

## **Results of the FY2020 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 9.8 Bq/kg(dry).

Location		Sampling Date	Sediment										
			General items(see above)			Activity concentration [Bq/kg(dry)]							
Prefecture	Water Body/Point		Sample length (cm)	Sediment content (%)	Property	Radioactive cesium(see above)			Radioactive Strontium				
						Cs-134	Cs-137	Total	Sr-90				
Miyagi	River	Abukuma River	Abukuma-ohashi Bridge(Iwanuma)	2020/8/12	3	65.4	Sand/silt	18	410	428	<0.31		
	Lake and reservoirs	Shichikasyuku Dam	Dam site	2020/12/13	3	75.2	Sand/silt	22	560	582	0.29 ± 0.086		
				2020/8/25	5	43.9	Silt	15	290	305	0.51 ± 0.11		
				2020/10/14	7	39.7	Silt	42	810	852	0.81 ± 0.13		
Fukushima	River	Ota River	Masuda Bridge	2020/8/26	3	87.6	Sand/gravel/silt	13	250	263	<0.29		
				2020/11/27	5	77.9	Sand/gravel	<10	230	230	<0.25		
		Ukedo River	Murohara Bridge	2020/7/10	5	80.2	Sand	64	1,200	1,264	<0.32		
				2020/11/24	5	81.1	Gravel/sand	59	1,200	1,259	<0.28		
		Kyu-yukawa River	Awanomiya Bridge	2020/8/28	3	53.5	Silt	15	230	245	0.36 ± 0.10		
				2020/10/3	5	53.7	Silt	14	290	304	0.43 ± 0.092		
	Lake and reservoirs	Matsugabo Dam(Lake Utagawa)			2020/8/17	10	43.0	Silt	57	1,100	1,157	0.37 ± 0.099	
					2020/11/18	10	35.1	Silt	70	1,400	1,470	0.88 ± 0.12	
		Soso(farm pond)	Ainosawa	2020/8/21	5	55.2	Silt/sand	960	17,000	17,960	1.6 ± 0.15		
				2020/11/22	5	40.5	Silt	820	18,000	18,820	2.0 ± 0.16		
		Ganbe Dam Reservoir			2020/8/21	5	57.9	Silt/sand/gravel	840	17,000	17,840	1.3 ± 0.14	
					2020/10/20	3	32.7	Silt	630	13,000	13,630	1.4 ± 0.18	
		Soso(farm pond)	Fugane Dam	2020/8/11	5	45.7	Silt	720	14,000	14,720	4.0 ± 0.21		
				2020/8/13	8	35.9	Silt	310	6,600	6,910	6.0 ± 0.26		
		Takanokura Dam Reservoir			2020/10/13	8	36.7	Silt	380	5,700	6,080	5.7 ± 0.25	
					2020/12/13	5	49.9	Silt/sand	440	10,000	10,440	0.58 ± 0.10	
		Ogaki Dam			2020/7/12	10	30.8	Silt	5,000	89,000	94,000	8.8 ± 0.33	
					2020/12/13	10	28.3	Silt	3,600	74,000	77,600	9.8 ± 0.39	
		Soso(farm pond)	Heigoiri			2020/10/15	5	20.0	Silt/sand	1,400	25,000	26,400	5.0 ± 0.26
						2020/8/14	5	50.0	Silt/sand/gravel	480	11,000	11,480	2.5 ± 0.17
			Joroku			2020/12/17	5	56.4	Sand/gravel/silt	450	11,000	11,450	1.9 ± 0.16
						2020/8/25	5	22.7	Silt	4,600	88,000	92,600	5.3 ± 0.26
			Sawairi No.1			2020/12/16	5	33.1	Silt	6,500	130,000	136,500	6.2 ± 0.27
						2020/8/25	5	54.9	Silt	3,600	66,000	69,600	3.0 ± 0.20
		Suzunai No.4			2020/10/19	3	51.1	Sand/silt	5,500	110,000	115,500	4.1 ± 0.23	
					2020/8/18	5	52.1	Silt/sand	750	14,000	14,750	1.1 ± 0.14	
		Nisihaguro			2020/11/25	5	55.4	Sand/silt	890	20,000	20,890	2.3 ± 0.17	
					2020/8/3	7	42.3	Silt/sand	73	1,100	1,173	0.96 ± 0.14	
		Kido Dam				2020/10/13	8	39.0	Silt	67	1,300	1,367	1.7 ± 0.16
		Kenpoku(farm pond)	Oike			2020/11/25	3	32.9	Silt/sand	590	13,000	13,590	1.7 ± 0.16
Hokkawa Dam				2020/8/12	8	31.1	Silt	160	3,000	3,160	1.3 ± 0.13		
				2020/11/6	8	29.0	Silt	130	2,300	2,430	1.9 ± 0.16		