

Results of the FY2023 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 ranged from 0.42 to 11Bq/kg(dry).

Location					Sampling Date	Sediment						
						General items(see above)			Activity concentration [Bq/kg(dry)]			
									Radioactive cesium (see above)			Radioactive strontium
Prefecture	Segment	No.	Water Area/Location			Sample length (cm)	Sediment content(%)	Property	Cs-134	Cs-137	Total	Sr-90
Fukushima	River	20	Ukedo River	Murohara Bridge	2023/5/31	3	73.1	Gravel/sand	56	2,600	2,656	0.80 ± 0.11
					2023/12/19	4	85.7	Gravel/sand	22	1,200	1,222	0.63 ± 0.10
	Lakes and Reservoirs	126	Matsugabo Dam (Lake Utagawa)		2023/5/29	5	19.3	Silt	200	7,800	8,000	1.2 ± 0.16
					2023/12/14	5	24.7	Silt	50	3,000	3,050	1.6 ± 0.14
		128	Soso (farm pond)	Ainosawa	2023/5/9	5	31.3	Silt/sand	960	39,000	39,960	2.8 ± 0.18
					2023/10/5	5	22.7	Silt	370	21,000	21,370	1.8 ± 0.16
		129	Ganbe Dam Reservoir		2023/5/9	5	25.2	Silt	270	12,000	12,270	2.2 ± 0.18
					2023/10/11	4	23.5	Silt	210	11,000	11,210	1.3 ± 0.14
		130	Soso (farm pond)	Fugane Dam	2023/5/12	5	28.6	Sand/silt	210	10,000	10,210	1.9 ± 0.15
					2023/12/5	3	63.0	Sand/silt	360	20,000	20,360	3.4 ± 0.21
		132	Takanokura Dam Reservoir		2023/8/2	5	37.8	Silt	150	6,400	6,550	4.1 ± 0.24
					2023/10/13	5	36.7	Silt	100	6,100	6,200	3.7 ± 0.20
		133	Yokokawa Dam Reservoir		2023/11/10	5	41.4	Silt	220	12,000	12,220	3.7 ± 0.21
		138	Soso (farm pond)	Koakuto	2023/5/17	3	33.3	Silt/sand	780	36,000	36,780	1.6 ± 0.14
		141	Ogaki Dam		2023/7/31	5	27.4	Silt	1,200	59,000	60,200	9.6 ± 0.71
					2023/11/17	5	27.6	Silt	1,700	88,000	89,700	11 ± 0.42
		145		Joroku	2023/8/24	3	54.8	Silt/sand	830	43,000	43,830	11 ± 0.45
					2023/10/11	3	46.0	Silt/sand	330	21,000	21,330	4.1 ± 0.26
		147	Soso (farm pond)	Sawairi No. 1	2023/8/28	3	30.6	Silt	2,500	120,000	122,500	6.8 ± 0.61
					2023/12/18	4	26.6	Silt	3,000	160,000	163,000	4.5 ± 0.38
		148		Suzunai No. 4	2023/5/30	4	33.0	Silt	1,000	54,000	55,000	2.5 ± 0.17
					2023/12/18	5	29.2	Silt	1,000	55,000	56,000	2.1 ± 0.18
		158	Kido Dam		2023/7/31	5	29.8	Silt	46	2,100	2,146	1.5 ± 0.16
					2023/11/24	4	31.4	Silt	32	1,400	1,432	1.8 ± 0.15
		175	Hokkawa Dam		2023/8/4	5	24.0	Silt	82	3,700	3,782	1.5 ± 0.15
					2023/10/27	5	26.0	Silt	69	3,500	3,569	1.7 ± 0.14
Gunma	Lakes and Reservoirs	50	Lake Naramata (Naramata Dam)	Center	2023/5/8	4	24.6	Silt	38	1,300	1,338	1.4 ± 0.17
					2023/11/14	5	24.5	Silt	24	1,300	1,324	1.6 ± 0.16
					2023/5/22	5	23.8	Silt	49	1,600	1,649	1.2 ± 0.15
		54	Lake Tanbara (Tanbara Dam)	Center	2023/10/31	5	24.5	Silt	51	2,900	2,951	1.7 ± 0.17
					2023/8/1	5	13.6	Silt	46	1,700	1,746	1.5 ± 0.19
		57	Lake Akagionuma	Center	2023/11/14	5	13.5	Silt	35	1,400	1,435	1.5 ± 0.18
					2023/8/7	5	7.9	Silt	19	1,000	1,019	1.3 ± 0.25
Chiba	Lakes and Reservoirs	54	Lake Teganuma	Center area of Teganuma	2023/12/11	10	34.4	Silt	20	1,200	1,220	0.42 ± 0.098
		55	Lake Teganuma	Nedoshita	2023/9/21	10	31.4	Silt	30	1,300	1,330	0.84 ± 0.13