

National Radioactive Material Monitoring in the Water Environment in the Whole of
Japan (2017)

List of Results (Final Report)

Results of Measurement in Public Water Areas (Water)	1
Results of Measurement in Public Water Areas (Sediment).....	7
Results of Measurement in Public Water Areas (Surrounding Environment).....	21
Results of Measurement of Groundwater (Water)	36

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	Rivers	Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2017/8/24	Cloudy	1.1	0.1	>100	-	8.3	2	<1	K-40	0.056	0.025	ND	0.026		
2				Intake at the Shirakawa water purification plant in Sapporo City	Sapporo City	2017/9/27	Sunny	2.0	0.1	68	-	11.2	7	7	K-40	0.054	0.028	0.043	0.024		
3			Teshio River	Nakashibetsu Bridge (Intake at the Higashiyama water purification plant in Shibetsu City)	Shibetsu City	2017/8/23	Cloudy	0.6	0.1	>100	-	6.4	2	1	K-40	0.027	0.024	ND	0.025		
4			Tokoro River	Tadashi Bridge	Kitami City	2017/8/25	Sunny	0.6	0.1	>100	-	16.3	7	1	K-40	0.10	0.041	0.079	0.027		
5			Kushiro River	Intake at the Aikoku water purification plant in Kushiro City	Kushiro City	2017/8/28	Sunny	1.0	0.1	88	-	17.6	18	2	K-40	0.069	0.040	0.057	0.025		
6			Tokachi River	Nantai Bridge	Obihiro City	2017/8/28	Sunny	1.2	0.1	>100	-	6.8	1	<1	K-40	0.064	0.022	0.056	0.025		
7			Sarugawa River	Sarugawa Bridge (Tomigawa)	Hidaka Town	2017/10/6	Sunny	1.0	0.1	12	-	14.3	41	30	K-40	0.068	0.024	0.059	0.027		
														Pb-212	0.0034	0.0015					
8				Matsukura River	Mitsumori-bashi Bridge (Before the confluence with Torasawa River)	Hakodate City	2017/8/30	Sunny	0.4	0.1	>100	-	7.2	1	<1	K-40	0.047	0.027	0.034	0.024	
9				Shiribeshi-toshihetsu River	Intake at the Kitahiyama simple water plant in Kitahiyama Town	Setana Town	2017/8/30	Sunny	0.4	0.1	>100	-	10.6	2	<1	Be-7	0.016	0.011	0.060	0.026	
												K-40	0.079	0.020							
10	Aomori Prefecture		Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2017/8/31	Sunny	2.9	0.1	44	-	16.0	11	8	K-40	0.084	0.027	0.057	0.027		
11		Mabechi River	Shiruchi Bridge	Hachinohe City	2017/9/1	Sunny	1.7	0.1	49	-	12.4	10	5	K-40	0.064	0.035	0.053	0.025			
12		Mabechi River	Fugane Bridge	Ninohe City	2017/8/30	Sunny	1.8	0.1	52	-	10.1	6	2	K-40	0.048	0.031	0.036	0.026			
13	Iwate Prefecture	Heigawa River	Miyako Bridge	Miyako City	2017/9/9	Sunny	1.2	0.1	>100	-	381	1	<1	K-40	0.68	0.070	0.61	0.064			
14		Kitakami River	Chitose Bridge	Ichinoseki City	2017/9/11	Cloudy	2.3	0.1	>100	-	12.5	2	1	K-40	0.055	0.028	0.037	0.025			
15	Miyagi Prefecture	Abukuma River	Iwanuma (Abukuma Bridge)	Ichinoseki City	2017/8/24	Rain	1.0	0.1	42	-	14.9	9	4	K-40	0.074	0.026	0.074	0.026			
													Cs-134	0.0027	0.0014						
													Cs-137	0.022	0.0013						
16		Natori River	Yuriage-ohashi Bridge	Natori City	2017/9/8	Sunny	0.7	0.1	97	-	308	8	2	K-40	0.57	0.083	0.51	0.050			
17	Akita Prefecture	Yoneshiro River	Noshiro Bridge	Noshiro City	2017/9/5	Sunny	2.3	0.1	72	-	16.8	3	2	K-40	0.053	0.031	0.038	0.025			
18		Omono River	Kurose Bridge	Akita City	2017/9/6	Sunny	2.9	0.1	97	-	11.7	4	1	K-40	0.045	0.022	0.034	0.026			
19	Yamagata Prefecture	Mogami River	Ryou Bridge	Sakata City	2017/9/7	Cloudy	3.0	0.1	64	-	12.5	9	2	K-40	0.043	0.022	0.049	0.026			
20		Akagawa River	Shinkawa Bridge	Sakata City	2017/8/22	Rain	0.5	0.1	>100	-	13.2	2	1	K-40	0.042	0.024	0.036	0.024			
21		Agano River	Shingo Dam	Kitakata City	2017/9/4	Sunny	6.6	0.1	>100	-	8.0	4	1	K-40	0.031	0.026	0.034	0.025			
													Cs-137	0.0038	0.0010						
22	Fukushima Prefecture	Abukuma River	Taisho Bridge (Fushiguro)	Date City	2017/9/11	Cloudy	1.2	0.1	>100	-	18.2	5	1	K-40	0.084	0.030	0.050	0.027			
													Cs-134	0.0025	0.0012						
													Cs-137	0.018	0.0012						
23		Kujigawa River	Takachihara Bridge	Yamatsuri Town	2017/9/5	Sunny	1.4	0.1	>100	-	12.0	2	<1	K-40	0.067	0.023	0.063	0.024			
													Cs-137	0.0015	0.0011						

* This preliminary report does not contain counting errors concerning activity concentrations.

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)	
24	Ibaraki Prefecture	Lake	Lake Kasumigaura	Center (Surface layer)	Miho Village	2017/9/6	Rain	6.1	0.1	36	0.85	32.7	14	9	K-40	0.17	0.022	0.17	0.028	
				Center (Bottom layer)					5.1	36		32.7	14	9	K-40	0.16	0.021			
25			Kokai River	Fumimaki Bridge	Toride City	2017/10/2	Cloudy	1.6	0.1	45	-	22.3	33	6	K-40	0.099	0.027	0.12	0.028	
															Cs-137	0.0083	0.0015			
26	Tochigi Prefecture		Nakagawa River	Shinnaka Bridge	Nakagawa Town	2017/9/8	Sunny	0.6	0.1	>100	-	15.8	2	<1	K-40	0.073	0.034	0.054	0.024	
Cs-137															0.0098	0.0014				
27			Kinugawa River	Kinugawa Bridge (Hoshakuji Temple)	Utsunomiya City	2017/9/29	Sunny	2.5	0.1	>100	-	10.2	<1	<1	K-40	0.042	0.022	0.047	0.026	
Cs-137															0.0012	0.0010				
28	Gunma Prefecture	Rivers	Tonegawa River	Toneozeki Weir	Chiyoda Town /Gyoda City (Saitama Prefecture)	2017/8/29	Sunny	0.9	0.1	68	-	19.6	7	2	K-40	0.093	0.035	0.074	0.025	
Cs-137															0.0026	0.0015				
29			Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2017/8/29	Sunny	3.5	0.1	>100	-	18.7	<1	<1	K-40	0.070	0.023	0.057	0.026	
Cs-137															0.0022	0.0011				
30	Saitama Prefecture		Arakawa River	Kugebashi Bridge	Kumagaya City	2017/9/7	Cloudy	0.6	0.1	>100	-	20.8	2	<1	K-40	0.071	0.026	0.050	0.027	
Cs-137				0.0021											0.0011					
31			Arakawa River	Akigase Intake Weir	Saitama City/Shiki City	2017/9/8	Sunny	2.8	0.1	>100	-	24.3	3	1	K-40	0.097	0.030	0.064	0.025	
Cs-137				0.0021											0.0011					
32			Edogawa River	Nagareyama Bridge	Nagareyama City (Chiba Prefecture) /Misato City	2017/8/28	Sunny	0.7	0.1	54	-	19.0	28	13	K-40	0.097	0.027	0.074	0.026	
Cs-137															0.0046	0.0015				
33			Tonegawa River	Kakozeki Weir	Tonosho Town	2017/10/3	Cloudy	4.3	0.1	48	-	21.6	9	6	K-40	0.12	0.024	0.11	0.027	
Cs-137															0.0071	0.0012				
34			Ichinomiya River	Nakano Bridge	Ichinomiya Town	2017/9/11	Sunny	2.6	0.1	52	-	2000	6	4	K-40	4.0	0.088	3.9	0.32	
Cs-137															0.0071	0.0012				
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake (Surface layer)	Sakura City	2017/9/15	Sunny	1.4	0.1	23	0.50	27.5	20	11	K-40	0.12	0.017	0.11	0.028	
				Cs-137					0.0033	0.00092										
				Lower area of water purification plant intake (Bottom layer)					0.4	18		28.5	34	19	K-40	0.13	0.019	0.12	0.025	
															Cs-137	0.0036	0.0010			

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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)	
36	Tokyo Metropolis		Edogawa River	Shinkatsushika Bridge	Katsushika City	2017/8/29	Sunny	0.5	0.1	63	-	18.9	8	4	K-40	0.071	0.034	0.038	0.027	
37			Tamagawa River	Hajima raw water supply point	Akishima City	2017/8/23	Sunny	1.2	0.1	>100	-	12.1	2	2	K-40	0.033	0.025			
38			Sumida River	Ryogoku Bridge	Chuo City/Sumida City	2017/8/25	Sunny	2.2	0.1	63	-	545	12	6	K-40	1.0	0.086	0.80	0.16	
39			Arakawa River	Kasai Bridge	Koto City /Edogawa City	2017/9/11	Sunny	2.0	0.1	50	-	745	17	6	K-40	1.3	0.085	1.2	0.10	
40	Kanagawa Prefecture	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2017/9/13	Sunny	4.5	0.1	>100	-	914	2	2	K-40	1.8	0.085	1.4			0.20
41		Sagami River	Banyu Bridge	Hiratsuka City	2017/9/5	Sunny	2.8	0.1	>100	-	2890	4	6	K-40	5.8	0.090		5.2	0.69	
42		Sakawa River	Sakawa Bridge	Odawara City	2017/9/4	Cloudy	0.5	0.1	>100	-	17.3	4	2	K-40	0.070	0.031	0.049	0.025		
43	Niigata Prefecture		Shinano River	Heisei-ohashi Bridge	Niigata City	2017/9/5	Sunny	5.0	0.1	57	-	13.6	12	4	K-40	0.052	0.023	0.053	0.025	
44			Agano River	Oun Bridge	Niigata City	2017/9/5	Sunny	1.9	0.1	>100	-	7.6	4	2	K-40	0.035	0.027	ND	0.026	
45			Jinzu River	Hagiura Bridge	Toyama City	2017/9/15	Sunny	5.3	0.1	>100	-	33.5	3	<1	K-40	0.068	0.024			0.041
46	Ishikawa Prefecture		Saigawa River	Okuwa Bridge	Kanazawa City	2017/9/14	Sunny	1.3	0.1	96	-	7.8	3	3	-	-	-	ND	0.024	
47			Tedori River	Hakusangoguchi Dike	Hakusan City	2017/9/16	Sunny	1.5	0.1	62	-	11.8	12	5	K-40	0.045	0.020	0.055	0.026	
48	Fukui Prefecture		Kuzuryu River	Fuseda Bridge	Fukui City	2017/9/12	Cloudy	1.3	0.1	>100	-	752	8	2	K-40	1.3	0.086	1.3	0.18	
49			Kitagawa River	Takatsuka Bridge	Obama City	2017/9/11	Cloudy	0.7	0.1	>100	-	11.8	1	<1	K-40	0.026	0.023	0.026	0.024	
50	Yamanashi Prefecture		Sagami River	Katsuragawa Bridge	Uenohara City	2017/8/31	Cloudy	2.8	0.1	>100	-	13.8	2	<1	K-40	0.038	0.033	0.037	0.026	
51			Fujikawa River	Nanbu Bridge	Nanbu Town	2017/8/30	Sunny	0.5	0.1	>100	-	20.7	<1	<1	K-40	0.076	0.031	0.059	0.026	
52	Nagano Prefecture		Shinano River	Ozeki Bridge	Iiyama City	2017/9/23	Cloudy	0.4	0.1	88	-	19.1	7	1	K-40	0.065	0.031	0.061	0.026	
53			Saigawa River	Koichi Bridge	Nagano City	2017/9/22	Cloudy	2.6	0.1	92	-	12.7	5	1	K-40	0.049	0.027	0.049	0.026	
54			Tenryu River	Tsutsuji Bridge	Iida City	2017/9/25	Sunny	2.1	0.1	>100	-	16.1	3	2	K-40	0.070	0.027	0.057	0.025	
55	Gifu Prefecture		Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2017/9/15	Sunny	1.4	0.1	>100	-	6.2	4	2	K-40	0.027	0.020	0.032	0.025	
56			Nagara River	Tokai-ohashi Bridge	Kaizu City	2017/9/15	Sunny	7.7	0.1	>100	-	9.3	1	<1	K-40	0.041	0.025	ND	0.027	
57	Shizuoka Prefecture		Kanogawa River	Kurose Bridge	Numazu City	2017/9/26	Sunny	0.7	0.1	>100	-	15.5	3	<1	K-40	0.055	0.040	0.034	0.027	
58			Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town	2017/9/27	Sunny	2.3	0.1	75	-	17.3	2	2	K-40	0.042	0.028	0.051	0.025	
59			Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu City	2017/9/28	Cloudy	2.3	0.1	55	-	10.9	8	3	Be-7	0.013	0.012	0.067	0.025	
60	Shonai River	Mizuwake Bridge	Nagoya City	2017/9/14	Sunny	0.4	0.1	>100	-	32.0	4	1	K-40	0.16	0.026	0.12	0.025			
61	Aichi Prefecture		Yahagi River	Iwazatenjin Bridge	Okazaki City /Toyota City	2017/9/12	Rain	3.0	0.1	65	-	6.4	19	2	Be-7	0.021	0.018	0.062	0.026	
62			Toyogawa River	Eshima Bridge	Toyokawa City	2017/9/11	Sunny	0.5	0.1	>100	-	9.2	<1	<1	K-40	0.027	0.025			0.033

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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)	
63	Mie Prefecture	Rivers	Suzuka River	Ogura Bridge	Yokkaichi City	2017/9/19	Sunny	0.6	0.1	68	-	14.4	13	3	K-40	0.10	0.026	0.077	0.025	
64			Miyakawa River	Watarai Bridge	Ise City	2017/9/26	Sunny	2.4	0.1	>100	-	7.8	<1	<1	-	-	-			0.031
65			Adogawa River	Joan Bridge	Takashima City	2017/8/29	Sunny	0.9	0.1	>100	-	6.5	<1	<1	-	-	-	ND	0.026	
66	Shiga Prefecture	Lake	Lake Biwako	Karasakioki-Chuo (Surface layer)	-	2017/8/30	Cloudy	4.5	0.1	>100	2.9	11.1	<1	<1	K-40	0.045	0.019	0.041	0.024	
				3.5					>100	11.2		2	<1	K-40	0.048	0.020	0.041	0.026		
67	Kyoto Prefecture	Rivers	Yuragawa River	Yuragawa Bridge	Maizuru City	2017/9/1	Sunny	3.2	0.1	>100	-	96.3	4	2	K-40	0.17	0.027	0.14	0.033	
68				Katsura River	Before the confluence of three tributaries of Katsura River	Oyamazaki Town	2017/8/31	Sunny	1.6	0.1	>100	-	30.6	1	<1	K-40	0.25	0.028	0.21	0.025
69	Osaka Prefecture	Rivers	Inagawa River	Gunko Bridge	Itami City (Hyogo Prefecture)	2017/9/8	Sunny	0.8	0.1	>100	-	17.4	4	1	K-40	0.074	0.021	0.059	0.027	
70				Yodogawa River	Sugaharashirokita-ohashi Bridge	Osaka City	2017/9/22	Cloudy	3.0	0.1	65	-	13.2	12	3	K-40	0.071	0.024	ND	0.025
71	Hyogo Prefecture	Rivers	Ishikawa River	Takahashi	Tondabayashi City	2017/9/11	Cloudy	0.1	0.1	>100	-	32.4	1	<1	K-40	0.093	0.024	0.068	0.026	
72				Kakogawa River	Kakogawa Bridge	Kakogawa City	2017/9/5	Cloudy	0.5	0.1	85	-	20.0	5	3	K-40	0.12	0.024	0.083	0.026
73	Hyogo Prefecture	Rivers	Mukogawa River	Hyakkenbi	Takarazuka City	2017/9/8	Sunny	0.3	0.1	>100	-	43.4	4	1	Ac-228	0.012	0.0046	0.24	0.028	
74	Nara Prefecture	Rivers	Maruyama River	Kaminogo Bridge	Toyooka City	2017/9/4	Sunny	0.5	0.1	>100	-	13.2	3	<1	K-40	0.047	0.028	0.037	0.024	
75				Yamato River	Fujii	Oji Town	2017/9/5	Cloudy	0.5	0.1	85	-	29.1	4	2	K-40	0.14	0.026	0.15	0.026
76	Wakayama Prefecture	Rivers	Kinokawa River	Okura Bridge	Gojo City	2017/9/6	Cloudy	2.9	0.1	>100	-	10.7	<1	<1	K-40	0.050	0.023	0.029	0.027	
77				Kinokawa River	Shinrokaizeki Weir	Wakayama City	2017/9/21	Sunny	3.0	0.1	83	-	12.0	2	<1	K-40	0.038	0.024	0.040	0.024
78	Tottori Prefecture	Rivers	Kumano River	Kumano-ohashi Bridge	Shingu City	2017/10/3	Cloudy	4.0	0.1	>100	-	277	<1	<1	K-40	0.48	0.074	0.45	0.048	
79				Sendai River	Gyotoku	Tottori City	2017/8/29	Cloudy	1.9	0.1	>100	-	9.1	3	<1	K-40	0.028	0.025	ND	0.026
80	Shimane Prefecture	Rivers	Hiikawa River	Kandatsu Bridge	Izumo City	2017/8/31	Sunny	0.4	0.1	>100	-	9.8	1	<1	K-40	0.036	0.026	0.033	0.024	
81				Gonokawa River	Sakurae-ohashi Bridge	Gotsu City	2017/9/1	Sunny	3.5	0.1	>100	-	10.0	<1	<1	K-40	0.051	0.021	0.038	0.025
82	Okayama Prefecture	Rivers	Asahi River	Otoite Weir	Okayama City	2017/8/28	Sunny	0.8	0.1	>100	-	9.6	2	1	K-40	0.044	0.024	0.035	0.026	
83				Takahashi River	Kasumi Bridge	Kurashiki City	2017/8/25	Sunny	2.7	0.1	73	-	11.6	4	3	K-40	0.042	0.021	ND	0.024
84	Hiroshima Prefecture	Rivers	Ota River	Water purification plant intake in Hesaka	Hiroshima City	2017/8/22	Sunny	1.5	0.1	>100	-	6.7	1	<1	-	-	-	ND	0.025	
85				Ashida River	Kominomi Bridge	Fukuyama City	2017/8/21	Sunny	1.2	0.1	53	-	14.7	8	5	K-40	0.077	0.022	0.066	0.026

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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)
86	Yamaguchi Prefecture	Rivers	Nishiki River	Water purification plant intake for the city	Iwakuni City	2017/8/24	Sunny	5.5	0.1	>100	-	8.2	<1	<1	K-40	0.027	0.025	0.027	0.024	
87			Kotogawa River	Suenobu Bridge	Ube City	2017/8/23	Sunny	3.4	0.1	88	-	14.1	2	2	K-40	0.059	0.020	ND	0.026	
88	Tokushima Prefecture		Yoshino River	Takase Bridge	Ishii Town	2017/9/13	Sunny	4.9	0.1	>100	-	10.2	<1	1	K-40	0.042	0.023	0.036	0.026	
89			Nakagawa River	Nakagawa Bridge	Anan City	2017/9/15	Cloudy	4.5	0.1	>100	-	10.5	<1	2	K-40	0.019	0.019	ND	0.024	
90	Kagawa Prefecture		Dokigawa River	Manugame Bridge	Marugame City	2017/9/11	Sunny	0.4	0.1	>100	-	18.3	5	2	K-40	0.11	0.021	0.086	0.027	
91	Ehime Prefecture		Shigenobu River	Deai Bridge	Matsuyama City	2017/9/5	Light Rain	0.4	0.1	>100	-	20.2	5	2	K-40	0.099	0.020	0.080	0.027	
92			Hijikawa River	Hijikawa Bridge	Ozu City	2017/9/6	Sunny	0.9	0.1	>100	-	13.2	2	<1	K-40	0.034	0.027	ND	0.024	
93	Kochi Prefecture		Kagami River	Kachuzeki Weir	Kochi City	2017/9/8	Sunny	2.8	0.1	>100	-	10.7	<1	<1	K-40	0.024	0.018	ND	0.025	
94			Niyodo River	Hatazeki Weir (1) Center of flow	Ino Town	2017/9/7	Sunny	0.5	0.1	>100	-	10.2	<1	<1	K-40	0.029	0.023	ND	0.027	
95			Onga River	Hinode Bridge	Nogata City	2017/8/21	Cloudy	1.3	0.1	64	-	28.2	8	6	K-40	0.10	0.026	0.087	0.025	
96	Fukuoka Prefecture	Nakagawa River	Shiobara Bridge	Fukuoka City	2017/8/24	Sunny	1.3	0.1	>100	-	22.2	2	2	K-40	0.072	0.030	0.038	0.026		
97		Chikugo River	Senoshita	Kurume City	2017/8/23	Sunny	5.9	0.1	34	-	16.3	12	8	K-40	0.10	0.035	0.11	0.027		
98	Saga Prefecture	Kasegawa River	Kasebashi Bridge	Saga City	2017/8/28	Sunny	5.0	0.1	66	-	10.8	5	5	K-40	0.067	0.029	0.045	0.024		
99	Nagasaki Prefecture	Honnyogawa River	In front of Tenma Park	Isahaya City	2017/8/29	Sunny	1.2	0.1	>100	-	11.1	<1	<1	K-40	0.085	0.032	0.069	0.026		
100		Urakami River	Ohashizeki Weir	Nagasaki City	2017/8/30	Sunny	1.0	0.1	>100	-	20.8	1	<1	K-40	0.057	0.034	0.055	0.027		
101	Kumamoto Prefecture	Kikuchi River	Shiroishi	Nagomi Town	2017/8/31	Sunny	7.6	0.1	65	-	16.4	4	2	K-40	0.11	0.042	0.088	0.025		
102		Midori River	Uesugizeki Weir	Kumamoto City	2017/9/1	Sunny	1.3	0.1	52	-	13.8	5	5	K-40	0.075	0.037	0.054	0.026		
103	Oita Prefecture	Oita River	Funai-ohashi Bridge	Oita City	2017/9/15	Cloudy	1.8	0.1	75	-	20.6	7	3	K-40	0.11	0.037	0.096	0.027		
104		Ono River	Shirataki Bridge	Oita City	2017/9/12	Cloudy	0.9	0.1	88	-	14.7	7	2	K-40	0.16	0.045	0.087	0.025		
105	Miyazaki Prefecture	Gokase River	Miwa	Nobeoka City	2017/9/13	Cloudy	1.4	0.1	>100	-	10.4	2	<1	K-40	0.070	0.034	0.069	0.026		
106		Oyodo River	Shinaioi Bridge	Miyazaki City	2017/9/8	Sunny	1.5	0.1	60	-	16.8	8	3	K-40	0.15	0.041	0.10	0.027		
107	Kagoshima Prefecture	Kotsuki River	Iwasaki Bridge	Kagoshima City	2017/9/5	Sunny	1.0	0.1	>100	-	15.8	1	<1	K-40	0.16	0.044	0.11	0.025		
108		Kimotsuki River	Matase Bridge	Kanoya City	2017/9/6	Sunny	1.1	0.1	93	-	15.7	5	1	K-40	0.16	0.048	0.14	0.027		
109	Okinawa Prefecture	Genka River	Water intake	Nago City	2017/9/22	Sunny	0.4	0.1	>100	-	20.0	<1	<1	K-40	0.043	0.022	ND	0.027		
110		Miyara River	Omoto water intake	Ishigaki City	2017/9/20	Sunny	1.6	0.1	50	-	18.5	9	3	K-40	0.041	0.030	0.063	0.025		

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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	Rivers	Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2017/8/24	Cloudy	1.1	10	75.9	Sand	Ae-228	13	6.8	620	17	
												Bi-214	15	3.8			
												K-40	480	18			
												Pb-212	21	3.1			
												Pb-214	18	3.5			
TL-208	18	4.9															
2	Hokkaido Prefecture	Rivers	Ishikari River	Intake at the Shirakawa water purification plant in Sapporo City	Sapporo City	2017/9/27	Sunny	2.0	10	81.1	Sand/Gravel	Ae-228	15	6.1	490	15	
												Bi-214	12	3.2			
												K-40	400	14			
												Pb-212	15	2.8			
												Pb-214	15	3.1			
TL-208	15	4.2															
3	Hokkaido Prefecture	Rivers	Teshio River	Nakashibetsu Bridge (Intake at the Higashiyama water purification plant in Shibetsu City)	Shibetsu City	2017/8/23	Cloudy	0.6	10	57.4	Silt/Sand	Ae-228	27	4.8	680	18	
												Bi-212	22	2.2			
												Bi-214	21	3.1			
												K-40	530	19			
												Pb-212	28	2.7			
Pb-214	18	3.4															
TL-208	25	4.1															
4	Hokkaido Prefecture	Rivers	Tokoro River	Tadashi Bridge	Kitami City	2017/8/25	Sunny	0.6	10	71.2	Sand/Gravel	Ae-228	19	6.0	530	17	
												Bi-214	17	3.1			
												K-40	400	17			
												Pb-212	21	2.5			
												Pb-214	14	3.3			
TL-208	22	3.8															
5	Hokkaido Prefecture	Rivers	Kushiro River	Intake at the Aikoku water purification plant in Kushiro City	Kushiro City	2017/8/28	Sunny	1.0	10	63.1	Sand/Gravel	Ae-228	7.7	3.9	250	15	
												Bi-214	4.1	2.8			
												K-40	170	17			
												Pb-212	7.3	1.8			
												Pb-214	6.4	2.2			
TL-208	4.7	3.0															
6	Hokkaido Prefecture	Rivers	Tokachi River	Nantai Bridge	Obihiro City	2017/8/28	Sunny	1.2	10	79.7	Sand/Gravel	Cs-137	3.1	1.3	550	17	
												Ae-228	16	6.4			
												Bi-214	10	3.3			
												K-40	480	17			
												Pb-212	18	2.9			
Pb-214	15	3.5															
TL-208	15	4.6															
7	Hokkaido Prefecture	Rivers	Sarugawa River	Sarugawa Bridge (Tomigawa)	Hidaka Town	2017/10/6	Sunny	1.0	10	83.5	Sand/Gravel	Ae-228	14	6.0	350	17	
												Bi-214	12	2.5			
												K-40	320	14			
												Pb-212	15	2.6			
												Pb-214	9.8	3.0			
TL-208	13	3.8															
8	Hokkaido Prefecture	Rivers	Matsukura River	Mitsumonbashi Bridge (Before the confluence with Torasawa River)	Hakodate City	2017/8/30	Sunny	0.4	10	68.1	Sand/Gravel	Ae-228	18	6.4	380	17	
												Bi-214	10	3.3			
												K-40	310	19			
												Pb-212	15	2.9			
												Pb-214	13	3.5			
TL-208	9.9	5.0															
9	Hokkaido Prefecture	Rivers	Shiribeshi-toshibetsu River	Intake at the Kitahiyama simple water plant in Kitahiyama Town	Setana Town	2017/8/30	Sunny	0.4	10	82.3	Sand/Gravel	Cs-137	3.9	1.6	660	17	
												Ae-228	26	6.4			
												Bi-212	24	2.3			
												Bi-214	14	4.0			
												K-40	460	17			
Pb-212	24	3.2															
Pb-214	19	3.6															
TL-208	21	5.3															
Cs-137	2.0	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)	
10	Aomori Prefecture	Rivers	Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2017/8/31	Sunny	2.9	10	37.0	Silt/Sand	Ac-228	23	7.0	490	19	
												Bi-214	19	3.9			
												K-40	370	27			
												Pb-212	19	2.9			
												Pb-214	16	3.8			
												Ra-226	45	33			
												Tl-208	15	5.5			
Cs-137	5.0	1.7															
11	Aomori Prefecture	Rivers	Mabechi River	Shiriuchi Bridge	Hachinohe City	2017/9/1	Sunny	1.7	10	47.5	Silt	Ac-228	13	6.2	320	17	
												Bi-214	8.9	3.7			
												K-40	260	23			
												Pb-212	13	2.6			
												Pb-214	12	3.2			
												Tl-208	16	4.4			
												Cs-137	3.4	1.6			
12	Iwate Prefecture	Rivers	Mabechi River	Fugane Bridge	Ninohe City	2017/8/30	Sunny	1.8	10	73.0	Silt/Sand	Ac-228	14	4.4	300	16	
												Bi-212	21	17			
												Bi-214	7.2	3.0			
												K-40	260	14			
												Pb-212	15	2.1			
												Pb-214	10	2.5			
												Tl-208	13	2.7			
Cs-137	1.7	1.1															
13	Iwate Prefecture	Rivers	Heigawa River	Miyako Bridge	Miyako City	2017/9/9	Sunny	1.2	10	38.7	Silt	Ac-228	31	9.1	660	18	
												Bi-214	20	6.1			
												K-40	480	26			
												Pb-212	32	4.3			
												Pb-214	23	5.3			
												Tl-208	28	7.1			
												Cs-137	16	2.6			
14	Iwate Prefecture	Rivers	Kitakami River	Chitose Bridge	Ichinoseki City	2017/9/11	Cloudy	2.3	10	73.9	Sand/Gravel	Ac-228	18	4.5	410	16	
												Bi-212	19	16			
												Bi-214	9.6	2.9			
												K-40	340	16			
												Pb-212	13	2.3			
												Pb-214	9.3	2.8			
												Tl-208	9.1	3.9			
Cs-137	11	1.3															
15	Miyagi Prefecture	Rivers	Abukuma River	Iwanuma (Abukuma Bridge)	Iwanuma City	2017/8/24	Rain	1.0	10	76.7	Sand	Ac-228	14	4.1	480	17	
												Bi-214	9.7	3.3			
												K-40	380	15			
												Pb-212	16	2.7			
												Pb-214	12	3.6			
												Tl-208	13	4.2			
												Cs-134	12	1.5			
Cs-137	85	1.7															
16	Miyagi Prefecture	Rivers	Natori River	Yuriage-ohashi Bridge	Natori City	2017/9/8	Sunny	0.7	10	59.1	Sand	Ac-228	9.2	5.3	420	16	
												Bi-214	7.4	3.8			
												K-40	340	20			
												Pb-212	14	2.7			
												Pb-214	12	3.3			
												Tl-208	11	4.9			
												Cs-134	6.6	1.6			
Cs-137	48	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)
17	Akita Prefecture	Rivers	Yoneshiro River	Noshiro Bridge	Noshiro City	2017/9/5	Sunny	2.3	10	83.6	Sand	Ac-228	14	3.5	480	15	
												Bi-212	20	16			
												Bi-214	10	2.6			
												K-40	380	15			
												Pb-212	12	2.1			
												Pb-214	11	2.3			
												Ra-226	24	22			
												Tl-208	8.8	3.0			
18	Akita Prefecture	Rivers	Omono River	Kurose Bridge	Akita City	2017/9/6	Sunny	2.9	10	56.9	Silt/Sand	Ac-228	20	6.3	510	17	
												Bi-212	26	19			
												Bi-214	17	3.6			
												K-40	440	19			
												Pb-212	23	2.7			
												Pb-214	22	3.2			
												Ra-226	37	33			
												Tl-208	17	4.4			
19	Yamagata Prefecture	Rivers	Mogami River	Ryou Bridge	Sakata City	2017/9/7	Cloudy	3.0	10	53.5	Silt/Sand	Cs-137	6.5	1.4	550	18	
												Ac-228	22	5.1			
												Bi-212	25	22			
												Bi-214	19	3.2			
												K-40	350	23			
												Pb-212	22	2.8			
												Pb-214	19	3.5			
												Tl-208	20	4.9			
20	Yamagata Prefecture	Rivers	Akagawa River	Shinkawa Bridge	Sakata City	2017/8/22	Rain	0.5	10	48.7	Silt/Sand	Cs-137	16	1.8	720	20	
												Ac-228	31	7.1			
												Bi-214	20	4.2			
												K-40	480	23			
												Pb-212	38	3.2			
												Pb-214	22	3.9			
												Tl-208	28	5.4			
												Cs-137	6.3	1.8			
21	Yamagata Prefecture	Rivers	Agano River	Shingo Dam	Kitakata City	2017/9/4	Sunny	6.6	10	46.1	Silt	Ac-228	40	9.1	750	19	
												Bi-214	25	6.0			
												K-40	500	28			
												Pb-212	35	4.8			
												Pb-214	32	5.8			
												Ra-226	58	49			
												Tl-208	31	7.8			
												Cs-134	6.6	2.7			
22	Fukushima Prefecture	Rivers	Abukuma River	Taisho Bridge (Fushiguro)	Date City	2017/9/11	Cloudy	1.2	10	59.5	Sand	Ac-228	25	6.1	690	17	
												Bi-212	28	23			
												Bi-214	13	6.4			
												K-40	370	18			
												Pb-212	25	5.4			
												Pb-214	16	7.3			
												Tl-208	21	8.2			
												Cs-134	56	3.2			
23	Fukushima Prefecture	Rivers	Kujigawa River	Takachiha Bridge	Yamatsuri Town	2017/9/5	Sunny	1.4	10	79.5	Sand	Ac-228	18	5.1	760	16	
												Bi-212	22	20			
												Bi-214	16	3.4			
												K-40	660	16			
												Pb-212	20	2.5			
												Pb-214	16	3.0			
												Tl-208	19	3.5			
												Cs-137	8.0	1.3			
24	Ibaraki Prefecture	Lake	Lake Kasumigaaura	Center	Miho Village	2017/9/6	Rain	6.1	10	15.0	Silt	Ac-228	26	5.9	540	20	
												Bi-212	34	19			
												Bi-214	18	4.3			
												K-40	280	22			
												Pb-212	31	3.7			
												Pb-214	18	5.4			
												Tl-208	25	6.3			
												Cs-134	43	2.5			
Cs-137	310	2.4															

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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)	
25	Ibaraki Prefecture	Rivers	Kokai River	Fumimaki Bridge	Toride City	2017/10/2	Cloudy	1.6	10	76.4	Sand	Ac-228	23	5.1	650	16	
												Bi-212	24	21			
												Bi-214	15	3.4			
												K-40	520	17			
												Pb-212	28	2.7			
												Pb-214	18	3.2			
												Tl-208	22	3.9			
												Cs-134	4.1	1.5			
												Cs-137	30	1.7			
												Ac-228	15	3.9			
26	Tochigi Prefecture	Rivers	Nakagawa River	Shinnaka Bridge	Nakagawa Town	2017/9/8	Sunny	0.6	10	73.4	Sand	Bi-212	22	17	440	16	
												Bi-214	8.0	3.1			
												K-40	350	14			
												Pb-212	15	2.4			
												Pb-214	8.0	2.9			
												Tl-208	14	4.0			
												Cs-137	17	1.1			
												Ac-228	29	6.8			
												Bi-212	45	26			
												Bi-214	14	4.1			
27	Tochigi Prefecture	Rivers	Kinugawa River	Kinugawa Bridge (Hoshakuji Temple)	Utsunomiya City	2017/9/29	Sunny	2.5	10	79.3	Sand	K-40	510	16	630	17	
												Pb-212	29	3.4			
												Pb-214	18	3.8			
												Tl-208	25	5.3			
												Cs-137	9.1	2.1			
												Ac-228	19	7.4			
												Be-7	80	71			
												Bi-214	15	5.3			
												K-40	280	25			
												Pb-212	19	3.9			
Pb-214	12	5.4															
28	Gunma Prefecture	Rivers	Tonegawa River	Toneozeki Weir	Chiyoda Town /Gyoda City (Saitama Prefecture)	2017/8/29	Sunny	0.9	10	29.9	Silt	Tl-208	15	6.7	420	17	
												Cs-134	15	2.6			
												Cs-137	130	2.5			
												Ac-228	23	6.5			
												Bi-214	13	4.3			
												K-40	490	21			
												Pb-212	24	3.5			
												Pb-214	17	3.9			
												Tl-208	19	5.7			
												Cs-134	2.9	1.8			
Cs-137	27	2.2															
29	Gunma Prefecture	Rivers	Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2017/8/29	Sunny	3.5	10	68.3	Silt/Sand	Ac-228	22	4.1	670	17	
												Bi-214	13	2.8			
												K-40	350	14			
												Pb-212	19	2.2			
												Pb-214	14	2.7			
												Ra-226	29	26			
												Tl-208	19	3.4			
												Cs-137	3.8	1.3			
												Ac-228	21	7.5			
												Bi-214	14	4.6			
K-40	340	23															
30	Saitama Prefecture	Rivers	Arakawa River	Kugebashi Bridge	Kumagaya City	2017/9/7	Cloudy	0.6	10	82.5	Sand	Pb-212	23	3.5	440	17	
												Pb-214	12	4.1			
												Tl-208	19	5.5			
												Cs-134	2.8	1.9			
												Cs-137	20	2.4			
												Ac-228	18	7.2			
												Bi-214	17	4.1			
												K-40	340	24			
												Pb-212	25	3.6			
												Pb-214	18	4.1			
Tl-208	19	5.6															
31	Saitama Prefecture	Rivers	Arakawa River	Akigase Intake Weir	Saitama City /Shiki City	2017/9/8	Sunny	2.8	10	50.2	Silt/Sand	Cs-134	4.5	2.0	470	16	
												Cs-137	20	2.4			
												Ac-228	18	7.2			
												Bi-214	17	4.1			
												K-40	340	24			
												Pb-212	25	3.6			
												Pb-214	18	4.1			
												Tl-208	19	5.6			
												Cs-134	4.5	2.0			
												Cs-137	34	2.1			
32	Saitama Prefecture	Rivers	Edogawa River	Nagareyama Bridge	Nagareyama City (Chiba Prefecture) /Misato City	2017/8/28	Sunny	0.7	10	59.2	Silt/Sand	Ac-228	18	7.2	450	17	
												Bi-214	17	4.1			
												K-40	340	24			
												Pb-212	25	3.6			
												Pb-214	18	4.1			
												Tl-208	19	5.6			
												Cs-134	4.5	2.0			
												Cs-137	34	2.1			

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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)	
33	Chiba Prefecture	Rivers	Tonegawa River	Kakozeki Weir	Tonosho Town	2017/10/3	Cloudy	4.3	10	69.5	Silt/Sand	Ac-228	16	5.0	530	18	
												Bi-214	11	3.3			
												K-40	410	15			
												Pb-212	19	2.5			
												Pb-214	10	3.3			
												Tl-208	13	4.6			
												Cs-134	4.1	1.5			
Cs-137	31	1.6															
34	Chiba Prefecture	Rivers	Ichinomiya River	Nakano Bridge	Ichinomiya Town	2017/9/11	Sunny	2.6	10	60.4	Silt/Sand	Ac-228	9.9	3.9	420	16	
												Bi-214	7.1	2.8			
												K-40	370	16			
												Pb-212	14	2.4			
												Pb-214	11	2.7			
												Ra-226	27	25			
												Tl-208	9.5	4.0			
Cs-134	3.0	1.2															
Cs-137	19	1.5															
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake	Sakura City	2017/9/15	Sunny	1.4	10	23.0	Silt	Bi-214	13	9.1	460	17	
												K-40	200	28			
												Pb-212	18	6.7			
												Pb-214	17	10			
												Tl-208	11	11			
												Cs-134	49	4.3			
												Cs-137	390	4.3			
36	Tokyo Metropolis	Rivers	Edogawa River	Shinkatsushika Bridge	Katsushika City	2017/8/29	Sunny	0.5	10	44.4	Silt/Sand	Ac-228	30	6.8	550	18	
												Bi-212	30	28			
												Bi-214	17	6.0			
												K-40	320	27			
												Pb-212	22	4.6			
												Pb-214	22	6.2			
												Tl-208	22	7.8			
Cs-134	29	3.0															
Cs-137	220	3.3															
37	Tokyo Metropolis	Rivers	Tamagawa River	Haijima raw water supply point	Akishima City	2017/8/23	Sunny	1.2	10	79.9	Sand/Gravel	Ac-228	26	6.6	660	17	
												Bi-212	30	23			
												Bi-214	17	5.1			
												K-40	580	17			
												Pb-212	28	3.8			
												Pb-214	18	5.0			
												Tl-208	26	5.9			
Cs-134	4.8	2.1															
Cs-137	39	2.1															
38	Tokyo Metropolis	Rivers	Sumida River	Ryogoku Bridge	Chuo City /Sumida City	2017/8/25	Sunny	2.2	10	70.3	Silt/Sand	Ac-228	13	4.1	370	16	
												Bi-212	19	16			
												Bi-214	9.0	2.8			
												K-40	320	15			
												Pb-212	15	2.2			
												Pb-214	9.2	2.9			
												Tl-208	10	3.7			
Cs-134	1.5	1.2															
Cs-137	9.5	1.3															
39	Tokyo Metropolis	Rivers	Arakawa River	Kasai Bridge	Koto City /Edogawa City	2017/9/11	Sunny	2.0	10	40.7	Silt	Ac-228	19	8.9	670	18	
												Bi-214	13	7.3			
												K-40	410	28			
												Pb-212	22	5.5			
												Pb-214	15	7.3			
												Tl-208	20	8.5			
												Cs-134	30	3.1			
Cs-137	200	3.1															

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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)														
40	Kanagawa Prefecture	Rivers	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2017/9/13	Sunny	4.5	10	38.6	Silt	Ac-228	12	5.8	440	18														
												Be-7	72	46																
												Bi-212	26	23																
												Bi-214	15	4.0																
												K-40	360	22																
												Pb-212	20	3.1																
												Pb-214	17	3.9																
												Tl-208	18	4.5																
												Cs-134	4.7	1.8																
												Cs-137	39	1.7																
41	Kanagawa Prefecture	Rivers	Sagami River	Banyu Bridge	Hiratsuka City	2017/9/5	Sunny	2.8	10	71.9	Sand	Ac-228	9.6	4.0	380	17														
												Bi-214	7.6	2.5																
												K-40	270	15																
												Pb-212	12	2.2																
												Pb-214	9.4	2.4																
												Ra-226	24	23																
												Tl-208	11	3.4																
												Cs-137	13	1.2																
												42	Niigata Prefecture	Rivers			Sakawa River	Sakawa Bridge	Odawara City	2017/9/4	Cloudy	0.5	10	78.4	Silt/Sand /Gravel	Ac-228	4.1	3.5	160	15
																										Bi-214	3.5	2.0		
K-40	150	13																												
Pb-212	3.7	1.4																												
Pb-214	4.3	1.7																												
Tl-208	3.1	2.5																												
Cs-137	3.9	0.94																												
43	Niigata Prefecture	Rivers	Shinano River	Heisei-ohashi Bridge	Niigata City	2017/9/5	Sunny	5.0	10	76.4	Sand				Ac-228	39										7.4	770	17		
															Bi-212	37										28				
															Bi-214	21										4.5				
												K-40	610	20																
												Pb-212	46	3.5																
												Pb-214	20	4.4																
												Ra-226	52	36																
												Tl-208	33	5.6																
												44	Ishikawa Prefecture	Rivers	Agano River	Oun Bridge	Niigata City	2017/9/5	Sunny	1.9	10	71.6	Sand	Ac-228	33	6.3			850	18
																								Bi-212	30	23				
Bi-214	20	3.6																												
K-40	640	18																												
Pb-212	33	2.8																												
Pb-214	23	3.0																												
Ra-226	47	29																												
Tl-208	30	4.3																												
45	Toyama Prefecture	Rivers	Jinzu River	Hagiura Bridge	Toyama City	2017/9/15	Sunny	5.3	10	35.7	Silt/Sand													Ac-228	49	8.6	890	20		
																								Bi-212	43	35				
												Bi-214	37	4.6																
												K-40	620	28																
												Pb-212	55	3.7																
												Pb-214	42	4.4																
												Tl-208	47	5.9																
												Cs-137	4.9	2.7																
												46	Ishikawa Prefecture	Rivers	Saigawa River	Okuwa Bridge	Kanazawa City	2017/9/14	Sunny	1.3	10	71.0	Sand	Ac-228	27	4.9			710	17
																								Bi-212	28	19				
Bi-214	17	3.2																												
K-40	540	16																												
Pb-212	29	2.7																												
Pb-214	16	3.3																												
Ra-226	29	28																												
Tl-208	27	4.4																												
47	Ishikawa Prefecture	Rivers	Tedorii River	Hakusangoguchi Dike	Hakusan City	2017/9/16	Sunny	1.5	10	76.2	Sand/Gravel													Ac-228	39	6.1	740	18		
																								Bi-212	38	24				
												Bi-214	22	3.5																
												K-40	620	17																
												Pb-212	40	2.9																
												Pb-214	25	3.5																
												Ra-226	55	35																
												Tl-208	35	4.5																

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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)	
48	Fukui Prefecture	Rivers	Kuzuryu River	Fuseda Bridge	Fukui City	2017/9/12	Cloudy	1.3	10	40.5	Silt/Sand	Ac-228	32	7.0	740	19	
												Bi-212	42	22			
												Bi-214	23	3.9			
												K-40	560	25			
												Pb-212	38	3.1			
												Pb-214	24	4.0			
												Tl-208	32	4.8			
49	Fukui Prefecture	Rivers	Kitagawa River	Takatsuka Bridge	Obama City	2017/9/11	Cloudy	0.7	10	83.9	Sand/Gravel	Cs-137	6.4	2.1	520	17	
												Ac-228	25	4.4			
												Bi-212	26	18			
												Bi-214	17	2.8			
												K-40	450	15			
												Pb-212	27	2.5			
												Pb-214	20	2.9			
50	Yamanashi Prefecture	Rivers	Sagami River	Katsuragawa Bridge	Uenohara City	2017/8/31	Cloudy	2.8	10	82.5	Sand/Gravel	TL-208	21	3.8	450	17	
												Ac-228	15	4.6			
												Bi-214	9.1	2.5			
												K-40	370	15			
												Pb-212	16	2.1			
												Pb-214	10	2.3			
												Ra-226	32	22			
51	Yamanashi Prefecture	Rivers	Fujikawa River	Nanbu Bridge	Nanbu Town	2017/8/30	Sunny	0.5	10	78.7	Sand/Gravel	TL-208	12	3.1	650	15	
												Cs-137	2.0	1.2			
												Ac-228	29	5.0			
												Bi-212	21	16			
												Bi-214	19	2.6			
												K-40	530	16			
												Pb-212	27	2.4			
52	Nagano Prefecture	Rivers	Shinano River	Ozeki Bridge	Iiyama City	2017/9/23	Cloudy	0.4	10	54.0	Silt/Sand	Pb-214	19	3.0	740	18	
												TL-208	24	3.5			
												Ac-228	49	6.4			
												Bi-212	56	27			
												Bi-214	34	3.8			
												K-40	580	24			
												Pb-212	50	3.4			
53	Nagano Prefecture	Rivers	Saigawa River	Koichi Bridge	Nagano City	2017/9/22	Cloudy	2.6	10	72.7	Sand	Pb-214	31	4.2	890	18	
												TL-208	38	5.7			
												Cs-137	4.6	2.1			
												Ac-228	33	8.7			
												Bi-212	46	30			
												Bi-214	23	4.2			
												K-40	700	22			
54	Nagano Prefecture	Rivers	Tenryu River	Tsutsuji Bridge	Iida City	2017/9/25	Sunny	2.1	10	72.0	Sand	Pb-212	38	3.9	740	15	
												Pb-214	25	4.4			
												Ra-226	60	38			
												TL-208	32	6.2			
												Ac-228	28	7.5			
												Bi-214	17	4.3			
												K-40	590	19			
55	Gifu Prefecture	Rivers	Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2017/9/15	Sunny	1.4	10	74.6	Sand	Pb-214	19	3.6	1,000	18	
												TL-208	35	5.5			
												Ac-228	30	5.9			
												Bi-212	32	20			
												Bi-214	19	3.1			
												K-40	930	18			
												Pb-212	33	2.7			
56	Gifu Prefecture	Rivers	Nagara River	Tokai-ohashi Bridge	Kaizu City	2017/9/15	Sunny	7.7	10	62.6	Silt	Pb-214	17	3.1	830	18	
												TL-208	29	4.2			
												Ac-228	40	6.1			
												Bi-212	44	23			
												Bi-214	24	3.5			
												K-40	700	20			
												Pb-212	41	3.2			

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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)	
57			Karino River	Kurose Bridge	Numazu City	2017/9/26	Sunny	0.7	10	76.6	Sand/Gravel	Ae-228	5.8	3.6	210	15	
												Bi-214	4.7	2.0			
												K-40	190	14			
												Pb-212	6.0	1.6			
												Pb-214	5.8	2.0			
												Tl-208	6.0	2.3			
												Cs-137	3.7	0.95			
58	Shizuoka Prefecture		Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town	2017/9/27	Sunny	2.3	10	86.4	Sand/Gravel	Ae-228	23	4.6	500	17	
												Bi-212	31	17			
												Bi-214	20	2.8			
												K-40	460	14			
												Pb-212	27	2.6			
												Pb-214	22	2.8			
												Tl-208	25	3.5			
59			Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu Cit	2017/9/28	Cloudy	2.3	10	87.9	Sand/Gravel	Ae-228	19	4.7	600	17	
												Bi-212	20	18			
												Bi-214	14	2.7			
												K-40	500	13			
												Pb-212	28	2.3			
												Pb-214	16	2.8			
												Tl-208	23	3.8			
60			Shonai River	Mizuwake Bridge	Nagoya City	2017/9/14	Sunny	0.4	10	85.7	Sand	Ae-228	10	4.6	680	16	
												Bi-212	16	15			
												Bi-214	9.6	2.5			
												K-40	690	14			
												Pb-212	9.5	2.2			
												Pb-214	10	2.6			
												Tl-208	7.1	3.0			
61	Aichi Prefecture	Rivers	Yahagi River	Iwazutenjin Bridge	Okazaki City /Toyota City	2017/9/12	Rain	3.0	10	73.0	Sand	Ae-228	40	5.7	850	19	
												Bi-212	49	23			
												Bi-214	15	3.7			
												K-40	720	19			
												Pb-212	41	3.0			
												Pb-214	17	3.5			
												Tl-208	35	4.6			
62			Toyogawa River	Eshima Bridge	Toyokawa City	2017/9/11	Sunny	0.5	10	85.3	Sand/Gravel	Ae-228	17	4.9	450	15	
												Bi-214	7.7	2.7			
												K-40	400	14			
												Pb-212	18	2.0			
												Pb-214	11	2.6			
												Tl-208	14	3.3			
												63					Suzuka River
Bi-214	5.8	2.7															
K-40	790	16															
Pb-212	14	2.2															
Pb-214	7.5	2.6															
Tl-208	12	3.5															
64	Mie Prefecture		Miyakawa River	Watarai Bridge	Ise City	2017/9/26	Sunny	2.4	10	65.8	Silt				Ae-228	29	
												Bi-212	29	19			
												Bi-214	25	3.7			
												K-40	590	18			
												Pb-212	33	2.9			
												Pb-214	23	3.3			
												Tl-208	25	5.0			
65	Shiga Prefecture		Adogawa River	Joan Bridge	Takashima City	2017/8/29	Sunny	0.9	10	85.8	Sand/Gravel	Ae-228	25	4.8	590	17	
												Bi-212	22	20			
												Bi-214	15	2.9			
												K-40	470	15			
												Pb-212	28	2.5			
												Pb-214	16	2.8			
												Ra-226	32	24			
Tl-208	26	3.7															

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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)														
66	Shiga Prefecture	Lake	Lake Biwako	Karasaki-Chuo	-	2017/8/30	Cloudy	4.5	10	29.5	Silt	Ac-228	89	7.4	1,000	21														
												Bi-212	91	35																
												Bi-214	38	5.5																
												K-40	620	26																
												Pb-212	97	4.5																
												Pb-214	44	5.3																
												Tl-208	92	6.6																
												Cs-137	5.7	2.7																
												Ac-228	18	4.9																
												Bi-214	14	2.6																
67	Kyoto Prefecture	Rivers	Yuragawa River	Yuragawa Bridge	Maizuru City	2017/9/1	Sunny	3.2	10	74.1	Silt/Sand/Gravel	K-40	390	16	480	18														
												Pb-212	20	2.3																
												Pb-214	16	2.6																
												Ra-226	30	2.3																
												Tl-208	16	3.6																
												Ac-228	17	3.8																
												Bi-214	9.4	1.9																
												K-40	680	12																
												Pb-212	16	1.5																
												Pb-214	9.8	1.9																
68	Kyoto Prefecture	Rivers	Katsura River	Before the confluence of three tributaries of Katsura River	Oyamazaki Town	2017/8/31	Sunny	1.6	10	88.1	Sand/Gravel	Tl-208	11	2.7	570	16														
												Ac-228	19	3.9																
												Bi-214	13	2.3																
												K-40	690	12																
												Pb-212	22	1.7																
												Pb-214	13	2.1																
												Tl-208	17	3.3																
												Ac-228	56	7.5																
												Bi-212	65	28																
												Bi-214	35	4.8																
69	Osaka Prefecture	Rivers	Inagawa River	Gunko Bridge	Itami City (Hyogo Prefecture)	2017/9/8	Sunny	0.8	10	84.4	Sand/Gravel	Ac-228	20	4.6	760	17														
												Bi-214	11	2.8																
												K-40	490	15																
												Pb-212	20	2.2																
												Pb-214	12	2.6																
												Ra-226	29	2.2																
												Tl-208	18	3.3																
												Ac-228	37	5.6																
												Bi-212	33	19																
												70	Osaka Prefecture	Rivers			Yodogawa River	Sugaharashirokita-ohashi Bridge	Osaka City	2017/9/22	Cloudy	3.0	10	48.9	Silt	Bi-214	25	3.7	850	20
K-40	940	17																												
Pb-212	38	2.8																												
Pb-214	29	3.4																												
Ra-226	49	3.4																												
Tl-208	33	4.7																												
Ac-228	21	5.0																												
Bi-212	24	18																												
Bi-214	15	2.8																												
71	Hyogo Prefecture	Rivers	Ishikawa River	Takahashi	Tondabayashi City	2017/9/11	Cloudy	0.1	10	81.9	Sand/Gravel				K-40	710										14	770	15		
												Pb-212	21	2.5																
												Pb-214	11	2.7																
												Tl-208	21	3.5																
												Ac-228	20	4.6																
												Bi-214	11	2.8																
												K-40	490	15																
												Pb-212	20	2.2																
												72	Hyogo Prefecture	Rivers	Kakogawa River	Kakogawa Bridge	Kakogawa City	2017/9/5	Cloudy	0.5	10	88.0	Sand/Gravel	Pb-214	12	2.6			560	17
																								Ra-226	29	2.2				
Tl-208	18	3.3																												
Ac-228	37	5.6																												
Bi-212	33	19																												
Bi-214	25	3.7																												
K-40	940	17																												
Pb-212	38	2.8																												
73	Hyogo Prefecture	Rivers	Mukogawa River	Hyakkenbi	Takarazuka City	2017/9/8	Sunny	0.3	10	80.1	Sand/Gravel													Pb-214	29	3.4	1,100	19		
																								Ra-226	49	3.4				
												Tl-208	33	4.7																
												Ac-228	21	5.0																
												Bi-212	24	18																
												Bi-214	15	2.8																
												K-40	520	16																
												Pb-212	25	2.3																
												74	Hyogo Prefecture	Rivers	Maruyama River	kaminogo Bridge	Toyooka City	2017/9/4	Sunny	0.5	10	86.6	Sand/Gravel	Pb-214	15	2.5			590	17
																								Pb-212	25	2.3				
Pb-214	15	2.5																												
Tl-208	22	3.6																												

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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)		
75	Nara Prefecture	Rivers	Yamato River	Fuji	Oji Town	2017/9/5	Cloudy	0.5	10	79.5	Sand	Ac-228	13	4.1	570	16		
												Bi-214	8.0	2.7				
											K-40	540	15					
											Pb-212	13	2.2					
											Pb-214	7.2	2.4					
											Tl-208	12	3.1					
76			Kinokawa River	Okura Bridge	Gojo City	2017/9/6	Cloudy	2.9	10	74.4	Sand	Ac-228	23	5.0	540	17		
											Bi-212	20	2.0					
											Bi-214	10	3.0					
											K-40	480	15					
										Pb-212	21	2.4						
										Pb-214	15	2.8						
										Tl-208	18	4.0						
77	Wakayama Prefecture	Kinokawa River	Shinrokkaizeki Weir	Wakayama City	2017/9/21	Sunny	3.0	10	43.3	Silt	Ac-228	53	7.3	850	19			
											Bi-212	40	2.9					
										Bi-214	23	5.0						
										K-40	590	23						
										Pb-212	45	3.6						
										Pb-214	28	4.1						
										Tl-208	41	5.5						
78	Tottori Prefecture	Kumano River	Kumano-ohashi Bridge	Shingu City	2017/10/3	Cloudy	4.0	10	85.2	Gravel	Ac-228	36	5.0	740	17			
											Bi-212	48	1.6					
										Bi-214	19	3.2						
										K-40	610	15						
										Pb-212	41	2.7						
										Pb-214	21	3.1						
										Ra-226	37	2.8						
										Tl-208	33	3.9						
79	Shimane Prefecture	Sendai River	Gyotoku	Tottori City	2017/8/29	Cloudy	1.9	10	84.7	Sand	Ac-228	18	5.8	710	18			
											Bi-214	17	2.9					
										K-40	610	18						
										Pb-212	26	2.4						
										Pb-214	18	2.8						
										Ra-226	33	2.7						
										Tl-208	21	4.0						
80	Okayama Prefecture	Hikawa River	Kandatsu Bridge	Izumo City	2017/8/31	Sunny	0.4	10	82.6	Sand	Ac-228	44	6.6	990	17			
											Bi-212	54	2.1					
										Bi-214	22	3.5						
										K-40	840	15						
										Pb-212	53	3.1						
										Pb-214	25	3.4						
										Tl-208	43	5.1						
81	Okayama Prefecture	Gonokawa River	Sakurae-ohashi Bridge	Gotsu City	2017/9/1	Sunny	3.5	10	79.0	Sand	Ac-228	28	5.2	900	18			
											Bi-212	27	2.3					
										Bi-214	17	3.5						
										K-40	740	19						
										Pb-212	28	2.6						
										Pb-214	23	3.2						
										Tl-208	22	4.6						
82	Okayama Prefecture	Asahi River	Otoite Weir	Okayama City	2017/8/28	Sunny	0.8	10	83.8	Sand	Ac-228	19	5.3	650	17			
											Bi-214	12	2.8					
										K-40	570	16						
										Pb-212	16	2.4						
										Pb-214	14	2.8						
										Tl-208	12	3.6						
83	Okayama Prefecture	Takahashi River	Kasumi Bridge	Kurashiki City	2017/8/25	Sunny	2.7	10	78.6	Sand	Ac-228	19	6.0	960	17			
											Bi-212	28	2.0					
										Bi-214	15	3.3						
										K-40	850	16						
										Pb-212	23	2.7						
										Pb-214	19	3.0						
										Tl-208	18	4.5						

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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)	
84	Hiroshima Prefecture		Ota River	Water purification plant intake in Hesaka	Hiroshima City	2017/8/22	Sunny	1.5	10	58.2	Silt	Ac-228	55	7.0	1,200	18	
												Bi-212	56	3.0			
												Bi-214	35	4.2			
												K-40	870	23			
												Pb-212	54	3.7			
												Pb-214	37	4.3			
TL-208	52	5.7															
85			Ashida River	Kominomi Bridge	Fukuyama City	2017/8/21	Sunny	1.2	10	81.1	Sand	Ac-228	15	6.2	1,000	17	
												Bi-214	11	2.9			
												K-40	1000	16			
												Pb-212	15	2.5			
												Pb-214	13	2.9			
												TL-208	15	3.7			
86	Yamaguchi Prefecture		Nishiki River	Water purification plant intake for the city	Iwakuni City	2017/8/24	Sunny	5.5	10	78.3	Sand	Ac-228	22	4.9	770	17	
												Bi-212	29	16			
												Bi-214	20	2.8			
												K-40	670	15			
												Pb-212	29	2.6			
												Pb-214	22	3.1			
TL-208	27	4.4															
87			Kotogawa River	Suenobu Bridge	Ube City	2017/8/23	Sunny	3.4	10	73.2	Sand	Ac-228	32	7.3	1,200	19	
												Bi-212	45	21			
												Bi-214	25	4.1			
												K-40	1100	18			
												Pb-212	37	3.3			
												Pb-214	26	3.9			
TL-208	35	4.9															
88	Tokushima Prefecture	Rivers	Yoshino River	Takase Bridge	Ishii Town	2017/9/13	Sunny	4.9	10	75.7	Sand	Ac-228	19	4.9	430	18	
												Bi-212	21	16			
												Bi-214	12	2.9			
												K-40	350	15			
												Pb-212	20	2.2			
												Pb-214	13	2.7			
TL-208	16	3.8															
89			Nakagawa River	Nakagawa Bridge	Anan City	2017/9/15	Cloudy	4.5	10	81.5	Sand	Ac-228	21	4.2	470	17	
												Bi-212	22	18			
												Bi-214	16	2.9			
												K-40	450	15			
												Pb-212	24	2.4			
												Pb-214	18	2.6			
TL-208	19	3.6															
90	Kagawa Prefecture		Dokigawa River	Marugame Bridge	Marugame City	2017/9/11	Sunny	0.4	10	75.9	Sand	Ac-228	25	7.9	950	18	
												Bi-214	14	4.4			
												K-40	790	16			
												Pb-212	29	3.4			
												Pb-214	19	3.9			
												Ra-226	46	3.9			
TL-208	28	4.9															
91	Ehime Prefecture		Shigenobu River	Deai Bridge	Matsuyama City	2017/9/5	Light rain	0.4	10	89.2	Gravel	Ac-228	29	4.2	890	19	
												Bi-212	39	15			
												Bi-214	18	2.3			
												K-40	690	13			
												Pb-212	31	1.9			
												Pb-214	19	2.2			
TL-208	28	3.4															
92			Hijikawa River	Hijikawa Bridge	Ozu City	2017/9/6	Sunny	0.9	10	86.2	Gravel	Ac-228	9.3	5.3	220	16	
												Bi-214	7.6	3.1			
												K-40	170	16			
												Pb-212	11	2.0			
												Pb-214	7.2	2.6			
												TL-208	9.9	3.5			

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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)	
93	Kochi Prefecture	Rivers	Kagami River	Kachuzeki Weir	Kochi City	2017/9/8	Sunny	2.8	10	86.4	Gravel	Ac-228	15	3.5	390	16	
												Bi-212	17	14			
												Bi-214	13	2.1			
												K-40	340	12			
												Pb-212	17	1.5			
												Pb-214	13	1.8			
TL-208	16	2.4															
94	Kochi Prefecture	Rivers	Niyodo River	Hatazeki Weir (1) Center of flow	Ino Town	2017/9/7	Sunny	0.5	10	85.7	Sand	Ac-228	10	2.6	200	17	
												Bi-214	8.5	1.8			
												K-40	220	11			
												Pb-212	13	1.3			
												Pb-214	12	1.6			
												TL-208	10	2.2			
95	Kochi Prefecture	Rivers	Onga River	Hinode Bridge	Nogata City	2017/8/21	Cloudy	1.3	10	79.3	Sand	Ac-228	21	5.2	700	16	
												Bi-214	8.1	3.2			
												K-40	730	17			
												Pb-212	19	2.4			
												Pb-214	10	2.8			
												TL-208	13	4.1			
96	Fukuoka Prefecture	Rivers	Nakagawa River	Shiobara Bridge	Fukuoka City	2017/8/24	Sunny	1.3	10	63.2	Sand	Ac-228	100	7.1	1,000	18	
												Bi-212	110	32			
												Bi-214	24	4.3			
												K-40	750	21			
												Pb-212	110	3.9			
												Pb-214	24	4.4			
TL-208	100	5.7															
97	Kochi Prefecture	Rivers	Chikugo River	Senoshita	Kurume City	2017/8/23	Sunny	5.9	10	65.6	Sand	Ac-228	23	6.1	590	19	
												Bi-212	24	20			
												Bi-214	20	3.5			
												K-40	490	17			
												Pb-212	26	2.8			
												Pb-214	20	3.4			
TL-208	26	4.4															
98	Saga Prefecture	Rivers	Kasegawa River	Kasebashi Bridge	Saga City	2017/8/28	Sunny	5.0	10	75.8	Sand	Ac-228	18	5.1	580	15	
												Bi-214	11	2.9			
												K-40	570	16			
												Pb-212	19	2.3			
												Pb-214	9.3	2.5			
												TL-208	18	3.5			
99	Nagasaki Prefecture	Rivers	Honmyogawa River	In front of Tenma Park	Isahaya City	2017/8/29	Sunny	1.2	10	70.2	Sand	Ac-228	24	7.0	560	18	
												Bi-212	36	27			
												Bi-214	18	4.2			
												K-40	480	20			
												Pb-212	35	3.3			
												Pb-214	19	3.9			
TL-208	31	5.3															
100	Nagasaki Prefecture	Rivers	Urakami River	Ohashizeki Weir	Nagasaki City	2017/8/30	Sunny	1.0	10	80.0	Sand	Ac-228	16	5.8	520	18	
												Bi-214	12	3.2			
												K-40	480	16			
												Pb-212	14	2.8			
												Pb-214	9.2	3.4			
												TL-208	14	4.0			
101	Kumamoto Prefecture	Rivers	Kikuchi River	Shiroishi	Nagomi Town	2017/8/31	Sunny	7.6	10	56.8	Silt	Ac-228	35	8.2	810	18	
												Bi-214	21	5.0			
												K-40	650	24			
												Pb-212	32	3.8			
												Pb-214	22	4.2			
												Ra-226	54	43			
TL-208	29	6.2															
102	Kumamoto Prefecture	Rivers	Midori River	Uesugizeki Weir	Kumamoto City	2017/9/1	Sunny	1.3	10	84.3	Sand	Ac-228	20	6.0	540	16	
												Bi-212	23	21			
												Bi-214	16	3.2			
												K-40	430	19			
												Pb-212	20	2.7			
												Pb-214	15	3.2			
TL-208	14	4.6															

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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)	
103	Oita Prefecture	Rivers	Oita River	Funai-ohashi Bridge	Oita City	2017/9/15	Cloudy	1.8	10	81.7	Sand	Ac-228	16	6.4	500	17	
												Bi-214	11	3.4			
												K-40	400	18			
												Pb-212	21	2.8			
												Pb-214	15	3.3			
												Tl-208	16	4.8			
104			Ono River	Shirataki Bridge	Oita City	2017/9/12	Cloudy	0.9	10	73.0	Sand	Ac-228	24	7.0	620	16	
												Bi-214	16	4.4			
												K-40	550	18			
												Pb-212	27	3.2			
											Pb-214	20	4.0				
											Tl-208	22	5.0				
105	Miyazaki Prefecture	Gokase River	Miwa	Nobeoka City	2017/9/13	Cloudy	1.4	10	84.8	Sand	Ac-228	26	7.6	670	18		
												Bi-212	29			25	
											Bi-214	18	3.8				
											K-40	560	20				
											Pb-212	35	3.2				
											Pb-214	24	4.1				
											Ra-226	51	33				
											Tl-208	24	5.1				
106		Oyodo River	Shinaoi Bridge	Miyazaki City	2017/9/8	Sunny	1.5	10	63.2	Sand	Ac-228	29	7.4	630	19		
											Bi-214	19	4.5				
											K-40	540	22				
											Pb-212	36	3.7				
											Pb-214	21	4.0				
											Tl-208	27	5.3				
107	Kagoshima Prefecture	Kotsuki River	Iwasaki Bridge	Kagoshima City	2017/9/5	Sunny	1.0	10	82.2	Sand	Ac-228	11	5.2	320	16		
												Bi-214	10			3.0	
											K-40	230	15				
											Pb-212	12	2.3				
											Pb-214	9.2	2.8				
											Tl-208	13	3.8				
108		Kimotsuki River	Matase Bridge	Kanoya City	2017/9/6	Sunny	1.1	10	69.3	Sand	Ac-228	20	6.4	450	17		
											Bi-214	10	3.1				
											K-40	340	17				
											Pb-212	19	3.0				
											Pb-214	14	3.3				
											Tl-208	16	4.1				
109	Okinawa Prefecture	Genka River	Water intake	Nago City	2017/9/22	Sunny	0.4	10	78.7	Sand	Ac-228	38	5.1	640	18		
												Bi-212	38			18	
											Bi-214	17	3.2				
											K-40	520	15				
											Pb-212	33	2.4				
											Pb-214	19	3.0				
											Tl-208	25	4.0				
110		Miyara River	Omoto water intake	Ishigaki City	2017/9/20	Sunny	1.6	10	74.6	Sand	Ac-228	17	5.5	300	18		
											Bi-214	13	3.4				
											K-40	230	17				
											Pb-212	20	2.8				
											Pb-214	17	3.4				
											Tl-208	17	4.8				

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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			Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2017/8/24	Cloudy	Loamy	Ac-228	18	18	0.05	Sandy	Ac-228	23	13	0.05			
									Bi-214	14	9.4			Bi-214	14	7.8				
									K-40	480	89			K-40	510	61				
									Pb-212	20	6.6			Pb-212	27	4.7				
									Pb-214	18	8.6			Pb-214	20	6.5				
2				Intake at the Shirakawa water purification plant in Sapporo City	Sapporo City	2017/9/27	Sunny	(No sampling conducted)	-	-	-	0.04	Loamy	Bi-214	11	8.7	0.04	The left riverbank of the sampling location was a cliff and sampling could not be conducted.		
3			Teshio River	Nakashibetsu Bridge (Intake at the Higashiyama water purification plant in Shibetsu City)	Shibetsu City	2017/8/23	Cloudy	Loamy	Ac-228	25	22	0.05	Loamy	Ac-228	28	18	0.05			
									Bi-214	20	12			Bi-214	15	9.3				
									K-40	340	90			K-40	520	72				
									Pb-212	43	7.3			Pb-212	25	5.9				
									Pb-214	25	10			Pb-214	18	8.3				
4			Tokoro River	Tadashi Bridge	Kitami City	2017/8/25	Sunny	Sandy	Ac-228	32	15	0.06	Sandy	Ac-228	24	16	0.05			
									Bi-214	20	8.5			Bi-214	22	9.1				
									K-40	460	79			K-40	510	88				
									Pb-212	26	6.0			Pb-212	28	6.3				
									Pb-214	22	8.0			Pb-214	25	8.4				
5	Hokkaido Prefecture	Rivers	Kushiro River	Intake at the Aikoku water purification plant in Kushiro City	Kushiro City	2017/8/28	Sunny	Loamy	Ac-228	14	13	0.04	Loamy	K-40	240	110	0.03			
									Bi-214	14	7.0			-	-	-				
									K-40	390	62			-	-	-				
									Pb-212	18	4.3			-	-	-				
									Pb-214	14	7.1			-	-	-				
6			Tokachi River	Nantai Bridge	Obihiro City	2017/8/28	Sunny	Sandy	Ac-228	17	16	0.06	Sandy	Ac-228	16	13	0.05			
									Bi-214	10	8.8			Bi-214	12	8.5				
									K-40	440	76			K-40	410	67				
									Pb-212	24	5.5			Pb-212	20	4.9				
									Pb-214	15	7.2			Pb-214	13	6.9				
7			Sarugawa River	Sarugawa Bridge (Tomigawa)	Hidaka Town	2017/10/6	Sunny	Loamy	Ac-228	30	15	0.05	Loamy	Ac-228	28	15	0.03			
									Bi-214	16	7.9			Bi-214	18	8.5				
									K-40	440	65			K-40	420	72				
									Pb-212	25	5.0			Pb-212	26	5.4				
									Pb-214	19	7.3			Pb-214	19	7.4				
8			Matsukura River	Mitsumori-bashi Bridge (Before the confluence with Torasawa River)	Hakodate City	2017/8/30	Sunny	Sandy	Ac-228	17	13	0.03	Sandy	Bi-214	9.5	8.4	0.03			
									Bi-214	11	7.3			K-40	260	71				
									K-40	240	69			Pb-212	15	5.5				
									Pb-212	12	5.2			Pb-214	9.4	7.4				
									Pb-214	12	6.9			Pb-214	14	10				
9			Shiribeshi-toshibetsu River	Intake at the Kitahiyama simple water plant in Kitahiyama Town	Setana Town	2017/8/30	Sunny	Loamy	Ac-228	33	20	0.06	Loamy	Ac-228	25	16	0.07			
									K-40	510	88			Bi-214	17	9.7				
									Pb-212	28	6.4			K-40	500	78				
									Pb-214	27	8.2			Pb-212	32	5.7				
									Pb-214	20	15			Pb-214	17	8.1				

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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)
10	Aomori Prefecture	Rivers	Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2017/8/31	Sunny	Loamy	Ac-228	23	18	0.03	Loamy	Ac-228	35	19	0.04	
									Bi-214	19	10			Bi-214	21	11		
11	Aomori Prefecture	Rivers	Mabechi River	Shiriuchi Bridge	Hachinohe City	2017/9/1	Sunny	Sandy	K-40	150	91	0.03	Sandy	Ac-228	26	19	0.03	
									Pb-212	21	6.0			K-40	240	110		
12	Iwate Prefecture	Rivers	Mabechi River	Fugane Bridge	Ninohe City	2017/8/30	Sunny	Sandy	Pb-214	11	7.9	0.04	Loamy	Pb-212	20	6.5	0.05	
									Tl-208	14	12			Pb-214	13	9.8		
13	Iwate Prefecture	Rivers	Heigawa River	Miyako Bridge	Miyako City	2017/9/9	Sunny	(No sampling conducted)	-	-	-	0.05	(No sampling conducted)	-	-	-	0.06	Unable to collect samples on both riverbanks due to being concrete-covered.
									-	-	-			-	-	-		
14	Iwate Prefecture	Rivers	Kitakami River	Chitose Bridge	Ichinoseki City	2017/9/11	Cloudy	Loamy	K-40	320	72	0.05	Loamy	K-40	320	77	0.05	
									Pb-212	16	5.3			Pb-212	19	6.0		
15	Miyagi Prefecture	Rivers	Abukuma River	Iwanuma (Abukuma Bridge)	Iwanuma City	2017/8/24	Rain	Sandy	Pb-214	10	9.8	0.06	Loamy	Pb-214	21	8.3	0.09	
									Tl-208	15	13			Tl-208	28	12		
16	Miyagi Prefecture	Rivers	Natori River	Yuriage-ohashi Bridge	Natori City	2017/9/8	Sunny	Loamy	Cs-134	22	4.8	0.03	Sandy	Cs-134	17	4.0	0.05	
									Cs-137	180	4.6			Cs-137	130	4.4		
17	Akita Prefecture	Rivers	Yoneshiro River	Noshiro Bridge	Noshiro City	2017/9/5	Sunny	Loamy	K-40	370	89	0.05	(No sampling conducted)	-	-	-	0.03	Unable to collect samples on the right riverbank due to being a cliff.
									Pb-212	17	6.5			-	-	-		
18	Akita Prefecture	Rivers	Omono River	Kurose Bridge	Akita City	2017/9/6	Sunny	Loamy	Pb-214	9.8	9.2	0.04	Loamy	Ac-228	28	17	0.05	
									Tl-208	19	12			K-40	440	71		

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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)											
19	Yamagata Prefecture		Mogami River	Ryou Bridge	Sakata City	2017/9/7	Cloudy	Loamy	Ac-228	22	15	0.05	Loamy	Bi-214	19	10	0.05												
									Bi-214	21	9.3			K-40	510	89		Pb-212	25	5.8	Pb-214	17	8.5	Tl-208	22	13			
20			Akagawa River	Shinkawa Bridge	Sakata City	2017/8/22	Rain	Loamy	Ac-228	24	19	0.06	Loamy	Ac-228	20	18	0.05												
									Bi-214	18	12			Bi-214	17	8.4		K-40	510	77	Pb-212	24	5.9	Pb-214	20	8.1	Tl-208	24	13
21		Rivers	Agano River	Shingo Dam	Kitakata City	2017/9/4	Sunny	(No sampling conducted)	-	-	-	0.06	Loamy	Ac-228	27	19	0.07	Unable to collect samples on the left riverbank due to being concrete-covered.											
													Bi-214	21	12														
													K-40	460	96														
													Pb-212	29	8.3														
													Pb-214	23	13														
													Tl-208	22	16														
22	Fukushima Prefecture		Abukuma River	Taisho Bridge (Fushiguro)	Date City	2017/9/11	Cloudy	Loamy	Ac-228	23	17	0.20	Loamy	Ac-228	25	20	0.22												
									K-40	490	66			K-40	440	81		Pb-212	22	12	Pb-212	45	12	Pb-214	22	22	Tl-208	30	25
23			Kujigawa River	Takachihara Bridge	Yamatsuri Town	2017/9/5	Sunny	Loamy	Ac-228	45	21	0.10	Loamy	Ac-228	42	19	0.09												
									Bi-214	23	14			Bi-214	14	13		K-40	590	100	K-40	530	88	Pb-212	49	8.8	Pb-212	48	8.0
24	Ibaraki Prefecture	Lake	Lake Kasumigaura	Center	Miho Village	2017/9/6	Rain	Sandy	Ac-228	16	11	0.08	-	-	-	-	-	-											
									Bi-214	8.2	7.6								K-40	330	56	Pb-212	24	4.9	Tl-208	16	9.5	Cs-134	15
25		River	Kokai River	Fuminaki Bridge	Toride City	2017/10/2	Cloudy	Loamy	Ac-228	29	18	0.06	Loamy	Ac-228	24	20	0.07												
									K-40	460	77			Bi-214	23	10		K-40	500	88	Pb-212	33	6.3	Pb-214	15	9.3	Tl-208	25	15

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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)
26	Tochigi Prefecture	Rivers	Nakagawa River	Shinnaka Bridge	Nakagawa Town	2017/9/8	Sunny	Sandy	Ac-228	25	17	0.07	Sandy	Ac-228	27	14	0.05	
									Bi-214	14	11			Bi-214	18	8.2		
									K-40	440	74			K-40	430	65		
									Pb-212	26	6.9			Pb-212	31	5.2		
									Pb-214	16	11			Pb-214	11	7.9		
									Tl-208	15	13			Tl-208	28	10		
									Cs-134	38	5.0			Cs-134	5.9	3.5		
Cs-137	290	5.1	Cs-137	34	3.7													
27	Tochigi Prefecture	Rivers	Kinugawa River	Kinugawa Bridge (Hoshakuji Temple)	Utsunomiya City	2017/9/29	Sunny	Sandy	Ac-228	34	13	0.07	Loamy	Ac-228	26	22	0.08	
									Bi-214	14	8.4			Bi-214	16	14		
									K-40	640	49			K-40	520	82		
									Pb-212	31	4.8			Pb-212	34	8.3		
									Pb-214	19	7.1			Pb-214	20	13		
									Tl-208	26	9.5			Tl-208	31	18		
									Cs-134	7.0	3.3			Cs-134	40	6.5		
Cs-137	-	-	Cs-137	340	6.0													
28	Gunma Prefecture	Rivers	Tonogawa River	Toneozeki Weir	Chiyoda Town /Gyoda City (Saitama Prefecture)	2017/8/29	Sunny	Loamy	K-40	350	86	0.04	Loamy	Ac-228	23	15	0.04	
									Pb-212	23	7.5			Bi-214	11	10		
									Pb-214	18	10			K-40	340	71		
									Tl-208	22	16			Pb-212	22	5.4		
									Cs-134	21	5.5			Tl-208	13	12		
									Cs-137	140	6.1			Cs-137	30	4.5		
									-	-	-			-	-	-		
29	Gunma Prefecture	Rivers	Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2017/8/29	Sunny	Loamy	Ac-228	25	21	0.04	Loamy	Ac-228	32	18	0.06	
									K-40	190	100			Bi-214	27	12		
									Pb-212	23	7.6			K-40	670	94		
									Pb-214	10	10			Pb-212	36	7.9		
									Tl-208	24	14			Pb-214	16	11		
									Cs-137	12	5.3			Tl-208	34	15		
									-	-	-			Cs-134	14	4.6		
-	-	-	Cs-137	110	4.8													
30	Saitama Prefecture	Rivers	Arakawa River	Kugebashi Bridge	Kumagaya City	2017/9/7	Cloudy	Loamy	Ac-228	20	14	0.05	Loamy	Ac-228	37	20	0.06	
									K-40	270	75			Bi-214	20	13		
									Pb-212	21	5.7			K-40	520	99		
									Pb-214	12	7.8			Pb-212	41	7.8		
									Tl-208	20	9.6			Pb-214	24	11		
									Cs-137	20	4.2			Tl-208	25	14		
									-	-	-			Cs-134	17	4.8		
-	-	-	Cs-137	130	5.5													
31	Saitama Prefecture	Rivers	Arakawa River	Akigase Intake Weir	Saitama City /Shiki City	2017/9/8	Sunny	Loamy	Ac-228	42	15	0.05	Loamy	Ac-228	37	17	0.05	
									Bi-214	17	12			Bi-214	18	9.9		
									K-40	410	97			K-40	550	84		
									Pb-212	30	6.5			Pb-212	32	6.9		
									Pb-214	13	11			Pb-214	17	9.6		
									Tl-208	22	14			Tl-208	29	14		
									Cs-134	12	5.0			Cs-137	20	4.7		
Cs-137	96	4.7	-	-	-													
32	Saitama Prefecture	Rivers	Edogawa River	Nagareyama Bridge	Nagareyama City (Chiba Prefecture) /Misato City	2017/8/28	Sunny	Loamy	Ac-228	21	16	0.06	Loamy	K-40	430	88	0.09	
									K-40	400	92			Pb-212	23	9.5		
									Pb-212	15	7.6			Tl-208	19	17		
									Tl-208	16	15			Cs-134	75	6.3		
									Cs-134	23	5.0			Cs-137	610	6.5		
									Cs-137	160	5.2			-	-	-		
									-	-	-			-	-	-		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Property	Left bank			Ambient dose rate (μSv/h)	Property	Right bank			Ambient dose rate (μSv/h)	Remarks
			Water area	Location	Municipality				Detected γ-ray emitting radionuclides					Detected γ-ray emitting radionuclides				
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)		
33	Chiba Prefecture	Rivers	Tonegawa River	Kakozei Weir	Tonosho Town	2017/10/3	Cloudy	Loamy	Ac-228	19	17	0.06	Loamy	Ac-228	19	16	0.04	
									K-40	470	91			K-40	300	73		
34	Chiba Prefecture	Rivers	Ichinomiya River	Nakano Bridge	Ichinomiya Town	2017/9/11	Sunny	Sandy	Pb-212	21	7.3	0.04	Sandy	Pb-212	22	5.4	0.04	
									Tl-208	18	15			Tl-208	7.7	7.6		
35	Tokyo Metropolitan	Lake	Lake Inbanuma	Lower area of water purification plant intake	Sakura City	2017/9/15	Sunny	Loamy	Cs-134	23	5.8	0.07	-	Cs-134	21	9.9	-	
									Cs-137	230	5.6			Cs-137	12	3.6		
36	Tokyo Metropolitan	Rivers	Edogawa River	Shinkatsushika Bridge	Katsushika City	2017/8/29	Sunny	Loamy	Bi-214	13	11	0.08	Loamy	K-40	390	83	0.06	
									K-40	450	89			Pb-212	19	6.3		
37	Tokyo Metropolitan	Rivers	Tamagawa River	Hajjima raw water supply point	Akishima City	2017/8/23	Sunny	Loamy	Pb-212	24	6.6	0.07	Sandy	Pb-212	10	8.8	0.06	
									Pb-214	15	9.3			Tl-208	13	13		
38	Tokyo Metropolitan	Rivers	Sumida River	Ryogoku Bridge	Chuo City /Sumida City	2017/8/25	Sunny	(No sampling conducted)	Tl-208	21	13	0.06	(No sampling conducted)	Cs-134	14	4.2	0.06	Unable to collect samples on both riverbanks due to being concrete-covered.
									Cs-137	20	4.4			Cs-137	100	4.1		
39	Kanagawa Prefecture	Rivers	Arakawa River	Kasai Bridge	Koto City /Edogawa City	2017/9/11	Sunny	Sandy	K-40	290	110	0.08	Loamy	-	-	-	0.06	
									Pb-212	13	13			Pb-212	13	13		
40	Kanagawa Prefecture	Rivers	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2017/9/13	Sunny	(No sampling conducted)	Cs-134	130	9.6	0.05	(No sampling conducted)	-	-	-	0.04	Unable to collect samples on both riverbanks due to being concrete-covered.
									Cs-137	1000	8.9			-	-	-		
41	Kanagawa Prefecture	Rivers	Sagami River	Banyu Bridge	Hiratsuka City	2017/9/5	Sunny	Loamy	-	-	-	0.04	Loamy	Ac-228	37	17	0.03	Sample was collected at 80m downstream from the fixed point as the left riverbank became private land and surrounded by a fence.
									Bi-214	38	16			Bi-214	19	8.7		
42	Kanagawa Prefecture	Rivers	Sakawa River	Sakawa Bridge	Odawara City	2017/9/4	Cloudy	Loamy	K-40	690	74	0.02	Loamy	K-40	700	59	0.02	
									Pb-212	48	6.3			Pb-212	37	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)
43	Niigata Prefecture	Rivers	Shinano River	Heisei-ohashi Bridge	Niigata City	2017/9/5	Sunny	Sandy	Ac-228	26	18	0.07	Loamy	Ac-228	44	25	0.06	
									Bi-214	11	9.9			Bi-214	18	17		
K-40	670		72	K-40	470	120												
Pb-212	31		5.7	Pb-212	35	8.5												
Pb-214	21		8.1	Pb-214	21	14												
Tl-208	27		11	Tl-208	25	18												
Cs-137	6.4		4.1	Cs-137	30	6.6												
Ac-228	34		18	Ac-228	46	22												
Bi-214	25		11	Bi-214	27	14												
K-40	590		91	K-40	630	110												
Pb-212	37		7.2	Pb-212	49	8.2												
Pb-214	23		9.3	Pb-214	25	12												
Ra-226	72	69	Tl-208	50	16													
Tl-208	37	14	Cs-134	11	5.8													
-	-	-	Cs-137	90	6.0													
44	Toyama Prefecture	Agano River	Oun Bridge	Niigata City	2017/9/5	Sunny	Loamy	Ac-228	30	15	0.07	Sandy	Ac-228	39	17	0.06		
								Bi-214	27	8.3			Bi-214	24	10			
K-40	680	65	K-40	630	78													
Pb-212	33	5.0	Pb-212	38	6.6													
Pb-214	16	7.9	Pb-214	24	9.5													
Tl-208	22	11	Tl-208	32	13													
Ac-228	34	16	Ac-228	34	19													
Bi-214	26	8.5	Bi-214	26	9.5													
K-40	590	80	K-40	620	83													
Pb-212	37	6.3	Pb-212	38	6.5													
Pb-214	19	9.5	Pb-214	26	8.2													
Tl-208	27	13	Tl-208	31	11													
-	-	-	Cs-137	5.1	4.3													
45	Ishikawa Prefecture	Saigawa River	Okuwa Bridge	Kanazawa City	2017/9/14	Sunny	Sandy	Ac-228	24	17	0.06	Sandy	Ac-228	51	18	0.07		
								Bi-214	22	8.2			Bi-214	35	11			
K-40	890	69	K-40	730	77													
Pb-212	36	5.3	Pb-212	45	6.6													
Pb-214	16	8.3	Pb-214	30	8.8													
Tl-208	28	12	Ra-226	76	64													
-	-	-	Tl-208	32	13													
-	-	-	Cs-137	22	4.5													
46	Fukui Prefecture	Tedorii River	Hakusangoguchi Dike	Hakusan City	2017/9/16	Sunny	Loamy	Ac-228	35	18	0.08	Loamy	Ac-228	36	14	0.08		
								Bi-214	22	11			Bi-214	22	7.7			
K-40	610	88	K-40	590	70													
Pb-212	37	6.8	Pb-212	35	5.6													
Pb-214	20	9.3	Pb-214	23	7.9													
Tl-208	26	13	Tl-208	21	11													
Ac-228	43	17	Ac-228	38	14													
Bi-214	21	9.8	Bi-214	74	51													
K-40	640	74	Bi-214	18	8.8													
Pb-212	47	5.9	K-40	650	67													
Pb-214	24	9.0	Pb-212	43	5.5													
Tl-208	29	13	Pb-214	20	8.3													
-	-	-	Tl-208	39	11													
47	Fukui Prefecture	Kuzuryu River	Fuseda Bridge	Fukui City	2017/9/12	Cloudy	Loamy	Ac-228	35	18	0.06	Loamy	Ac-228	36	14	0.06		
								Bi-214	22	11			Bi-214	22	7.7			
K-40	610	88	K-40	590	70													
Pb-212	37	6.8	Pb-212	35	5.6													
Pb-214	20	9.3	Pb-214	23	7.9													
Tl-208	26	13	Tl-208	21	11													
Ac-228	43	17	Ac-228	38	14													
Bi-214	21	9.8	Bi-214	74	51													
K-40	640	74	Bi-214	18	8.8													
Pb-212	47	5.9	K-40	650	67													
Pb-214	24	9.0	Pb-212	43	5.5													
Tl-208	29	13	Pb-214	20	8.3													
-	-	-	Tl-208	39	11													
48	Fukui Prefecture	Kitagawa River	Takatsuka Bridge	Obama City	2017/9/11	Cloudy	Sandy	Ac-228	35	18	0.07	Sandy	Ac-228	36	14	0.06		
								Bi-214	22	11			Bi-214	22	7.7			
K-40	610	88	K-40	590	70													
Pb-212	37	6.8	Pb-212	35	5.6													
Pb-214	20	9.3	Pb-214	23	7.9													
Tl-208	26	13	Tl-208	21	11													
Ac-228	43	17	Ac-228	38	14													
Bi-214	21	9.8	Bi-214	74	51													
K-40	640	74	Bi-214	18	8.8													
Pb-212	47	5.9	K-40	650	67													
Pb-214	24	9.0	Pb-212	43	5.5													
Tl-208	29	13	Pb-214	20	8.3													
-	-	-	Tl-208	39	11													

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Property	Left bank			Ambient dose rate (µSv/h)	Property	Right bank			Ambient dose rate (µSv/h)	Remarks											
			Water area	Location	Municipality				Detected γ-ray emitting radionuclides					Detected γ-ray emitting radionuclides															
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)													
50	Yamanashi Prefecture	Rivers	Sagami River	Katsuragawa Bridge	Uenohara City	2017/8/31	Cloudy	Loamy	Ac-228	25	21	0.05	Loamy	K-40	250	110	0.04												
									Bi-214	17	12			Pb-212	14	8.2													
K-40	440								110	Pb-214	15			11															
Pb-212	36								7.5	Cs-134	11			5.1															
Pb-214	19								11	Cs-137	88			6.0															
Tl-208	21								15	-	-			-															
Cs-134	9.4								4.9	-	-			-															
Cs-137	41								5.9	-	-			-															
51				Fujikawa River	Nanbu Bridge	Nanbu Town	2017/8/30	Sunny	Loamy	Bi-214	13	13	0.05	Loamy	Ac-228	29	15		0.06										
										K-40	320	88			Bi-214	21	8.4												
										Pb-212	29	6.5			K-40	520	66												
										Pb-214	14	10			Pb-212	26	5.4												
Tl-208	18	14	Pb-214	15	8.6																								
Cs-137	15	5.1	Tl-208	21	12																								
-	-	-	Cs-137	9.7	4.5																								
52			Shinano River	Ozeki Bridge	Iiyama City	2017/9/23	Cloudy	Loamy	Ac-228	52	17	0.07	Loamy	Ac-228	38	17	0.06												
									Bi-214	18	14			Bi-214	23	12													
									K-40	550	95			K-40	590	88													
									Pb-212	44	8.3			Pb-212	39	6.8													
									Pb-214	30	12			Pb-214	18	10													
									Tl-208	33	16			Tl-208	27	14													
									Cs-134	23	6.1			Cs-134	12	4.9													
									Cs-137	210	6.4			Cs-137	100	5.5													
									53	Nagano Prefecture				Saigawa River	Koichi Bridge	Nagano City		2017/9/22	Cloudy	Loamy	Ac-228	29	17	0.05	Sandy	Ac-228	27	17	0.07
																					Bi-214	21	11			Bi-214	15	12	
K-40	610	77	K-40	700	72																								
Pb-212	39	6.1	Pb-212	37	6.0																								
Pb-214	20	11	Pb-214	21	8.9																								
Ra-226	63	57.0	Tl-208	29	12																								
Tl-208	32	12	Cs-134	6.3	4.1																								
Cs-134	6.4	5.1	Cs-137	58	4.4																								
Cs-137	50	4.7	-	-	-																								
54			Tenryu River	Tsutsuji Bridge	Iida City	2017/9/25	Sunny	Loamy				Ac-228	56				17				0.08	Loamy	Ac-228			75	22	0.09	
									Bi-214	28	11	Bi-212	76	75															
									K-40	490	91	Bi-214	33	13															
									Pb-212	55	6.9	K-40	480	100															
									Pb-214	27	9.5	Pb-212	77	7.7															
									Tl-208	37	14	Pb-214	42	11															
									-	-	-	Tl-208	59	14															
									-	-	-	Cs-137	10	5.3															
									55	Gifu Prefecture		Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2017/9/15	Sunny	Loamy	Ac-228	29	18			0.07	Loamy	Ac-228	44	23		0.07
																		Bi-214	14	9.3					Bi-214	31	10		
K-40	760	65	K-40	620	88																								
Pb-212	33	5.6	Pb-212	52	6.7																								
Pb-214	19	7.8	Pb-214	34	9.4																								
Tl-208	24	11	Tl-208	45	15																								
-	-	-	Cs-137	6.3	5.3																								
56			Nagara River	Tokai-ohashi Bridge	Kaizu City	2017/9/15	Sunny	Loamy										Ac-228	51	21	0.08	Loamy			Ac-228	31	17	0.06	
									Bi-214	30	14	Bi-214	20	10															
									K-40	610	88	K-40	570	75															
									Pb-212	59	6.7	Pb-212	47	5.6															
									Pb-214	33	10	Pb-214	28	8.7															
									Tl-208	49	13	Ra-226	70	66															
									-	-	-	Tl-208	40	11															

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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)
57			Kanogawa River	Kurose Bridge	Numazu City	2017/9/26	Sunny	Loamy	K-40	180	83	0.03	Loamy	K-40	180	71	0.03	
									Pb-212	10	5.2			Pb-212	7.1	5.1		
									Cs-137	9.4	4.9			Cs-137	11	3.6		
58	Shizuoka Prefecture		Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town	2017/9/27	Sunny	Loamy	Ac-228	27	18	0.07	Loamy	Ac-228	33	15	0.07	
									Bi-214	13	9.7			Bi-214	20	9.0		
									K-40	640	81			K-40	470	72		
									Pb-212	37	6.2			Pb-212	34	5.9		
									Pb-214	21	8.5			Pb-214	21	8.0		
									Tl-208	19	12			Tl-208	26	11		
59			Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu City	2017/9/28	Cloudy	Loamy	Ac-228	30	15	0.06	Loamy	Ac-228	31	17	0.05	
									Bi-214	12	8.5			Bi-214	490	71		
									K-40	550	61			Pb-212	25	5.6		
									Pb-212	24	4.9			Pb-214	18	8.7		
									Pb-214	15	7.3			Tl-208	26	12		
									Tl-208	20	9.3			Cs-137	12	4.6		
60			Shonai River	Mizuwake Bridge	Nagoya City	2017/9/14	Sunny	Loamy	Cs-137	5.3	3.9	0.07	Loamy	-	-	-	0.07	
									Ac-228	66	21			Ac-228	40	21		
									Bi-214	41	14			Bi-214	32	12		
									K-40	640	100			K-40	760	96		
									Pb-212	71	8.0			Pb-212	47	8.3		
									Pb-214	46	11			Pb-214	24	12		
61	Aichi Prefecture	Rivers	Yahagi River	Iwazutenjin Bridge	Okazaki City /Toyota City	2017/9/12	Rain	Loamy	Ac-228	54	17	0.07	Loamy	Ac-228	39	16	0.07	
									Bi-214	19	10			Bi-214	12	10		
									K-40	760	88			K-40	580	89		
									Pb-212	44	6.3			Pb-212	33	6.1		
									Pb-214	11	9.8			Pb-214	15	8.8		
									Tl-208	36	13			Tl-208	26	12		
62			Toyogawa River	Eshima Bridge	Toyokawa City	2017/9/11	Sunny	Loamy	-	-	-	0.06	Loamy	Cs-137	4.2	3.2	0.05	
									Ac-228	24	14			Ac-228	43	21		
									Bi-214	14	9.6			Bi-212	74	63		
									K-40	520	70			Bi-214	20	15		
									Pb-212	27	5.6			K-40	450	120		
									Pb-214	17	7.9			Pb-212	44	8.6		
63	Mie Prefecture		Suzuka River	Ogura Bridge	Yokkaichi City	2017/9/19	Sunny	Loamy	Tl-208	31	10	0.09	Loamy	Pb-214	14	12	0.08	
									Cs-137	3.6	3.6			Tl-208	42	16		
									-	-	-			Cs-137	17	6.2		
									Ac-228	97	25			Ac-228	52	17		
									Bi-212	130	87			Bi-214	30	10		
									Bi-214	54	13			K-40	730	74		
64			Miyakawa River	Watarai Bridge	Ise City	2017/9/26	Sunny	Loamy	K-40	640	100	0.05	Loamy	Pb-212	64	60	0.06	
									Pb-212	110	8.0			Pb-214	35	8.6		
									Pb-214	67	12			Tl-208	49	14		
									Tl-208	120	17			-	-	-		
									Ac-228	32	18			Ac-228	39	18		
									Bi-214	17	11			Bi-214	24	11		
64			Miyakawa River	Watarai Bridge	Ise City	2017/9/26	Sunny	Loamy	K-40	420	79	0.05	Loamy	K-40	730	71	0.06	
									Pb-212	32	7.1			Pb-212	40	6.2		
									Pb-214	14	8.8			Pb-214	26	8.3		
									Tl-208	35	13			Tl-208	45	11		

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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)
65	Shiga Prefecture	River	Adogawa River	Joan Bridge	Takashima City	2017/8/29	Sunny	Loamy	Ac-228	43	20	0.05	Loamy	Ac-228	110	19	0.12	
									Bi-214	17	12			Bi-212	120	64		
									K-40	470	80			Bi-214	48	9.8		
									Pb-212	39	6.5			K-40	1100	72		
									Pb-214	29	9.4			Pb-212	120	6.9		
									Tl-208	34	14			Pb-214	56	9.0		
									-	-	-			Ra-226	92	64		
66	Lake	Lake Biwako	Karasaki-Chuo	-	-	2017/8/30	Cloudy	Sandy	Ac-228	21	15	0.07	-	-	-	-	-	
									K-40	990	64							
									Pb-212	22	5.0							
									Pb-214	11	6.7							
									Tl-208	20	10							
									-	-	-							
									-	-	-							
67	Kyoto Prefecture	Rivers	Yuragawa River	Yuragawa Bridge	Maizuru City	2017/9/1	Sunny	Loamy	Ac-228	33	18	0.06	Loamy	Ac-228	25	17	0.05	
									Bi-214	16	11			Bi-214	20	10		
									K-40	530	82			K-40	540	71		
									Pb-212	31	6.6			Pb-212	32	5.9		
									Pb-214	23	8.4			Pb-214	17	8.5		
									Tl-208	31	14			Tl-208	32	12		
									-	-	-			-	-	-		
68	Kyoto Prefecture	Rivers	Katsura River	Before the confluence of three tributaries of Katsura River	Oyamazaki Town	2017/8/31	Sunny	Loamy	Ac-228	47	20	0.06	Sandy	Ac-228	43	17	0.05	
									Bi-212	73	69			Bi-214	14	11		
									Bi-214	19	12			K-40	690	84		
									K-40	620	100			Pb-212	41	6.1		
									Pb-212	57	7.7			Pb-214	19	9.9		
									Pb-214	34	10			Tl-208	39	13		
									Tl-208	55	12			-	-	-		
69	Osaka Prefecture	Rivers	Inagawa River	Ganko Bridge	Itami City (Hyogo Prefecture)	2017/9/8	Sunny	Loamy	Ac-228	70	19	0.10	Sandy	Ac-228	73	20	0.11	
									Bi-212	82	66			Bi-214	80	72		
									Bi-214	37	12			Bi-214	42	10		
									K-40	930	74			K-40	1200	66		
									Pb-212	80	7.5			Pb-212	86	7.0		
									Pb-214	40	9.2			Pb-214	53	8.6		
									Tl-208	74	14			Tl-208	77	13		
70	Osaka Prefecture	Rivers	Yodogawa River	Sugaharashirokita-ohashi Bridge	Osaka City	2017/9/22	Cloudy	Loamy	Ac-228	39	19	0.07	Loamy	Ac-228	47	20	0.08	
									Bi-212	65	58			Bi-214	23	12		
									Bi-214	16	11			K-40	710	99		
									K-40	700	90			Pb-212	43	7.3		
									Pb-212	40	6.7			Pb-214	20	11		
									Pb-214	19	9.7			Tl-208	42	14		
									Tl-208	31	12			-	-	-		
71	Hyogo Prefecture	Rivers	Ishikawa River	Takahashi	Tondabayashi City	2017/9/11	Cloudy	Loamy	Ac-228	31	18	0.08	Loamy	Ac-228	35	17	0.07	
									Bi-214	17	10			Bi-214	26	9.9		
									K-40	720	69			K-40	630	76		
									Pb-212	47	5.7			Pb-212	36	6.3		
									Pb-214	22	7.2			Pb-214	22	8.4		
									Tl-208	38	12			Tl-208	32	13		
									-	-	-			-	-	-		
72	Hyogo Prefecture	Rivers	Kakogawa River	Kakogawa Bridge	Kakogawa City	2017/9/5	Cloudy	Loamy	Ac-228	35	18	0.09	Loamy	Ac-228	38	16	0.06	
									Bi-214	18	11			Bi-214	12	9.9		
									K-40	710	83			K-40	620	78		
									Pb-212	47	7.2			Pb-212	35	6.3		
									Pb-214	31	9.4			Pb-214	16	8.5		
									Tl-208	41	12			Ra-226	76	63		
									-	-	-			Tl-208	38	12		

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Results of Measurement in Public Water Areas (Surrounding Environment)

No.	Prefecture	Property	Sampling location			Sampling Date	Weather	Property	Left bank			Ambient dose rate (µSv/h)	Property	Right bank			Ambient dose rate (µSv/h)	Remarks
			Water area	Location	Municipality				Detected γ-ray emitting radionuclides					Detected γ-ray emitting radionuclides				
									Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)			Radionuclides	Measured value (Bq/kg-dry)	Detection limit (Bq/kg-dry)		
73	Hyogo Prefecture	Rivers	Mukogawa River	Hyakkenbi	Takarazuka City	2017/9/8	Sunny	Loamy	Ac-228	65	21	0.10	Loamy	Ac-228	82	18	0.11	
									Bi-212	73	52			Bi-212	91	77		
									Bi-214	40	9.8			Bi-214	43	12		
									K-40	930	70			K-40	970	74		
									Pb-212	66	6.5			Pb-212	95	6.5		
									Pb-214	45	8.6			Pb-214	45	10		
									Ra-226	89	68			Ra-226	91	66		
TL-208	58	12	TL-208	75	14													
74	Hyogo Prefecture	Rivers	Maruyama River	Kaminogo Bridge	Toyooka City	2017/9/4	Sunny	Loamy	Ac-228	90	19	0.09	Sandy	Ac-228	32	19	0.06	
									Bi-212	98	54			Bi-212	22	11		
									Bi-214	38	12			Bi-214	22	11		
									K-40	770	81			K-40	660	86		
									Pb-212	91	7.1			Pb-212	36	6.6		
									Pb-214	47	9.9			Pb-214	20	9.8		
									TL-208	77	14			TL-208	33	12		
75	Nara Prefecture	Rivers	Yamato River	Fujii	Oji Town	2017/9/5	Cloudy	Loamy	Ac-228	33	19	0.06	Loamy	Ac-228	23	21	0.05	
									K-40	580	68			K-40	510	78		
									Pb-212	32	5.7			Pb-212	24	6.4		
									Pb-214	16	8.2			Pb-214	20	9.0		
									Ra-226	67	55			-	-	-		
									TL-208	32	12			-	-	-		
									76	Nara Prefecture	Rivers			Kinokawa River	Okura Bridge	Gojo City		
Bi-214	20	11	Bi-214	10	8.2													
K-40	600	90	K-40	560	64													
Pb-212	46	6.6	Pb-212	26	5.4													
Pb-214	25	9.9	Pb-214	13	7.0													
TL-208	34	14	TL-208	20	9.1													
77	Wakayama Prefecture	Rivers	Kinokawa River	Shinrokkaizeki Weir	Wakayama City	2017/9/21	Sunny	Loamy				Ac-228	34				16	0.05
									Bi-214	21	8.6	Bi-214	20	9.5				
									K-40	550	68	K-40	640	69				
									Pb-212	33	5.8	Pb-212	39	5.5				
									Pb-214	17	7.3	Pb-214	24	7.9				
									TL-208	29	11	TL-208	33	14				
									78		Rivers	Kumano River	Kumano-ohashi Bridge	Shingu City	2017/10/3	Cloudy	(No sampling conducted)	
79	Tottori Prefecture	Rivers	Sendai River	Gyotoku	Tottori City	2017/8/29	Cloudy	Loamy	Ac-228	39	18	0.07	Sandy	Ac-228	65	19	0.08	
									Bi-214	20	12			Bi-212	83	62		
									K-40	800	95			Bi-214	23	12		
									Pb-212	47	7.1			K-40	940	89		
									Pb-214	25	10			Pb-212	83	7.2		
									TL-208	37	15			Pb-214	26	9.7		
									-	-	-			TL-208	77	14		
80	Shimane Prefecture	Rivers	Hiikawa River	Kandatsu Bridge	Izumo City	2017/8/31	Sunny	Sandy	Ac-228	34	19	0.06	Sandy	Ac-228	38	17	0.06	
									Bi-214	21	10			Bi-214	15	9.9		
									K-40	770	84			K-40	800	82		
									Pb-212	38	6.3			Pb-212	40	6.6		
									Pb-214	15	9.5			Pb-214	18	8.4		
									TL-208	33	12			TL-208	32	12		
									81	Shimane Prefecture	Rivers			Gonokawa River	Sakurae-ohashi Bridge	Gotsu City		
Bi-214	32	11	Bi-214	18	9.4													
K-40	790	92	K-40	680	66													
Pb-212	52	7.8	Pb-212	38	5.6													
Pb-214	39	10	Pb-214	21	7.9													
TL-208	49	15	TL-208	27	12													

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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)
82	Okayama Prefecture	Rivers	Asahi River	Otoite Weir	Okayama City	2017/8/28	Sunny	Sandy	Ac-228	21	18	0.07	Sandy	Ac-228	57	18	0.07	
									Bi-214	11	10			Bi-214	57	54		
									K-40	660	80			Bi-214	21	10		
									Pb-212	28	6.5			K-40	810	82		
									Pb-214	15	8.8			Pb-212	57	6.9		
									Tl-208	30	12			Pb-214	24	9.1		
									-	-	-			Tl-208	55	12		
83	Okayama Prefecture	Rivers	Takahashi River	Kasumi Bridge	Kurashiki City	2017/8/25	Sunny	Loamy	Ac-228	59	17	0.08	Loamy	Ac-228	39	19	0.08	
									Bi-214	28	10			Bi-214	23	11		
									K-40	820	75			K-40	680	79		
									Pb-212	62	6.2			Pb-212	50	5.7		
									Pb-214	31	9.0			Pb-214	24	8.7		
									Ra-226	83	63			Tl-208	45	11		
									Tl-208	38	13			-	-	-		
84	Hiroshima Prefecture	Rivers	Ota River	Water purification plant intake in Hesaka	Hiroshima City	2017/8/22	Sunny	Loamy	Ac-228	42	19	0.07	Loamy	Ac-228	35	16	0.09	
									Bi-212	69	63			Bi-214	20	9.8		
									Bi-214	27	11			K-40	1000	63		
									K-40	800	79			Pb-212	43	5.6		
									Pb-212	61	6.4			Pb-214	28	7.5		
									Pb-214	22	10			Tl-208	37	12		
									Tl-208	55	11			-	-	-		
85	Hiroshima Prefecture	Rivers	Ashida River	Kominomi Bridge	Fukuyama City	2017/8/21	Sunny	Loamy	Ac-228	46	23	0.07	Loamy	Ac-228	65	19	0.07	
									Bi-214	21	13			Bi-212	67	59		
									K-40	800	78			Bi-214	31	10		
									Pb-212	49	6.8			K-40	670	70		
									Pb-214	28	8.8			Pb-212	59	6.3		
									Tl-208	46	14			Pb-214	28	9.1		
									-	-	-			Tl-208	48	13		
86	Yamaguchi Prefecture	Rivers	Nishiki River	Water purification plant intake for the city	Iwakuni City	2017/8/24	Sunny	Loamy	Ac-228	61	16	0.09	Loamy	Ac-228	110	15	0.10	
									Bi-214	28	9.5			Bi-212	130	60		
									K-40	710	79			Bi-214	41	11		
									Pb-212	60	6.3			K-40	910	68		
									Pb-214	32	8.8			Pb-212	120	6.6		
									Tl-208	44	12			Pb-214	46	9.0		
									-	-	-			Tl-208	91	14		
87	Yamaguchi Prefecture	Rivers	Kotogawa River	Suenobu Bridge	Ube City	2017/8/23	Sunny	Loamy	Ac-228	78	22	0.08	Loamy	Ac-228	60	23	0.10	
									Bi-212	100	66			Bi-212	95	70		
									Bi-214	50	12			Bi-214	48	13		
									K-40	920	76			K-40	660	89		
									Pb-212	89	7.1			Pb-212	73	7.7		
									Pb-214	52	9.7			Pb-214	49	11		
									Tl-208	59	15			Tl-208	68	16		
88	Tokushima Prefecture	Rivers	Yoshino River	Takase Bridge	Ishii Town	2017/9/13	Sunny	Loamy	Ac-228	34	18	0.05	Loamy	Ac-228	36	18	0.07	
									K-40	630	91			Bi-214	20	9.2		
									Pb-212	36	6.6			K-40	630	91		
									Pb-214	27	9.2			Pb-212	42	6.5		
									Ra-226	72	69			Pb-214	15	10		
									Tl-208	33	12			Tl-208	32	13		
									-	-	-			-	-	-		
89	Tokushima Prefecture	Rivers	Nakagawa River	Nakagawa Bridge	Anan City	2017/9/15	Cloudy	Loamy	Ac-228	41	16	0.05	Loamy	Ac-228	33	18	0.07	
									Bi-214	22	11			Bi-214	23	9.3		
									K-40	600	78			K-40	600	69		
									Pb-212	34	6.3			Pb-212	43	5.6		
									Pb-214	22	8.8			Pb-214	21	8.0		
									Tl-208	33	12			Ra-226	73	59		
									-	-	-			Tl-208	39	12		

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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)
90	Kagawa Prefecture		Dokigawa River	Marugame Bridge	Marugame City	2017/9/11	Sunny	Sandy	Ac-228	32	15	0.07	Sandy	Ac-228	44	19	0.07	
									Bi-214	14	8.7			Bi-214	17	11		
									K-40	810	75			K-40	620	93		
									Pb-212	43	5.9			Pb-212	39	7.3		
									Pb-214	18	7.8			Pb-214	21	10		
TL-208	42	11	TL-208	45	14													
91	Ehime Prefecture		Shigenobu River	Deai Bridge	Matsuyama City	2017/9/5	Light rain	Sandy	Ac-228	30	16	0.08	Sandy	Ac-228	33	18	0.09	
									Bi-214	17	9.1			Bi-214	20	10		
									K-40	760	62			K-40	690	69		
									Pb-212	41	5.6			Pb-212	34	5.6		
									Pb-214	19	7.1			Pb-214	18	8.9		
TL-208	37	11	TL-208	28	12													
92			Hijikawa River	Hijikawa Bridge	Ozu City	2017/9/6	Sunny	Sandy	Ac-228	29	21	0.03	Sandy	Ac-228	47	23	0.07	
									K-40	550	98			Bi-214	19	13		
									Pb-212	37	7.2			K-40	610	110		
									Pb-214	14	11			Pb-212	50	8.2		
									TL-208	35	14			Pb-214	17	11		
-	-	-	TL-208	49	17													
93	Kochi Prefecture		Kagami River	Kachuzeki Weir	Kochi City	2017/9/8	Sunny	Loamy	Ac-228	54	17	0.04	Loamy	Ac-228	35	18	0.06	
									Bi-212	74	61			Bi-214	26	10		
									Bi-214	25	11			K-40	440	72		
									K-40	450	71			Pb-212	40	6.0		
									Pb-212	53	7.0			Pb-214	22	8.6		
Pb-214	34	8.8	TL-208	44	13													
TL-208	38	13	-	-	-													
94		Rivers	Niyodo River	Hatazaki Weir (1) Center of flow	Ino Town	2017/9/7	Sunny	Sandy	Ac-228	36	20	0.06	Loamy	Bi-214	14	11	0.05	
									Bi-214	16	10			K-40	490	96		
									K-40	570	99			Pb-212	36	7.0		
									Pb-212	33	7.4			Pb-214	14	11		
									Pb-214	25	9.4			TL-208	16	15		
TL-208	32	13	-	-	-													
95			Onga River	Hinode Bridge	Nogata City	2017/8/21	Cloudy	Loamy	Ac-228	35	19	0.06	Loamy	Ac-228	39	20	0.06	
									Bi-214	23	12			Bi-214	22	10		
									K-40	510	81			K-40	670	80		
									Pb-212	47	6.5			Pb-212	44	6.3		
									Pb-214	27	9.3			Pb-214	26	8.5		
Ra-226	81	73	TL-208	39	13													
TL-208	40	13	-	-	-													
96	Fukuoka Prefecture		Nakagawa River	Shiobara Bridge	Fukuoka City	2017/8/24	Sunny	Sandy	Ac-228	59	19	0.07	Sandy	Ac-228	110	18	0.07	
									Bi-214	14	11			Bi-212	110	61		
									K-40	840	68			Bi-214	17	11		
									Pb-212	73	6.4			K-40	860	69		
									Pb-214	20	7.9			Pb-212	110	6.6		
TL-208	59	12	Pb-214	27	8.1													
-	-	-	TL-208	95	14													
97			Chikugo River	Senoshita	Kurume City	2017/8/23	Sunny	Sandy	Ac-228	29	14	0.05	Loamy	Ac-228	52	20	0.05	
									Bi-214	18	8.7			Bi-214	18	12		
									K-40	600	60			K-40	530	87		
									Pb-212	45	4.9			Pb-212	49	6.9		
									Pb-214	19	7.5			Pb-214	26	9.6		
TL-208	35	10	TL-208	53	15													
98	Saga Prefecture		Kasegawa River	Kasebashi Bridge	Saga City	2017/8/28	Sunny	Loamy	Ac-228	21	19	0.05	Loamy	Ac-228	23	19	0.05	
									Bi-214	14	11			Bi-214	18	10		
									K-40	620	86			K-40	570	94		
									Pb-212	32	5.9			Pb-212	29	7.1		
									Pb-214	17	9.1			Pb-214	18	9.6		
TL-208	26	11	TL-208	21	14													

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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)
99	Nagasaki Prefecture	Rivers	Honmyogawa River	In front of Tenma Park	Isahaya City	2017/8/29	Sunny	Loamy	Ac-228	32	17	0.06	Loamy	Ac-228	34	19	0.06	
									Bi-214	18	10			K-40	290	86		
K-40	360								74	Pb-212	34			6.3				
Pb-212	32								5.7	Pb-214	15			9.2				
Pb-214	16								9.2	Tl-208	33			12				
100			Urakami River	Ohashizeki Weir	Nagasaki City	2017/8/30	Sunny	Loamy	Tl-208	26	12	0.05	Loamy	-	-	-	0.05	
101	Kumamoto Prefecture		Kikuchi River	Shiroishi	Nagomi Town	2017/8/31	Sunny	Loamy	Bi-214	11	8.6	0.07	Sandy	Ac-228	18	14	0.05	
									K-40	370	74			K-40	290	78		
									Pb-212	22	5.4			Pb-212	20	6.0		
									Tl-208	14	11			Pb-214	10	7.9		
		Ac-228							47	17	Ac-228			29	16			
Bi-214	18	11	Bi-214	12	8.3													
K-40	690	84	K-40	820	74													
Pb-212	52	6.5	Pb-212	25	5.8													
Pb-214	14	9.7	Pb-214	11	8.1													
Tl-208	43	14	Tl-208	20	11													
102		Midori River	Uesugizeki Weir	Kumamoto City	2017/9/1	Sunny	Loamy	Ac-228	25	19	0.05	Loamy	Ac-228	39	19	0.05		
								Bi-214	20	10			Bi-214	31	10			
								K-40	540	65			K-40	480	84			
								Pb-212	37	5.4			Pb-212	32	6.2			
								Pb-214	17	8.1			Pb-214	30	9.2			
Tl-208	28	12	Ra-226	80	64													
-	-	-	Tl-208	35	12													
103	Oita Prefecture	Oita River	Funai-ohashi Bridge	Oita City	2017/9/15	Cloudy	Loamy	Bi-214	12	11	0.05	Loamy	Ac-228	30	17	0.05		
								K-40	420	94			Bi-214	19	9.9			
								Pb-212	23	6.7			K-40	520	86			
								Tl-208	16	13			Pb-212	26	6.3			
								-	-	-			Pb-214	18	9.1			
-	-	-	Tl-208	31	11													
104		Ono River	Shirataki Bridge	Oita City	2017/9/12	Cloudy	Loamy	Bi-214	19	10	0.06	Loamy	Ac-228	38	18	0.06		
								K-40	490	76			Bi-214	15	12			
								Pb-212	31	5.9			K-40	550	79			
								Pb-214	19	9.4			Pb-212	29	6.8			
								Tl-208	23	13			Pb-214	21	9.6			
-	-	-	Tl-208	29	12													
105	Miyazaki Prefecture	Gokase River	Miwa	Nobeoka City	2017/9/13	Cloudy	Loamy	Ac-228	33	20	0.07	Loamy	Ac-228	40	13	0.05		
								Bi-214	20	11			Bi-214	25	9.4			
								K-40	690	70			K-40	660	77			
								Pb-212	46	5.8			Pb-212	36	6.2			
								Pb-214	32	8.0			Pb-214	27	8.6			
Ra-226	65	63	Tl-208	33	11													
Tl-208	47	13	-	-	-													
106		Oyodo River	Shinaioi Bridge	Miyazaki City	2017/9/8	Sunny	Loamy	Ac-228	56	19	0.05	Loamy	Ac-228	33	19	0.06		
								Bi-214	16	13			K-40	570	85			
								K-40	620	86			Pb-212	38	6.5			
								Pb-212	47	6.9			Pb-214	27	10			
								Pb-214	19	10			Tl-208	31	14			
Tl-208	32	16	-	-	-													

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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)								
107	Kagoshima Prefecture	Rivers	Kotsuki River	Iwasaki Bridge	Kagoshima City	2017/9/5	Sunny	(No sampling conducted)	-	-	-	0.07	(No sampling conducted)	-	-	-	0.07	Unable to collect samples on the right riverbank due to being concrete-covered.								
108			Kimotsuki River	Matase Bridge	Kanoya City	2017/9/6	Sunny	Loamy	Ac-228	30	26	0.05	Loamy	Ac-228	30	22	0.05									
							Bi-214	21	13					Bi-214	23	13										
							K-40	440	100					K-40	400	90										
							Pb-212	44	7.9					Pb-212	35	7.2										
							Pb-214	25	10					Pb-214	26	9.8										
							Tl-208	43	16					Tl-208	31	16										
109	Okinawa Prefecture	Rivers	Genka River	Water intake	Nago City	2017/9/22	Sunny	Loamy	Ac-228	41	16	0.04	Loamy	Ac-228	37	19	0.04									
									Bi-214	21	10					Bi-214		19	10							
							K-40	610	68					K-40	480	80										
							Pb-212	38	5.4					Pb-212	38	6.3										
							Pb-214	20	9.1					Pb-214	19	9.0										
							Tl-208	41	13					Tl-208	29	14										
110			Miyara River	Omoto water intake	Ishigaki City	2017/9/20	Sunny	Loamy	Ac-228	49	17	0.06	Loamy	Bi-214	19	9.8	0.05									
																		Bi-214	32	11			K-40	390	75	
																		K-40	610	80			Pb-212	29	5.5	
																		Pb-212	48	6.6			Pb-214	22	8.5	
																		Pb-214	35	9.1			Tl-208	27	12	
																		Tl-208	42	12			-	-	-	

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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	2017/8/22	>100	32.6	<1	<1	K-40	0.12	0.036	0.069	0.029	0.06	
2		Nishisenminami	Naganuma Town	12	Shallow well	2017/8/23	>100	78.8	44	110	K-40	0.22	0.052	0.18	0.062	0.03	
3	Aomori Prefecture	Shinmachi	Aomori City	600	Unknown	2017/9/4	>100	19.0	<1	<1	-	-	-	ND	0.027	0.06	
4		Sakuracho	Misawa City	Unknown	Deep well	2017/9/1	>100	36.1	<1	<1	K-40	0.058	0.045	0.073	0.029	0.04	
5	Iwate Prefecture	Motomiya	Morioka City	Unknown	Shallow well	2017/8/29	>100	26.8	<1	<1	Be-7	0.027	0.015	0.056	0.026	0.05	
6		Shimoezuriko	Kitakami City	8	Shallow well	2017/8/29	>100	13.4	<1	<1	K-40	0.049	0.029				ND
7	Miyagi Prefecture	Honcho, Aoba Ward	Sendai City	250	Deep well	2017/8/25	>100	41.7	<1	<1	K-40	0.13	0.042	0.11	0.029	0.06	
8		Kitakamicho-onagawa	Ishinomaki City	Unknown	Unknown	2017/8/28	>100	11.4	<1	<1	K-40	0.20	0.028	0.23	0.024	0.07	
9	Akita Prefecture	Niyaji	Daisen City	20-25	Shallow well	2017/9/6	>100	18.3	<1	<1	K-40	0.041	0.024	0.034	0.026	0.04	
10		Hirasawa	Nihoka City	125	Deep well	2017/9/7	>100	19.6	<1	<1	K-40	0.095	0.025	0.064	0.027	0.06	
11	Yamagata Prefecture	Hatagomachi	Yamagata City	150	Deep well	2017/8/24	>100	20.6	<1	<1	K-40	0.063	0.022	0.027	0.026	0.08	
12		Nitta	Sagae City	100	Deep well	2017/8/23	13	34.0	6	14	K-40	0.22	0.039	0.20	0.028	0.09	
13	Fukushima Prefecture	Asahi	Koriyama City	60	Unknown	2017/9/11	47	23.1	19	19	K-40	0.060	0.040	0.057	0.029	0.21	
14		Isobe	Souma City	6.4	Shallow well	2017/9/12	6	29.9	41	25	K-40	0.085	0.033	0.066	0.028	0.07	
										Pb-212	0.0044	0.0028					
15	Ibaraki Prefecture	Kenyugakuen	Tsukuba City	120	Deep well	2017/9/8	>100	14.0	<1	<1	K-40	0.17	0.029	0.10	0.027	0.07	
16		Katakura	Omitama City	50	Unknown	2017/9/7	>100	12.5	<1	<1	K-40	0.11	0.030	0.14	0.025	0.08	
17		Ozutsumi	Ibaraki Town	60	Deep well	2017/9/7	>100	151	<1	<1	K-40	0.27	0.031	0.25	0.13	0.08	
18	Tochigi Prefecture	Machida	Shimotsuke City	130	Deep well	2017/9/29	>100	32.1	<1	<1	K-40	0.072	0.030	0.042	0.028	0.05	
19		Kobyaku	Nikkou City	7	Shallow well	2017/10/3	100	6.1	<1	<1	K-40	0.035	0.020	0.033	0.024	0.14	
20		Tamachi	Mooka City	10	Shallow well	2017/10/3	100	33.3	4	6	K-40	0.12	0.022	0.055	0.027	0.08	
21	Gunma Prefecture	Shikishimacho	Maebashi City	120	Deep well	2017/8/28	>100	29.5	<1	<1	K-40	0.092	0.031	0.071	0.029	0.05	
22		Manba	Kanna Town	3.99	Shallow well	2017/8/24	>100	18.0	<1	<1	K-40	0.13	0.018	0.14	0.025	0.08	
23		Minamiooshima	Meiwa Town	220	Deep well	2017/8/28	>100	53.7	<1	<1	K-40	0.12	0.026	0.068	0.029	0.05	
24	Saitama Prefecture	Mikura, Minuma Ward	Saitama City	300	Deep well	2017/8/21	>100	17.4	<1	<1	K-40	0.082	0.029	0.052	0.027	0.05	
25		Shichizacho	Koshigaya City	200	Deep well	2017/8/22	>100	23.8	<1	<1	K-40	0.058	0.031	0.085	0.025	0.06	
26		Sugiyama	Honjyou City	200	Deep well	2017/8/22	>100	44.4	<1	<1	K-40	0.080	0.025	0.056	0.028	0.06	
27	Chiba Prefecture	Funato	Kashiwa City	150	Unknown	2017/9/8	>100	20.9	1	<1	K-40	0.060	0.032	0.057	0.027	0.11	
28		Yamamoto	Tateyama City	50	Unknown	2017/9/14	>100	47.2	<1	<1	K-40	0.19	0.034	0.15	0.028	0.04	
29		Egawa	Kisarazu City	60.2	Shallow well	2017/9/14	>100	32.9	9	6	K-40	0.20	0.018	0.16	0.028	0.05	

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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)
30	Tokyo Metropolis	Kajinocho	Koganei City	80	Unknown	2017/8/25	>100	19.5	<1	<1	K-40	0.029	0.023	ND	0.027	0.04	
31		Unazawa	Okutama Town	3	Shallow well	2017/8/24	>100	21.0	<1	<1	K-40	0.33	0.018	0.30	0.025	0.07	
32	Kanagawa Prefecture	Imaizumi	Hadano City	22.7	Deep well	2017/9/5	>100	22.0	<1	<1	K-40	0.032	0.027	ND	0.027	0.04	
33		Wadagahara	Minamishigara City	8.9	Deep well	2017/9/4	>100	19.5	<1	<1	K-40	0.064	0.039	0.044	0.027	0.03	
34	Niigata Prefecture	Nagata, Chuo Ward	Niigata City	6	Shallow well	2017/9/6	>100	79.3	<1	<1	K-40	0.39	0.037	0.36	0.030	0.09	
35		Kawauchicho	Tookamachi City	Unknown	Deep well	2017/8/21	>100	17.0	<1	<1	K-40	0.027	0.025	0.034	0.026	0.05	
36		Suzawa	Itoigawa City	Unknown	Shallow well	2017/8/21	>100	20.2	<1	<1	K-40	0.055	0.020	0.041	0.028	0.03	
37	Toyama Prefecture	Funahashikitamachi	Toyama City	80	Unknown	2017/9/19	>100	23.7	<1	<1	K-40	0.066	0.026	0.030	0.028	0.09	
38		HorikiriShin	Kurobe City	50	Unknown	2017/9/15	>100	12.5	<1	<1	K-40	0.056	0.018	0.039	0.024	0.09	
39	Ishikawa Prefecture	Kuramitsu	Hakusan City	120	Deep well	2017/9/13	>100	29.4	<1	<1	-	-	-	0.042	0.027	0.06	
40		Daiwamachi	Kanazawa City	120	Deep well	2017/9/14	>100	14.9	1	<1	K-40	0.025	0.019	ND	0.027	0.06	
41	Fukui Prefecture	Ote	Fukui City	120	Deep well	2017/9/12	>100	32.1	<1	<1	K-40	0.034	0.030	0.030	0.026	0.10	
42		Mishimacho	Tsuruga City	37	Deep well	2017/9/11	>100	16.6	<1	<1	K-40	0.045	0.019	0.037	0.026	0.09	
43	Yamanashi Prefecture	Saijyoshinden	Showa Town	85	Deep well	2017/8/30	>100	17.6	<1	<1	K-40	0.075	0.025	0.073	0.025	0.05	
44		Shimoyama	Minobu Town	30	Deep well	2017/8/31	>100	32.1	<1	<1	K-40	0.068	0.035	0.042	0.027	0.05	
45	Nagano Prefecture	Tsurugamidori	Nagano City	110	Deep well	2017/9/21	>100	45.6	<1	<1	K-40	0.13	0.035	0.099	0.029	0.05	
46		Kuiseke	Chikuma City	60	Deep well	2017/9/20	>100	24.3	<1	<1	K-40	0.10	0.027	0.071	0.048	0.06	Groundwater after chlorine treatment
47		Shimosuwamachi	Shimosuwa Town	115	Deep well	2017/9/21	>100	21.9	<1	<1	K-40	0.19	0.033	0.15	0.051	0.06	
48	Gifu Prefecture	Kanoshimizacho	Gifu City	19.90	Shallow well	2017/9/21	>100	10.3	<1	<1	K-40	0.070	0.016	0.049	0.026	0.07	
49		Shimomakuwa	Motosu City	120	Deep well	2017/9/21	>100	9.1	<1	<1	-	-	-	ND	0.024	0.07	
50		Ootacho	Minokamo City	6.5	Shallow well	2017/9/13	>100	19.5	<1	<1	K-40	0.18	0.021	0.14	0.026	0.12	
51	Shizuoka Prefecture	Hara	Numazu City	200	Deep well	2017/9/26	>100	9.8	<1	<1	K-40	0.057	0.029	0.031	0.027	0.04	
52		Nakajima, Suruga Ward	Shizuoka City	81.5	Deep well	2017/9/25	>100	18.7	<1	<1	-	-	-	ND	0.025	0.06	
53		Kawashiri	Yoshida Town	90-100	Deep well	2017/9/27	>100	16.2	<1	<1	K-40	0.029	0.021	ND	0.026	0.06	
54	Aichi Prefecture	Kawaharatori, Showa Ward	Nagoya City	55	Deep well	2017/9/14	>100	7.1	3	1	K-40	0.16	0.038	0.14	0.026	0.08	
55		Torimatsucho	Kasugai City	170	Deep well	2017/9/13	>100	14.1	23	31	K-40	0.11	0.033	0.11	0.025	0.06	
56		Inomoto, Naganawacho	Nishiho City	70	Deep well	2017/9/11	>100	46.6	2	1	Ac-228	0.021	0.0082	0.18	0.029	0.07	
										K-40	0.19	0.044					
										Pb-214	0.0066	0.0044					

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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)		
57	Mie Prefecture	Inouchi	Suzuka City	200	Deep well	2017/9/19	>100	10.5	2	4	K-40	0.13	0.038	0.10	0.027	0.06	
58		Odamachishinden	Iga City	8	Shallow well	2017/9/20	>100	16.7	<1	<1	K-40	0.11	0.026	0.11	0.027	0.08	
59		Gokasyoura	Minamise Town	7.4	Shallow well	2017/9/19	>100	15.3	<1	<1	-	-	-	0.034	0.024	0.06	
60	Shiga Prefecture	Miyakecho	Moriyama City	20-30	Deep well	2017/8/30	>100	23.9	<1	<1	K-40	0.046	0.036	ND	0.027	0.09	
61		Arahari	Rittou City	Unknown	Unknown	2017/8/28	>100	15.0	<1	<1	K-40	0.11	0.028	0.090	0.025	0.07	
62		Tsudacho	Oumihachiman City	Unknown	Unknown	2017/8/28	75	40.4	3	2	K-40	0.071	0.036	0.055	0.028	0.09	
63	Kyoto Prefecture	Toraishicho, Nakagyo Ward	Kyoto City	80	Deep well	2017/8/31	>100	12.2	<1	<1	K-40	0.065	0.021	0.054	0.026	0.08	
64		Yasakacho	Kyoutango City	20	Unknown	2017/9/1	>100	16.8	2	3	Ac-228	0.0049	0.0047	0.049	0.025	0.09	
										K-40	0.042	0.028					
65	Osaka Prefecture	Daisennakamachi, Sakai Ward	Sakai City	181	Deep well	2017/9/12	>100	38.6	4	<1	K-40	0.50	0.040	0.40	0.028	0.08	
66		Shyakudo	Habikino City	168	Deep well	2017/9/11	>100	28.9	7	16	K-40	0.063	0.046	0.039	0.028	0.05	
67	Hyogo Prefecture	Kuchisakai	Itami City	29.25	Shallow well	2017/9/12	>100	34.9	9	39	K-40	0.15	0.027	0.11	0.026	0.08	
68		Saiwaicho	Toyooka City	42.04	Deep well	2017/9/4	>100	60.4	3	4	K-40	0.43	0.037	0.38	0.029	0.07	
69		Fukui	Miki City	150	Deep well	2017/9/5	>100	11.1	<1	<1	K-40	0.085	0.033	0.059	0.027	0.08	
70	Nara Prefecture	Sakyo	Nara City	82.5	Deep well	2017/9/5	>100	20.6	2	1	K-40	0.11	0.045	0.074	0.026	0.06	
71		Kawai	Sakurai City	5.10	Unknown	2017/9/6	65	20.7	3	2	K-40	0.13	0.026	0.12	0.026	0.07	
72	Wakayama Prefecture	Takano	Kinokawa City	Unknown	Unknown	2017/9/21	>100	26.2	<1	<1	-	-	-	ND	0.028	0.05	
73		Sono	Gobou City	4.70	Shallow well	2017/9/20	>100	20.8	<1	<1	K-40	0.17	0.024	0.10	0.025	0.08	
74	Tottori Prefecture	Saiwaicho	Tottori City	24.00	Deep well	2017/8/29	>100	68.4	<1	<1	K-40	0.16	0.030	0.12	0.030	0.08	
75		Yatsuya	Kurayoshi City	10	Shallow well	2017/8/30	>100	10.9	<1	<1	K-40	0.065	0.019	0.038	0.027	0.10	
76	Shimane Prefecture	Nishikwatsucho	Matsue City	100	Deep well	2017/8/31	>100	56.3	<1	<1	K-40	0.093	0.045	0.082	0.028	0.07	
77		Enyacho	Izumo City	53	Deep well	2017/9/1	>100	27.2	<1	<1	K-40	0.11	0.035	0.093	0.027	0.06	Groundwater after chlorine treatment
78	Okayama Prefecture	Fukui	Kurashiki City	13.1	Shallow well	2017/8/25	>100	66.5	<1	<1	K-40	0.13	0.041	0.14	0.030	0.09	
79		Hiruzenkamitokuyama	Maniwa City	84	Deep well	2017/8/30	>100	6.5	<1	<1	K-40	0.067	0.032	0.049	0.024	0.07	
80	Hiroshima Prefecture	Kamienochi, Aki Ward	Hiroshima City	30	Deep well	2017/8/22	>100	6.7	<1	<1	-	-	-	0.078	0.026	0.11	
81		Mitsugichosaburoumaru	Onomichi City	15	Shallow well	2017/8/21	>100	6.8	<1	<1	K-40	0.046	0.018	0.051	0.027	0.10	
82	Yamaguchi Prefecture	Ouchimihori	Yamaguchi City	Unknown	Unknown	2017/8/24	>100	16.7	<1	<1	K-40	0.080	0.018	0.061	0.025	0.12	
83		Higashifukawa	Nagato City	6	Shallow well	2017/8/23	>100	14.7	<1	<1	K-40	0.063	0.020	0.081	0.026	0.08	
84	Tokushima Prefecture	Fudohoncho	Tokushima City	25.7	Deep well	2017/9/13	>100	16.6	<1	<1	K-40	0.045	0.018	ND	0.027	0.08	
85		Wakimachi	Mima City	50	Deep well	2017/9/12	>100	19.5	<1	<1	K-40	0.057	0.023	0.045	0.025	0.06	

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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)		
86	Kagawa Prefecture	Bancho	Takamatsu City	Unknown	Shallow well	2017/9/12	>100	39.5	<1	<1	K-40	0.19	0.027	0.13	0.028	0.09	Water which had the same water source was sampled at different place due to construction.
87		Shigekicho	Kanonji City	2.57	Shallow well	2017/9/8	>100	31.1	<1	<1	K-40	0.12	0.023	0.12	0.028	0.08	
88	Ehime Prefecture	Hiraimachi	Matsuyama City	50	Deep well	2017/9/5	>100	45.5	2	2	K-40	0.069	0.027	0.063	0.028	0.09	
89		Kanbaikou	Saijyou City	21.0	Deep well	2017/9/4	>100	8.2	<1	<1	K-40	0.016	0.016	ND	0.025	0.10	
90		Katayama	Imabari City	7.5	Shallow well	2017/9/4	>100	14.3	<1	<1	K-40	0.036	0.020	ND	0.027	0.08	
91	Kochi Prefecture	Kerako	Kochi City	8	Shallow well	2017/11/20	>100	15.9	<1	<1	K-40	0.048	0.019	0.028	0.024	0.05	
92		Hondou	Shimanto Town	4.68	Shallow well	2017/9/7	>100	8.2	<1	<1	K-40	0.064	0.017	0.047	0.026	0.06	
93	Fukuoka Prefecture	Tanushimurumachiakinari	Kurume City	30	Shallow well	2017/8/23	>100	24.9	<1	<1	K-40	0.18	0.032	0.087	0.028	0.05	
94		Tougou	Munakata City	Unknown	Shallow well	2017/8/22	>100	29.4	<1	<1	K-40	0.059	0.027	0.073	0.026	0.07	
95	Saga Prefecture	Yamatochoniji	Saga City	100	Deep well	2017/8/28	>100	17.2	<1	<1	-	-	-	ND	0.027	0.05	
96		Sefurimachihirotaki	Kanzaki City	85	Deep well	2017/8/22	>100	9.4	<1	<1	Pa-234m	0.18	0.17	0.24	0.030	0.06	
										Th-234	0.053	0.046					
									U-235	0.0045	0.0044						
97	Nagasaki Prefecture	Eidamachi	Isahaya City	132	Deep well	2017/8/29	>100	21.4	<1	<1	K-40	0.14	0.030	0.093	0.025	0.05	
98		Gounourachokatabarufure	Iki City	71.05	Deep well	2017/8/25	>100	24.2	<1	<1	K-40	0.081	0.028	0.055	0.027	0.05	
99	Kumamoto Prefecture	Suizenji, Chuo Ward	Kumamoto City	55.5	Deep well	2017/9/1	>100	24.7	<1	<1	K-40	0.15	0.031	0.11	0.028	0.05	
100		Wataru	Kikuchi City	152	Deep well	2017/8/31	>100	12.4	<1	<1	K-40	0.12	0.033	0.12	0.025	0.05	
101		Ichinomiya machimiyaji	Aso City	108	Deep well	2017/9/4	>100	25.1	<1	<1	K-40	0.20	0.034	0.12	0.027	0.05	
102	Oita Prefecture	Kamioka	Saiki City	35	Deep well	2017/9/11	>100	14.2	<1	<1	K-40	0.037	0.021	ND	0.026	0.05	
103		Enomoto, Miwa	Bungotakada City	10.00	Shallow well	2017/9/11	>100	22.1	<1	<1	K-40	0.12	0.026	0.068	0.025	0.06	
104	Miyazaki Prefecture	Minamiyokoichicho	Miyakonojo City	130	Deep well	2017/9/7	>100	12.5	<1	<1	-	-	-	ND	0.026	0.06	
105		Minaminishikata	Kobayashi City	Unknown	Unknown	2017/9/7	>100	20.0	<1	<1	K-40	0.11	0.022	0.055	0.027	0.05	
106		Marutanicho	Miyakonojyou City	20	Shallow well	2017/9/7	>100	14.7	<1	<1	K-40	0.13	0.025	0.075	0.025	0.05	
107	Kagoshima Prefecture	Tamazatocho	Kagoshima City	70	Deep well	2017/9/5	>100	22.4	<1	<1	K-40	0.17	0.028	0.12	0.027	0.07	
108		Manose	Minamisatuma City	30	Deep well	2017/9/6	>100	14.6	<1	<1	K-40	0.093	0.026	0.068	0.027	0.06	
109	Okinawa Prefecture	Hirahigashinakasonezoe	Miyakojima City	Unknown	Unknown	2017/9/21	>100	72.5	<1	<1	K-40	0.030	0.019	ND	0.029	0.06	
110		Yabu	Nago City	12	Shallow well	2017/9/22	>100	90.4	<1	<1	K-40	0.092	0.026	0.089	0.032	0.03	

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