

Results of the FY2017 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 22Bq/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 Prefecture	River	Abukuma River	Abukuma-ohashi Bridge (Iwanuma)	2017/4/26	3	37.3	Sand/silt	85	630	715	0.76	
				2017/10/14	5	70.1	Sand	12	100	112	<-0.39	
	Lake and reservoirs	Sounoseki Dam	Dam site	2017/8/18	5	16.3	Silt	150	1,100	1,250	0.82	
				2017/10/22	5	17.5	Silt	120	980	1,100	1.2	
		Lake Amanuma	Lake exit	2017/8/24	3	56.1	Sand/gravel/silt	140	1,100	1,240	<-0.32	
				2017/8/29	5	30.1	Silt	250	2,100	2,350	0.86	
		Shichikasyuku Dam	Dam site	2017/10/17	5	30.1	Silt	210	1,700	1,910	0.88	
				2017/5/25	5	15.6	Silt	140	930	1,070	0.64	
	Lake Bagyunuma	Lake exit	2017/12/10	3	53.6	Sand	100	930	1,030	0.43		
			2017/5/25	6	70.5	Sand	14	91	105	<-0.28		
	Coastal area	Offshore of Abukuma River Estuary	2017/10/10	5	71.2	Sand	10	63	73	<-0.34		
			2017/6/7	3	74.5	Silt/sand	13	100	113	<-0.28		
Fukushima Prefecture	Rivers	Manogawa River	Majima Bridge	2017/12/4	5	53.3	Sand/silt	29	240	269	<-0.41	
				2017/8/15	3	59.5	Sand/silt	340	2,700	3,040	<-0.35	
		Ota River	Masuda Bridge	2017/10/19	3	40.5	Silt/sand	430	3,600	4,030	<-0.25	
				2017/8/11	3	79.1	Gravel/sand	560	4,500	5,060	<-0.43	
		Ukedo River	Murohara Bridge	2017/11/5	2	74.3	Sand/gravel	720	6,000	6,720	<-0.32	
				2017/8/4	3	49.6	Sand/silt	64	440	504	<-0.33	
		Abukuma River	Taisho Bridge	2017/10/9	3	77.6	Gravel/sand	22	150	172	<-0.28	
				2017/5/10	3	36.5	Silt	64	520	584	0.32	
		Kyu-yukawa River	Awanomiya Bridge	2017/12/3	3	45.4	Silt/sand	28	320	348	<-0.51	
				2017/8/10	8	20.1	Silt	1,000	8,500	9,500	1.5	
		Lake and reservoirs	Matsugabo Dam (Lake Utagawa)		2017/12/15	10	19.8	Silt	980	8,000	8,980	1.3
					2017/5/14	3	26.0	Silt/sand	9,100	64,000	73,100	4.6
	Soso (farm pond)		Ainosawa	2017/10/13	3	40.5	Silt/sand	2,100	17,000	19,100	2.7	
				2017/6/10	10	27.2	Silt	5,500	38,000	43,500	3.2	
	Ganbe Dam Reservoir			2017/10/21	10	30.7	Silt/sand/gravel	4,200	34,000	38,200	2.7	
				2017/5/10	5	39.2	Silt/sand	2,200	16,000	18,200	3.2	
	Soso (farm pond)		Fugane Dam	Sasatoge	2017/10/21	3	32.8	Silt/sand	2,200	18,000	20,200	1.9
					2017/6/6	10	30.0	Silt	2,500	18,000	20,500	6.3
	Takanokura Dam Reservoir			2017/12/18	10	37.8	Silt	3,100	25,000	28,100	7.0	
				2017/6/6	6	48.1	Silt/sand	3,400	23,000	26,400	4.5	
	Yokokawa Dam Reservoir			2017/10/18	7	34.4	Silt/sand	2,800	21,000	23,800	4.4	
				2017/12/19	3	25.5	Silt	7,400	60,000	67,400	4.4	
	Soso (farm pond)		Koakuto	Yosouchi	2017/12/17	3	24.6	Silt	3,500	28,000	31,500	6.0
					2017/5/17	8	31.2	Silt	20,000	140,000	160,000	12
	Ogaki Dam			2017/11/5	3	68.0	Sand/silt	3,300	26,000	29,300	3.5	
				2017/6/19	3	26.4	Silt/sand	4,800	35,000	39,800	3.7	
	Soso (farm pond)		Heigoiri		2017/10/12	5	16.7	Silt	6,800	52,000	58,800	6.6
					2017/5/18	3	54.8	Silt/sand	2,800	22,000	24,800	4.1
			Mekurasawa No. 2		2017/10/27	5	60.4	Silt/sand	1,100	9,700	10,800	3.6
					2017/6/11	3	61.0	Silt/sand	1,900	13,000	14,900	4.4
			Joroku		2017/10/9	3	41.8	Sand/silt	2,500	23,000	25,500	5.4
					2017/8/24	5	19.5	Silt	38,000	270,000	308,000	20
			Sawairi No. 1		2017/10/20	3	24.8	Silt/sand	41,000	320,000	361,000	22
					2017/5/29	5	43.8	Silt	9,300	61,000	70,300	2.3
			Suzunai No. 4		2017/10/28	5	40.1	Silt	8,800	68,000	76,800	3.1
					2017/5/29	3	58.1	Silt/sand	2,800	19,000	21,800	0.77
	Nishihaguro			2017/12/20	3	68.2	Silt/sand	970	7,500	8,470	0.56	
				2017/6/9	10	21.7	Silt	1,700	12,000	13,700	3.0	
	Sakashita Dam			2017/12/13	10	25.1	Silt	950	8,500	9,450	2.6	
				2017/6/22	5	52.6	Sand/silt/gravel	2,200	15,000	17,200	1.1	
	Soso (farm pond)		Yonomori	2017/12/14	3	50.7	Silt/sand	2,300	18,000	20,300	2.0	
				2017/8/6	3	29.1	Silt/sand	1,700	12,000	13,700	1.3	
	Soso (farm pond)		Kamisiyocoka No. 1	2017/12/12	3	27.9	Silt/sand	1,600	13,000	14,600	1.4	
				2017/6/12	5	27.3	Silt	1,200	7,800	9,000	1.9	
	Kido Dam			2017/12/15	5	26.2	Silt	540	4,600	5,140	1.8	
				2017/5/10	5	28.7	Silt	710	5,400	6,110	1.3	
	Hokkawa Dam		2017/12/7	5	26.8	Silt	550	4,700	5,250	1.3		

Prefecture	Location	Water Body/Point	Sampling Date	Sediment							
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				Sample length (cm)	Sediment content (%)	Property	Radioactive cesium (see above)		Radioactive Strontium		
			Cs-134	Cs-137	Total	Sr-90					
Fukushima Prefecture	Coastal areas	Neighboring sea area of Soso Approx. 2,000 m offshore of Tsurushihama Fishing Port	2017/9/7	5	79.5	Sand	<0.45	1.2	1.2	<0.32	
			2017/12/6	5	72.8	Sand	<0.66	1.9	1.9	<0.37	
		Matsukawaura sea area Around center of Fishing Right Area-1	2017/8/4	5	68.7	Sand/silt	11	98	109	<0.30	
			2017/11/2	3	73.7	Sand/silt	6.3	49	55.3	<0.42	
		Neighboring sea area of Soso Approx. 2,000 m offshore of Manogawa River	2017/8/23	7	73.2	Sand	<3.5	15	15	<0.25	
			2017/11/6	5	74.0	Sand	<5.5	14	14	<0.29	
		Neighboring sea area of Haramachi-shi Approx. 1,000 m offshore of Niida River	2017/7/6	5	72.0	Sand	12	87	99	<0.39	
			2017/11/6	5	73.9	Sand	9.0	63	72.0	<0.41	
		Neighboring sea area of Haramachi-shi Approx. 1,000 m offshore of Otagawa River	2017/5/29	5	73.0	Sand	4.2	22	26.2	<0.31	
			2017/12/8	5	71.9	Sand	6.4	36	42.4	<0.26	
		Neighboring sea area of Soso District Approx. 1,000 m offshore of Odaka River	2017/6/14	5	71.0	Sand	5.0	33	38.0	<0.34	
			2017/10/6	5	73.3	Sand	7.6	38	45.6	<0.31	
		Neighboring sea area of Soso District Approx. 2,000 m offshore of Ukedo River	2017/5/31	5	73.3	Sand	22	170	192	<0.34	
			2017/10/6	5	66.8	Sand	22	180	202	<0.42	
		Neighboring sea area of Soso District Approx. 1,000 m offshore of Kumagawa River	2017/8/2	5	73.5	Sand	21	190	211	<0.35	
			2017/10/10	5	66.0	Sand	42	350	392	<0.45	
		Neighboring sea area of Soso District Approx. 1,000 m offshore of Tomioka River	2017/8/2	5	70.6	Sand	41	280	321	<0.27	
			2017/12/11	5	71.5	Sand	54	430	484	<0.39	
		Neighboring sea area of Narahamachi Town Approx. 1,000 m offshore of Kidogawa River	2017/6/15	5	69.1	Sand	24	180	204	<0.37	
			2017/12/12	5	62.2	Sand	29	280	309	<0.53	
		Approx. 1,000 m offshore of Asami River Estuary	2017/9/14	5	72.0	Sand	11	61	72	<0.29	
			2017/12/12	5	68.7	Sand	13	95	108	<0.41	
		Approx. 1,000 m offshore of Ohisa River Estuary	2017/5/22	5	73.9	Sand	8.0	44	52.0	<0.29	
			2017/11/9	5	77.0	Sand	5.2	37	42.2	<0.28	
		Neighboring sea area of Iwaki-shi Approx. 1,500 m offshore of Natsui River	2017/8/4	5	74.1	Sand	<3.8	22	22	<0.27	
			2017/12/13	5	71.5	Sand	<4.3	18	18	<0.32	
Onahama Port Approx. 400 m north of Nishibouhatei No. 2	2017/8/4	5	46.1	Silt/sand	41	380	421	<0.31			
	2017/12/13	5	37.6	Silt/sand	34	330	364	<0.45			
Joban coastal sea area Approx. 1,000 m offshore of Binda River	2017/6/16	5	68.7	Sand	8.0	61	69.0	<0.30			
	2017/12/13	5	69.0	Sand	<6.6	50	50	<0.36			
Ibaraki Prefecture	Rivers	Shinkawa River	Shinten Bridge	2017/5/10	10	23.9	Silt/sand	76	580	656	0.75
				2017/11/17	7	23.3	Silt	65	530	595	0.63
		Bizen River	Bizengawa Bridge	2017/8/10	2	62.0	Sand/silt	180	1,200	1,380	<0.27
				2017/11/17	1	72.2	Sand/gravel/silt	69	580	649	<0.24
	Lake and reservoirs	Lake Kasumigaura	Center	2017/8/17	5	15.1	Silt	43	370	413	<0.35
				2017/11/22	10	15.0	Silt	34	270	304	1.7
		Lake Ushikunuma	Center of Lake Ushikunuma	2017/5/31	7	22.2	Silt	74	550	624	0.33
				2017/11/14	8	25.0	Silt	65	470	535	<0.43
		Mizunuma Dam	Center	2017/5/18	6	18.0	Silt	330	2,000	2,330	1.8
				2017/11/8	10	14.3	Silt	140	1,400	1,540	1.4
Koyama Dam	Center	2017/11/8	10	23.7	Silt	140	1,200	1,340	1.0		
Tochigi Prefecture	Lake and reservoir	Ikari Dam Reservoir	Center	2017/6/5	6	32.1	Silt	42	280	322	1.2
Gunma Prefecture	Lake and reservoirs	Lake Okutone (Yagisawa Dam)	Center	2017/11/24	5	34.8	Silt	110	1,000	1,110	1.3
				2017/8/3	8	29.3	Silt	460	2,300	2,760	2.0
		Lake Naramata (Naramata Dam)	Center	2017/10/18	8	27.1	Silt	280	2,300	2,580	1.9
				2017/10/18	10	36.1	Silt	180	1,700	1,880	1.5
		Lake Fujiwara (Fujiwara Dam)	Center	2017/10/11	10	26.4	Silt	230	1,700	1,930	1.5
		Lake Tannbara (Tannbara Dam)	Center	2017/8/3	10	33.6	Silt	110	920	1,030	0.91
		Lake Akaya (Aimata Dam)	Center	2017/12/1	10	32.7	Silt	150	1,200	1,350	0.82
				2017/8/3	5	18.4	Silt	140	1,300	1,440	0.78
		Lake Akagionuma	Center	2017/11/14	8	13.2	Silt	99	1,100	1,199	1.6
				2017/5/19	8	35.5	Silt	190	1,300	1,490	0.69
		Lake Okushima (Shimagawa Dam)	Center	2017/12/5	8	29.0	Silt	140	1,200	1,340	0.68
				2017/8/28	10	32.6	Silt	210	1,800	2,010	0.71
		Lake Nozori (Nozori Dam)	Center	2017/10/12	10	25.9	Silt	140	1,200	1,340	0.80
2017/8/18	4			56.6	Silt/sand	270	2,000	2,270	<0.31		
Chiba Prefecture	Rivers	Ohori River	Kitakashima Bridge	2017/11/1	5	61.0	Sand/silt	150	1,100	1,250	<0.24
				2017/5/31	5	30.2	Silt	280	1,900	2,180	0.41
		Otsu River	Kaminuma Bridge	2017/11/1	5	47.6	Silt/sand	130	1,100	1,230	0.26
				2017/8/22	3	73.2	Sand/gravel	130	990	1,120	<0.42
		Igasuuro Channel	Downstream of Igasuuro Channel	2017/5/16	10	22.2	Silt	140	1,200	1,340	0.45
				2017/11/8	10	29.8	Silt	130	990	1,120	0.65
	Inba Discharge Channel (upper reaches)	Yachiyo Bridge	2017/11/15	3	47.2	Silt/sand	140	1,200	1,340	<0.28	
			2017/6/22	10	24.4	Silt	110	850	960	<0.31	
	Lake and reservoirs	Lake Teganuma	Center area of Teganuma	2017/12/19	10	22.9	Silt	78	760	838	0.42
				2017/9/12	10	25.8	Silt	320	2,600	2,920	0.53
			Nedoshita	2017/12/19	10	26.1	Silt	290	2,400	2,690	0.57