

National Radioactive Material Monitoring in the Water Environment in the Whole of  
Japan(2016)  
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).....	20
Results of Measurement of Groundwater(Water) .....	35

## 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 (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limits (Bq/L)	Measured value (Bq/L)		Detection limits (Bq/L)
1	Hokkaido Prefecture	Rivers	Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2016/11/7	Sunny	2.0	0.1	>100	-	8.7	5	1	K-40	0.065	0.033	0.037	0.026	
2				Intake at the Shirakawa water purification plant in Sapporo City	Sapporo City	2016/10/11	Cloudy	1.7	0.1	>100	-	16.3	3	3	Be-7	0.017	0.0080	0.075	0.026	
														K-40	0.062	0.023				
3			Teshio River	Nakashibetsu Bridge (Intake at the Higashiyama water purification plant in Shibetsu City)	Shibetsu City	2016/10/12	Cloudy	0.8	0.1	88	-	8.4	4	6	Be-7	0.027	0.0083	0.067	0.024	
															K-40	0.041	0.028			
4			Tokoro River	Tadashi Bridge	Kitami City	2016/10/13	Sunny	1.0	0.1	>100	-	14.0	2	3	K-40	0.068	0.031	0.084	0.026	
5			Kushiro River	Intake at the Aikoku water purification plant in Kushiro City	Kushiro City	2016/10/14	Sunny	2.2	0.1	59	-	15.2	15	9	K-40	0.044	0.040	0.060	0.026	
6			Tokachi River	Nantai Bridge	Obihiro City	2016/10/14	Sunny	1.1	0.1	61	-	6.6	5	7	K-40	0.11	0.021	0.080	0.026	
7			Sarugawa River	Sarugawa Bridge (Tomigawa)	Hidaka Town	2016/10/15	Sunny	1.3	0.1	12	-	11.0	30	47	K-40	0.034	0.031	0.046	0.025	
8			Matsukura River	Mitsumoribashi Bridge (Before the confluence with Torasawa River)	Hakodate City	2016/8/24	Sunny	0.4	0.1	>100	-	6.5	<1	<1	-	-	-	ND	0.026	
9	Shiribeshi-toshibetsu River	Intake at the Kitahiyama simple water plant in Kitahiyama Town	Setana Town	2016/8/23	Cloudy	0.5	0.1	>100	-	8.6	<1	1	K-40	0.051	0.030	0.067	0.024			
10	Aomori Prefecture	Rivers	Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2016/9/27	Cloudy	3.5	0.1	60	-	21.0	2	<1	K-40	0.082	0.040	0.078	0.026	
11			Mabechi River	Shiruchi Bridge	Hachinohe City	2016/9/23	Rain	1.8	0.1	62	-	12.5	7	1	Be-7	0.015	0.014	0.068	0.026	
														K-40	0.073	0.029				
12	Iwate Prefecture	Rivers	Mabechi River	Fugane Bridge	Ninohe City	2016/9/21	Sunny	1.0	0.1	>100	-	10.9	<1	<1	K-40	0.034	0.026	ND	0.026	
13			Heigawa River	Miyako Bridge	Miyako City	2016/10/3	Cloudy	1.8	0.1	>100	-	415	1	1	K-40	0.74	0.072	0.65	0.056	
14			Kitakami River	Chitose Bridge	Ichinoseki City	2016/9/19	Cloudy	4.0	0.1	80	-	11.5	1	<1	K-40	0.033	0.023	0.053	0.025	
15	Miyagi Prefecture	Rivers	Abukuma River	Iwanuma (Abukuma Bridge)	Iwanuma City	2016/10/4	Sunny	1.3	0.1	39	-	15.3	6	5	K-40	0.056	0.023	0.058	0.026	
															Cs-134	0.0026	0.0011			
															Cs-137	0.014	0.0011			
16	Natori River	Yuriage-ohashi Bridge	Natori City	2016/10/4	Sunny	0.9	0.1	34	-	1020	11	6	K-40	1.6	0.092	1.7	0.12			
															Cs-137	0.0068	0.0042			
17	Akita Prefecture	Yoneshiro River	Noshiro Bridge	Noshiro City	2016/9/28	Rain	3.0	0.1	42	-	12.7	6	4	K-40	0.047	0.024	0.045	0.024		
18		Omono River	Kurose Bridge	Akita City	2016/10/2	Sunny	1.8	0.1	>100	-	12.2	2	2	K-40	0.041	0.023	0.047	0.026		
19	Yamagata Prefecture	Mogami River	Ryou Bridge	Sakata City	2016/9/30	Sunny	3.8	0.1	42	-	11.6	17	8	K-40	0.056	0.022	0.059	0.026		
20		Akagawa River	Shinkawa Bridge	Sakata City	2016/9/30	Sunny	0.6	0.1	64	-	16.8	2	2	Be-7	0.021	0.0098	0.054	0.027		
															K-40	0.039	0.020			

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 (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limits (Bq/L)	Measured value (Bq/L)		Detection limits (Bq/L)
21	Fukushima Prefecture	Rivers	Agano River	Shingo Dam	Kitakata City	2016/9/2	Sunny	6.8	0.1	80	-	8.1	8	9	K-40	0.051	0.022	0.064	0.025	
22			Abukuma River	Taisho Bridge (Fushiguro)	Date City	2016/9/6	Sunny	1.3	0.1	84	-	16.2	7	4	K-40	0.089	0.024			
23			Kujigawa River	Takachiara Bridge	Yamatsuri Town	2016/9/5	Sunny	1.2	0.1	>100	-	10.0	2	1	K-40	0.033	0.030	0.055	0.026	
24	Ibaraki Prefecture	Lake	Lake Kasumigaura	Center (Surface layer)	Miho Village	2016/9/9	Sunny	6.0	0.1	33	0.72	28.8	7	10	K-40	0.16	0.018			0.19
				Center (Bottom layer)					5.0	32					28.8	9	12	K-40	0.16	
25	Tochigi Prefecture	Rivers	Kokai River	Fumimaki Bridge	Toride City	2016/9/12	Cloudy	2.2	0.1	35	-	18.4	29	6	K-40	0.15	0.038	0.11	0.025	
															Cs-137	0.0083	0.0014			
26	Tochigi Prefecture	Rivers	Nakagawa River	Shinnaka Bridge	Nakagawa Town	2016/8/24	Cloudy	0.4	0.1	60	-	12.5	5	7	K-40	0.080	0.027	0.062	0.024	
27															Cs-137	0.0021	0.0012			
28	Gunma Prefecture	Rivers	Kinugawa River	Kinugawa Bridge (Hoshakuji Temple)	Utsunomiya City	2016/9/16	Cloudy	2.8	0.1	>100	-	9.4	2	1	Cs-137	0.0027	0.0011	0.060	0.025	
29															Tonegawa River	Tonezeki Weir	Chiyoda Town/ Gyoda City (Saitama Prefecture)			
30	Saitama Prefecture	Rivers	Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2016/9/15	Cloudy	2.8	0.1	>100	-	11.2	2	2	Cs-137	0.0027	0.0011	0.049	0.024	
31															Arakawa River	Kugebashi Bridge	Kumagaya City			
32	Saitama Prefecture	Rivers	Arakawa River	Akigase Intake Weir	Saitama City/Shiki City	2016/9/13	Cloudy	4.1	0.1	58	-	21.0	14	7	K-40	0.064	0.027	0.075	0.027	
															Cs-137	0.0014	0.0011			
33	Chiba Prefecture	Rivers	Edogawa River	Nagareyama Bridge	Nagareyama City (Chiba Prefecture) /Misato City	2016/10/3	Cloudy	0.7	0.1	53	-	20.4	18	7	K-40	0.076	0.028	0.089	0.025	
															Cs-137	0.0047	0.0011			
34	Chiba Prefecture	Rivers	Tonegawa River	Kakozeki Weir	Tonosho Town	2016/9/7	Cloudy	5.5	0.1	42	-	21.9	7	6	K-40	0.075	0.034	0.085	0.026	
35															Cs-137	0.0047	0.0013			
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake (Surface layer)	Sakura City	2016/9/8	Sunny	1.5	0.1	18	0.42	28.0	26	18	K-40	0.13	0.033	0.17	0.027	
				Cs-137											0.0053	0.0013				
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake (Bottom layer)	Sakura City	2016/9/8	Sunny	1.5	0.5	16	0.42	28.2	26	17	K-40	0.031	0.0013	0.14	0.027	
				Cs-137											0.0055	0.0012				
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake (Bottom layer)	Sakura City	2016/9/8	Sunny	1.5	0.5	16	0.42	28.2	26	17	Cs-137	0.029	0.0012	0.14	0.027	

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 (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity			
															Radionuclides	Measured value (Bq/L)	Detection limits (Bq/L)	Measured value (Bq/L)		Detection limits (Bq/L)	
36	Tokyo Metropolis	Rivers	Edogawa River	Shinkatsushika Bridge	Katsushika City	2016/10/3	Cloudy	0.5	0.1	67	-	21.3	13	8	K-40	0.058	0.025	0.047	0.027		
37			Tamagawa River	Haijima raw water supply point	Akishima City	2016/9/5	Sunny	0.9	0.1	>100	-	14.0	1	1	-	-	-				0.039
38			Sumida River	Ryogoku Bridge	Chuo City /Sumida City	2016/9/14	Cloudy	1.6	0.1	54	-	602	7	9	K-40	1.2	0.091	0.98	0.14		Collected on the left bank side during construction on the right bank side
39			Arakawa River	Kasai Bridge	Koto City /Edogawa City	2016/10/19	Cloudy	1.7	0.1	37	-	1310	22	19	K-40	2.5	0.092	2.3	0.21		
40	Kanagawa Prefecture	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2016/9/7	Cloudy	7.8	0.1	>100	-	546	2	4	K-40	1.0	0.091	0.82			0.14	
41		Sagami River	Banyu Bridge	Hiratsuka City	2016/9/8	Cloudy	2.4	0.1	70	-	20.1	7	7	K-40	0.067	0.028	0.071	0.027			
42		Sakawa River	Sakawa Bridge	Odawara City	2016/9/6	Sunny	0.6	0.1	>100	-	16.2	2	2	K-40	0.047	0.028	0.041	0.025			
43	Niigata Prefecture	Shinano River	Heisei-ohashi Bridge	Niigata City	2016/10/14	Sunny	3.6	0.1	53	-	13.3	15	5	K-40	0.057	0.025	0.065	0.025			
44		Agano River	Oun Bridge	Niigata City	2016/10/14	Sunny	4.4	0.1	>100	-	8.1	2	1	K-40	0.030	0.027	0.041	0.026			
45	Toyama Prefecture	Jinzu River	Hagiura Bridge	Toyama City	2016/9/12	Sunny	5.1	0.1	83	-	59.9	4	1	K-40	0.13	0.022			0.13	0.029	
46	Ishikawa Prefecture	Saigawa River	Okuwa Bridge	Kanazawa City	2016/9/9	Sunny	0.7	0.1	83	-	8.3	5	3	Be-7	0.015	0.012	0.026	0.024			
47		Tedori River	Hakusangoguchi Dike	Hakusan City	2016/10/11	Cloudy	2.8	0.1	40	-	9.5	16	23	K-40	0.049	0.017			0.032	0.026	
48	Fukui Prefecture	Kuzuryu River	Fuseda Bridge	Fukui City	2016/9/7	Sunny	1.2	0.1	97	-	159	2	4	K-40	0.32	0.043	0.29	0.037			
49		Kitagawa River	Takatsuka Bridge	Obama City	2016/9/6	Cloudy	0.4	0.1	>100	-	11.7	1	<1	K-40	0.031	0.020	0.028	0.024			
50	Yamanashi Prefecture	Sagami River	Katsuragawa Bridge	Uenohara City	2016/9/12	Cloudy	2.3	0.1	>100	-	13.4	<1	<1	K-40	0.038	0.026	ND	0.026			
51		Fujikawa River	Nanbu Bridge	Nanbu Town	2016/10/21	Cloudy	0.8	0.1	>100	-	20.1	1	<1	K-40	0.060	0.030	0.048	0.027			
52	Nagano Prefecture	Shinano River	Ozeki Bridge	Iiyama City	2016/10/12	Sunny	0.6	0.1	69	-	16.2	11	7	K-40	0.067	0.024	0.048	0.026			
53		Saigawa River	Koichi Bridge	Nagano City	2016/10/12	Sunny	2.7	0.1	65	-	12.1	2	15	K-40	0.058	0.028	0.057	0.026			
54		Tenryu River	Tsutsuji Bridge	Iida City	2016/9/16	Cloudy	1.0	0.1	84	-	14.6	3	1	K-40	0.085	0.029	0.067	0.027			
55	Gifu Prefecture	Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2016/9/9	Sunny	3.5	0.1	83	-	8.2	3	3	K-40	0.039	0.018	0.043	0.023			
56		Nagara River	Tokai-ohashi Bridge	Kaizu City	2016/10/14	Sunny	7.2	0.1	>100	-	9.3	<1	1	K-40	0.038	0.017	0.032	0.025			
57	Shizuoka Prefecture	Kanogawa River	Kurose Bridge	Numazu City	2016/9/15	Sunny	1.6	0.1	50	-	10.4	10	6	-	-	-	0.055	0.024			
58		Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town	2016/9/16	Cloudy	1.1	0.1	>100	-	15.8	1	1	K-40	0.039	0.021	0.039	0.025			
59		Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu City	2016/9/14	Rain	2.2	0.1	63	-	11.1	5	5	K-40	0.031	0.028	0.051	0.026			
60	Aichi Prefecture	Shonai River	Mizuwake Bridge	Nagoya City	2016/9/12	Cloudy	0.6	0.1	91	-	62.5	5	2	Be-7	0.043	0.025	0.26	0.027			
61		Yahagi River	Iwazutenjin Bridge	Okazaki City/Toyota City	2016/9/6	Cloudy	2.6	0.1	>100	-	6.5	1	1	K-40	0.035	0.021			0.035	0.025	
62	Mie Prefecture	Toyogawa River	Eshima Bridge	Toyokawa City	2016/10/13	Sunny	0.8	0.1	>100	-	7.0	<1	1	K-40	0.028	0.022	0.036	0.026			
63		Suzuka River	Ogura Bridge	Yokkaichi City	2016/9/5	Rain	0.8	0.1	>100	-	16.1	4	1	K-40	0.11	0.020	0.11	0.025			
64		Miyakawa River	Watarai Bridge	Ise City	2016/8/29	Cloudy	0.8	0.1	83	-	7.9	7	2	K-40	0.028	0.018	0.032	0.025			

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 (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limits (Bq/L)	Measured value (Bq/L)		Detection limits (Bq/L)
65	Shiga Prefecture	Rivers	Adogawa River	Joan Bridge	Takashima City	2016/9/10	Sunny	0.6	0.1	>100	-	7.3	1	1	-	-	-	ND	0.026	
66		Lake	Lake Biwako	Karasakioki-Chuo (surface layer)	—	2016/8/31	Sunny	4.6	0.1	96	2.5	11.8	<1	1	K-40	0.066	0.017	0.053	0.026	
			Karasakioki-Chuo (Bottom layer)	3.6					94	12.4		1	2	K-40	0.049	0.017	0.058	0.024		
67	Kyoto Prefecture	Rivers	Yuragawa River	Yuragawa Bridge	Maizuru City	2016/9/2	Sunny	6.8	0.1	>100	-	12.2	1	2	K-40	0.033	0.022	ND	0.026	
68			Katsura River	Before the confluence of three tributaries	Oyamazaki Town	2016/9/1	Sunny	2.8	0.1	>100	-	17.3	5	3	K-40	0.10	0.021	0.10	0.025	
69	Osaka Prefecture	Rivers	Inagawa River	Gunko Bridge	Itami City (Hyogo Prefecture)	2016/9/8	Cloudy	0.5	0.1	89	-	15.0	4	3	K-40	0.074	0.019	0.060	0.025	
70			Yodogawa River	Sugaharashirokita-ohashi Bridge	Osaka City	2016/9/9	Sunny	8.1	0.1	54	-	12.7	6	6	K-40	0.084	0.017	0.078	0.026	
71			Ishikawa River	Takahashi Bridge	Tondabayashi City	2016/9/10	Sunny	0.2	0.1	>100	-	25.9	2	2	K-40	0.080	0.022	0.060	0.025	
72	Hyogo Prefecture	Rivers	Kakogawa River	Kakogawa Bridge	Kakogawa City	2016/9/6	Sunny	1.3	0.1	>100	-	14.5	2	2	K-40	0.10	0.019	0.099	0.026	
73			Mukogawa River	Hyakkenbi	Takarazuka City	2016/9/7	Sunny	0.2	0.1	>100	-	21.5	1	1	Bi-214	0.0034	0.0028	0.19	0.028	
															K-40	0.18	0.026			
															Pb-214	0.0054	0.0025			
74	Nara Prefecture	Rivers	Maruyama River	kaminogo Bridge	Toyooka City	2016/9/5	Cloudy	0.2	0.1	>100	-	12.3	1	1	K-40	0.046	0.019	0.039	0.024	
75			Yamato River	Fujii	Oji Town	2016/9/1	Sunny	0.8	0.1	61	-	24.2	7	3	K-40	0.15	0.021	0.16	0.027	
76	Wakayama Prefecture	Rivers	Kinokawa River	Okura Bridge	Gojo City	2016/9/7	Sunny	4.0	0.1	51	-	7.8	4	4	K-40	0.037	0.017	0.042	0.024	
77			Kinokawa River	Shinrokkaizeki Weir	Wakayama City	2016/9/6	Cloudy	3.3	0.1	61	-	10.3	3	10	K-40	0.040	0.018	0.029	0.025	
78	Tottori Prefecture	Rivers	Kumano River	Kumano-ohashi Bridge	Shingu City	2016/10/4	Rain	4.9	0.1	51	-	10.3	7	8	K-40	0.052	0.018	0.038	0.026	
79			Sendai River	Gyotoku	Tottori City	2016/9/2	Sunny	0.8	0.1	>100	-	9.8	4	2	K-40	0.054	0.022	0.042	0.024	
80	Shimane Prefecture	Rivers	Hiikawa River	Kandatsu Bridge	Izumo City	2016/9/1	Sunny	0.3	0.1	94	-	9.0	7	1	K-40	0.036	0.023	0.061	0.025	
81			Gonokawa River	Sakurae-ohashi Bridge	Gotsu City	2016/9/1	Sunny	3.8	0.1	78	-	8.9	4	1	K-40	0.044	0.022	0.053	0.026	
82	Okayama Prefecture	Rivers	Asahi River	Otoite Weir	Okayama City	2016/9/3	Sunny	1.0	0.1	>100	-	10.1	2	2	K-40	0.047	0.023	0.040	0.024	
83			Takahashi River	Kasumi Bridge	Kurashiki City	2016/8/23	Sunny	2.5	0.1	54	-	13.3	5	5	K-40	0.043	0.023	0.045	0.026	
84	Hiroshima Prefecture	Rivers	Ota River	Water purification plant intake in Hesaka	Hiroshima City	2016/8/24	Sunny	2.5	0.1	>100	-	8.3	1	1	K-40	0.039	0.025	0.046	0.026	
85			Ashida River	Kominomi Bridge	Fukuyama City	2016/8/22	Cloudy	0.9	0.1	58	-	13.4	9	7	K-40	0.064	0.023	0.086	0.025	
86	Yamaguchi Prefecture	Rivers	Nishiki River	Water purification plant intake for the city	Iwakuni City	2016/8/25	Sunny	5.4	0.1	>100	-	8.1	<1	<1	K-40	0.036	0.024	ND	0.026	
87			Kotogawa River	Suenobu Bridge	Ube City	2016/8/26	Sunny	3.3	0.1	91	-	15.6	1	2	K-40	0.037	0.023	0.039	0.026	

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 (cm)	Secchi disk depth (Lake) (m)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity (FNU)	Detected $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
															Radionuclides	Measured value (Bq/L)	Detection limits (Bq/L)	Measured value (Bq/L)		Detection limits (Bq/L)
88	Tokushima Prefecture	Rivers	Yoshino River	Takase Bridge	Ishii Town	2016/9/14	Rain	5.1	0.1	86	-	9.3	2	1	K-40	0.044	0.024	0.031	0.024	
89			Nakagawa River	Nakagawa Bridge	Anan City	2016/9/15	Cloudy	3.9	0.1	51	-	8.0	7	4	Pb-214	0.0029	0.0021	ND	0.025	
90	Kagawa Prefecture		Dokigawa River	Marugame Bridge	Marugame City	2016/9/12	Sunny	0.4	0.1	>100	-	16.1	3	1	K-40	0.095	0.024	0.094	0.024	
91	Ehime Prefecture		Shigenobu River	Deai Bridge	Matsuyama City	2016/9/16	Sunny	0.8	0.1	86	-	18.3	4	2	K-40	0.090	0.028	0.083	0.027	
92			Hijikawa River	Hijikawa Bridge	Ozu City	2016/9/17	Rain	0.7	0.1	95	-	12.2	2	2	K-40	0.027	0.022	0.029	0.026	
93	Kochi Prefecture		Kagami River	Kachuzeki Weir	Kochi City	2016/10/12	Sunny	2.9	0.1	>100	-	7.8	<1	1	-	-	-	0.024	0.024	
94			Niyodo River	Hatazeki Weir (1) Center of flow	Ino Town	2016/10/13	Sunny	0.5	0.1	>100	-	8.1	<1	<1	-	-	-	ND	0.025	
95			Onga River	Hinode Bridge	Nogata City	2016/8/22	Sunny	1.5	0.1	92	-	34.1	8	3	K-40	0.053	0.022	0.090	0.028	
96	Fukuoka Prefecture		Nakagawa River	Shiobara Bridge	Fukuoka City	2016/8/23	Sunny	1.0	0.1	>100	-	21.2	1	<1	K-40	0.071	0.032	0.033	0.025	
97			Chikugo River	Senoshita	Kurume City	2016/8/24	Sunny	5.6	0.1	50	-	16.9	7	5	K-40	0.13	0.041	0.082	0.026	
98	Saga Prefecture	Kasegawa River	Kasebashi Bridge	Saga City	2016/8/25	Sunny	4.2	0.1	92	-	10.4	3	4	K-40	0.032	0.022	0.044	0.026		
99	Nagasaki Prefecture	Honmyogawa River	In front of Tenma Park	Isahaya City	2016/8/26	Sunny	1.0	0.1	>100	-	12.8	1	1	K-40	0.095	0.041	0.065	0.024		
100		Urakami River	Ohashizeki Weir	Nagasaki City	2016/8/27	Sunny	1.1	0.1	>100	-	23.9	4	5	K-40	0.055	0.032	0.080	0.026		
101	Kumamoto Prefecture	Kikuchi River	Shiroishi	Nagomi Town	2016/8/30	Sunny	7.6	0.1	95	-	17.1	5	4	K-40	0.14	0.041	0.095	0.027		
102		Midori River	Uesugizeki Weir	Kumamoto City	2016/8/31	Sunny	1.2	0.1	67	-	13.9	9	3	K-40	0.071	0.027	0.078	0.024		
103	Oita Prefecture	Oita River	Funai-ohashi Bridge	Oita City	2016/9/10	Cloudy	1.5	0.1	>100	-	20.8	2	1	K-40	0.14	0.045	0.10	0.027		
104		Ono River	Shirataki Bridge	Oita City	2016/9/11	Sunny	0.9	0.1	65	-	12.4	5	1	K-40	0.099	0.035	0.080	0.027		
105	Miyazaki Prefecture	Gokase River	Miwa	Nobeoka City	2016/9/9	Sunny	1.6	0.1	81	-	8.2	2	<1	-	-	-	0.049	0.024		
106		Oyodo River	Shinaoi Bridge	Miyazaki City	2016/9/8	Sunny	1.3	0.1	86	-	12.8	1	<1	K-40	0.091	0.042	0.091	0.026		
107	Kagoshima Prefecture	Kotsuki River	Iwasaki Bridge	Kagoshima City	2016/9/5	Sunny	0.9	0.1	>100	-	14.9	2	<1	K-40	0.13	0.037	0.092	0.025		
108		Kimotsuki River	Matase Bridge	Kanoya City	2016/9/6	Rain	0.9	0.1	>100	-	13.0	12	2	K-40	0.095	0.045	0.12	0.026		
109	Okinawa Prefecture	Genka River	Water intake	Nago City	2016/9/16	Sunny	0.7	0.1	>100	-	16.7	<1	3	K-40	0.030	0.019	ND	0.026		
110		Miyara River	Omoto water intake	Ishigaki City	2016/9/14	Sunny	1.5	0.1	57	-	18.4	5	8	K-40	0.056	0.025	0.059	0.025		

\*This report does not contain measurement errors concerning radioactive material concentrations.

\*ND: Not detectable

## 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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
1	Hokkaido Prefecture	Rivers	Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2016/11/7	Sunny	2.0	10	81.3	Sand/gravel	Ac-228	22	4.3	550	18	
				Bi-214	13	2.8	470	19									
K-40			420	16	660	18											
Pb-212			19	2.3			530	17									
Pb-214			14	2.7	270	16											
Tl-208			16	3.9			470	18									
Ac-228			16	6.0	470	19											
Bi-214			11	3.3			660	18									
K-40			340	15	530	17											
Pb-212			16	2.7			270	16									
Pb-214			12	3.1	470	18											
Ra-226			44	34			530	17									
Tl-208			14	4.8	270	16											
Ac-228			32	5.2			470	18									
Be-7			14	1.1	530	17											
Bi-212			36	24			270	16									
Bi-214			18	3.2	470	18											
K-40			650	17			530	17									
Pb-212	33	2.8	270	16													
Pb-214	17	3.0			470	18											
Tl-208	29	4.3	530	17													
Ac-228	21	4.8			270	16											
Bi-212	23	20	470	18													
Bi-214	15	2.6			530	17											
K-40	460	18	270	16													
Pb-212	20	2.3			470	18											
Pb-214	15	2.6	530	17													
Tl-208	18	3.5			270	16											
Ac-228	6.7	5.4	470	18													
Be-7	28	12			530	17											
Bi-214	6.8	3.8	270	16													
K-40	230	22			470	18											
Pb-212	10	2.4	530	17													
Pb-214	7.4	2.8			270	16											
Tl-208	8.6	3.7	470	18													
Cs-137	4.8	1.6			530	17											
Ac-228	18	5.3	270	16													
Bi-214	12	3.1			470	18											
K-40	380	17	530	17													
Pb-212	16	2.8			270	16											
Pb-214	12	3.4	470	18													
Tl-208	16	4.6			530	17											
Ac-228	16	4.8	270	16													
Bi-212	22	20			470	18											
Bi-214	10	3.0	530	17													
K-40	440	17			270	16											
Pb-212	19	2.4	470	18													
Pb-214	13	2.7			530	17											
Ra-226	33	27	270	16													
Tl-208	14	3.7			470	18											
Ac-228	15	5.4	530	17													
Bi-212	22	19			270	16											
Bi-214	8.4	3.7	470	18													
K-40	270	16			530	17											
Pb-212	13	2.6	270	16													
Pb-214	13	3.0			470	18											
Tl-208	14	4.4	530	17													
Cs-137	2.5	1.5			270	16											
Ac-228	32	5.4	470	18													
Bi-212	33	22			530	17											
Bi-214	23	3.3	270	16													
K-40	670	17			470	18											
Pb-212	31	2.8	530	17													
Pb-214	24	3.0			270	16											
Tl-208	28	4.2	470	18													

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
10	Aomori Prefecture	Rivers	Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2016/9/27	Cloudy	3.5	10	43.7	Silt/sand	Ac-228	12	6.4	450	16	
												Bi-214	12	3.8			
												K-40	340	19			
												Pb-212	15	2.8			
												Pb-214	13	3.5			
												Tl-208	17	4.4			
												Cs-137	2.5	2.0			
11	Aomori Prefecture	Rivers	Mabechi River	Shiriuchi Bridge	Hachinohe City	2016/9/23	Rain	1.8	10	61.0	Silt	Ac-228	13	6.7	320	17	
												Bi-214	8.5	3.9			
												K-40	280	22			
												Pb-212	14	2.9			
												Pb-214	13	3.3			
												Tl-208	14	4.5			
												Cs-137	2.4	1.7			
12	Iwate Prefecture	Rivers	Mabechi River	Fugane Bridge	Ninohe City	2016/9/21	Sunny	1.0	10	66.1	Silt/sand	Ac-228	15	4.2	310	18	
												Bi-212	24	17			
												Bi-214	11	2.7			
												K-40	280	17			
												Pb-212	14	2.4			
												Pb-214	9.9	2.6			
												Tl-208	14	3.6			
Cs-137	3.0	1.4															
13	Iwate Prefecture	Rivers	Heigawa River	Miyako Bridge	Miyako City	2016/10/3	Cloudy	1.8	10	40.9	Silt	Ac-228	29	7.5	620	19	
												Bi-212	51	24			
												Bi-214	20	4.7			
												K-40	540	24			
												Pb-212	42	3.3			
												Pb-214	28	4.0			
												Ra-226	56	39			
Tl-208	37	5.2															
Cs-137	11	2.2															
14	Miyagi Prefecture	Rivers	Kitakami River	Chitose Bridge	Ichinoseki City	2016/9/19	Cloudy	4.0	10	62.6	Sand/gravel	Ac-228	17	4.9	430	18	
												Bi-212	21	17			
												Bi-214	11	3.2			
												K-40	360	17			
												Pb-212	17	2.6			
												Pb-214	14	3.2			
												Tl-208	14	3.8			
Cs-134	6.1	1.3															
Cs-137	36	1.6															
15	Miyagi Prefecture	Rivers	Abukuma River	Iwanuma (Abukuma Bridge)	Iwanuma City	2016/10/4	Sunny	1.3	10	75.4	Sand	Ac-228	14	4.8	470	16	
												Bi-212	25	17			
												Bi-214	11	2.8			
												K-40	400	15			
												Pb-212	16	2.5			
												Pb-214	9.8	3.1			
												Tl-208	14	3.6			
Cs-134	6.3	1.5															
Cs-137	41	1.3															
16	Akita Prefecture	Rivers	Natori River	Yuriage-ohashi Bridge	Natori City	2016/10/4	Sunny	0.9	10	73.4	Sand	Bi-214	7.3	3.0	350	16	
												K-40	310	15			
												Pb-212	9.9	2.3			
												Pb-214	6.1	3.1			
												Tl-208	9.8	4.2			
												Cs-137	9.1	1.7			
												Ac-228	14	4.6			
Bi-214	11	2.6															
17	Akita Prefecture	Rivers	Yoneshiro River	Noshiro Bridge	Noshiro City	2016/9/28	Rain	3.0	10	84.9	Sand	K-40	370	15	410	16	
												Pb-212	14	2.2			
												Pb-214	12	2.5			
												Tl-208	14	3.0			
												Ac-228	27	6.9			
												Be-7	29	22			
												Bi-214	16	4.4			
18	Akita Prefecture	Rivers	Omono River	Kurose Bridge	Akita City	2016/10/2	Sunny	1.8	10	54.6	Silt/sand	K-40	370	21	510	19	
												Pb-212	21	3.2			
												Pb-214	17	4.0			
												Tl-208	14	5.8			
												Cs-137	6.9	1.9			

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
19	Yamagata Prefecture		Mogami River	Ryou Bridge	Sakata City	2016/9/30	Sunny	3.8	10	62.8	Silt/sand	Ac-228	12	5.8	490	19	
												Bi-214	18	2.8			
												K-40	430	19			
												Pb-212	21	2.5			
												Pb-214	17	3.0			
												Tl-208	21	3.8			
												Cs-134	2.0	1.2			
20			Akagawa River	Shinkawa Bridge	Sakata City	2016/9/30	Sunny	0.6	10	39.3	Silt/sand	Ac-228	11	1.4	680	19	
												Bi-214	22	6.0			
												K-40	480	28			
												Pb-212	38	4.3			
												Pb-214	22	5.4			
												Tl-208	28	7.2			
												Cs-137	7.0	2.8			
21	Fukushima Prefecture	Rivers	Agano River	Shingo Dam	Kitakata City	2016/9/2	Sunny	6.8	10	44.7	Silt	Ac-228	31	8.9	710	17	
												Bi-214	32	5.4			
												K-40	490	28			
												Pb-212	36	4.7			
												Pb-214	32	5.2			
												Tl-208	34	8.0			
												Cs-134	13	2.2			
22			Abukuma River	Taisho Bridge (Fushiguro)	Date City	2016/9/6	Sunny	1.3	10	65.7	Sand	Ac-228	55	2.6	550	17	
												Bi-214	23	6.1			
												Bi-214	16	4.8			
												K-40	330	18			
												Pb-212	21	4.2			
												Pb-214	18	5.6			
												Tl-208	18	6.4			
23			Kujigawa River	Takachihara Bridge	Yamatsuri Town	2016/9/5	Sunny	1.2	10	79.8	Sand	Ac-228	21	2.3	680	16	
												Bi-214	110	2.6			
												Bi-214	18	7.3			
												Bi-214	14	3.7			
												K-40	600	18			
												Pb-212	18	3.3			
												Pb-214	14	3.6			
24	Ibaraki Prefecture	Lake	Lake Kasumigaura	Center	Miho Village	2016/9/9	Sunny	6.0	10	14.9	Silt	Ac-228	18	4.8	610	19	
												Bi-214	19	7.6			
												K-40	290	28			
												Pb-212	32	5.3			
												Pb-214	16	8.1			
												Tl-208	29	10			
												Cs-134	64	3.6			
25			Kokai River	Fumimaki Bridge	Toride City	2016/9/12	Cloudy	2.2	10	74.0	Sand	Ac-228	380	3.2	650	16	
												Bi-212	21	6.9			
												Bi-212	34	25			
												Bi-214	16	4.5			
												K-40	500	21			
												Pb-212	25	3.4			
												Pb-214	20	4.0			
26	Tochigi Prefecture	Rivers	Nakagawa River	Shinnaka Bridge	Nakagawa Town	2016/8/24	Cloudy	0.4	10	76.1	Sand	Ac-228	26	5.3	500	17	
												Bi-212	16	4.1			
												Bi-214	14	2.5			
												K-40	440	15			
												Pb-212	22	2.4			
												Pb-214	14	3.0			
												Tl-208	16	4.1			
27			Kinugawa River	Kinugawa Bridge (Hoshakuji Temple)	Utsunomiya City	2016/9/16	Cloudy	2.8	10	74.0	Sand	Ac-228	5.2	1.2	590	19	
												Bi-212	25	1.5			
												Bi-212	25	5.7			
												Bi-212	36	19			
												Bi-214	18	3.4			
												K-40	560	16			
												Pb-212	29	2.8			
												Ac-228	22	3.3			
												Bi-212	22	3.3			
												Bi-214	23	4.5			
												Cs-134	3.5	1.6			
												Cs-137	22	1.6			

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
28	Gunma Prefecture	Rivers	Tonegawa River	Toneozeki Weir	Chiyoda Town/ Gyoda City (Saitama Prefecture)	2016/9/15	Cloudy	0.8	10	48.3	Silt	Ac-228	21	6.4	460	17	
												Be-7	59	45			
												Bi-212	29	23			
												Bi-214	13	5.0			
												K-40	300	22			
												Pb-212	21	3.8			
												Pb-214	17	4.8			
												Tl-208	21	6.4			
												Cs-134	26	2.1			
												Cs-137	140	2.5			
29	Gunma Prefecture	Rivers	Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2016/9/15	Cloudy	2.8	10	65.8	Silt/sand	Ac-228	25	5.8	590	17	
												Bi-214	16	3.0			
												K-40	450	17			
												Pb-212	26	4.1			
												Pb-214	22	3.0			
												Tl-208	24	6.2			
												Cs-134	13	2.2			
												Cs-137	82	2.4			
												Ac-228	22	6.2			
												Bi-212	29	26			
30	Saitama Prefecture	Rivers	Arakawa River	Kugebashi Bridge	Kumagaya City	2016/10/3	Rain	0.9	10	78.5	Silt/sand	Bi-214	17	4.0	550	19	
												K-40	430	16			
												Pb-212	27	3.2			
												Pb-214	20	3.8			
												Tl-208	22	5.0			
												Ac-228	17	4.8			
												Bi-212	27	18			
												Bi-214	12	2.9			
												K-40	380	15			
												Pb-212	21	2.3			
31	Saitama Prefecture	Rivers	Arakawa River	Akigase Intake Weir	Saitama City/Shiki City	2016/9/13	Cloudy	4.1	10	72.5	Silt/sand/ gravel	Pb-214	16	2.5	400	18	
												Tl-208	16	3.4			
												Cs-134	1.7	1.2			
												Cs-137	8.2	1.2			
												Ac-228	22	5.6			
												Bi-212	35	20			
												Bi-214	14	3.0			
												K-40	370	20			
												Pb-212	23	2.5			
												32	Saitama Prefecture	Rivers			Edogawa River
Tl-208	23	4.0															
Cs-137	3.9	1.3															
Ac-228	20	5.7															
Bi-212	22	21															
Bi-214	14	3.8															
K-40	470	18															
Pb-212	20	2.9															
Pb-214	17	3.4															
33	Chiba Prefecture	Rivers	Tonegawa River	Kakozeki Weir	Tonosho Town	2016/9/7	Cloudy	5.5	10	61.9	Silt/sand				Tl-208	20	
												Cs-134	10	1.6			
												Cs-137	54	1.8			
												Ac-228	12	6.8			
												Bi-214	9.0	3.8			
												K-40	410	18			
												Pb-212	15	3.1			
												Pb-214	9.8	3.8			
												Tl-208	13	4.9			
												34	Chiba Prefecture	Rivers	Ichinomiya River	Nakano Bridge	Ichinomiya Town
Cs-137	26	1.8															
Ac-228	21	7.9															
Bi-214	11	9.5															
K-40	190	30															
Pb-212	21	6.1															
Pb-214	18	9.5															
Tl-208	13	12															
Cs-134	91	4.3															
35	Chiba Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake	Sakura City	2016/9/8	Sunny	1.5	10	20.8	Silt						

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
36	Tokyo Metropolis	Rivers	Edogawa River	Shinkatsushika Bridge	Katsushika City	2016/10/3	Cloudy	0.5	10	47.7	Silt/sand	Ac-228	22	5.9	500	18	
												Be-7	61	38			
												Bi-214	15	4.7			
												K-40	360	22			
												Pb-212	21	4.1			
												Pb-214	18	5.4			
												Tl-208	16	6.1			
												Cs-134	30	2.1			
												Cs-137	160	2.3			
												Ac-228	32	7.1			
37	Tokyo Metropolis	Rivers	Tamagawa River	Hajijima raw water supply point	Akishima City	2016/9/5	Sunny	0.9	10	79.7	Sand/gravel	Ac-228	35	3.7	670	18	
												Bi-212	30	28			
												Bi-214	21	4.8			
												K-40	480	19			
												Pb-212	21	4.5			
												Pb-214	27	5.8			
												Tl-208	27	5.8			
												Cs-134	5.3	2.0			
												Cs-137	37	2.1			
												Ac-228	25	7.3			
38	Tokyo Metropolis	Rivers	Sumida River	Ryogoku Bridge	Chuo City /Sumida City	2016/9/14	Cloudy	1.6	10	29.5	Silt/sand	Be-7	82	70	710	18	Collected on the left bank side during construction on the right bank side
												Bi-212	37	31			
												Bi-214	16	5.5			
												K-40	470	26			
												Pb-212	31	4.3			
												Pb-214	20	5.9			
												Ra-226	51	44			
												Tl-208	28	7.9			
												Cs-134	30	2.7			
												Cs-137	160	2.5			
39	Tokyo Metropolis	Rivers	Arakawa River	Kasai Bridge	Koto City /Edogawa City	2016/10/19	Cloudy	1.7	10	41.4	Silt/sand	Ac-228	27	6.4	660	17	
												Bi-212	43	34			
												Bi-214	18	6.3			
												K-40	400	26			
												Pb-212	27	5.7			
												Pb-214	22	6.5			
												Tl-208	25	9.1			
												Cs-134	32	2.9			
												Cs-137	180	3.1			
												Ac-228	17	8.5			
40	Kanagawa Prefecture	Rivers	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2016/9/7	Cloudy	7.8	10	33.0	Silt	Bi-214	15	5.9	560	19	
												K-40	360	31			
												Pb-212	20	5.3			
												Pb-214	12	7.0			
												Tl-208	19	8.0			
												Cs-134	23	3.5			
												Cs-137	130	3.2			
												Ac-228	10	3.9			
												Bi-214	8.2	2.4			
												K-40	300	15			
41	Kanagawa Prefecture	Rivers	Sagami River	Banyu Bridge	Hiratsuka City	2016/9/8	Cloudy	2.4	10	83.0	Sand	Pb-212	10	2.0	310	15	
												Pb-214	9.1	2.1			
												Tl-208	10	3.1			
												Cs-134	1.4	1.0			
												Cs-137	7.8	0.98			
												Bi-214	2.7	2.6			
												K-40	140	13			
												Pb-212	4.5	1.7			
												Pb-214	5.1	2.2			
												Tl-208	3.2	3.1			
42	Kanagawa Prefecture	Rivers	Sakawa River	Sakawa Bridge	Odawara City	2016/9/6	Sunny	0.6	10	88.4	Silt/sand/ gravel	Cs-137	2.6	1.3	170	16	
												K-40	140	13			
												Pb-212	4.5	1.7			
												Pb-214	5.1	2.2			
												Tl-208	3.2	3.1			

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
43	Niigata Prefecture	Rivers	Shinano River	Heisei-ohashi Bridge	Niigata City	2016/10/14	Sunny	3.6	10	64.2	Silt/sand	Ac-228	31	7.3	750	18	
												Bi-212	33	26			
												Bi-214	20	4.3			
												K-40	590	21			
												Pb-212	28	3.6			
												Pb-214	24	3.9			
												Tl-208	26	5.0			
												Cs-137	6.1	2.2			
												Ac-228	24	5.6			
												Bi-212	29	21			
44	Niigata Prefecture	Rivers	Agano River	Oun Bridge	Niigata City	2016/10/14	Sunny	4.4	10	73.8	Sand	Ac-228	24	5.6	830	19	
												Bi-212	29	21			
												Bi-214	16	2.9			
												K-40	690	16			
												Pb-212	28	2.7			
												Pb-214	19	2.7			
												Ra-226	41	31			
												Tl-208	23	3.6			
												Cs-134	1.5	1.3			
												Cs-137	7.2	1.6			
45	Toyama Prefecture	Rivers	Jinzu River	Hagiura Bridge	Toyama City	2016/9/12	Sunny	5.1	10	50.7	Silt/sand	Ac-228	38	8.7	880	18	
												Bi-212	47	35			
												Bi-214	32	5.2			
												K-40	630	28			
												Pb-212	46	4.6			
												Pb-214	32	5.2			
												Ra-226	71	52			
												Tl-208	38	6.7			
												Ac-228	30	8.1			
												Bi-212	32	29			
46	Ishikawa Prefecture	Rivers	Saigawa River	Okuwa Bridge	Kanazawa City	2016/9/9	Sunny	0.7	10	75.2	Sand	Ac-228	18	4.4	680	19	
												Bi-212	18	4.4			
												Bi-214	18	4.4			
												K-40	520	19			
												Pb-212	28	3.5			
												Pb-214	21	4.0			
												Tl-208	25	5.3			
												Ac-228	27	7.0			
												Bi-212	38	25			
												Bi-214	20	4.1			
47	Ishikawa Prefecture	Rivers	Tedoru River	Hakusangoguchi Dike	Hakusan City	2016/10/11	Cloudy	2.8	10	80.9	Sand/gravel	K-40	470	16	710	17	
												Pb-212	34	3.5			
												Pb-214	20	3.8			
												Tl-208	34	4.6			
												Ac-228	36	7.9			
												Bi-212	47	28			
												Bi-214	17	5.0			
												K-40	610	19			
												Pb-212	38	3.7			
												Pb-214	22	4.4			
48	Fukui Prefecture	Rivers	Kuzuryu River	Fuseda Bridge	Fukui City	2016/9/7	Sunny	1.2	10	60.5	Silt/sand	Tl-208	30	5.6	800	19	
												Ac-228	19	7.4			
												Bi-214	11	4.1			
												K-40	380	31			
												Pb-212	25	2.5			
												Pb-214	16	3.5			
												Tl-208	25	4.7			
												Ac-228	10	5.7			
												Bi-214	9.0	3.1			
												K-40	330	17			
49	Fukui Prefecture	Rivers	Kitagawa River	Takatsuka Bridge	Obama City	2016/9/6	Cloudy	0.4	10	85.9	Sand/gravel	Pb-212	15	2.7	500	16	
												Pb-214	9.8	3.1			
												Tl-208	11	4.6			
												Cs-137	2.8	1.6			
												Ac-228	20	5.5			
												Bi-212	26	22			
												Bi-214	12	3.4			
												K-40	350	15			
												Pb-212	21	2.6			
												Pb-214	15	3.1			
50	Yamanashi Prefecture	Rivers	Sagami River	Katsuragawa Bridge	Uenohara City	2016/9/12	Cloudy	2.3	10	81.0	Sand/gravel	Tl-208	15	4.0	430	16	
												Ac-228	10	5.7			
												Bi-214	9.0	3.1			
												K-40	330	17			
												Pb-212	15	2.7			
												Pb-214	9.8	3.1			
												Tl-208	11	4.6			
												Cs-137	2.8	1.6			
												Ac-228	20	5.5			
												Bi-212	26	22			
51	Yamanashi Prefecture	Rivers	Fujikawa River	Nanbu Bridge	Nanbu Town	2016/10/21	Cloudy	0.8	10	86.6	Sand/gravel	Bi-214	12	3.4	440	16	
												K-40	350	15			
												Pb-212	21	2.6			
												Pb-214	15	3.1			
												Tl-208	15	4.0			

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
52	Nagano Prefecture	Rivers	Shinano River	Ozeki Bridge	Iiyama City	2016/10/12	Sunny	0.6	10	64.5	Sand	Ac-228	56	8.9	840	20	
												Bi-212	63	35			
												Bi-214	36	5.3			
												K-40	650	20			
												Pb-212	63	4.2			
												Pb-214	35	5.0			
												Tl-208	51	7.2			
												Cs-137	4.5	2.5			
												Ac-228	49	8.4			
53	Nagano Prefecture	Rivers	Saigawa River	Koichi Bridge	Nagano City	2016/10/12	Sunny	2.7	10	64.9	Sand	Bi-212	48	35	840	18	
												Bi-214	34	4.6			
												K-40	610	23			
												Pb-212	57	4.0			
												Pb-214	31	5.0			
												Tl-208	42	6.3			
												Ac-228	23	6.6			
												Bi-212	27	27			
												Bi-214	13	3.8			
54	Nagano Prefecture	Rivers	Tenryu River	Tsutsuji Bridge	Iida City	2016/9/16	Cloudy	1.0	10	74.8	Sand	K-40	600	17	740	17	
												Pb-212	29	3.4			
												Pb-214	15	3.6			
												Tl-208	24	5.3			
												Ac-228	42	7.9			
												Bi-212	44	35			
												Bi-214	25	5.1			
												K-40	790	22			
												Pb-212	49	4.2			
55	Gifu Prefecture	Rivers	Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2016/9/9	Sunny	3.5	10	67.0	Sand	Pb-214	27	5.0	1,000	21	
												Ra-226	79	56			
												Tl-208	43	6.2			
												Ac-228	42	6.5			
												Bi-212	43	26			
												Bi-214	20	4.2			
												K-40	630	19			
												Pb-212	38	3.7			
												Pb-214	21	4.3			
56	Gifu Prefecture	Rivers	Nagara River	Tokai-ohashi Bridge	Kaizu City	2016/10/14	Sunny	7.2	10	74.4	Silt	Tl-208	36	5.6	790	19	
												Bi-214	5.0	2.2			
												K-40	160	15			
												Pb-212	6.0	1.9			
												Pb-214	5.5	2.5			
												Tl-208	4.8	3.2			
												Cs-137	3.3	1.3			
												Ac-228	28	5.8			
												Bi-214	15	3.8			
57	Shizuoka Prefecture	Rivers	Karino River	Kurose Bridge	Numazu City	2016/9/15	Sunny	1.6	10	73.0	Sand/gravel	Ac-228	28	5.8	210	16	
												Bi-214	15	3.8			
												K-40	450	16			
												Pb-212	31	3.0			
												Pb-214	19	3.7			
												Tl-208	29	4.7			
												Ac-228	25	6.1			
												Bi-212	39	22			
												Bi-214	18	3.4			
58	Shizuoka Prefecture	Rivers	Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town	2016/9/16	Cloudy	1.1	10	83.8	Sand/gravel	K-40	550	17	590	17	
												Pb-212	28	3.2			
												Pb-214	18	3.9			
												Tl-208	21	5.5			
												Ac-228	10	5.2			
												Bi-214	8.6	2.8			
												K-40	660	15			
												Pb-212	11	2.1			
												Pb-214	9.9	2.4			
59	Aichi Prefecture	Rivers	Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu City	2016/9/14	Rain	2.2	10	81.9	Sand	Tl-208	11	2.9	610	18	
												Ac-228	35	8.4			
												Bi-212	38	31			
												Bi-214	14	4.1			
												K-40	710	20			
												Pb-212	41	3.6			
												Pb-214	18	4.0			
												Tl-208	33	5.2			
												Ac-228	20	6.0			
60	Aichi Prefecture	Rivers	Shonai River	Mizuwake Bridge	Nagoya City	2016/9/12	Cloudy	0.6	10	85.9	Sand	Bi-214	11	3.5	670	17	
												K-40	370	15			
												Pb-212	24	2.8			
												Pb-214	13	3.2			
												Tl-208	16	4.6			
												Ac-228	20	6.0			
												Bi-212	35	8.4			
												Bi-214	38	31			
												Bi-214	14	4.1			
61	Aichi Prefecture	Rivers	Yahagi River	Iwazutenjin Bridge	Okazaki City/Toyota City	2016/9/6	Cloudy	2.6	10	74.2	Silt/sand	K-40	710	20	900	19	
												Pb-212	41	3.6			
												Pb-214	18	4.0			
												Tl-208	33	5.2			
												Ac-228	20	6.0			
												Bi-214	11	3.5			
												K-40	370	15			
												Pb-212	24	2.8			
												Pb-214	13	3.2			
62	Aichi Prefecture	Rivers	Toyogawa River	Eshima Bridge	Toyokawa City	2016/10/13	Sunny	0.8	10	86.0	Sand/gravel	Tl-208	16	4.6	470	18	
												Ac-228	20	6.0			
												Bi-214	11	3.5			
												K-40	370	15			
												Pb-212	24	2.8			
												Pb-214	13	3.2			
												Tl-208	16	4.6			

## 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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
63	Mie Prefecture	Rivers	Suzuka River	Ogura Bridge	Yokkaichi City	2016/9/5	Rain	0.8	10	82.6	Sand	Ac-228	17	6.1	900	16	
												Bi-214	5.3	3.5			
												K-40	780	21			
												Pb-212	13	2.9			
												Pb-214	7.6	3.3			
												Tl-208	15	4.7			
64	Mie Prefecture	Rivers	Miyakawa River	Watarai Bridge	Ise City	2016/8/29	Cloudy	0.8	10	73.4	Sand	Ac-228	29	6.5	600	17	
												Bi-212	40	27			
												Bi-214	18	3.7			
												K-40	460	16			
												Pb-212	27	3.2			
												Pb-214	15	4.0			
65	Shiga Prefecture	Rivers	Adogawa River	Joan Bridge	Takashima City	2016/9/10	Sunny	0.6	10	86.7	Sand/gravel	Ac-228	29	5.9	520	19	
												Bi-214	14	3.7			
												K-40	440	17			
												Pb-212	30	3.0			
												Pb-214	20	3.4			
												Tl-208	22	4.8			
66	Shiga Prefecture	Lake	Lake Biwako	Karasakioki-Chuo	-	2016/8/31	Sunny	4.6	10	23.2	Silt	Ac-228	87	7.5	940	26	
												Bi-212	77	36			
												Bi-214	40	5.6			
												K-40	570	27			
												Pb-212	94	4.1			
												Pb-214	46	4.7			
												Ra-226	98	45			
												Tl-208	79	6.7			
												Cs-137	5.5	2.6			
												Ac-228	38	7.5			
												Bi-212	42	24			
												Bi-214	19	4.9			
67	Kyoto Prefecture	Rivers	Yuragawa River	Yuragawa Bridge	Maizuru City	2016/9/2	Sunny	6.8	10	43.9	Silt/sand	Ac-228	15	6.5	660	18	
												Bi-214	10	3.3			
												K-40	610	16			
												Pb-212	17	2.8			
												Pb-214	12	3.1			
												Tl-208	16	4.0			
68	Kyoto Prefecture	Rivers	Katsura River	Before the confluence of three tributaries	Oyamazaki Town	2016/9/1	Sunny	2.8	10	86.8	Sand/gravel	Ac-228	20	6.8	730	18	
												Bi-214	12	4.1			
												K-40	670	15			
												Pb-212	23	3.0			
												Pb-214	15	3.2			
												Tl-208	19	5.0			
69	Osaka Prefecture	Rivers	Inagawa River	Gunko Bridge	Itami City (Hyogo Prefecture)	2016/9/8	Cloudy	0.5	10	82.0	Sand/gravel	Ac-228	26	6.8	710	17	
												Bi-212	33	27			
												Bi-214	17	4.0			
												K-40	690	17			
												Pb-212	27	3.3			
												Pb-214	21	3.9			
70	Osaka Prefecture	Rivers	Yodogawa River	Sugaharashirokita-ohashi Bridge	Osaka City	2016/9/9	Sunny	8.1	10	70.5	Silt/sand	Ra-226	41	39	820	18	
												Tl-208	24	5.4			
												Ac-228	17	7.1			
												Bi-214	11	3.8			
												K-40	710	14			
												Pb-212	19	3.1			
71	Osaka Prefecture	Rivers	Ishikawa River	Takahashi Bridge	Tondabayashi City	2016/9/10	Sunny	0.2	10	78.8	Sand/gravel	Pb-214	9.5	3.5	780	20	
												Tl-208	18	4.4			



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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
72	Hyogo Prefecture	Rivers	Kakogawa River	Kakogawa Bridge	Kakogawa City	2016/9/6	Sunny	1.3	10	86.5	Sand/gravel	Ac-228	20	5.4	600	17	
												Bi-212	27	23			
												Bi-214	14	3.2			
												K-40	530	16			
												Pb-212	19	2.9			
												Pb-214	12	3.1			
												Tl-208	15	4.1			
73	Hyogo Prefecture	Rivers	Mukogawa River	Hyakkenbi	Takarazuka City	2016/9/7	Sunny	0.2	10	81.2	Sand/gravel	Ac-228	33	6.9	1,000	20	
												Bi-212	36	29			
												Bi-214	25	4.0			
												K-40	830	18			
												Pb-212	32	3.5			
												Pb-214	27	4.1			
												Ra-226	54	44			
Tl-208	20	5.8															
74	Hyogo Prefecture	Rivers	Maruyama River	kaminogo Bridge	Toyooka City	2016/9/5	Cloudy	0.2	10	87.7	Sand/gravel	Ac-228	20	4.5	530	19	
												Bi-212	20	15			
												Bi-214	14	2.4			
												K-40	480	13			
												Pb-212	24	2.2			
												Pb-214	18	2.5			
												Ra-226	34	27			
Tl-208	19	3.6															
75	Nara Prefecture	Rivers	Yamato River	Fujii	Oji Town	2016/9/1	Sunny	0.8	10	73.2	Sand	Ac-228	21	6.4	620	16	
												Bi-214	11	3.5			
												K-40	510	15			
												Pb-212	22	2.9			
												Pb-214	13	3.4			
												Tl-208	24	4.3			
												Ac-228	17	5.9			
Bi-214	13	3.7															
K-40	370	15															
Pb-212	21	2.6															
Pb-214	11	3.4															
Tl-208	14	4.5															
Ac-228	17	6.1	520	18													
Bi-214	12	3.5															
K-40	460	20															
Pb-212	21	3.0															
Pb-214	12	3.5															
Tl-208	17	4.5															
Ac-228	40	8.1				970	18										
Be-7	47	43															
Bi-212	55	35															
Bi-214	27	4.4															
K-40	690	23															
Pb-212	45	4.1															
Pb-214	27	5.0															
Ra-226	64	49															
Tl-208	40	6.0	710	18													
Ac-228	18	6.2															
Bi-212	31	24															
Bi-214	15	3.5															
K-40	540	20															
Pb-212	27	3.2															
Pb-214	15	3.7															
Tl-208	23	4.9															
Ac-228	13	7.0	980	18													
Bi-214	7.6	4.4															
K-40	920	16															
Pb-212	18	3.0															
Pb-214	9.8	3.8															
Tl-208	13	4.9															
Ac-228	30	6.8				830	19										
Bi-212	34	28															
Bi-214	19	4.3															
K-40	630	21															
Pb-212	27	3.6															
Pb-214	22	3.4															
Ra-226	39	37															
Tl-208	24	4.8															

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
82	Okayama Prefecture	Rivers	Asahi River	Otoite Weir	Okayama City	2016/9/3	Sunny	1.0	10	84.5	Sand	Ac-228	16	5.4	640	15	
												Bi-214	13	3.1			
												K-40	560	17			
												Pb-212	15	2.7			
												Pb-214	12	3.2			
Tl-208	10	4.6															
83	Okayama Prefecture	Rivers	Takahashi River	Kasumi Bridge	Kurashiki City	2016/8/23	Sunny	2.5	10	79.2	Sand	Ac-228	18	7.5	1,100	17	
												Bi-212	34	24			
												Bi-214	14	4.0			
												K-40	900	17			
												Pb-212	21	3.4			
Pb-214	16	3.8															
Tl-208	21	5.7															
84	Hiroshima Prefecture	Rivers	Ota River	Water purification plant intake in Hesaka	Hiroshima City	2016/8/24	Sunny	2.5	10	60.1	Silt	Ac-228	47	10	1,200	20	
												Bi-212	43	39			
												Bi-214	32	5.7			
												K-40	830	23			
												Pb-212	51	4.5			
Pb-214	36	5.2															
Tl-208	44	7.3															
85	Hiroshima Prefecture	Rivers	Ashida River	Kominomi Bridge	Fukuyama City	2016/8/22	Cloudy	0.9	10	78.9	Sand	Ac-228	14	7.6	1,200	17	
												Bi-214	9.4	3.9			
												K-40	990	17			
												Pb-212	16	3.1			
												Pb-214	13	3.2			
Tl-208	14	4.9															
86	Yamaguchi Prefecture	Rivers	Nishiki River	Water purification plant intake for the city	Iwakuni City	2016/8/25	Sunny	5.4	10	82.0	Sand	Ac-228	25	6.3	890	18	
												Bi-212	35	24			
												Bi-214	18	4.5			
												K-40	660	17			
												Pb-212	27	3.3			
Pb-214	22	3.6															
Tl-208	25	4.9															
87	Yamaguchi Prefecture	Rivers	Kotogawa River	Suenobu Bridge	Ube City	2016/8/26	Sunny	3.3	10	69.9	Silt	Ac-228	41	9.5	1,300	23	
												Bi-212	48	44			
												Bi-214	32	5.3			
												K-40	1100	24			
												Pb-212	50	4.2			
Pb-214	32	5.2															
Ra-226	57	47															
Tl-208	41	6.0															
88	Tokushima Prefecture	Rivers	Yoshino River	Takase Bridge	Ishii Town	2016/9/14	Rain	5.1	10	83.6	Sand	Ac-228	11	4.5	310	18	
												Bi-214	7.1	3.4			
												K-40	240	14			
												Pb-212	16	2.2			
												Pb-214	9.6	2.7			
Tl-208	14	4.0															
89	Tokushima Prefecture	Rivers	Nakagawa River	Nakagawa Bridge	Anan City	2016/9/15	Cloudy	3.9	10	72.9	Sand	Ac-228	33	6.3	620	18	
												Bi-212	35	29			
												Bi-214	16	3.8			
												K-40	510	20			
												Pb-212	27	3.2			
Pb-214	20	4.1															
Tl-208	26	4.5															
90	Kagawa Prefecture	Rivers	Dokigawa River	Marugame Bridge	Marugame City	2016/9/12	Sunny	0.4	10	75.5	Sand	Ac-228	25	7.4	870	17	
												Bi-214	14	4.2			
												K-40	740	19			
												Pb-212	29	3.3			
												Pb-214	17	3.8			
Tl-208	27	5.3															
91	Ehime Prefecture	Rivers	Shigenobu River	Deai Bridge	Matsuyama City	2016/9/16	Sunny	0.8	10	84.8	Gravel	Ac-228	23	7.0	910	19	
												Bi-212	35	25			
												Bi-214	15	4.3			
												K-40	750	17			
												Pb-212	29	3.3			
Pb-214	17	3.8															
Tl-208	26	5.2															
92	Ehime Prefecture	Rivers	Hijikawa River	Hijikawa Bridge	Ozu City	2016/9/17	Rain	0.7	10	84.0	Gravel	Ac-228	9.3	4.9	220	15	
												Bi-214	7.6	2.6			
												K-40	170	14			
												Pb-212	12	2.1			
												Pb-214	6.8	2.7			
Tl-208	7.9	3.5															

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
93	Kochi Prefecture	Rivers	Kagami River	Kachuzeki Weir	Kochi City	2016/10/12	Sunny	2.9	10	83.8	Gravel	Ac-228	14	3.6	420	17	
												Bi-212	27	11			
												Bi-214	13	2.0			
												K-40	340	13			
												Pb-212	17	1.6			
												Pb-214	13	1.8			
												Ra-226	39	17			
Tl-208	14	2.4															
94	Kochi Prefecture	Rivers	Niyodo River	Hatazeki Weir (1) Center of flow	Ino Town	2016/10/13	Sunny	0.5	10	94.4	Gravel	Ac-228	11	3.2	200	18	
												Bi-214	6.9	1.9			
												K-40	190	12			
												Pb-212	11	1.4			
												Pb-214	8.7	1.5			
												Ra-226	16	14			
												Tl-208	11	2.2			
95	Fukuoka Prefecture	Rivers	Onga River	Hinode Bridge	Nogata City	2016/8/22	Sunny	1.5	10	81.1	Sand	Ac-228	17	6.7	650	17	
												Bi-214	9.3	3.8			
												K-40	600	20			
												Pb-212	16	2.8			
												Pb-214	8.5	3.4			
												Tl-208	17	4.3			
												Ac-228	120	8.3			
96	Fukuoka Prefecture	Rivers	Nakagawa River	Shiobara Bridge	Fukuoka City	2016/8/23	Sunny	1.0	10	72.7	Sand	Bi-212	130	39	980	17	
												Bi-214	23	5.3			
												K-40	810	24			
												Pb-212	120	4.8			
												Pb-214	18	5.6			
												Tl-208	98	7.4			
												Ac-228	18	6.4			
97	Fukuoka Prefecture	Rivers	Chikugo River	Senoshita	Kurume City	2016/8/24	Sunny	5.6	10	66.9	Sand	Bi-214	14	3.4	570	18	
												K-40	450	18			
												Pb-212	24	2.8			
												Pb-214	15	3.4			
												Tl-208	20	5.0			
												Ac-228	24	5.3			
												Bi-212	26	22			
98	Saga Prefecture	Rivers	Kasegawa River	Kasebashi Bridge	Saga City	2016/8/25	Sunny	4.2	10	76.4	Sand	Bi-214	9.2	3.5	580	16	
												K-40	500	16			
												Pb-212	24	3.0			
												Pb-214	9.9	3.2			
												Tl-208	21	4.4			
												Ac-228	35	6.7			
												Bi-212	34	26			
99	Nagasaki Prefecture	Rivers	Honmyogawa River	In front of Tenma Park	Isahaya City	2016/8/26	Sunny	1.0	10	67.0	Sand	Bi-214	19	3.7	530	20	
												K-40	390	19			
												Pb-212	31	3.4			
												Pb-214	22	4.0			
												Tl-208	29	4.8			
												Ac-228	15	5.7			
												Bi-214	11	3.7			
100	Nagasaki Prefecture	Rivers	Urakami River	Ohashizeki Weir	Nagasaki City	2016/8/27	Sunny	1.1	10	76.8	Sand	K-40	410	18	520	17	
												Pb-212	18	2.6			
												Pb-214	14	3.0			
												Tl-208	17	3.9			
												Ac-228	28	8.2			
												Bi-214	21	4.8			
												K-40	580	22			
101	Kumamoto Prefecture	Rivers	Kikuchi River	Shiroishi	Nagomi Town	2016/8/30	Sunny	7.6	10	63.9	Silt	Pb-212	34	3.8	790	20	
												Pb-214	25	4.1			
												Tl-208	33	5.5			
												Ac-228	16	5.3			
												Bi-214	9.6	3.2			
												K-40	380	18			
												Pb-212	18	2.6			
102	Kumamoto Prefecture	Rivers	Midori River	Uesugizeki Weir	Kumamoto City	2016/8/31	Sunny	1.2	10	82.9	Sand	Pb-214	16	3.0	480	17	
												Tl-208	17	3.3			

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 $\gamma$ -ray emitting radionuclides			Total $\beta$ radioactivity		
												Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)	
103	Oita Prefecture	Rivers	Oita River	Funai-ohashi Bridge	Oita City	2016/9/10	Cloudy	1.5	10	75.9	Sand	Ac-228	22	6.5	520	18	
												Bi-214	12	3.6			
												K-40	460	20			
												Pb-212	19	2.8			
												Pb-214	16	3.2			
Tl-208	17		4.6														
104	Oita Prefecture		Ono River	Shirataki Bridge	Oita City	2016/9/11	Sunny	0.9	10	75.2	Sand	Ac-228	28	7.0	700	17	
												Bi-214	20	4.3			
												K-40	560	20			
												Pb-212	28	3.1			
												Pb-214	22	3.7			
Tl-208	22		4.7														
105	Miyazaki Prefecture		Gokase River	Miwa	Nobeoka City	2016/9/9	Sunny	1.6	10	84.0	Sand	Ac-228	27	6.7	660	18	
												Bi-212	36	2.7			
												Bi-214	22	3.3			
		K-40										470	16				
		Pb-212										28	3.4				
Pb-214	19	3.5															
Tl-208	28	4.3															
106	Miyazaki Prefecture	Oyodo River	Shinaioi Bridge	Miyazaki City	2016/9/8	Sunny	1.3	10	76.0	Sand	Ac-228	18	6.1	610	19		
											Bi-212	30	1.8				
											Bi-214	12	3.0				
											K-40	290	19				
											Pb-212	19	2.9				
Pb-214	15	3.3															
Tl-208	16	4.0															
107	Kagoshima Prefecture	Kotsuki River	Iwasaki Bridge	Kagoshima City	2016/9/5	Sunny	0.9	10	76.7	Sand	Ac-228	20	4.9	310	17		
											Bi-212	22	2.0				
											Bi-214	12	3.2				
											K-40	320	17				
											Pb-212	19	2.6				
Pb-214	9.4	3.4															
Tl-208	17	4.7															
108	Kagoshima Prefecture	Kimotsuki River	Matase Bridge	Kanoya City	2016/9/6	Rain	0.9	10	71.7	Sand	Ac-228	14	5.3	450	17		
											Bi-212	23	1.8				
											Bi-214	4.8	3.7				
											K-40	290	16				
											Pb-212	13	2.4				
Pb-214	9.3	3.1															
Tl-208	13	3.6															
109	Okinawa Prefecture	Genka River	Water intake	Nago City	2016/9/16	Sunny	0.7	10	74.1	Sand	Ac-228	26	7.0	580	20		
											Bi-212	45	2.4				
											Bi-214	16	4.1				
											K-40	490	20				
											Pb-212	31	3.4				
Pb-214	20	3.6															
Tl-208	29	4.9															
110	Okinawa Prefecture	Miyara River	Omoto water intake	Ishigaki City	2016/9/14	Sunny	1.5	10	70.2	Sand	Ac-228	20	6.9	350	19		
											Bi-214	11	4.2				
											K-40	190	3.8				
											Pb-212	19	2.8				
											Pb-214	11	3.8				
Tl-208	11	5.3															

\* This report does not contain measurement errors concerning radioactive material concentrations.

## 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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)		
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)	
1	Hokkaido Prefecture	Rivers	Ishikari River	Water purification plant intake at Ishikari River in Asahikawa City	Asahikawa City	2016/11/7	Sunny	Sandy	Bi-214	17	13	0.04	Loamy	Bi-214	16	7.8	0.04	The left riverbank of the sampling location was a cliff and sampling could not be conducted.	
K-40									310	130	K-40			570	67				
Pb-212									35	9.0	Pb-212			24	5.3				
Pb-214									26	11	Pb-214			13	7.3				
TL-208			20	17	TL-208	22	10												
2					Intake at the Shirakawa water purification plant in Sapporo City	Sapporo City	2016/10/11	Cloudy	(No sampling conducted)	-	-	-	0.05	Loamy	Bi-214	15	9.6		0.05
										K-40	400	74							
										Pb-212	19	5.4							
										Pb-214	15	7.4							
													TL-208	16	12				
3			Teshio River	Nakashibetsu Bridge (Intake at the Higashiyama water purification plant in Shibetsu City)	Shibetsu City	2016/10/12	Cloudy	Loamy	Ac-228	32	18	0.05	Loamy	Ac-228	26	15	0.06		
									Bi-214	25	9.8			Bi-214	15	9.8			
									K-40	340	98			K-40	540	87			
									Pb-212	37	7.1			Pb-212	22	6.8			
									Pb-214	25	8.6			Pb-214	19	8.3			
													TL-208	31	14				
														Ac-228	26	15			
4			Tokoro River	Tadashi Bridge	Kitami City	2016/10/13	Sunny	Sandy	Bi-214	15	8.2	0.06	Sandy	Bi-214	18	8.5	0.05		
									K-40	440	63			K-40	560	76			
									Pb-212	25	5.1			Pb-212	30	6.0			
									Pb-214	19	7.0			Pb-214	22	7.4			
									TL-208	24	10			TL-208	24	11			
5			Kushiro River	Intake at the Aikoku water purification plant in Kushiro City	Kushiro City	2016/10/14	Sunny	Loamy	Bi-214	11	7.8	0.04	Loamy	Bi-214	13	9.3	0.04		
									K-40	430	75			K-40	280	110			
									Pb-212	13	5.2			Pb-212	12	6.8			
									Pb-214	11	7.1			-	-	-			
									Cs-137	3.7	3.6			-	-	-			
6			Tokachi River	Nantai Bridge	Obihiro City	2016/10/14	Sunny	Sandy	Ac-228	25	13	0.05	Sandy	Bi-214	10	7.5	0.05		
									Bi-214	13	7.1			K-40	410	51			
									K-40	410	55			Pb-212	19	4.5			
									Pb-212	19	4.6			Pb-214	11	6.3			
									Pb-214	15	6.2			TL-208	16	9.2			
									TL-208	19	8.4			-	-	-			
7			Sarugawa River	Sarugawa Bridge (Tomigawa)	Hidaka Town	2016/10/15	Sunny	Loamy	Ac-228	26	15	0.05	Loamy	Ac-228	20	17	0.04		
									Bi-214	17	8.1			Bi-214	19	8.6			
									K-40	570	73			K-40	510	86			
									Pb-212	27	5.5			Pb-212	25	6.5			
									Pb-214	20	7.1			Pb-214	17	8.0			
									TL-208	24	11			TL-208	20	13			
8			Matsukura River	Mitsumoriashi Bridge (Before the confluence with Torasawa River)	Hakodate City	2016/8/24	Sunny	Loamy	-	-	-	0.04	Sandy	Cs-137	4.3	4.1	0.04		
									Ac-228	20	12			Bi-214	9.8	7.8			
									Bi-214	8.7	7.0			K-40	230	67			
									K-40	190	59			Pb-212	15	4.8			
									Pb-212	12	4.8			Pb-214	15	6.9			
									Pb-214	7.8	6.6			TL-208	14	10			
9			Shiribeshi-toshibetsu River	Intake at the Kitahiyama simple water plant in Kitahiyama Town	Setana Town	2016/8/23	Cloudy	Sandy	-	-	-	0.06	Loamy	Cs-137	4.6	3.9	0.06		
									Ac-228	30	15			Ac-228	32	15			
									Bi-214	18	9.3			Bi-214	18	8.9			
									K-40	630	82			K-40	500	81			
									Pb-212	23	6.1			Pb-212	31	6.0			
									Pb-214	24	7.6			Pb-214	17	7.3			
									TL-208	21	11			TL-208	25	12			
			Cs-137	4.9	3.7	-	-	-											

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)			
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)		
10	Aomori Prefecture	Rivers	Iwaki River	Tsugaru-ohashi Bridge	Nakadomari Town	2016/9/27	Cloudy	Loamy	Bi-214	17	10	0.04	Loamy	Ac-228	42	18	0.03			
K-40									280	79	Bi-214			23	10					
Pb-212	21								6.0	K-40	390			82						
Pb-214	17								7.0	Pb-212	37			6.0						
Tl-208	19								12	Pb-214	25			8.7						
-	-		-	Tl-208	24	13														
11				Mabechi River	Shiriuchi Bridge	Hachinohe City	2016/9/23	Rain	Sandy	Bi-214	11	8.9	0.04	Sandy	Ac-228	23	19	0.03		
K-40										300	72	K-40			320	88				
Pb-212	18									5.2	Pb-212	16			6.9					
Pb-214	14									7.6	Pb-214	22			8.4					
Cs-137	5.0									4.0	Cs-137	8.7			5.1					
-	-			-	Ac-228	20	17													
12				Mabechi River	Fugane Bridge	Ninohe City	2016/9/21	Sunny	Sandy	Bi-214	11	9.6	0.04	Loamy	Bi-214	12	11	0.04		
K-40										350	80	K-40			260	100				
Pb-212	23									5.4	Pb-212	19			7.2					
Pb-214	18									7.2	Pb-214	17			9.1					
Tl-208	19									11	Tl-208	22			12					
-	-			-	Cs-134	5.7	4.2													
13	Iwate Prefecture			Heigawa River	Miyako Bridge	Miyako City	2016/10/3	Cloudy	(No sampling conducted)	-	-	-	0.05	(No sampling conducted)	-	-	-	0.06	Unable to collect samples on both riverbanks due to being concrete-covered.	
-										-	-	Cs-137			31	5.5				
14					Kitakami River	Chitose Bridge	Ichinoseki City	2016/9/19	Cloudy	Loamy	Ac-228	23	16	0.05	Loamy	Bi-214	16	13	0.06	Sampling on the left bank side was conducted 10m upstream because the expansion of the field
Bi-214											11	11	K-40			410	78			
K-40	380										71	Pb-212	19			7.9				
Pb-212	22										6.0	Pb-214	14			12				
Pb-214	18	9.0									Tl-208	23	17							
Tl-208	26	11			Cs-134	60	6.3													
Cs-134	16	4.3			Cs-137	350	6.1													
Cs-137	94	4.3			-	-	-													
-	-	-			Ac-228	24	15													
15	Miyagi Prefecture				Abukuma River	Iwanuma (Abukuma Bridge)	Iwanuma City	2016/10/4	Sunny	Sandy	Bi-214	19	10	0.05	Loamy	Bi-214	13	11	0.09	
K-40			350								84	K-40	620			82				
Pb-212	22		6.7								Pb-212	31	6.8							
Pb-214	16		10	Pb-214							16	8.7								
Cs-134	46		4.3	Tl-208							17	13								
Cs-137	230		4.6	Cs-134	15	4.1														
-	-		-	Cs-137	72	4.6														
-	-		-	Ac-228	350	58														
16				Natori River	Yuriage-ohashi Bridge	Natori City	2016/10/4	Sunny	Loamy	Ac-228	26	18	0.04	Sandy	Pb-212	15	4.7	0.05		
Bi-214										14	9.7	Pb-214			9.1	6.7				
K-40	330									82	Tl-208	15			9.6					
Pb-212	14									6.4	Cs-134	3.1			2.9					
Pb-214	15	9.4								Cs-137	13	3.9								
Tl-208	16	13		-	-	-														
Cs-134	12	4.7		-	-	-														
Cs-137	59	5.2		-	-	-														

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)
17	Akita Prefecture	Rivers	Yoneshiro River	Noshiro Bridge	Noshiro City	2016/9/28	Rain	Loamy	Ac-228	47	17	0.06	(No sampling conducted)	-	-	-	0.04	Unable to collect samples on the right riverbank due to being a cliff.
									Bi-214	22	11							
									K-40	410	98							
									Pb-212	36	6.8							
									Pb-214	24	8.8							
									Tl-208	28	13							
									Cs-137	7.6	5.1							
18	Akita Prefecture	Rivers	Omono River	Kurose Bridge	Akita City	2016/10/2	Sunny	Loamy	Ac-228	25	18	0.04	Loamy	Ac-228	26	21	0.05	
									Bi-214	390	77			Bi-214	18	11		
									K-40	20	6.5			K-40	500	80		
									Pb-212	18	9.4			Pb-212	33	6.3		
									Pb-214	19	13			Pb-214	25	9.4		
									Tl-208	16	4.4			Tl-208	17	15		
									Cs-137	28	15			Bi-214	13	10		
19	Yamagata Prefecture	Rivers	Mogami River	Ryou Bridge	Sakata City	2016/9/30	Sunny	Loamy	Ac-228	17	8.6	0.04	Loamy	K-40	480	95	0.05	
									Bi-214	530	85			Pb-212	26	6.1		
									K-40	26	6.3			Pb-214	23	7.8		
									Pb-212	14	8.0			Tl-208	25	12		
									Pb-214	17	12			Cs-137	4.8	4.4		
									Tl-208	18	3.8			-	-	-		
									Cs-137	22	18			Ac-228	28	16		
20	Yamagata Prefecture	Rivers	Akagawa River	Shinkawa Bridge	Sakata City	2016/9/30	Sunny	Loamy	Bi-214	11	11	0.06	Loamy	Bi-214	15	9.2	0.05	
									K-40	530	79			K-40	530	77		
									Pb-212	23	6.4			Pb-212	36	6.1		
									Pb-214	17	8.1			Pb-214	21	8.1		
									Tl-208	22	12			Tl-208	21	13		
									-	-	-			Cs-137	5.4	5.1		
									-	-	-			Ac-228	22	19		
21	Fukushima Prefecture	Rivers	Agano River	Shingo Dam	Kitakata City	2016/9/2	Sunny	(No sampling conducted)	-	-	-	0.06	Loamy	Bi-214	18	13	0.08	Unable to collect samples on the left riverbank due to being concrete-covered.
									-	-	-			K-40	410	75		
									-	-	-			Pb-212	24	9.1		
									-	-	-			Tl-208	19	18		
									-	-	-			Cs-134	83	7.1		
									-	-	-			Cs-137	550	6.3		
									-	-	-			Ac-228	44	14		
22	Fukushima Prefecture	Rivers	Abukuma River	Taisho Bridge (Fushiguro)	Date City	2016/9/6	Sunny	Loamy	Ac-228	28	22	0.14	Sandy	Bi-214	15	12	0.27	
									K-40	520	94			K-40	670	59		
									Pb-212	37	13			Pb-212	41	6.8		
									Cs-134	270	9.6			Pb-214	18	10		
									Cs-137	1600	9.2			Tl-208	28	14		
									-	-	-			Cs-134	42	4.9		
									-	-	-			Cs-137	270	5.0		
23	Fukushima Prefecture	Rivers	Kujigawa River	Takachihara Bridge	Yamatsuri Town	2016/9/5	Sunny	Loamy	Ac-228	45	18	0.09	Loamy	Ac-228	44	19	0.09	
									Bi-214	25	13			Bi-214	31	13		
									K-40	600	87			K-40	580	79		
									Pb-212	52	8.2			Pb-212	54	8.0		
									Pb-214	25	13			Pb-214	27	11		
									Tl-208	30	18			Tl-208	51	16		
									Cs-134	42	6.4			Cs-134	35	5.5		
Cs-137	230	5.3	Cs-137	180	5.3													



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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)
24	Ibaraki Prefecture	Lake	Lake Kasumigaura	Center	Miho Village	2016/9/9	Sunny	Sandy	Ac-228	15	13	0.08	-	-	-	-		
									K-40	430	60							
									Pb-212	20	5.7							
									Pb-214	8.8	8.7							
									Tl-208	13	12							
									Cs-134	42	3.7							
									Cs-137	220	4.0							
25	Ibaraki Prefecture	Rivers	Kokai River	Fumimaki Bridge	Toride City	2016/9/12	Cloudy	Loamy	Ac-228	33	17	0.07	Loamy	Ac-228	34	18	0.08	
									Bi-214	15	12			Bi-214	13	11		
									K-40	400	80			K-40	510	76		
									Pb-212	31	7.0			Pb-212	37	5.7		
									Pb-214	21	10			Pb-214	21	8.0		
									Tl-208	20	15			Tl-208	26	12		
									Cs-134	30	5.3			Cs-137	14	3.7		
									Cs-137	190	5.3			-	-	-		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
26	Tochigi Prefecture	Rivers	Nakagawa River	Shinnaka Bridge	Nakagawa Town	2016/8/24	Cloudy	Sandy	Ac-228	26	18	0.08	Sandy	Ac-228	27	12	0.05	
									Bi-214	13	12			Bi-214	15	7.9		
									K-40	430	80			K-40	450	65		
									Pb-212	28	8.2			Pb-212	23	5.6		
									Pb-214	16	12			Pb-214	12	7.7		
									Tl-208	24	15			Tl-208	18	10		
									Cs-134	90	5.5			Cs-134	5.6	3.5		
									Cs-137	490	5.1			Cs-137	37	3.6		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
27	Gunma Prefecture	Rivers	Kinugawa River	Kinugawa Bridge (Hoshakujji Temple)	Utsunomiya City	2016/9/16	Cloudy	Sandy	Ac-228	30	14	0.08	Loamy	Ac-228	22	17	0.09	
									Bi-214	15	7.6			Bi-214	20	11		
									K-40	660	63			K-40	520	89		
									Pb-212	34	5.1			Pb-212	30	8.2		
									Pb-214	18	6.9			Pb-214	13	11		
									Tl-208	30	9.4			Tl-208	30	14		
									Cs-134	8.8	3.4			Cs-134	42	5.2		
									-	-	-			Cs-137	260	5.8		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
28	Gunma Prefecture	Rivers	Tonegawa River	Toneozeki Weir	Chiyoda Town/ Gyoda City (Saitama Prefecture)	2016/9/15	Cloudy	Loamy	Bi-214	13	11	0.05	Loamy	Ac-228	25	18	0.06	
									K-40	360	96			Bi-214	16	13		
									Pb-212	19	7.0			K-40	600	100		
									Pb-214	11	9.8			Pb-212	37	8.1		
									Tl-208	16	13			Pb-214	18	12		
									Cs-134	22	5.0			Tl-208	33	16		
									Cs-137	110	5.2			Cs-134	29	5.7		
									-	-	-			Cs-137	170	6.1		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
29	Gunma Prefecture	Rivers	Watarase River	Watarase-ohashi Bridge	Tatebayashi City	2016/9/15	Cloudy	Loamy	Ac-228	21	17	0.05	Loamy	Ac-228	41	17	0.07	
									Bi-214	17	11			Bi-214	28	12		
									K-40	290	81			K-40	560	78		
									Pb-212	30	5.9			Pb-212	38	7.4		
									Pb-214	23	8.3			Pb-214	27	11		
									Tl-208	19	13			Tl-208	41	14		
									Cs-137	25	5.1			Cs-134	26	5.3		
									-	-	-			Cs-137	140	5.2		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
									-	-	-			-	-	-		

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)
30	Saitama Prefecture	Rivers	Arakawa River	Kugebashi Bridge	Kumagaya City	2016/10/3	Rain	Loamy	Bi-214	25	13	0.06	Loamy	Ac-228	32	18	0.07	
									K-40	630	79			Bi-214	18	11		
									Pb-212	36	7.7			K-40	490	80		
									Pb-214	19	12			Pb-212	36	6.8		
									Tl-208	35	15			Pb-214	30	9.5		
									Cs-134	38	5.8			Tl-208	34	14		
									Cs-137	220	5.4			Cs-134	14	4.9		
									-	-	-			Cs-137	89	4.7		
									-	-	-			-	-	-		
31	Saitama Prefecture	Rivers	Arakawa River	Akigase Intake Weir	Saitama City/Shiki City	2016/9/13	Cloudy	Loamy	Ac-228	31	17	0.06	Loamy	Ac-228	30	20	0.06	
									Bi-214	16	11			Bi-214	20	10		
									K-40	470	90			K-40	620	90		
									Pb-212	27	7.1			Pb-212	39	7.1		
									Pb-214	19	9.6			Pb-214	25	9.4		
									Tl-208	34	13			Tl-208	28	14		
									Cs-134	15	5.1			Cs-134	12	4.1		
									Cs-137	90	4.6			Cs-137	52	5.4		
									Bi-214	14	9.1			Ac-228	25	19		
32	Saitama Prefecture	Rivers	Edogawa River	Nagareyama Bridge	Nagareyama City(Chiba Prefecture) /Misato City	2016/10/3	Cloudy	Loamy	K-40	350	79	0.06	Loamy	Ac-228	25	19	0.09	
									Pb-212	25	6.3			K-40	450	92		
									Pb-214	13	8.4			Pb-212	25	8.4		
									Tl-208	16	12			Tl-208	20	15		
									Cs-134	12	3.8			Cs-134	70	6.3		
									Cs-137	74	4.1			Cs-137	420	5.8		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
33	Saitama Prefecture	Rivers	Tonegawa River	Kakozeki Weir	Tonosho Town	2016/9/7	Cloudy	Loamy	Bi-214	420	85	0.06	Loamy	Bi-214	12	8.8	0.04	
									Pb-212	25	6.7			K-40	390	76		
									Pb-214	12	10			Pb-212	23	5.9		
									Tl-208	22	13			Pb-214	15	8.0		
									Cs-134	29	5.0			Tl-208	18	11		
									Cs-137	180	4.5			Cs-137	6.5	3.7		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
									-	-	-			-	-	-		
34	Chiba Prefecture	Rivers	Ichinomiya River	Nakano Bridge	Ichinomiya Town	2016/9/6	Sunny	Sandy	Ac-228	19	15	0.04	Sandy	K-40	420	64	0.04	
									Bi-214	13	8.8			Pb-212	18	5.5		
									K-40	430	69			Pb-214	12	7.9		
									Pb-212	18	4.9			Tl-208	19	11		
									Pb-214	21	7.1			Cs-134	10	3.8		
									Tl-208	16	9.7			Cs-137	63	3.7		
									Cs-134	7.7	4.2			-	-	-		
									Cs-137	30	4.1			-	-	-		
									-	-	-			-	-	-		
35	Saitama Prefecture	Lake	Lake Inbanuma	Lower area of water purification plant intake	Sakura City	2016/9/8	Sunny	Loamy	Ac-228	24	22	0.06	-	-	-	-		
									K-40	360	110							
									Pb-212	21	11							
									Tl-208	25	19							
									Cs-134	100	7.8							
									Cs-137	600	7.2							

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)			
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)		
36	Tokyo Metropolis	Rivers	Edogawa River	Shinkatsushika Bridge	Katsushika City	2016/10/3	Cloudy	Loamy	Ac-228	20	15	0.09	Loamy	Bi-214	13	11	0.07			
									Bi-214	21	12			K-40	420	82		Pb-212	25	7.4
									Pb-212	28	8.0			Pb-214	15	12		Pb-214	19	10
									Pb-214	15	12			Tl-208	20	15		Cs-134	37	5.2
									Tl-208	20	15			Cs-137	230	4.3		-	-	-
									Cs-134	59	5.4			-	-	-		-	-	-
									Cs-137	350	5.8			-	-	-		-	-	-
									-	-	-			-	-	-		-	-	-
37	Tokyo Metropolis	Rivers	Tamagawa River	Hajima raw water supply point	Akishima City	2016/9/5	Sunny	Loamy	Ac-228	36	16	0.07	Loamy	Ac-228	37	14	0.07			
									Bi-214	25	10			Bi-214	18	10		K-40	580	61
									K-40	670	68			Pb-212	39	5.4		Pb-214	31	7.6
									Pb-212	46	6.4			Pb-214	39	11		Tl-208	39	11
									Pb-214	30	9.0			Tl-208	39	11		Cs-137	12	4.1
									Tl-208	37	13			-	-	-		-	-	-
									Cs-134	13	4.5			-	-	-		-	-	-
									Cs-137	61	4.8			-	-	-		-	-	-
38	Tokyo Metropolis	Rivers	Sumida River	Ryogoku Bridge	Chuo City /Sumida City	2016/9/14	Cloudy	(No sampling conducted)	-	-	-	0.06	(No sampling conducted)	-	-	-	0.06	Unable to collect samples on both riverbanks due to being concrete-covered.		
39	Tokyo Metropolis	Rivers	Arakawa River	Kasai Bridge	Koto City /Edogawa City	2016/10/19	Cloudy	Sandy	Bi-214	17	14	0.08	Loamy	Bi-214	13	11	0.06			
									K-40	440	76			K-40	360	77				
									Pb-212	15	8.7			Pb-212	22	6.9				
									Tl-208	20	18			Pb-214	11	10				
									Cs-134	85	6.3			Tl-208	18	14				
									Cs-137	490	6.2			Cs-134	33	5.0				
									-	-	-			Cs-137	190	5.1				
40	Kanagawa Prefecture	Rivers	Tsurumi River	Rinko Tsurumigawa Bridge	Yokohama City	2016/9/7	Cloudy	(No sampling conducted)	-	-	-	0.05	(No sampling conducted)	-	-	-	0.05	Unable to collect samples on both riverbanks due to being concrete-covered.		
			41	Kanagawa Prefecture	Rivers	Sagami River	Banyu Bridge	Hiratsuka City	2016/9/8	Cloudy	Loamy	Bi-214	16	9.7	0.04	Loamy	Ac-228	17	16	0.04
K-40	300	86										K-40	330	83						
Pb-212	12	6.5										Pb-212	12	6.4						
Pb-214	22	8.5										Tl-208	16	11						
Cs-134	9.7	4.2										Cs-134	5.9	4.1						
Cs-137	55	4.7										Cs-137	44	3.8						
-	-	-										-	-	-						
42	Kanagawa Prefecture	Rivers	Sakawa River	Sakawa Bridge	Odawara City	2016/9/6	Sunny	Loamy	K-40	180	80	0.02	Sandy	K-40	170	69	0.02			
									Pb-212	6.6	5.1			Cs-134	4.3	3.6				
									Pb-214	11	7.4			Cs-137	26	3.1				
									Cs-137	14	4.6			-	-	-				
									Ac-228	28	18			Bi-214	18	17				
									Bi-214	11	11			K-40	410	130				
									K-40	640	75			Pb-212	35	9.2				
Pb-212	30	5.9	Pb-214	29	12															
Pb-214	21	8.4	Tl-208	29	17															
Tl-208	26	11	Cs-137	21	6.2															
Cs-137	14	4.8	-	-	-															
43	Niigata Prefecture	Rivers	Shinano River	Heisei-ohashi Bridge	Niigata City	2016/10/14	Sunny	Sandy	Ac-228	28	18	0.07	Loamy	Bi-214	18	17	0.07			
									Bi-214	11	11			K-40	410	130				
									K-40	640	75			Pb-212	35	9.2				
									Pb-212	30	5.9			Pb-214	29	12				
									Pb-214	21	8.4			Tl-208	29	17				
									Tl-208	26	11			Cs-137	21	6.2				
									Cs-137	14	4.8			-	-	-				
									Ac-228	22	20			Ac-228	37	22				
									Bi-214	16	11			Bi-214	34	14				
									K-40	550	96			K-40	560	110				
									Pb-212	33	7.0			Pb-212	51	8.6				
									Pb-214	23	9.3			Pb-214	25	12				
Tl-208	30	13	Tl-208	35	17															
-	-	-	Cs-134	12	5.4															
-	-	-	Cs-137	78	5.5															
44	Niigata Prefecture	Rivers	Agano River	Oun Bridge	Niigata City	2016/10/14	Sunny	Loamy	Ac-228	22	20	0.06	Loamy	Ac-228	37	22	0.07			
									Bi-214	16	11			Bi-214	34	14				
									K-40	550	96			K-40	560	110				
									Pb-212	33	7.0			Pb-212	51	8.6				
									Pb-214	23	9.3			Pb-214	25	12				
									Tl-208	30	13			Tl-208	35	17				
									-	-	-			Cs-134	12	5.4				
									-	-	-			Cs-137	78	5.5				

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)
45	Toyama Prefecture	Rivers	Jinzū River	Hagiura Bridge	Toyama City	2016/9/12	Sunny	Sandy	Ac-228	25	17	0.08	Sandy	Ac-228	22	19	0.07	
									Bi-214	27	9.2			Bi-214	18	9.7		
									K-40	730	69			K-40	610	74		
									Pb-212	37	5.4			Pb-212	41	6.2		
									Pb-214	29	7.9			Pb-214	27	8.4		
									Tl-208	26	13			Tl-208	34	12		
									Cs-137	4.0	3.5			-	-	-		
46	Ishikawa Prefecture	Rivers	Saigawa River	Okuwa Bridge	Kanazawa City	2016/9/9	Sunny	Sandy	Bi-214	22	11	0.06	Sandy	Ac-228	25	18	0.08	
									K-40	540	90			Bi-214	22	8.6		
									Pb-212	37	7.1			K-40	540	75		
									Pb-214	30	9.4			Pb-212	33	6.1		
									Tl-208	25	15			Pb-214	26	8.0		
									Cs-137	5.9	4.8			Tl-208	31	12		
									Ac-228	46	17			Ac-228	43	18		
47	Ishikawa Prefecture	Rivers	Tedorī River	Hakusangoguchi Dike	Hakusan City	2016/10/11	Cloudy	Sandy	Bi-214	29	9.8	0.08	Loamy	Bi-214	32	9.5	0.07	
									K-40	680	68			K-40	820	81		
									Pb-212	49	6.0			Pb-212	40	6.5		
									Pb-214	30	7.6			Pb-214	27	8.6		
									Tl-208	46	11			Tl-208	31	12		
									-	-	-			Cs-137	18	5.1		
									Ac-228	46	19			Ac-228	29	16		
48	Fukui Prefecture	Rivers	Kuzuryū River	Fuseda Bridge	Fukui City	2016/9/7	Sunny	Loamy	Bi-214	22	9.8	0.07	Loamy	Bi-214	20	9.5	0.07	
									K-40	620	81			K-40	650	60		
									Pb-212	43	5.9			Pb-212	41	5.3		
									Pb-214	21	8.0			Pb-214	26	6.5		
									Tl-208	27	12			Tl-208	23	11		
									Cs-137	5.2	4.9			-	-	-		
									Ac-228	32	16			Ac-228	46	18		
49	Fukui Prefecture	Rivers	Kitagawa River	Takatsuka Bridge	Obama City	2016/9/6	Cloudy	Loamy	Bi-214	25	9.2	0.07	Loamy	Bi-214	17	9.7	0.07	
									K-40	790	61			K-40	620	69		
									Pb-212	44	6.0			Pb-212	48	5.8		
									Pb-214	26	8.6			Pb-214	27	8.7		
									Tl-208	46	11			Tl-208	33	11		
									Cs-137	5.3	4.9			-	-	-		
									Ac-228	22	17			Ac-228	23	19		
50	Yamanashi Prefecture	Rivers	Sagami River	Katsuragawa Bridge	Uenohara City	2016/9/12	Cloudy	Loamy	Bi-214	21	8.8	0.05	Loamy	K-40	210	90	0.04	
									K-40	440	84			Pb-212	15	6.3		
									Pb-212	33	6.4			Pb-214	11	9.8		
									Pb-214	14	9.8			Cs-134	11	5.9		
									Tl-208	31	13			Cs-137	57	5.6		
									Cs-134	12	4.7			-	-	-		
									Cs-137	56	4.9			-	-	-		
51	Yamanashi Prefecture	Rivers	Fujikawa River	Nanbu Bridge	Nanbu Town	2016/10/21	Cloudy	Loamy	Bi-214	23	13	0.05	Sandy	Ac-228	24	19	0.06	
									K-40	420	100			Bi-214	17	9.9		
									Pb-212	23	7.4			K-40	560	83		
									Pb-214	22	10			Pb-212	29	6.3		
									Tl-208	23	12			Pb-214	13	8.9		
									Cs-137	9.0	4.7			Tl-208	25	12		
									-	-	-			Cs-137	14	4.3		

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)												
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)											
52			Shinano River	Ozeki Bridge	Iiyama City	2016/10/12	Sunny	Loamy	Ac-228	41	15	0.07	Loamy	Ac-228	38	17	0.07												
									Bi-214	22	9.3			Bi-214	31	12													
									K-40	680	71			K-40	560	73													
									Pb-212	38	6.1			Pb-212	41	7.9													
									Pb-214	33	8.8			Pb-214	34	12													
									Tl-208	31	12			Tl-208	41	15													
									Cs-134	22	4.2			Cs-134	21	4.9													
									Cs-137	130	4.4			Cs-137	120	5.7													
									Ac-228	41	17			Ac-228	38	14													
									Bi-214	22	10			Bi-214	21	8.4													
53	Nagano Prefecture		Saigawa River	Koichi Bridge	Nagano City	2016/10/12	Sunny	Loamy	K-40	670	78	0.08	Sandy	K-40	620	59	0.08												
									Pb-212	36	6.6			Pb-212	41	5.8													
									Pb-214	38	8.2			Pb-214	29	8.4													
									Ra-226	82	75			Tl-208	35	12													
									Tl-208	35	11			Cs-134	12	4.2													
									Cs-134	8.5	4.0			Cs-137	64	4.6													
									Cs-137	49	4.1			-	-	-													
									Ac-228	49	17			Ac-228	60	21													
									Bi-212	74	54			Bi-212	76	72													
									Bi-214	24	11			Bi-214	34	11													
54			Tenryu River	Tsutsuji Bridge	Iida City	2016/9/16	Cloudy	Loamy	K-40	580	67	0.09	Loamy	K-40	480	84	0.10												
									Pb-212	56	6.7			Pb-212	76	7.2													
									Pb-214	34	9.7			Pb-214	44	9.7													
									Tl-208	49	13			Tl-208	55	14													
									-	-	-			Cs-137	9.6	5.0													
									Ac-228	28	14			Ac-228	44	18													
									Bi-214	16	8.2			Bi-214	25	10													
									K-40	900	51			K-40	740	82													
									Pb-212	36	5.7			Pb-212	52	6.6													
									Pb-214	20	7.1			Pb-214	29	8.0													
55	Gifu Prefecture	Rivers	Kisogawa River	Tokai-ohashi Bridge (Naruto)	Kaizu City	2016/9/9	Sunny	Sandy	Tl-208	23	11	0.07	Loamy	Ra-226	89	76	0.06												
									-	-	-			Tl-208	39	13													
									-	-	-			Cs-137	7.0	5.3													
									Ac-228	62	17			Ac-228	42	16													
									Bi-214	28	12			Bi-214	27	9.3													
									K-40	770	68			K-40	550	72													
									Pb-212	66	7.7			Pb-212	34	6.1													
									Pb-214	37	10			Pb-214	21	7.5													
									Tl-208	50	14			Tl-208	31	11													
									Cs-137	7.8	5.2			-	-	-													
56			Nagara River	Tokai-ohashi Bridge	Kaizu City	2016/10/14	Sunny	Loamy	K-40	170	72	0.09	Loamy	K-40	180	69	0.05												
									Pb-212	12	5.1			Pb-212	7.1	4.7													
									Cs-137	11	4.7			Cs-137	9.7	4.3													
									Ac-228	28	18			Ac-228	35	15													
									Bi-214	18	10			Bi-212	56	53													
									K-40	590	66			Bi-214	16	10													
									Pb-212	36	5.9			K-40	570	63													
									Pb-214	19	7.9			Pb-212	37	5.4													
									Tl-208	29	11			Pb-214	23	6.8													
									Cs-137	4.1	4.1			Tl-208	28	10													
57			Kanogawa River	Kurose Bridge	Numazu City	2016/9/15	Sunny	Loamy	-	-	-	0.03	Loamy	Cs-137	12	3.6	0.03												
									Ac-228	26	14			Ac-228	31	16													
									Bi-214	16	8.1			Bi-214	19	9.3													
									K-40	550	58			K-40	560	67													
									Pb-212	30	5.1			Pb-212	29	6.1													
									Pb-214	23	6.2			Pb-214	19	8.4													
									Tl-208	22	10			Tl-208	26	12													
									Cs-137	9.3	4.2			Cs-137	16	4.5													
									58	Shizuoka Prefecture				Oigawa River	Fujimi Bridge	Yaizu City /Yoshida Town		2016/9/16	Cloudy	Sandy	Ac-228	28	18	0.07	Sandy	Ac-228	35	15	0.07
																					Bi-214	18	10			Bi-212	56	53	
K-40	590	66	Bi-214	16	10																								
Pb-212	36	5.9	K-40	570	63																								
Pb-214	19	7.9	Pb-212	37	5.4																								
Tl-208	29	11	Pb-214	23	6.8																								
Cs-137	4.1	4.1	Tl-208	28	10																								
-	-	-	Cs-137	12	3.6																								
Ac-228	26	14	Ac-228	31	16																								
Bi-214	16	8.1	Bi-214	19	9.3																								
59			Tenryu River	Kaketsuka Bridge	Iwata City /Hamamatsu City	2016/9/14	Rain	Loamy	K-40	550	58	0.06	Loamy	K-40	560	67	0.06												
									Pb-212	30	5.1			Pb-212	29	6.1													
									Pb-214	23	6.2			Pb-214	19	8.4													
									Tl-208	22	10			Tl-208	26	12													
									Cs-137	9.3	4.2			Cs-137	16	4.5													

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)				
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)			
60	Aichi Prefecture	Rivers	Shonai River	Mizuwake Bridge	Nagoya City	2016/9/12	Cloudy	Loamy	Ac-228	39	20	0.07	Loamy	Ac-228	26	17	0.07				
Bi-214									26	12	Bi-214			28	8.3						
K-40									620	76	K-40			790	67						
Pb-212									50	7.4	Pb-212			38	5.5						
Pb-214									37	9.5	Pb-214			20	7.9						
Ra-226									78	75	Tl-208			32	11						
61			Aichi Prefecture	Rivers	Yahagi River	Iwazutenjin Bridge	Okazaki City/Toyota City	2016/9/6	Cloudy	Loamy	Tl-208	38	15	0.07	Loamy	-	-	-	0.07		
Ac-228											38	16	Ac-228			35	20				
Bi-214											15	8.1	Bi-214			22	11				
K-40											770	75	K-40			610	80				
Pb-212											47	5.7	Pb-212			37	6.6				
Pb-214											19	8.7	Pb-214			25	8.6				
62	Aichi Prefecture	Rivers			Toyogawa River	Eshima Bridge	Toyokawa City	2016/10/13	Sunny	Loamy	Tl-208	42	12	0.06	Loamy	Tl-208	39	12	0.05		
Ac-228											25	16	Ac-228			40	18				
Bi-214											15	8.4	Bi-214			21	12				
K-40											420	62	K-40			480	83				
Pb-212											25	4.9	Pb-212			40	6.6				
Pb-214											11	7.7	Pb-214			30	9.4				
63			Mie Prefecture	Rivers	Suzuka River	Ogura Bridge	Yokkaichi City	2016/9/5	Rain	Loamy	Tl-208	19	11	0.09	Loamy	Tl-208	42	13	0.08		
Ac-228											6.2	4.3	Cs-137			12	4.9				
Bi-212											45	18	Ac-228			47	20				
Bi-214											72	71	Bi-212			66	64				
Bi-214											19	10	Bi-214			32	9.7				
K-40											700	74	K-40			670	70				
64	Mie Prefecture	Rivers			Miyakawa River	Watarai Bridge	Ise City	2016/8/29	Cloudy	Loamy	Pb-212	56	6.1	0.05	Loamy	Pb-212	59	6.2	0.06		
Pb-214											33	8.0	Pb-214			29	8.9				
Tl-208											43	13	Tl-208			38	14				
Ac-228											28	18	Ac-228			37	17				
Bi-214											21	11	Bi-214			33	8.0				
K-40											470	84	K-40			570	67				
65			Shiga Prefecture	Rivers	Adogawa River	Joan Bridge	Takashima City	2016/9/10	Sunny	Loamy	Pb-212	36	6.0	0.05	Loamy	Pb-212	42	5.8	0.12		
Pb-214											17	9.5	Pb-214			28	7.7				
Tl-208											35	14	Tl-208			32	11				
Ac-228											28	21	Ac-228			100	17				
Bi-214											14	12	Bi-212			110	72				
K-40											470	91	Bi-214			37	11				
66	Shiga Prefecture	Lake			Lake Biwako	Karasakioki-Chuo	-	2016/8/31	Sunny	Sandy	Pb-212	42	6.9	0.07	-	-	-	-	-		
Pb-214											25	9.7	Pb-212							100	6.5
Tl-208											30	13	Pb-214							50	8.6
Cs-137											5.7	5.1	Tl-208							80	13
Ac-228											26	15	-							-	-
Bi-214											11	8.2	-							-	-
67			Kyoto Prefecture	Rivers	Yuragawa River	Yuragawa Bridge	Maizuru City	2016/9/2	Sunny	Loamy	K-40	1000	55	0.06	Loamy	Ac-228	39	15	0.05		
Pb-212											21	5.1	Bi-214			25	9.3				
Pb-214											13	6.5	K-40			620	73				
Tl-208											16	9.6	Pb-212			33	5.4				
Ac-228											25	16	Pb-214			21	8.3				
Bi-214											23	8.3	Tl-208			25	11				
68	Kyoto Prefecture	Rivers			Katsura River	Before the confluence of three tributaries	Oyamazaki Town	2016/9/1	Sunny	Loamy	Pb-212	28	6.1	0.06	Sandy	Ac-228	25	14	0.05		
Pb-214											25	7.3	Bi-214			20	7.7				
Tl-208											30	11	K-40			830	60				
Ac-228											38	20	Pb-212			30	5.1				
Bi-214											25	10	Pb-214			22	6.4				
K-40											780	86	Tl-208			24	11				

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)
69	Osaka Prefecture	Rivers	Inagawa River	Gunko Bridge	Itami City (Hyogo Prefecture)	2016/9/8	Cloudy	Loamy	Ac-228	67	16	0.10	Sandy	Ac-228	77	17	0.12	
									Bi-212	66	63			Bi-214	51	8.5		
									Bi-214	29	7.5			K-40	1100	61		
									K-40	860	73			Pb-212	93	6.4		
									Pb-212	69	6.0			Pb-214	55	7.5		
									Pb-214	44	7.5			Ra-226	100	78		
									Ra-226	91	70			Tl-208	91	11		
									Tl-208	55	12			-	-	-		
									Ac-228	41	19			Ac-228	52	16		
									Bi-214	25	10			Bi-214	24	9.1		
70	Osaka Prefecture	Rivers	Yodogawa River	Sugaharashirokita-ohashi Bridge	Osaka City	2016/9/9	Sunny	Loamy	K-40	780	78	0.07	Loamy	K-40	680	75	0.08	
									Pb-212	43	5.9			Pb-212	52	5.8		
									Pb-214	20	9.0			Pb-214	30	7.9		
									Ra-226	98	83			Tl-208	41	13		
									Tl-208	27	13			-	-	-		
									Ac-228	49	15			Ac-228	32	16		
									Bi-214	18	11			Bi-214	16	8.9		
									K-40	660	75			K-40	630	76		
									Pb-212	49	5.6			Pb-212	40	6.0		
									Pb-214	24	7.0			Pb-214	25	7.0		
71	Osaka Prefecture	Rivers	Ishikawa River	Takahashi Bridge	Tondabayashi City	2016/9/10	Sunny	Loamy	Tl-208	46	11	0.08	Loamy	Tl-208	35	12	0.08	
									Ac-228	37	15			Ac-228	34	15		
									Bi-214	26	9.1			Bi-214	22	8.9		
									K-40	610	68			K-40	650	65		
									Pb-212	50	5.5			Pb-212	44	5.4		
									Pb-214	37	7.5			Pb-214	29	7.4		
									Ra-226	80	62			Ra-226	57	57		
									Tl-208	35	10			Tl-208	39	11		
									Ac-228	61	17			Ac-228	91	16		
									Bi-212	89	58			Bi-212	160	61		
72	Osaka Prefecture	Rivers	Kakogawa River	Kakogawa Bridge	Kakogawa City	2016/9/6	Sunny	Loamy	Bi-214	54	9.2	0.09	Loamy	Bi-214	57	9.1	0.06	
									K-40	950	62			K-40	1000	64		
									Pb-212	83	5.8			Pb-212	110	7.1		
									Pb-214	54	7.4			Pb-214	64	8.7		
									Ra-226	130	69			Tl-208	92	13		
									Tl-208	72	11			-	-	-		
									Ac-228	80	17			Ac-228	34	16		
									Bi-214	100	60			Bi-214	32	8.2		
									Bi-214	46	8.7			K-40	590	77		
									K-40	970	67			Pb-212	40	5.6		
73	Hyogo Prefecture	Rivers	Mukogawa River	Hyakkenbi	Takarazuka City	2016/9/7	Sunny	Loamy	Pb-212	95	6.4	0.10	Loamy	Pb-214	30	7.6	0.12	
									Pb-214	53	7.7			Tl-208	23	12		
									Ra-226	91	77			-	-	-		
									Tl-208	83	12			-	-	-		
									Ac-228	31	17			Ac-228	29	16		
									Bi-214	16	10			Bi-214	19	10		
									K-40	560	80			K-40	510	77		
									Pb-212	34	6.4			Pb-212	26	6.3		
									Pb-214	20	8.5			Pb-214	21	7.6		
									Tl-208	32	11			Tl-208	17	11		
74	Nara Prefecture	Rivers	Maruyama River	kaminogo Bridge	Toyooka City	2016/9/5	Cloudy	Sandy	Ac-228	41	16	0.06	Sandy	Ac-228	28	13	0.06	
									Bi-214	29	10			Bi-214	11	7.3		
									K-40	600	75			K-40	570	52		
									Pb-212	34	6.7			Pb-212	29	4.6		
									Pb-214	26	8.7			Pb-214	18	6.3		
									Tl-208	29	13			Tl-208	26	8.8		

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)		
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)	
77	Wakayama Prefecture	Rivers	Kinokawa River	Shinrokkaizeki Weir	Wakayama City	2016/9/6	Cloudy	Sandy	Ac-228	32	18	0.05	Sandy	Ac-228	33	17	0.05		
									Bi-214	22	9.1			Bi-214	17	10			
								K-40	620	73			K-40	630	78				
								Pb-212	37	6.1			Pb-212	42	6.1				
								Pb-214	21	7.8			Pb-214	26	7.5				
								Tl-208	31	12			Tl-208	32	13				
78			Kumano River	Kumano-ohashi Bridge	Shingu City	2016/10/4	Rain	(No sampling conducted)	-	-	-	0.08	(No sampling conducted)	-	-	-	0.08	Unable to collect samples on both riverbanks due to no soil riverbed.	
79	Tottori Prefecture		Sendai River	Gyotoku	Tottori City	2016/9/2	Sunny	Loamy	Ac-228	46	20	0.08	Loamy	Ac-228	76	19	0.09		
								Bi-214	28	10			Bi-214	96	71				
								K-40	740	83			K-40	44	10				
								Pb-212	55	6.5			Pb-212	920	81				
								Pb-214	32	9.5			Pb-214	87	7.3				
								Tl-208	45	14			Pb-214	34	10				
80	Shimane Prefecture	Rivers	Hiikawa River	Kandatsu Bridge	Izumo City	2016/9/1	Sunny	Loamy	-	-	-	0.06	Loamy	Tl-208	76	15	0.07		
										Ac-228	36		18		Ac-228	40			14
								Bi-214	31	10			Bi-214	32	8.5				
								K-40	650	75			K-40	740	78				
								Pb-212	41	5.9			Pb-212	38	6.0				
								Pb-214	25	8.9			Pb-214	27	7.4				
81			Gonokawa River	Sakurae-ohashi Bridge	Gotsu City	2016/9/1	Sunny	Loamy	Tl-208	34	13	0.08	Loamy	Tl-208	25	12	0.06		
								Ac-228	56	19			Ac-228	38	14				
								Bi-214	28	11			Bi-214	16	9.1				
								K-40	720	95			K-40	660	73				
								Pb-212	50	6.9			Pb-212	36	5.4				
								Pb-214	29	9.7			Pb-214	21	6.9				
								Ra-226	100	81			Tl-208	31	11				
								Tl-208	41	13			-	-	-				
								Cs-137	6.0	4.8			-	-	-				
								Ac-228	39	14			Ac-228	56	17				
82	Okayama Prefecture	Rivers	Asahi River	Otoite Weir	Okayama City	2016/9/3	Sunny	Loamy	Bi-214	24	9.8	0.08	Loamy	Bi-214	68	51	0.08		
										K-40	930		57		Bi-214	21			8.1
								Pb-212	43	6.5			K-40	870	65				
								Pb-214	35	7.5			Pb-212	50	7.0				
								Tl-208	39	10			Pb-214	28	9.0				
								-	-	-			Tl-208	46	12				
83			Takahashi River	Kasumi Bridge	Kurashiki City	2016/8/23	Sunny	Loamy	Ac-228	58	18	0.09	Loamy	Ac-228	54	19	0.08		
								Bi-212	75	71			Bi-214	27	11				
								Bi-214	29	8.7			K-40	780	83				
								K-40	980	71			Pb-212	51	6.9				
								Pb-212	67	6.6			Pb-214	31	9.5				
								Pb-214	42	8.2			Tl-208	40	13				
84	Hiroshima Prefecture	Rivers	Ota River	Water purification plant intake in Hesaka	Hiroshima City	2016/8/24	Sunny	Loamy	Tl-208	48	12	0.09	Sandy	-	-	-	0.11		
										Ac-228	51		15		Ac-228	35			12
								Bi-214	27	9.2			Bi-212	56	46				
								K-40	810	69			Bi-214	21	7.6				
								Pb-212	60	5.9			K-40	1000	52				
								Pb-214	28	8.9			Pb-212	49	5.2				
								Ra-226	76	69			Pb-214	28	7.2				
								Tl-208	41	13			Ra-226	77	63				
								-	-	-			Tl-208	37	11				
								Ac-228	49	13			Ac-228	63	15				
85			Ashida River	Kominomi Bridge	Fukuyama City	2016/8/22	Cloudy	Loamy	Bi-214	78	56	0.07	Loamy	Bi-212	67	56	0.09		
								Bi-214	23	9.1			Bi-214	34	9.1				
								K-40	820	69			K-40	790	67				
								Pb-212	52	5.6			Pb-212	62	5.8				
								Pb-214	26	7.1			Pb-214	37	6.8				
								Tl-208	38	11			Tl-208	51	10				



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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)
86	Yamaguchi Prefecture	Rivers	Nishiki River	Water purification plant intake for the city	Iwakuni City	2016/8/25	Sunny	Loamy	Ac-228	68	14	0.10	Loamy	Ac-228	120	16	0.11	
									Bi-212	82	59			Bi-212	130	57		
87	Tokushima Prefecture	Rivers	Kotogawa River	Suenobu Bridge	Ube City	2016/8/26	Sunny	Sandy	Bi-214	31	10	0.11	Sandy	Bi-214	47	8.8	0.11	
									K-40	800	62			K-40	990	58		
88	Tokushima Prefecture	Rivers	Yoshino River	Takase Bridge	Ishii Town	2016/9/14	Rain	Loamy	Pb-212	67	6.3	0.06	Loamy	Pb-212	120	6.9	0.07	
									Pb-214	32	8.9			Pb-214	43	8.8		
89	Kagawa Prefecture	Rivers	Nakagawa River	Nakagawa Bridge	Anan City	2016/9/15	Cloudy	Loamy	Tl-208	47	12	0.06	Loamy	Ra-226	110	72	0.06	
									-	-	-			Tl-208	92	12		
90	Ehime Prefecture	Rivers	Dokigawa River	Marugame Bridge	Marugame City	2016/9/12	Sunny	Sandy	Ac-228	88	19	0.08	Loamy	Ac-228	47	16	0.08	
									Bi-212	80	73			Bi-212	71	54		
91	Ehime Prefecture	Rivers	Shigenobu River	Deai Bridge	Matsuyama City	2016/9/16	Sunny	Loamy	Bi-214	48	11	0.08	Loamy	Bi-214	29	10	0.08	
									K-40	870	73			K-40	500	67		
92	Kochi Prefecture	Rivers	Hijikawa River	Hijikawa Bridge	Ozu City	2016/9/17	Rain	Loamy	Pb-212	91	6.7	0.03	Loamy	Pb-212	57	6.0	0.07	
									Pb-214	56	9.8			Pb-214	32	8.6		
93	Kochi Prefecture	Rivers	Kagami River	Kachuzeki Weir	Kochi City	2016/10/12	Sunny	Loamy	Tl-208	78	13	0.04	Loamy	Ra-226	80	71	0.05	
									-	-	-			Tl-208	58	11		
94	Kochi Prefecture	Rivers	Niyodo River	Hatazeki Weir (1) Center of flow	Ino Town	2016/10/13	Sunny	Loamy	Ac-228	40	18	0.06	Loamy	Ac-228	34	19	0.05	
									Bi-214	20	9.9			Bi-214	19	11		

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)
95	Fukuoka Prefecture	Rivers	Onga River	Hinode Bridge	Nogata City	2016/8/22	Sunny	Loamy	Ac-228	44	19	0.06	Loamy	Ac-228	45	18	0.06	
									Bi-214	25	10			Bi-214	27	10		
									K-40	440	82			K-40	670	81		
									Pb-212	46	6.7			Pb-212	50	6.5		
									Pb-214	28	9.0			Pb-214	31	8.6		
									Tl-208	45	13			Tl-208	40	15		
96	Fukuoka Prefecture	Rivers	Nakagawa River	Shiobara Bridge	Fukuoka City	2016/8/23	Sunny	Sandy	Ac-228	83	19	0.08	Sandy	Ac-228	62	16	0.09	
									Bi-212	87	66			Bi-212	85	64		
									Bi-214	17	11			Bi-214	11	8.8		
									K-40	800	70			K-40	860	73		
									Pb-212	90	6.7			Pb-212	72	6.2		
									Pb-214	18	9.3			Pb-214	22	8.2		
97	Fukuoka Prefecture	Rivers	Chikugo River	Senoshita	Kurume City	2016/8/24	Sunny	Sandy	Ac-228	33	13	0.05	Sandy	Ac-228	35	17	0.06	
									Bi-214	21	7.2			Bi-214	11	9.7		
									K-40	650	70			K-40	530	82		
									Pb-212	34	5.3			Pb-212	31	6.2		
									Pb-214	13	7.3			Pb-214	23	7.7		
									Tl-208	21	12			Tl-208	22	13		
98	Saga Prefecture	Rivers	Kasegawa River	Kasebashi Bridge	Saga City	2016/8/25	Sunny	Sandy	Ac-228	20	18	0.06	Loamy	Ac-228	29	19	0.05	
									Bi-214	17	12			Bi-214	23	8.3		
									K-40	580	89			K-40	610	76		
									Pb-212	34	6.9			Pb-212	32	6.1		
									Pb-214	21	9.2			Pb-214	19	8.1		
									Tl-208	28	13			Tl-208	21	13		
99	Nagasaki Prefecture	Rivers	Honmyogawa River	In front of Tenma Park	Isahaya City	2016/8/26	Sunny	Loamy	Ac-228	36	18	0.06	Loamy	Ac-228	34	17	0.07	
									Bi-214	20	10			Bi-214	22	10		
									K-40	360	73			K-40	360	86		
									Pb-212	40	6.1			Pb-212	35	6.7		
									Pb-214	23	8.3			Pb-214	22	8.8		
									Tl-208	29	12			Tl-208	29	13		
100	Nagasaki Prefecture	Rivers	Urakami River	Ohashizeki Weir	Nagasaki City	2016/8/27	Sunny	Sandy	Ac-228	16	16	0.05	Loamy	K-40	330	79	0.06	
									Bi-214	9.4	9.2			Pb-212	24	5.6		
									K-40	500	81			Pb-214	11	7.7		
									Pb-212	24	5.2			Tl-208	19	11		
									Tl-208	20	10			-	-	-		
									-	-	-			-	-	-		
101	Kumamoto Prefecture	Rivers	Kikuchi River	Shiroishi	Nagomi Town	2016/8/30	Sunny	Loamy	Ac-228	54	20	0.07	Loamy	Ac-228	32	16	0.05	
									Bi-214	23	11			Bi-214	11	10		
									K-40	700	84			K-40	760	76		
									Pb-212	53	6.5			Pb-212	27	6.1		
									Pb-214	23	8.8			Pb-214	19	8.2		
									Tl-208	42	14			Tl-208	18	12		
102	Kumamoto Prefecture	Rivers	Midori River	Uesugizeki Weir	Kumamoto City	2016/8/31	Sunny	Sandy	Ac-228	42	14	0.06	Loamy	Ac-228	26	18	0.06	
									Bi-212	53	53			Bi-214	18	11		
									Bi-214	23	9.8			K-40	500	97		
									K-40	560	79			Pb-212	33	7.2		
									Pb-212	38	5.9			Pb-214	23	10		
									Pb-214	21	8.6			Ra-226	83	80		
Tl-208	32	12	Tl-208	39	15													

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 $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)	Property	Detected $\gamma$ -ray emitting radionuclides			Ambient dose rate ( $\mu$ Sv/h)												
									Radionuclides	Measured values (Bq/kg-dry)	Detection limits (Bq/kg-dry)			Radionuclides	Measured values (Bq/kg-dry)			Detection limits (Bq/kg-dry)											
103	Oita Prefecture	Rivers	Oita River	Funai-ohashi Bridge	Oita City	2016/9/10	Cloudy	Loamy	Ac-228	28	19	0.05	Loamy	Ac-228	36	21	0.06												
Bi-214									15	10	Bi-214			24	12														
K-40	370								83	K-40	480			92															
Pb-212	26								6.1	Pb-212	36			7.1															
Pb-214	18								8.7	Pb-214	27			9.7															
Tl-208	19								14	Tl-208	27			15															
104	Oita Prefecture		Rivers	Ono River	Shirataki Bridge	Oita City	2016/9/11	Sunny	Loamy	Ac-228	28	15	0.06	Loamy	Ac-228	32	19	0.05											
Bi-214										15	8.3	Bi-214			20	8.9													
K-40	560									65	K-40	500			72														
Pb-212	27									5.4	Pb-212	32			5.9														
Pb-214	17	7.4								Pb-214	27	8.1																	
Tl-208	17	11								Tl-208	40	13																	
105	Miyazaki Prefecture	Rivers		Gokase River	Miwa	Nobeoka City	2016/9/9	Sunny	Loamy	Ac-228	33	19	0.07	Loamy	Ac-228	54	17	0.06											
Bi-214										24	12	Bi-214			20	10													
K-40	660									88	K-40	590			82														
Pb-212	51									7.2	Pb-212	46			6.3														
Pb-214	37		9.5							Pb-214	23	8.9																	
Tl-208	35		15							Ra-226	63	62																	
106	Miyazaki Prefecture		Rivers	Oyodo River	Shinaioi Bridge	Miyazaki City	2016/9/8	Sunny	Loamy	-	-	-	0.06	Loamy	Tl-208	34	12	0.06											
Ac-228										45	21	Ac-228			35	19													
Bi-214	33									11	Bi-214	19			12														
K-40	540									100	K-40	520			100														
Pb-212	44	7.4								Pb-212	38	7.2																	
Pb-214	28	10								Pb-214	27	10																	
107	Kagoshima Prefecture	Rivers		Kotsuki River	Iwasaki Bridge	Kagoshima City	2016/9/5	Sunny	(No sampling conducted)	-	-	-	0.06	(No sampling conducted)	-	-	-	0.05	Unable to collect samples on both riverbanks due to being concrete-covered.										
108										Kagoshima Prefecture	Rivers	Kimotsuki River			Matase Bridge	Kanoya City	2016/9/6			Rain	Loamy	Ac-228	28	25	0.05	Loamy	Ac-228	37	19
Bi-214	29																					13	Bi-212	72			68		
K-40	490									130												Bi-214	31	12					
Pb-212	43		9.0							K-40												490	92						
Pb-214	26		12							Pb-212												48	6.6						
Tl-208	34		16	Pb-214	37	9.3																							
109	Okinawa Prefecture		Rivers	Genka River	Water intake	Nago City	2016/9/16	Sunny	Loamy	-		-	-	0.04	Loamy	Tl-208	43	15	0.04										
Ac-228										47		18	Ac-228			34	17												
Bi-212	78									56		Bi-214	22			9.4													
Bi-214	21	9.4								K-40		500	84																
K-40	620	87								Pb-212	45	6.4																	
Pb-212	55	6.8								Pb-214	24	7.6																	
110	Okinawa Prefecture	Rivers		Miyara River	Omoto water intake	Ishigaki City	2016/9/14	Sunny	Loamy	Pb-214	22	9.2	0.05	Loamy	Tl-208	29	12	0.04											
Tl-208										45	13	-			-	-													
Ac-228	47									18	Bi-214	11			8.4														
Bi-214	33									9.5	K-40	200			68														
K-40	630		78							Pb-212	20	5.2																	
Pb-212	50		6.6							Pb-214	12	8.1																	
Pb-214	41		9.3	-	-	-																							
Tl-208	37		13	-	-	-																							

\*This report does not contain measurement errors concerning radioactive material concentrations.

## 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	70.0	Deep well	2016/8/22	>100	32.6	<1	<1	K-40	0.11	0.035	0.065	0.028	0.06	
2		Nagayama	asahikawa City	8.32	Shallow well	2016/8/22	>100	15.8	<1	<1	K-40	0.099	0.034	0.086	0.024	0.04	
3	Aomori Prefecture	Shinmachi	Aomori City	600	unknown	2016/9/26	>100	18.3	<1	<1	K-40	0.050	0.040	0.027	0.027	0.06	
4		Kamisukimachi	Hirosaki City	unknown	unknown	2016/9/26	>100	25.5	<1	<1	K-40	0.11	0.025	0.11	0.025	0.07	
5	Iwate Prefecture	Motomiya	Morioka City	unknown	Shallow well	2016/9/21	>100	25.4	<1	<1	K-40	0.054	0.031	0.071	0.027	0.05	
6		Shinmachi	Kamaishi City	10	Shallow well	2016/9/20	>100	12.5	<1	<1	-	-	-	ND	0.026	0.06	
7	Miyagi Prefecture	Honcho,Aoba Ward	Sendai City	250	Deep well	2016/9/16	>100	40.1	<1	<1	K-40	0.085	0.044	0.11	0.030	0.07	
8		Seki	Shichikasyuku Town	15	Shallow well	2016/9/15	>100	17.8	<1	<1	K-40	0.12	0.026	0.075	0.024	0.08	
9	Akita Prefecture	Niiyaji	Daisen City	20~25	Shallow well	2016/9/29	>100	18.9	<1	<1	K-40	0.032	0.027	0.053	0.026	0.06	
10		Wakigami	Kitaakita City	9.16	Shallow well	2016/9/28	>100	19.9	<1	<1	K-40	0.041	0.039	0.040	0.027	0.04	
11	Yamagata Prefecture	Hatagomachi	Yamagata City	150	Deep well	2016/9/14	>100	20.3	<1	<1	-	-	-	ND	0.027	0.08	
12		Torigoe	Shinjo City	unknown	Deep well	2016/9/13	31	31.7	7	14	K-40	0.085	0.041	0.077	0.026	0.04	Groundwater after filtration treatment
13	Fukushima Prefecture	Asahi	Koriyama City	60	unknown	2016/9/6	58	22.3	14	24	K-40	0.095	0.048	0.078	0.028	0.21	
14		Kouzashimachi	Aizuwakamatu City	6.5	Shallow well	2016/9/2	>100	13.7	<1	<1	K-40	0.060	0.032	0.038	0.026	0.11	
15	Ibaraki Prefecture	Kenkyugakuen	Tsukuba City	120	Deep well	2016/9/12	>100	13.2	<1	<1	K-40	0.11	0.033	0.10	0.026	0.07	
16		Higashiohashi	Ishioka City	200	Deep well	2016/9/13	>100	23.7	<1	<1	K-40	0.064	0.032	0.095	0.027	0.14	
17		Hanawa	Ami Town	35	Deep well	2016/9/13	>100	21.5	<1	<1	K-40	0.12	0.026	0.13	0.028	0.13	Groundwater after chlorine treatment
18	Tochigi Prefecture	Machida	Shimotsuke City	130	Deep well	2016/8/25	>100	32.1	<1	<1	K-40	0.046	0.036	0.042	0.028	0.05	
19		Honcho	Otawara City	40	Deep well	2016/8/24	>100	11.2	<1	<1	K-40	0.058	0.048	0.035	0.024	0.13	
20		Tomonuma	Nogi Town	150	Deep well	2016/8/23	>100	21.2	<1	<1	-	-	-	ND	0.026	0.07	
21	Gunma Prefecture	Shikishimacho	Maebashi City	120	Deep well	2016/8/24	>100	29.2	<1	<1	K-40	0.086	0.048	0.063	0.027	0.05	
22		Hosoyacho	Ota City	150	Deep well	2016/8/24	>100	16.1	<1	<1	K-40	0.071	0.035	0.033	0.027	0.07	
23		Isemachi	Nakanoyo Town	5~6	unknown	2016/8/25	>100	23.6	<1	<1	K-40	0.29	0.041	0.26	0.025	0.05	

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)		
24	Saitama Prefecture	Mikura,Minuma Ward	Saitama City	300	Deep well	2016/8/29	>100	17.6	<1	<1	K-40	0.053	0.044	0.095	0.026	0.06	
25		Miyamotocho	Tokorozawa City	250~300	Deep well	2016/8/30	>100	13.8	<1	<1	-	-	-	0.045	0.026	0.05	
26		Hanasakikita	Kazo City	220	Deep well	2016/8/31	>100	24.5	<1	<1	K-40	0.15	0.038	0.099	0.028	0.06	
27	Chiba Prefecture	Funato	Kashiwa City	150	unknown	2016/9/5	>100	20.2	<1	<1	K-40	0.086	0.038	0.070	0.025	0.11	
28		Kaneda	Chousei Village	15.20	Shallow well	2016/9/6	>100	35.0	<1	<1	K-40	0.21	0.042	0.18	0.027	0.04	
29		Higashikuniyosi	Ichihara City	100	Deep well	2016/9/5	>100	19.2	<1	<1	K-40	0.065	0.048	0.046	0.027	0.04	
30	Tokyo Metropolis	Kajinocho	Koganei City	80	unknown	2016/9/2	>100	18.4	1	1	-	-	-	0.029	0.025	0.04	
31		Nakahara	Higashiyamato City	35	Shallow well	2016/9/2	>100	35.0	7	4	K-40	0.037	0.025	0.043	0.027	0.05	
32	Kanagawa Prefecture	Imaizumi	Hadano City	22.7	Deep well	2016/9/7	>100	21.4	<1	<1	K-40	0.032	0.031	0.028	0.027	0.03	
33		Sagamigaoka	Zama City	19	Shallow well	2016/9/6	>100	23.2	2	<1	-	-	-	ND	0.028	0.06	
34	Niigata Prefecture	Nagata,Chuo Ward	Niigata City	6	Shallow well	2016/8/30	>100	67.2	1	1	K-40	0.34	0.043	0.27	0.029	0.08	
35		Muramatkou	Gosen City	60	Deep well	2016/8/29	12	9.5	55	40	K-40	0.060	0.022	0.14	0.028	0.08	
											Pb-212	0.0020	0.0016				
											Pb-214	0.0026	0.0023				
36		Akibacho	Tsubame City	120	Deep well	2016/8/29	>100	117	37	49	Ac-228	0.015	0.0091	0.31	0.037	0.06	
											K-40	0.35	0.054				
43	Yamanashi Prefecture	Saijyoshinden	Showa Town	85	Deep well	2016/9/9	>100	17.5	<1	<1	K-40	0.091	0.021	0.079	0.026	0.06	
44		Ono	Yamanashi City	150	Deep well	2016/9/12	>100	24.6	<1	<1	K-40	0.054	0.030	0.070	0.027	0.06	
51	Shizuoka Prefecture	Hara	Numazu City	200	Deep well	2016/9/15	>100	9.1	<1	<1	-	-	-	0.028	0.024	0.04	
52		Iwamoto	Fuji City	unknown	Deep well	2016/9/16	>100	15.4	<1	<1	K-40	0.056	0.048	0.076	0.026	0.04	
53		Kurihara, Suruga Ward	Shizuoka City	unknown	Deep well	2016/9/14	>100	22.2	<1	<1	K-40	0.051	0.040	0.053	0.027	0.05	
37	Toyama Prefecture	Funahashikitamachi	Toyama City	unknown	unknown	2016/9/13	>100	23.3	1	1	K-40	0.075	0.029	0.054	0.028	0.09	
38		Saiwaicho	Tonami City	100	unknown	2016/9/12	>100	16.0	<1	<1	K-40	0.036	0.029	0.041	0.024	0.09	
39	Ishikawa Prefecture	Kuramitsu	Hakusan City	120	Deep well	2016/9/8	>100	29.2	<1	<1	K-40	0.041	0.024	0.049	0.027	0.07	
40		A.Sahimachi	Hakui City	unknown	Deep well	2016/9/9	>100	52.1	<1	<1	K-40	0.13	0.025	0.15	0.029	0.07	

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)		
41	Fukui Prefecture	Ote	Fukui City	unknown	Deep well	2016/9/7	>100	28.2	<1	<1	-	-	-	0.039	0.028	0.10	
42		Hachiman	Echizen City	unknown	Shallow well	2016/9/6	>100	9.8	<1	<1	K-40	0.031	0.020	0.050	0.024	0.08	
45	Nagano Prefecture	Tsurugamidoricho	Nagano City	110	Deep well	2016/9/14	>100	44.9	<1	<1	K-40	0.10	0.051	0.095	0.029	0.05	
46		Omachi	Omachi City	unknown	Deep well	2016/9/15	>100	8.5	<1	<1	K-40	0.036	0.018	0.032	0.026	0.12	
47		Nishiharuchika	Ina City	unknown	Deep well	2016/9/16	>100	14.6	<1	<1	K-40	0.048	0.022	0.056	0.024	0.07	
48	Gifu Prefecture	Kanoshimizucho	Gifu City	19.81	Shallow well	2016/9/8	>100	10.2	<1	<1	K-40	0.073	0.017	0.048	0.025	0.06	
49		Nakasakuramachi	Kakamigahara City	34.00	Deep well	2016/9/8	55	19.7	4	3	K-40	0.10	0.033	0.10	0.026	0.09	
50		Kawaicho	Hida City	unknown	Deep well	2016/9/7	>100	30.6	<1	<1	K-40	0.022	0.021	0.032	0.028	0.07	
54	Aichi Prefecture	Kawaharatori,Showa Ward	Nagoya City	unknown	Deep well	2016/9/12	>100	6.6	<1	<1	K-40	0.15	0.025	0.14	0.024	0.09	
55		Okucho	Ichinomiya City	unknown	Deep well	2016/9/6	>100	24.8	<1	<1	K-40	0.049	0.027	0.044	0.027	0.08	
56		Hiraicho	Toyokawa City	unknown	Deep well	2016/9/13	>100	13.8	<1	<1	K-40	0.075	0.022	0.077	0.026	0.06	
57	Mie Prefecture	Inouchi	Suzuka City	unknown	Deep well	2016/9/5	>100	14.4	5	13	K-40	0.13	0.054	0.074	0.026	0.07	
58		Toyoharacho	Matsusaka City	10	Shallow well	2016/8/29	>100	11.4	<1	<1	K-40	0.051	0.026	ND	0.026	0.05	
59		Nakazucho	Ise City	13.00	Shallow well	2016/8/29	>100	10.1	<1	<1	K-40	0.051	0.019	0.038	0.024	0.07	
60	Shiga Prefecture	Miyakecho	Moriyama City	20~30	Deep well	2016/8/29	>100	23.5	<1	<1	K-40	0.040	0.031	0.030	0.026	0.09	
61		Shiori	Maibara City	unknown	unknown	2016/8/30	>100	24.5	<1	<1	K-40	0.029	0.027	ND	0.027	0.08	
62		Nakagawara	Taga Town	100	Deep well	206/8/29	>100	25.3	<1	<1	-	-	-	0.027	0.025	0.06	
63	Kyoto Prefecture	Kamihonnojimaecho, Nakagyo Ward	Kyoto City	100	Deep well	2016/9/1	>100	13.1	<1	<1	K-40	0.069	0.017	0.046	0.026	0.08	
64		toududouden	Yawata City	29.60	Shallow well	2016/9/2	>100	16.0	14	70	K-40	0.063	0.033	0.051	0.028	0.07	
65	Osaka Prefecture	Daisennakamachi, Sakai Ward	Sakai City	181	Deep well	2016/9/9	>100	38.2	1	1	K-40	0.43	0.037	0.34	0.026	0.07	
66		Koyamotomachi	Neyagawa City	150	Deep well	2016/9/8	>100	31.9	1	2	K-40	0.26	0.034	0.22	0.027	0.06	

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)		
67	Hyogo Prefecture	Kuchisakai	Itami City	29.14	Shallow well	2016/9/7	>100	31.4	19	58	K-40	0.14	0.038	0.11	0.028	0.08	
68		Saiwaicho	Toyooka City	41.65	Deep well	2016/9/5	26	53.9	27	16	K-40	0.45	0.032	0.37	0.028	0.08	
69		Ibocho	Tatsuno City	10	unknown	2016/9/6	>100	17.4	<1	<1	K-40	0.052	0.023	0.048	0.026	0.08	
70	Nara Prefecture	Sakyo	Nara City	82.5	Deep well	2016/8/31	>100	23.5	4	4	Bi-214	0.0069	0.0046	0.074	0.028	0.05	
71											Arisatocho	Ikoma City	71				
72	Wakayama Prefecture	Takano	Kinokawa City	9.5	unknown	2016/9/6	>100	21.1	<1	1	-	-	-	ND	0.026	0.07	
73		Ichiya	Nachikatsuura Town	9.70	unknown	2016/9/7	>100	36.0	<1	1	Bi-214	0.0040	0.0033	0.086	0.029	0.09	
74	Tottori Prefecture	Saiwaicho	Tottori City	24.00	Deep well	2016/8/30	>100	67.7	3	1	K-40	0.16	0.045				
75	Shimane Prefecture	Kobayashi	Hoki Town	90	Deep well	2016/8/31	>100	5.2	<1	<1	K-40	0.039	0.028	0.039	0.025	0.06	
76		Nishikawatsucho	Matsue City	100	Deep well	2016/8/30	>100	54.6	<1	<1	K-40	0.11	0.039	0.082	0.031	0.08	
77	Himebara (2)	Izumo City	20	unknown	2017/2/14	>100	114	3	6	K-40	0.56	0.038	0.54	0.038	0.07		
78	Okayama Prefecture	Fukui	Kurashiki City	13.1	Shallow well	2016/8/23	>100	67.4	<1	<1	K-40	0.16	0.032	0.15	0.029	0.09	
79		Sasakacho	Ibara City	15	Shallow well	2016/8/29	>100	20.0	<1	<1	K-40	0.057	0.025	0.040	0.027	0.10	
80	Hiroshima Prefecture	Kamienocho, Aki Ward	Hiroshima City	30	Deep well	2016/8/24	>100	6.6	<1	<1	-	-	-	0.080	0.025	0.12	
81		Shimonocho	Takehara City	12.98	Shallow well	2016/8/22	>100	11.9	<1	<1	K-40	0.048	0.027	0.062	0.026	0.10	
82	Yamaguchi Prefecture	Ouchimihori	Yamaguchi City	20	unknown	2016/8/26	>100	15.1	<1	<1	K-40	0.066	0.024	0.077	0.026	0.13	
83		Syuutoumachisimokubara	Iwakuni City	unknown	Shallow well	2016/8/25	>100	6.8	<1	<1	K-40	0.033	0.022	0.030	0.024	0.09	
84	Tokushima Prefecture	Fudohoncho	Tokushima City	25.7	Deep well	2016/9/14	>100	15.0	<1	<1	-	-	-	ND	0.026	0.09	
85		Kamojimachoyougejima	Yoshinogawa City	21.15	Shallow well	2016/9/13	>100	12.7	<1	<1	K-40	0.031	0.023	0.034	0.026	0.07	
86	Kagawa Prefecture	Bancho	Takamatsu City	6	Shallow well	2016/9/13	>100	39.6	<1	<1	K-40	0.19	0.038	0.17	0.026	0.09	
87		Kanakuracho	Marugame City	40	Deep well	2016/9/12	>100	36.1	3	<1	K-40	0.060	0.040	0.062	0.028	0.10	Groundwater after chlorine treatment



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)		
88	Ehime Prefecture	Hiramachi	Matsuyama City	50	Deep well	2016/9/5	>100	41.1	5	10	K-40	0.035	0.027	ND	0.029	0.09	
89		Nishikoizumi	Masaki Town	14.12	Shallow well	2016/9/16	>100	19.2	<1	<1	K-40	0.062	0.020	0.045	0.025	0.08	
90		Kubotacho	Niihama City	42	Deep well	2016/9/16	>100	13.0	<1	<1	K-40	0.050	0.018	0.047	0.025	0.10	
91	Kochi Prefecture	Kerako	Kochi City	8	Shallow well	2016/10/12	>100	15.0	<1	<1	K-40	0.048	0.019	0.033	0.025	0.05	
92		Hakawa	Ino Town	8	Shallow well	2016/10/13	>100	14.7	<1	<1	K-40	0.040	0.019	0.030	0.026	0.06	
93	Fukuoka Prefecture	Tanushimurumachiakinari	Kurume City	30	Shallow well	2016/8/23	>100	24.0	3	1	K-40	0.18	0.035	0.12	0.026	0.05	
94		Setakamachishimonosyou	Miyama City	20	Shallow well	2016/8/29	>100	31.2	30	117	K-40	0.27	0.032	0.20	0.028	0.05	
95	Saga Prefecture	Yamatohonijiji	Saga City	100	Deep well	2016/8/24	>100	17.2	<1	<1	K-40	0.034	0.030	ND	0.027	0.05	
96		Kyuragimachiamagawa	Karatsu City	32.0	Deep well	2016/8/25	>100	12.5	<1	<1	-	-	-	0.028	0.024	0.05	
97	Nagasaki Prefecture	Eidamachi	Isahaya City	132	Deep well	2016/8/26	>100	21.9	<1	<1	K-40	0.11	0.035	0.088	0.027	0.06	
98		Mitsushimamachi	Tsushima City	120	Deep well	2016/9/2	>100	14.5	<1	<1	-	-	-	ND	0.024	0.06	
99	Kumamoto Prefecture	Suizenji, Chuo Ward	Kumamoto City	55.5	Deep well	2016/8/31	>100	22.9	<1	<1	K-40	0.14	0.038	0.10	0.026	0.04	
100		Hanegi	Tamana City	100	Deep well	2016/8/30	>100	50.6	<1	<1	K-40	0.25	0.042	0.22	0.030	0.07	
101		Koga	Yamaga City	12	Shallow well	2016/8/29	>100	18.6	<1	<1	K-40	0.21	0.044	0.14	0.025	0.04	
102	Oita Prefecture	Kamioka	Saiki City	35	Deep well	2016/9/12	>100	14.1	<1	<1	K-40	0.043	0.025	0.027	0.026	0.05	
103		Tamarai	Taketa City	5.7	unknown	2016/9/12	>100	16.5	<1	<1	K-40	0.18	0.047	0.10	0.027	0.06	
104	Miyazaki Prefecture	Minamiyokoichicho	Miyakonojo City	130	Deep well	2016/9/7	>100	12.0	<1	<1	-	-	-	ND	0.027	0.05	
105		Minaminishikata	Kobayashi City	unknown	unknown	2016/9/7	>100	18.2	<1	<1	K-40	0.12	0.041	0.075	0.025	0.05	
106		yamasakichohamayama	Miyazaki City	12.5	Shallow well	2016/9/8	>100	12.5	<1	<1	-	-	-	0.060	0.026	0.04	
107	Kagoshima Prefecture	Tamazatocho	Kagoshima City	70	Deep well	2016/9/5	>100	21.4	<1	<1	K-40	0.19	0.039	0.13	0.028	0.07	
108		Kokubukawahara	Kirishima City	208	Deep well	2016/9/6	>100	13.0	<1	<1	K-40	0.068	0.052	0.080	0.026	0.07	
109	Okinawa Prefecture	Hirarahigashinakasonezoe	Miyakojima City	unknown	unknown	2016/9/15	>100	71.0	<1	<1	-	-	-	0.038	0.031	0.06	
110		Namizato	Motobu City	unknown	unknown	2016/9/16	>100	42.6	<1	<1	K-40	0.030	0.023	ND	0.029	0.04	

\* This report does not contain measurement errors concerning radioactive material concentrations.