

## **Results of the FY2021 Analysis of Radioactive Strontium**

The analysis of radioactive strontium was conducted for locations where activity concentrations of radioactive cesium in sediments were relatively high.

As a result, activity concentrations of Sr-90 were in the range of not detectable to 8.0 Bq/kg(dry).

Location					Sampling Date	Sediment						
						General items(see above)			Activity concentration [Bq/kg(dry)]			
Radioactive cesium (see above)			Radioactive Strontium									
Prefecture	Water Body/Point				Sample length (cm)	Sediment content(%)	Property	Cs-134	Cs-137	Total	Sr-90	
Miyagi	River	42	Abukuma River	Abukuma-ohashi Bridge (Iwanuma)	2021/9/22	5	73.0	Sand	10	390	400	0.45 ± 0.087
					2021/10/18	6	47.9	Silt/sand	88	2,600	2,688	0.46 ± 0.091
	Lake and reservoirs	58	Lake Amanuma	Lake exit	2021/12/13	5	24.7	Silt	120	3200	3320	0.95 ± 0.12
					2021/8/5	5	35.1	Silt	49	1,000	1,049	0.56 ± 0.093
					2021/10/8	8	35.1	Silt	<10	200	200	0.80 ± 0.13
Fukushima	River	14	Ota River	Masuda Bridge	2021/5/18	3	86.2	Sand/gravel	12	330	342	0.46 ± 0.11
					2021/10/17	5	82.1	Sand/gravel	<10	180	180	0.34 ± 0.074
		20	Ukedo River	Murohara Bridge	2021/8/29	5	81.9	Gravel/sand	45	1,400	1,445	0.34 ± 0.099
					2021/11/13	5	80.9	Gravel/sand	31	1,100	1,131	0.54 ± 0.088
		106	Kyu-yukawa River	Awanomiya Bridge	2021/8/30	5	33.4	Silt	13	330	343	0.52 ± 0.11
					2021/11/23	5	40.2	Silt	14	320	334	0.58 ± 0.099
		126	Matsugabo Dam (Lake Utagawa)		2021/6/14	7	33.4	Silt	150	4,000	4,150	0.95 ± 0.13
					2021/10/5	5	32.1	Silt	120	3,200	3,320	1.3 ± 0.17
	128	Soso (farm pond)	Ainosawa	2021/8/10	5	59.4	Silt/sand	350	9,400	9,750	1.0 ± 0.12	
				2021/10/13	5	25.0	Silt	1,900	55,000	56,900	3.2 ± 0.20	
	129	Ganbe Dam Reservoir		2021/8/18	5	34.4	Silt/sand	370	12,000	12,370	1.1 ± 0.13	
				2021/11/2	5	24.0	Silt	460	14,000	14,460	2.0 ± 0.17	
	130	Soso (farm pond)	Fugane Dam	2021/5/18	5	47.9	Silt	500	13,000	13,500	3.3 ± 0.25	
	131		Sasatoge	2021/8/10	3	15.8	Silt	880	25,000	25,880	2.8 ± 0.18	
	132	Takanokura Dam Reservoir		2021/6/16	4	36.5	Silt	270	6,300	6,570	3.8 ± 0.21	
				2021/11/29	6	35.4	Silt	260	6,900	7,160	4.9 ± 0.24	
	133	Yokokawa Dam Reservoir		2021/11/24	4	45.1	Sand/silt	460	14,000	14,460	3.7 ± 0.19	
	138	Soso (farm pond)	Koakuto	2021/8/31	5	52.1	Silt/sand	930	25,000	25,930	1.7 ± 0.14	
				2021/10/14	5	52.2	Silt/sand	510	15,000	15,510	1.1 ± 0.14	
	141	Ogaki Dam		2021/9/15	5	26.7	Silt	2,300	63,000	65,300	7.9 ± 0.37	
				2021/11/12	5	24.5	Silt	1,900	52,000	53,900	5.4 ± 0.30	
	145		Joroku	2021/6/12	5	67.7	Sand/silt	590	18,000	18,590	2.7 ± 0.26	
				2021/11/15	5	38.9	Sand	450	16,000	16,450	5.0 ± 0.25	
	147	Soso (farm pond)	Sawairi No. 1	2021/8/31	5	21.8	Silt	8,900	240,000	248,900	8.0 ± 0.62	
				2021/11/24	5	28.8	Silt	4,800	140,000	144,800	6.3 ± 0.46	
	148		Suzunai No. 4	2021/6/12	5	62.2	Sand/gravel	1,400	37,000	38,400	2.6 ± 0.24	
				2021/10/11	5	35.8	Silt/sand	3,300	94,000	97,300	3.8 ± 0.26	
	155		Kamisigeoka No. 1	2021/6/12	5	48.8	Silt	540	13,000	13,540	0.99 ± 0.12	
158	Kido Dam		2021/6/17	8	29.9	Silt	40	1,500	1,540	1.7 ± 0.18		
			2021/12/17	5	25.4	Silt	120	3,100	3,220	1.8 ± 0.16		
169	Kenchu (farm pond)	Honokusa	2021/6/19	5	23.6	Sand/silt	920	22,000	22,920	2.6 ± 0.18		
175	Hokkawa Dam		2021/6/17	7	22.5	Silt	79	2,500	2,579	2.1 ± 0.17		
			2021/12/21	4	20.6	Silt	160	4,900	5,060	1.2 ± 0.14		

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Prefecture	Water Body/Point				Sample length (cm)	Sediment content(%)	Property	Cs-134	Cs-137	Total	Sr-90	
Ibaraki	River	34	Shinkawa River	Shinten Bridge	2021/8/3	10	22.8	Silt	14	450	464	0.78 ± 0.12
					2021/11/18	10	23.8	Silt	11	360	371	0.78 ± 0.13
		36	Bizen River	Bizengawa Bridge	2021/5/28	3	66.0	Silt/sand	17	770	787	<0.20
	2021/11/18				2	73.8	Sand/silt	20	590	610	0.43 ± 0.10	
	Lake and reservoirs	59	Lake Kasumigaura	Center	2021/8/23	8	16.4	Silt	12	350	362	1.1 ± 0.14
					2021/11/1	8	16.7	Silt	<10	330	330	0.61 ± 0.13
		65	Lake Ushikunuma	Center of Lake Ushikunuma	2021/8/28	8	23.3	Silt	19	410	429	0.73 ± 0.11
2021/11/30	8				17.9	Silt	20	500	520	0.88 ± 0.13		
Tochigi	Lake and reservoirs	60	Ikari Dam Reservoir	Center	2021/8/23	5	38.9	Silt	<10	150	150	0.58 ± 0.099
					2021/12/16	5	34.0	Silt	<10	130	130	0.90 ± 0.12
		63	Lake Chuzenji	Center	2021/5/31	8	13.2	Silt	59.0	1,400	1,459	1.0 ± 0.14
					2021/11/18	10	12.6	Silt	22	1,000	1,022	0.62 ± 0.13
Gunma	Lake and reservoirs	49	Lake Okutone (Yagisawa Dam)	Center	2021/5/14	4	32.5	Silt	53	1,200	1,253	1.4 ± 0.15
					2021/8/26	5	26.2	Silt	61	1,800	1,861	1.4 ± 0.18
		50	Lake Naramata (Naramata Dam)	Center	2021/10/7	5	30.8	Silt	60	1,600	1,660	1.1 ± 0.13
					2021/10/8	7	19.0	Silt	33	1,000	1,033	0.64 ± 0.12
		54	Lake Tanbara (Tanbara Dam)	Center	2021/8/6	10	26.4	Silt	340	9,300	9,640	1.7 ± 0.18
					2021/10/11	10	24.6	Silt	290	8,600	8,890	1.7 ± 0.15
		57	Lake Akagionuma	Center	2021/5/17	5	12.9	Silt	61	1,700	1,761	1.5 ± 0.15
2021/10/22	10				15.1	Silt	24	1,100	1,124	1.4 ± 0.15		
61	Lake Haruna	Center	2021/10/13	8	8.8	Silt	53	1,900	1,953	1.2 ± 0.20		
Chiba	River	1	Shogen River	Fukama-ohashi Bridge	2021/5/10	2	73.2	Silt/sand	42	990	1,032	<0.22
					2021/5/26	3	65.5	Silt	17	600	617	<0.18
		8	Ohori River	Kitakashiwa Bridge	2021/11/16	6	68.2	Sand/silt	32	790	822	<0.30
					2021/5/26	3	48.9	Silt	30	660	690	<0.17
		10	Otsu River	Kaminuma Bridge	2021/11/16	4	78.4	Sand	<10	270	270	<0.25
					2021/8/30	3	39.4	Silt	27	720	747	0.43 ± 0.084
	26	Toneunga Canal	Unga Bridge	2021/11/25	3	40.1	Silt/sand	30	840	870	0.48 ± 0.10	
				2021/8/30	7	53.6	Silt/sand	60	1,700	1,760	0.47 ± 0.088	
	Lake and reservoirs	54	Lake Teganuma	Center area of Teganuma	2021/6/18	10	24.1	Silt	24	660	684	0.39 ± 0.082
					2021/12/20	10	23.9	Silt	19	580	599	0.37 ± 0.095
55		Lake Teganuma	Nedoshita	2021/6/18	10	30.5	Silt	61	1,600	1,661	0.31 ± 0.098	
				2021/12/20	6	31.8	Silt	50	1,500	1,550	0.58 ± 0.13	