

Results of the FY2014 Analysis of Radioactive Strontium

The analysis of radioactive strontium was conducted for locations in each prefecture 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 50 Bq/kg.

Location				Sampling Date	Sediment							
					General items (rereleased)			Activity concentration [Bq/kg(dry)]				
								Radioactive cesium (rereleased)			Radioactive Strontium	
Prefecture	Water Body/Point		Sample length (cm)	Sediment content (%)	Property	Cs-134	Cs-137	Total	Sr-90			
Miyagi Prefecture	Rivers	Masuda River	Bishamon Bridge	2014/5/9	5	46.4	Silt	300	870	1,170	0.25	
				2014/11/11	5	52.6	Silt	130	500	630	0.44	
		Abukuma River	Abukuma-ohashi Bridge (Iwanuma)	2014/6/10	5	46.3	Silt	430	1,200	1,620	0.52	
	Lake and reservoirs				2014/12/9	3	76.9	Sand	32	91	123	<-0.23
		Lake Amanuma	Lake exit	2014/8/26	5	75.0	Sand/silt	420	1,300	1,720	0.25	
				2014/10/7	5	79.8	Sand/silt	380	1,200	1,580	<-0.19	
		Shichikasyuku Dam	Dam site	2014/8/29	5	30.8	Silt	520	1,700	2,220	0.82	
				2014/10/30	5	28.9	Silt	460	1,500	1,960	0.59	
		Lake Bagyunuma	Lake exit	2014/9/4	5	35.2	Silt/sand	130	430	560	0.64	
				2014/10/1	3	30.3	Silt/sand	190	640	830	0.96	
	Coastal area	Offshore of Abukuma River Estuary	Offshore of Abukuma River Estuary	2014/7/15	10	57.5	Sand/silt	250	770	1,020	<-0.18	
				2014/11/19	10	71.1	Sand	71	240	311	<-0.40	
	Fukushima Prefecture	Rivers	Manogawa River	Majima Bridge	2014/8/18	5	37.8	Silt	950	2,700	3,650	0.81
					2014/10/21	5	28.8	Silt/sand	1,100	3,300	4,400	<-0.46
			Ishiwatado Bridge	2014/5/12	5	81.9	Sand	2,500	6,800	9,300	0.77	
Ota River				2014/12/9	5	96.4	Gravel	1,100	3,500	4,600	0.41	
			Masuda Bridge	2014/5/12	5	41.2	Silt/sand	4,500	12,000	16,500	1.5	
				2014/10/20	5	71.8	Sand	1,800	6,000	7,800	<-0.46	
			Murohara Bridge	2014/6/6	5	74.3	Sand	5,300	15,000	20,300	0.52	
				2014/11/18	5	76.5	Sand/gravel	4,800	16,000	20,800	<-0.47	
Ukedo River			Ukedo Bridge	2014/5/13	5	74.9	Sand/silt	2,500	6,900	9,400	1.1	
				2014/12/12	5	73.6	Sand	2,000	6,800	8,800	0.35	
Abukuma River			Taisho Bridge	2014/9/25	5	84.5	Gravel/sand	67	220	287	<-0.20	
				2014/10/28	5	85.1	Gravel/sand	27	83	110	<-0.25	
Kyu-yukawa River			Awanomiya Bridge	2014/8/6	5	54.7	Silt	120	460	580	0.28	
				2014/10/23	5	53.1	Silt/clay	170	520	690	0.7	
Lake and reservoirs		Matsugabō Dam (Lake Utagawa)		2014/5/9	10	18.2	Silt	9,900	27,000	36,900	2.3	
				2014/12/9	10	19.1	Silt	6,800	22,000	28,800	2.9	
		Soso (farm pond)	Ainosawa	2014/6/12	5	58.6	Silt/sand	8,900	25,000	33,900	2.7	
				2014/10/2	10	22.3	Silt/sand	8,000	25,000	33,000	2	
		Gambe Dam Reservoir		2014/5/20	5	30.5	Silt	20,000	57,000	77,000	6.3	
				2014/10/15	5	34.7	Silt	8,800	28,000	36,800	2.6	
				2014/8/6	8	43.0	Silt	9,100	26,000	35,100	7.7	
		Takanokura Dam Reservoir		2014/12/5	10	31.4	Silt	8,200	27,000	35,200	6	
				2014/8/6	3	47.9	Silt/sand	8,700	26,000	34,700	5.2	
		Yokokawa Dam Reservoir		2014/12/5	3	40.5	Silt/sand	11,000	37,000	48,000	4.4	
			Ryugasaku	2014/6/13	5	30.3	Silt	4,300	12,000	16,300	2.8	
				2014/12/8	5	69.2	Sand/silt	940	3,200	4,140	1	
		Soso (farm pond)	Koakuto	2014/6/19	10	47.2	Silt/sand	4,300	12,000	16,300	3.1	
			Yosouchi	2014/12/2	5	55.7	Silt/sand	2,400	7,900	10,300	2.3	
			2014/8/8	10	69.1	Sand/silt	6,300	19,000	25,300	6.8		
Ogaki Dam			2014/10/2	10	67.1	Sand	4,300	13,000	17,300	3.1		
		Heigoiri	2014/7/15	5	77.1	Sand/gravel	2,500	7,600	10,100	1.7		
			2014/6/12	5	30.5	Silt/sand	3,300	9,300	12,600	1.1		
		Joroku	2014/12/2	5	61.6	Sand/silt	2,500	8,300	10,800	1.2		
			2014/8/8	5	35.6	Silt	18,000	61,000	79,000	16.6		
Soso (farm pond)		Sawairi No. 1	2014/12/5	5	32.1	Silt/sand	24,000	86,000	110,000	47		
			2014/6/17	5	50.6	Silt/sand	32,000	89,000	121,000	30		
		Suzunai No. 4	2014/12/5	5	25.6	Silt	63,000	200,000	263,000	50		
			2014/8/6	5	51.6	Silt	29,000	85,000	114,000	4		
		Nishihaguro	2014/10/3	5	51.8	Silt	26,000	82,000	108,000	8.1		
			2014/6/17	5	61.1	Sand/silt	8,000	23,000	31,000	0.1		
			2014/10/3	5	66.3	Sand/silt	4,200	13,000	17,200	0.7		
Sakashita Dam			2014/6/18	8	31.9	Silt	3,800	11,000	14,800	3.2		
			2014/12/4	10	29.7	Silt	4,100	13,000	17,100	3.8		
Soso (farm pond)		Yonomori	2014/5/21	5	45.8	Silt	11,000	30,000	41,000	4.4		
			2014/12/2	5	49.5	Silt/sand	7,800	25,000	32,800	3.5		
Takikawa Dam			2014/8/7	8	53.6	Sand/silt	7,100	20,000	27,100	3.3		
			2014/11/6	5	41.1	Silt/sand	7,400	23,000	30,400	4.7		
Soso (farm pond)		Kamisigeoka No. 1	2014/8/5	5	64.9	Sand/silt	3,000	8,800	11,800	0.85		
			2014/12/2	5	43.2	Silt/sand	15,000	48,000	63,000	2.3		
Kido Dam			2014/7/16	3	23.0	Silt	4,700	14,000	18,700	2		
			2014/11/6	5	23.6	Silt	4,000	12,000	16,000	2.3		
Hokkawa Dam			2014/8/7	10	28.3	Silt	1,100	3,300	4,400	1.6		
			2014/10/20	10	27.2	Silt	1,600	5,000	6,600	1.8		

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Cs-134	Cs-137	Total				Sr-90				
Prefecture	Water Body/Point									
Fukushima Prefecture	Coastal area	Neighboring sea area of Soso Approx. 2,000 m offshore of Tsurushihama Fishing Port	2014/6/12	10	75.5	Sand	<9.8	12	12	<0.43
			2015/1/9	10	74.2	Sand	2.1	6.2	8.3	<0.25
		Matsukawaura sea area Around center of Fishing Right Area-1	2014/6/12	10	70.4	Sand/silt	18	55	73	<0.43
			2014/11/4	10	75.3	Sand/silt	10	35	45	<0.48
		Neighboring sea area of Soso Approx. 2,000 m offshore of Manogawa River	2014/5/21	10	76.2	Sand/silt	<7.7	35	35	<0.46
			2014/11/5	10	74.0	Sand/silt	<7.9	31	31	<0.48
		Neighboring sea area of Haramachi-shi Approx. 1,000 m offshore of Niida River	2014/8/6	10	77.4	Sand	<9.0	27	27	<0.49
			2014/12/3	5	78.9	Sand	10	33	43	<0.60
			2014/5/21	5	77.7	Sand	7.3	24	31.3	<0.44
		Neighboring sea area of Haramachi-shi Approx. 1,000 m offshore of Otogawa River	2014/10/1	10	75.1	Sand	12	26	38	<0.48
			2014/7/9	5	73.3	Sand/silt	10	18	28	<0.40
		Neighboring sea area of Soso District Approx. 1,000 m offshore of Odaka River	2014/10/2	5	74.6	Sand	6.9	22	28.9	<0.47
			2014/7/9	10	64.5	Silt/sand	110	330	440	<0.45
			2014/11/6	10	70.0	Sand/silt	73	220	293	<0.38
		Neighboring sea area of Soso District Approx. 1,000 m offshore of Kumagawa River	2014/6/19	5	74.6	Sand	130	340	470	<0.50
			2014/11/6	5	73.6	Sand	84	290	374	<0.47
		Neighboring sea area of Soso District Approx. 1,000 m offshore of Tomioka River	2014/5/29	5	77.1	Sand	140	390	530	0.58
			2015/1/10	10	72.2	Sand/silt	130	420	550	0.39
		Neighboring sea area of Narahamachi Town Approx. 1,000 m offshore of Kidogawa River	2014/5/26	10	72.6	Sand	110	260	370	<0.49
			2014/12/12	10	67.7	Sand	94	310	404	<0.44
Approx. 1,000 m offshore of Asami River Estuary	2014/6/16	10	69.9	Sand	68	200	268	<0.34		
	2015/1/8	10	72.4	Sand	49	160	209	<0.25		
Approx. 1,000 m offshore of Ohisa River Estuary	2014/9/18	10	74.9	Sand	27	74	101	<0.39		
	2014/10/18	10	74.3	Sand	27	78	105	<0.39		
Neighboring sea area of Iwaki-shi Approx. 1,500 m offshore of Natsui River	2014/5/27	10	73.2	Sand	27	74	101	<0.37		
	2014/10/17	10	74.1	Sand	13	41	54	<0.51		
	2014/9/19	10	57.3	Silt	170	610	780	<0.47		
Onahama Port Approx. 400 m north of Nishibouhatei No. 2	2014/12/13	10	45.3	Silt	190	640	830	<0.55		
	2014/6/17	10	70.5	Sand	26	98	124	<0.42		
Johan coastal sea area Approx. 1,000 m offshore of Binda River	2014/10/17	10	69.7	Sand	25	83	108	<0.42		
	2014/5/17	5	23.2	Silt	440	1,200	1,640	0.89		
Ibaraki Prefecture	Rivers	Shinkawa River Shinten Bridge	2014/12/3	4	23.3	Silt	380	1,100	1,480	0.58
			2014/5/17	5	75.0	Sand	390	1,100	1,490	<0.19
		Bizen River Bizengawa Bridge	2014/11/25	2	82.2	Sand/gravel	80	270	350	<0.16
			2014/8/21	2	70.4	Sand	260	710	970	<0.35
		Seimei River Katsuhashi Bridge	2014/11/29	1	74.3	Sand/silt	230	690	920	<0.19
	Lake and reservoirs	Lake Kasumigaura Center	2014/5/14	8	16.5	Silt	62	180	242	0.68
			2014/11/5	5	15.1	Silt	110	350	460	1.1
		Lake Ushikunuma Center of Lake Ushikunuma	2014/5/20	10	23.6	Silt	190	650	840	0.58
			2014/11/12	6	33.0	Silt	160	580	740	0.57
		Mizunuma Dam Center	2014/8/1	6	15.8	Silt	780	2,200	2,980	2.8
	2014/11/13	6	18.7	Silt	770	2,400	3,170	3		
Tochigi Prefecture	Rivers	Egawa River (Nakagawa River System) Tributary	2014/6/16	4	36.8	Silt	130	390	520	0.53
		Akabori River Nikko City Hall, front	2014/11/14	5	79.5	Sand/gravel	73	220	293	<0.25
	Lake and reservoirs	Ikari Dam Reservoir Center	2014/8/4	8	31.7	Silt	2,200	6,500	8,700	1
			2014/10/2	10	37.8	Silt	1,100	3,400	4,500	1.1
Gunma Prefecture	Rivers	Koguro River Kayano Bridge	2014/6/4	5	64.3	Sand	26	76	102	<0.40
	Lake and reservoirs	Lake Fujiwara (Fujiwara Dam) Center	2014/8/5	6	40.7	Silt	300	940	1,240	1.7
			2014/10/24	4	42.2	Silt	330	1,000	1,330	1.5
Chiba Prefecture	Rivers	Ohori River Kitakashiwa Bridge	2014/5/14	5	44.8	Silt/sand	1,400	3,800	5,200	<0.26
			2014/11/13	7	70.7	Sand	350	1,200	1,550	<0.27
		Otsu River Kaminuma Bridge	2014/8/14	7	28.3	Silt	940	2,700	3,640	0.4
			2014/11/13	8	64.7	Sand	310	980	1,290	<0.38
	Lake and reservoirs	Lake Teganuma Teganuma Chuo	2014/6/17	6	23.3	Silt	350	920	1,270	0.51
			2014/12/15	8	21.7	Silt	310	990	1,300	<0.46
			2014/6/17	5	28.8	Silt	1,500	4,200	5,700	0.74
			2014/12/15	8	29.8	Silt	800	2,800	3,600	2.5