

Results of Radiostrontium Analysis (2012)

For those locations where levels of radioactive cesium in sediment were comparatively high in each prefecture, the level of radiostrontium in sediment was measured.

The results showed that the concentration of Strontium-90 (Sr-90) was in the range of ND*-93Bq/kg.

ND=Not detectable

Results of Radiostrontium Analysis

Sampling point		Sampling date	Sediment						
			General items (rereleased)			Concentration of radioactive material (rereleased)			
Prefecture	Water Body/Survey Point	Mud sampling depth (cm)	Mud content (%)	Property	Cs-134 (Bq/kg dried mud)	Cs-137 (Bq/kg dried mud)	Sr 90 (Bq/kg dried mud)		
Miyagi	Rivers	Abukumagawa River, Abukumaohashi Bridge	2012/6/6	15	73.3	Sand	560	850	<0.84
		Abukumaohashi Bridge	2012/11/21	3	69.0	Sand	520	890	<0.92
		Abukumagawa River, Marumoribashi Bridge	2012/10/3	6	72.1	Sand/mud	1,300	2,100	<0.99
		Abukumagawa River, Ejiribashi Bridge	2012/5/4	2	72.6	Sand	1,400	2,000	1.2
		Masudagawa River, Bishamonbashi Bridge	2012/9/25	5	55.3	Silt	1,400	2,300	<1.2
		Bishamonbashi Bridge	2012/11/27	5	54.7	Silt	720	1,300	<1.3
	Teizan-unga Canal, Teizanbashi Bridge	2012/9/21	6	48.3	Silt	880	1,400	<1.4	
	Lakes and Headwaters	Shichikashuku Dam/Dam site	2012/6/29	10	51.0	Silt	1,200	1,800	1.7
		Amanuma Lake, Lake exit	2012/11/29	7	49.8	Mud	690	1,200	<1.7
		Amanuma Lake, Lake exit	2012/11/28	2	41.1	Silt	3,500	6,200	2.1
Coasts	Offshore of Abukumagawa River Estuary	2012/12/20	3	81.6	Sand	45	83	<0.80	
	Neighboring sea area of Sendai Port (A), Naiko Inner Port, 4-Nai	2012/12/19	10	41.2	Silt	530	970	<1.9	
Fukushima	Rivers	Abukumagawa River, Akutsubashi Bridge	2012/5/1	2	74.5	Silt	2,500	3,500	<0.96
		Abukumagawa River, Taishobashi Bridge	2012/4/29	5	66.6	Silt	1,500	2,300	1.4
		Taishobashi Bridge	2012/11/13	5	75.6	Sand	470	810	1.3
		Kyuyukawa River, Awanomiyabashi Bridge	2012/5/29	20	65.7	Sand	810	1,200	<1.1
		Awanomiyabashi Bridge	2012/11/1	3	87.8	Sand	77	130	<1.1
		Kumagawa River, Mikumabashi Bridge	2012/6/14	5	73.0	Silt	16,000	25,000	4.4
		Mikumabashi Bridge	2012/11/20	3	91.4	Sand	1,300	2,200	<0.79
		Before the confluence with Hirosegawa and Abukumagawa Rivers	2012/5/8	3	44.1	Mud	8,000	12,000	3.1
		Takasegawa River, Keiobashi Bridge	2012/7/3	2	59.9	Mud/sand	6,200	9,600	3.7
		Keiobashi Bridge	2012/10/18	5	64.6	Silt	6,400	11,000	2.4
		Matsukawa River, Before the confluence with Abukumagawa River	2012/4/30	3	77.4	Sand	1,600	2,400	1.2
		Manogawa River, Majimabashi Bridge	2012/7/5	5	38.4	Silt	6,200	9,700	2.4
		Majimabashi Bridge	2012/11/12	5	90.4	Sand	180	320	<0.90
		Ukedogawa River, Muroharabashi Bridge	2012/6/14	2	65.0	Silt	65,000	100,000	12
		Muroharabashi Bridge	2012/11/15	5	94.3	Sand	4,900	8,500	<0.85
		Ukedogawa River, Ukedobashi Bridge	2012/6/13	2	91.6	Sand/gravel	4,800	7,600	<0.76
		Ukedobashi Bridge	2012/11/15	3	91.0	Sand	2,100	3,500	<0.90
		Maedagawa River, Nakahamabashi Bridge	2012/8/28	3	74.1	Mud	8,900	15,000	1.8
		Nakahamabashi Bridge	2012/11/15	3	84.1	Sand	2,500	4,300	<0.80
		Otagawa River, Masudabashi Bridge	2012/8/22	6	62.6	Mud	11,000	18,000	2.2
	Masudabashi Bridge	2012/11/7	2	78.2	Sand	4,600	7,900	1.7	
	Otagawa River, Ishiwatadobashi Bridge	2012/7/4	5	64.8	Silt/sand	24,000	37,000	7.4	
	Ishiwatadobashi Bridge	2012/11/7	3	90.2	Sand	3,200	5,500	1.1	
	Yantagawa River, Before the confluence with Abukumagawa	2012/5/2	3	83.0	Silt	1,700	2,600	<0.85	
	Before the confluence with Abukumagawa	2012/10/9	3	71.6	Sand/silt	3,000	5,100	1.3	
	Lakes and Headwaters	Yokokawa Dam Reservoir	2012/8/8	5	73.1	Mud/sand	9,900	16,000	3.3
		Yokokawa Dam Reservoir	2012/10/17	5	40.1	Silt	47,000	78,000	24
		Ganbe Dam Reservoir	2012/10/16	10	52.1	Silt	46,000	77,000	14
		Furumichigawa Power Plant Dam	2012/10/17	10	37.2	Silt	4,100	6,900	2.8
		Takanokura Dam Reservoir	2012/8/8	5	80.5	Sand	4,700	7,700	4.2
		Takanokura Dam Reservoir	2012/10/17	10	40.6	Silt	13,000	22,000	13
		Sakashita Dam	2012/8/29	5	65.6	Silt	6,600	11,000	3.2
		Sakashita Dam	2012/11/20	5	41.8	Silt	7,700	13,000	4.1
Miharu Dam		2012/8/22	5	50.5	Silt	1,700	2,700	2.5	
Matsugabo Dam (Utagawako Lake)		2012/8/6	5	46.4	Silt	1,900	3,000	2.3	
Matsugabo Dam (Utagawako Lake)		2012/10/15	10	42.1	Silt	22,000	37,000	10	
Shimoshigeoka (farm pond)		2012/9/4	1	32.2	Mud	29,000	48,000	4.5	
Shimoshigeoka (farm pond)		2012/11/20	3	59.2	Silt	10,000	17,000	2.1	
Yosouchi (farm pond)	2012/7/26	3	73.0	Sand	27,000	43,000	17		
Yosouchi (farm pond)	2012/11/21	5	76.1	Sand	16,000	28,000	11		
Koakuto (farm pond)	2012/7/5	2	50.3	Mud/sand	22,000	34,000	7		
Koakuto (farm pond)	2012/11/21	3	64.2	Sand/silt	12,000	20,000	5.3		
Kamisigeoka No.1 (farm pond)	2012/7/4	2	85.4	Sand	26,000	41,000	3.4		
Uenokawa (farm pond)	2012/7/5	2	32.7	Mud	8,200	13,000	5.6		
Uenokawa (farm pond)	2012/7/4	2	45.8	Mud	35,000	61,000	37		
Joroku (farm pond)	2012/10/23	1	72.3	Sand	14,000	26,000	20		
Nishihaguro (farm pond)	2012/7/25	2	71.0	Silt	25,000	40,000	5.4		
Otsutsumi (farm pond)	2012/9/4	6	52.3	Mud	7,300	12,000	3.3		
Sawairi No. 1 (farm pond)	2012/10/18	2	45.8	Mud	290,000	490,000	93		
Heigoiri (farm pond)	2012/10/24	2	26.8	Mud	21,000	35,000	13		

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Prefecture	Water Body/Survey Point		Mud sampling depth (cm)	Mud content (%)	Property	Cs-134 (Bq/kg dried mud)	Cs-137 (Bq/kg dried mud)	S r 90 (Bq/kg dried mud)	
Fukushima	Lakes and Headwaters	Yonomori (farm pond)	2012/7/4	3	58.2	Silt	24,000	38,000	6.8
			2012/11/14	3	61.9	Sand	17,000	30,000	5.5
		Ainosawa (farm pond)	2012/7/26	3	60.7	Silt	23,000	36,000	8.3
			2012/10/24	2	47.6	Silt	38,000	65,000	13
		Ryugasaku (farm pond)	2012/8/28	3	38.5	Sand/silt	18,000	29,000	7.8
			2012/11/20	4	56.4	Silt	6,400	11,000	3.1
		Suzunai No.4 (farm pond)	2012/10/25	3	61.9	Silt	34,000	57,000	7.1
			2012/8/28	3	89.8	Sand	5,100	8,500	2.4
		Ogaki Dam	2012/10/18	5	80.9	Sand	19,000	32,000	7.9
			2012/7/25	3	62.0	Sand	11,000	17,000	3.5
		Takikawa Dam	2012/11/14	3	81.6	Sand	3,200	5,400	3.1
			2012/8/9	10	43.1	Silt	1,900	3,200	2.3
	Hokkawa Dam	2012/10/18	5	43.6	Silt	4,900	8,400	2.1	
		2012/8/23	5	42.5	Silt	2,900	4,500	4.3	
	Kido Dam	2012/10/19	5	40.0	Silt	3,300	5,400	7.6	
		2012/10/24	2	21.6	Silt	3,800	6,400	5.4	
	Coasts	Neighboring sea area of Iwakishi City, Approx. 1,500 m	2012/7/7	5	86.0	Sand	67	89	<0.98
			2012/11/19	5	87.6	Sand	28	46	<0.99
		Neighboring sea area of Haramachi City, Approx. 1,000	2012/7/27	5	83.5	Sand	110	180	<1.1
			2012/11/29	3	72.9	Sand	98	170	<0.83
		Neighboring sea area of Haramachi City, Approx. 1,000 m offshore of Otagawa River	2012/11/20	3	88.6	Sand	13	35	<0.87
		Onahama Port, Approx. 400 m north of Nishibouhatei No. 2	2012/7/8	10	68.5	Silt	230	360	<1.3
			2012/11/19	5	64.3	Silt	270	460	<1.4
		Matsukawaura sea area, Around center of Fishing Right	2012/7/25	10	79.6	Sand	110	190	<0.88
			2012/11/27	5	82.5	Sand	49	74	<1.1
		Joban coastal sea area, Approx. 1,000 m offshore of Bindagawa	2012/7/8	5	77.9	Sand	110	170	<1.1
			2012/11/19	3	82.8	Sand	67	100	<0.96
		Approx. 1,000 m offshore of Asamigawa River estuary	2012/7/7	5	83.7	Sand	230	340	<0.98
			2012/11/30	5	84.9	Sand	130	230	<0.92
		Neighboring sea area of Soso District, Approx. 1,000 m offshore of Odakagawa River	2012/11/28	5	83.1	Sand	45	82	<0.90
		Neighboring sea area of Soso, Approx. 2,000 m offshore of	2012/7/26	3	82.4	Sand	46	60	<1.0
			2012/11/26	5	82.1	Sand	43	88	<0.94
Neighboring sea area of Soso, Approx. 2,000 m offshore of		2012/7/24	5	77.2	Sand	120	200	<1.2	
		2012/11/22	5	86.9	Sand	13	17	<1.0	
Approx. 1,000 m offshore of Ohisagawa River Estuary	2012/7/7	5	86.7	Sand	56	97	<1.1		
	2012/11/30	5	89.1	Sand	73	140	<1.1		
Neighboring sea area of Narahamachi Town, Approx. 1,000 m offshore of Kidogawa River	2012/11/30	5	79.5	Sand	130	250	<0.92		
Tochigi	Rivers	Itanagawa River Tributary	2012/8/17	3	90.0	Sand	58	88	<0.78
			2012/12/12	3	89.2	Sand	35	51	<0.73
Lakes and Headwaters	Ikari Dam Reservoir	Center of the lake	2012/8/31	10	54.0	Silt	1,600	2,500	<1.5
			2012/12/5	15	50.0	Silt	900	1,600	1.6
Gunma	Rivers	小Black川 Kayanobashi Bridge	2012/8/8	10	87.9	Sand	78	120	<0.86
			2012/12/12	3	80.2	Sand	67	120	<0.73
Lakes and Headwaters	Fujiwarako Lake (Fujiwara Dam)	Center of the lake	2012/9/12	5	56.8	Silt	1,100	1,800	1.9
			2012/11/6	5	53.5	Silt	680	1,200	2.2
Ibaraki	Rivers	Seimeigawa River Katsuhashi Bridge	2012/12/10	2	52.0	Silt	1,500	2,600	<1.4
		Nakagawa River Shimokunii	2012/9/27	5	83.4	Sand	48	80	<0.79
		Bizengawa River	2012/5/30	5	71.5	Silt	1,900	2,900	1.8
		Bizengawabashi Bridge	2012/12/11	5	74.6	Sand	1,000	1,800	<1.1
	Lakes and Headwaters	Kasumigaura Lake Offshore of Kakeuma	2012/6/27	10	79.6	Sand	240	370	<1.1
			2012/12/5	10	84.0	Sand	92	160	<0.93
		Kasumigaura Lake Center of the lake	2012/6/27	10	33.5	Silt	58	120	<2.7
			2012/12/5	10	27.6	Silt	220	410	<2.9
	Ushikunuma Lake Center of Ushikunuma Lake	2012/9/13	10	38.0	Mud	450	720	<2.0	
		2012/12/6	5	32.3	Silt	440	770	7	
Chiba	Rivers	Otsugawa River	2012/5/22	3	45.3	Silt	8,200	12,000	<1.7
		Kaminumabashi Bridge	2012/11/5	2	48.0	Clay	140	240	<1.8
		Ohorigawa River	2012/5/22	3	66.7	Silt	4,900	7,100	<0.93
		Kitakashiwabashi Bridge	2012/11/5	3	73.1	Sand/silt	1,100	1,900	<1.1
	Lakes and Headwaters	Teganuma Lake Nedoshita	2012/9/11	10	38.0	Mud	2,900	4,700	4.4
			2012/12/17	7	37.5	Mud	2,700	4,900	<2.0
	Teganuma Lake Teganuma Chuo	2012/9/11	15	36.9	Mud	590	950	<2.1	
		2012/12/17	3	31.2	Mud	580	1,000	<2.5	
Tokyo	Coasts	St-8 Offshore of Arakawa River/Kyuedogawa River	2012/5/31	10	54.0	Silt	190	300	<1.5
			2012/10/18	10	59.6	Silt	170	250	<1.1