefecture	Yamatochoniji	Saga City	100	Deep well	2018/8/23	>100	17.3	<1	<1	K-40	0.045	0.024	0.038	0.024	0.05	
96	Saga Prefecture	Hatatsuchokoba	Imari City	62	Deep well	2018/8/24	>100	24.9	<1	<1	K-40	0.047	0.021	ND	0.024	0.05	
97	Nagasaki Prefecture	Eidamachi	Isahaya City	132	Deep well	2018/8/31	>100	22.5	<1	<1	K-40	0.11	0.038	0.084	0.025	0.06	
98	Nagasaki Prefecture	Uenohara	Shimabara City	7.4	Shallow well	2018/8/30	>100	21.6	<1	<1	K-40	0.16	0.026	0.12	0.025	0.07	
99	Kumamoto Prefecture	Suizenji, Chuo Ward	Kumamoto City	55.5	Deep well	2018/8/28	>100	24.7	<1	<1	K-40	0.17	0.035	0.11	0.024	0.04	
100	Kumamoto Prefecture	Saitsumachi	Amakusa City	100	Deep well	2018/8/29	>100	34.3	<1	<1	K-40	0.15	0.028	0.12	0.025	0.06	
101	Kumamoto Prefecture	Sakae	Koshi City	101	Deep well	2018/10/5	>100	30.4	<1	<1	K-40	0.20	0.033	0.20	0.024	0.06	Groundwater after chlorine treatment
102	Oita Prefecture	Kamioka	Saiki City	35	Deep well	2018/9/10	>100	13.8	<1	<1	K-40	0.029	0.017	0.029	0.024	0.05	
103	Oita Prefecture	Hidaka	Hita City	250	Deep well	2018/9/10	>100	13.1	<1	<1	K-40	0.13	0.031	0.12	0.024	0.05	
104	Miyazaki Prefecture	Minamiyokoichicho	Miyakonojo City	130	Deep well	2018/9/6	>100	12.5	<1	<1	-	-	-	ND	0.023	0.06	
105	Miyazaki Prefecture	Minaminishikata	Kobayashi City	Unknown	Unknown	2018/9/6	>100	19.6	<1	<1	K-40	0.088	0.032	0.062	0.025	0.05	
106	Miyazaki Prefecture	Minamiyokoichicho	Miyakonojo City	20	Shallow well	2018/9/6	>100	30.8	<1	<1	K-40	0.16	0.032	0.13	0.025	0.05	
107	Kagoshima Prefecture	Tamazatocho	Kagoshima City	70	Deep well	2018/9/4	>100	22.3	<1	<1	K-40	0.16	0.036	0.14	0.047	0.06	
108	Kagoshima Prefecture	Okuchimemaru	Isa City	160	Deep well	2018/9/5	>100	9.6	<1	<1	K-40	0.088	0.036	0.091	0.023	0.06	
109	Okinawa Prefecture	Hirarahigashinakasonozoe	Miyakojima City	Unknown	Unknown	2018/9/19	>100	67.8	<1	<1	K-40	0.033	0.021	ND	0.028	0.06	
110	Okinawa Prefecture	Mabuni	Itoman City	32.8	Shallow well	2018/9/21	>100	75.1	<1	<1	K-40	0.10	0.022	0.051	0.028	0.03	

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