

(3) Surrounding Environment (Lower detection limit: 10Bq/kg (dry))
(Rivers)

Cs-134 + Cs-137: ND-2,930Bq/kg (dry) (*14-3,400Bq/kg (dry))

Spatial dose: 0.04-0.32 μ Sv/h

(Annex for details)
(Map attached)

3. Future Plans

MOE intends to continue to measure radioactive materials in water, sediment, etc. in rivers, lakes, etc., since concentrations of radioactive materials seem to show fluctuations, depending on locations, due to minor differences in sampling points or properties of samples of each survey.

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ORiver: Water Quality Monitoring Results

(Annex)

No.	Sampling point			Sampling date	Weather	Full depth (m)	General items					Radioactive material concentrations (Bq/L)		Remarks	
	Water body	Point	Municipality				Sampling depth (m)	Transparency (cm)	Electrical conductivity (mS/m)	SS (mg/L)	Turbidity	Radioactive cesium			
												Cs-134	Cs-137		
1	Shishiorigawa River	Kinzanbashi Bridge	Kesenumashi City	2014/1/16	Light snow	0.2	0.0	>100	14	<1	0	<1	<1		
2		Namiitabashi Bridge		2014/1/16	Light snow	0.5	0.0	>100	3,370	2	1	<1	<1		
3		Tateyamaohashi Bridge		2014/1/16	Light snow	0.3	0.0	>100	18	<1	1	<1	<1		
4		Okawa River		Kamiyamabashi Bridge	2014/1/16	Cloudy	1.0	0.0	>100	507	2	1	<1	<1	
5		Okawa River Estuary		2014/1/16	Cloudy	1.9	0.0	>100	4,810	2	0	<1	<1		
6	Omosogawa River	Ozakibashi Bridge		2014/1/16	Cloudy	1.5	0.0	>100	2,880	4	3	<1	<1		
7	S m y i s g a t e w e m a R i v e r	Arimagawa River	Kuriharashi City	2014/1/17	Sunny	0.5	0.0	>100	17	1	1	<1	<1		
8		Kinryugawa River		Obatabashi Bridge	2014/1/17	Cloudy	0.1	0.0	>100	14	3	2	<1	<1	
9		Kitakamigawa River	Tomeohashi Bridge (Tome)	Tomeshi City	2014/1/10	Sunny	0.2	0.0	>100	17	2	1	<1	<1	
10		Sanhasamagawa River	Domanbashi Bridge (Kurikoma Dam)	Kuriharashi City	2014/1/15	Sunny	3.0	0.0	70	17	6	5	<1	<1	
11		Nihasamagawa River	Kajiyabashi Bridge		2014/1/15	Sunny	0.2	0.0	>100	14	<1	1	<1	<1	
12		Hasamagawa River	Hanayama Dam, inflow area		2014/1/15	Sunny	0.4	0.0	>100	10	1	1	<1	<1	
13			Wakayanagi		2014/1/15	Sunny	0.2	0.0	40	17	8	6	<1	<1	
14			Yamayoshidabashi Bridge	Tomeshi City	2014/1/10	Cloudy	0.5	0.0	50	27	9	5	<1	<1	
15		Eaigawa River	Todorokibashi Bridge (Todoroki)	Osakishi City	2014/1/14	Sunny	1.0	0.0	>100	14	2	1	<1	<1	
16			Shimizukomon Weir		2014/1/14	Sunny	0.5	0.0	>100	14	2	1	<1	<1	
17		In Furukawa District, Osakishi City	Shinborisaihon, entrance		2014/1/14	Sunny	0.5	0.0	84	27	5	3	<1	<1	
18		Dekigawa River	Kogotabashi Bridge	Misatomachi Town	2014/1/17	Sunny	0.5	0.0	52	50	8	7	<1	<1	
19		Eaigawa River	Oikawabashi Bridge (Tandai)	Wakuyacho Town/Ishinomakishi City	2014/1/10	Cloudy	1.0	0.0	57	28	8	5	<1	<1	
20		Kyukitakamigawa River	Kadonowaki	Ishinomakishi City	2014/1/10	Sunny	3.4	0.0	89	166	3	3	<1	<1	
21		Narusegawa River	Onobashi Bridge (Ono)	Higashimatsushimashi City	2014/1/9	Cloudy	1.0	0.0	91	13	4	3	<1	<1	
22		Sunaoshigawa River	Tagajozeki Weir	Tagajoshi City	2014/1/9	Sunny	0.5	0.0	45	43	11	6	<1	<1	
23			Nenbutsubashi Bridge		2014/1/9	Sunny	1.0	0.0	78	2,120	5	5	<1	<1	
24		Teizan-unga Canal (Kyusunaoshigawa River)	Teizanbashi Bridge	Shichigahamamachi Town/Tagajoshi City	2014/1/9	Sunny	1.3	0.0	90	4,220	3	2	<1	<1	
25		Nanakitagawa River System	Nanakitabashi Bridge	Sendaishi City	2014/1/6	Sunny	0.2	0.0	99	17	4	3	<1	<1	
26			Fukudaohashi Bridge		2014/1/6	Sunny	0.2	0.0	98	155	3	2	<1	<1	
27	Umedagawa River		Fukudabashi Bridge		2014/1/6	Sunny	0.3	0.0	94	399	3	3	<1	<1	
28	Nanakitagawa River		Takasagobashi Bridge		2014/1/6	Sunny	0.3	0.0	57	3,420	7	4	<1	<1	
29	Natorigawa River System	Natorigawa River	Sendaishi City/Natorishi City	2014/1/8	Cloudy	0.3	0.0	>100	869	4	2	<1	<1		
30		Yakushibashi Bridge		2014/1/8	Cloudy	0.2	0.0	>100	11	<1	0	<1	<1		
31		Masudagawa River	Koyamabashi Bridge	Natorishi City	2014/1/8	Cloudy	0.3	0.0	>100	18	2	2	<1	<1	
32			Bishamonbashi Bridge		2014/1/8	Cloudy	1.1	0.0	82	540	5	3	<1	<1	
33	Abukumagawa River	Hadeniwabashi Bridge	Marumorimachi Town	2014/1/20	Sunny	1.5	0.0	>100	21	3	2	<1	<1		
34				2014/2/10	Sunny	0.5	0.0	99	21	5	2	<1	<1		
34		Marumoribashi Bridge		2014/1/20	Sunny	0.5	0.0	>100	22	2	2	<1	<1		
35		2014/2/10		Sunny	0.2	0.0	>100	19	3	2	<1	<1			
36	S y s t e m R i v e r	Shiroishigawa River	Shiroishishi City	2014/1/7	Sunny	1.0	0.0	>100	8	1	1	<1	<1		
37		Saikawa River		Etsubobashi Bridge	2014/1/7	Sunny	1.5	0.0	>100	28	1	1	<1	<1	
38		Matsukawa River	Miyaohashi Bridge	Zaomachi Town	2014/1/7	Sunny	0.2	0.0	>100	23	<1	1	<1	<1	
39		Arakawa River	Niragamibashi Bridge	Muratamachi Town/Ogawaramachi Town	2014/1/7	Sunny	0.5	0.0	90	25	4	3	<1	<1	
40		Shiroishigawa River	Shirahatabashi Bridge	Shibatamachi Town	2014/1/7	Sunny	1.0	0.0	>100	16	2	1	<1	<1	
41		Abukumagawa River	Tsukinokiohashi Bridge	Kakudashi City/Shibatamachi Town	2014/1/21	Sunny	0.5	0.0	>100	16	2	1	<1	<1	
42			Abukumaohashi Bridge (Iwanuma)		Iwanumashi City/Wataricho Town	2014/1/21	Sunny	2.0	0.0	>100	18	2	2	<1	<1
42				2014/2/10		Sunny	0.3	0.0	>100	18	2	2	<1	<1	
43			Abukumagawa River Estuary (Watariohashi Bridge)			2014/1/21	Sunny	2.0	0.0	>100	978	2	1	<1	<1

* Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.

* Radioactive materials concentrations contain some measurement errors but are not noted here.

ORiver: Sediment Monitoring Results

No.	Sampling point			Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks	
	Water body	Point	Municipality				Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium				
										Cs-134	Cs-137	Total		
1	Shishiorigawa River	Kinzanbashi Bridge	Kesenumashi City	2014/1/16	Light snow	0.2	10	78	Gravel/sand	25	71	96		
2		Namiitabashi Bridge		2014/1/16	Light snow	0.5	10	50	Silt	78	190	268		
3		Tateyamaohashi Bridge		2014/1/16	Light snow	0.3	10	75	Sand	10	25	35		
4		Okawa River		Kamiyamabashi Bridge	2014/1/16	Cloudy	1.0	10	43	Silt	170	410	580	
5		Okawa River Estuary		2014/1/16	Cloudy	1.9	10	75	Sand	<10	<10	-		
6	Omosegawa River	Ozakibashi Bridge		2014/1/16	Cloudy	1.5	10	74	Sand	22	41	63		
7	K i t a k a S m y i s g t a w e r R i v e r	Arimagawa River	Kuriharashi City	2014/1/17	Sunny	0.5	10	74	Sand	50	160	210		
8		Kinryugawa River		Obatabashi Bridge	2014/1/17	Cloudy	0.1	10	74	Sand	61	160	221	
9		Kitakamigawa River	Tomeohashi Bridge (Tome)	Tomeshi City	2014/1/10	Sunny	0.2	10	62	Sand	43	90	133	
10		Sanhasamagawa River	Domanbashi Bridge (Kurikoma Dam)	Kuriharashi City	2014/1/15	Sunny	3.0	10	66	Sand/silt	17	28	45	
11		Nihasamagawa River	Kajiyabashi Bridge		2014/1/15	Sunny	0.2	10	75	Sand	47	120	167	
12		Hasamagawa River	Hanayama Dam, inflow area		2014/1/15	Sunny	0.4	10	75	Sand	<10	<10	-	
13			Wakayanagi		2014/1/15	Sunny	0.2	10	80	Sand/gravel	15	37	52	
14		Eaigawa River	Yamayoshidabashi Bridge	Tomeshi City	2014/1/10	Cloudy	0.5	10	55	Silt	67	130	197	
15			Todorokibashi Bridge (Todoroki)		2014/1/14	Sunny	1.0	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
16		Ri v e r	Shimizukomon Weir	Osakishi City	2014/1/14	Sunny	0.5	10	74	Sand	<10	17	17	
17			In Furukawa District, Osakishi City	Shinborisaihon, entrance	2014/1/14	Sunny	0.5	10	58	Silt	170	490	660	
18		Dekigawa River	Kogotabashi Bridge	Misatomachi Town	2014/1/17	Sunny	0.5	10	73	Sand	36	97	133	
19		Eaigawa River	Oikawabashi Bridge (Tandai)	Wakuyacho Town/Ishinomakishi City	2014/1/10	Cloudy	1.0	10	72	Sand	23	56	79	
20		Kyukitakamigawa River	Kadonowaki	Ishinomakishi City	2014/1/10	Sunny	3.4	10	82	Sand	<10	26	26	
21		Narusegawa River	Onobashi Bridge (Ono)	Higashimatsushimashi City	2014/1/9	Cloudy	1.0	10	76	Sand	13	31	44	
22		Sunaoshigawa River	Tagajozeki Weir	Tagajoshi City	2014/1/9	Sunny	0.5	10	67	Sand/silt	62	140	202	
23			Neubutsubashi Bridge		2014/1/9	Sunny	1.0	10	45	Silt	65	190	255	
24		Teizan-unga Canal (Kyusunaoshigawa River)	Teizanbashi Bridge	Shichigahamamachi Town/Tagajoshi City	2014/1/9	Sunny	1.3	10	31	Silt	150	450	600	
25		Nanakitagawa River System	Nanakitabashi Bridge	Sendaishi City	2014/1/6	Sunny	0.2	10	82	Gravel/sand	66	160	226	
26			Fukudaohashi Bridge		2014/1/6	Sunny	0.2	10	76	Sand	<10	13	13	
27	Umedagawa River		Fukudabashi Bridge		2014/1/6	Sunny	0.3	10	77	Sand	12	35	47	
28	Nanakitagawa River		Takasagobashi Bridge		2014/1/6	Sunny	0.3	10	62	Sand	65	160	225	
29	Natorigawa River	Yuriageohashi Bridge	Sendaishi City/Natorishi City	2014/1/8	Cloudy	0.3	10	70	Sand	11	36	47		
30	Natorigawa River System	Yakushibashi Bridge	Natorishi City	2014/1/8	Cloudy	0.2	10	76	Gravel/sand	<10	20	20		
31		Koyamabashi Bridge		2014/1/8	Cloudy	0.3	10	78	Gravel/sand	48	120	168		
32		Bishamonbashi Bridge		2014/1/8	Cloudy	1.1	10	47	Silt	280	630	910		
33	A b u k u m a S y s t e m	Hadeniwabashi Bridge	Marumorimachi Town	2014/1/20	Sunny	1.5	10	73	Sand	77	170	247		
34				2014/2/10	Sunny	0.5	10	83	Sand	69	190	259		
35		Marumoribashi Bridge	2014/1/20	Sunny	0.5	10	80	Gravel/sand	17	42	59			
36		2014/2/10	Sunny	0.2	10	86	Gravel/sand	27	48	75				
37	Shiroishigawa River	Before the confluence with Kawaragawa River (Sunaohibashi Bridge)	Shiroishishi City	2014/1/7	Sunny	1.0	10	73	Sand	45	120	165		
38	Saikawa River	Etsubobashi Bridge		2014/1/7	Sunny	1.5	10	82	Gravel/sand	46	100	146		
39	Matsukawa River	Miyaohashi Bridge	Zaomachi Town	2014/1/7	Sunny	0.2	10	78	Sand/gravel	<10	10	10		
40	Arakawa River	Niragamibashi Bridge	Muratamachi Town/Ogawaramachi Town	2014/1/7	Sunny	0.5	10	77	Gravel/sand	<10	27	27		
41	Shiroishigawa River	Shirahatabashi Bridge	Shibatamachi Town	2014/1/7	Sunny	1.0	10	76	Sand	<10	12	12		
42	R i v e r	Tsukinokiohashi Bridge	Kakudashi City/Shibatamachi Town	2014/1/21	Sunny	0.5	10	79	Sand	25	59	84		
43		Abukumagawa River	Abukumaohashi Bridge (Iwanuma)	Iwanumashi City/Wataricho Town	2014/1/21	Sunny	2.0	10	74	Sand	88	250	338	
44			2014/2/10		Sunny	0.3	10	68	Sand/silt	98	220	318		
45	Abukumagawa River Estuary (Watariohashi Bridge)			2014/1/21	Sunny	2.0	10	65	Silt/sand	170	410	580		

* Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.

* Radioactive materials concentrations contain some measurement errors but are not noted here.

○River: Surrounding Environment Monitoring Results

Sampling point				Sampling date	Weather	Left bank				Right bank				Remarks		
No.	Water body	Point	Municipality			Property	Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)	Property	Concentration of radioactive material [Bq/kg (dry)]			Air dose (μSv/h)	
							Cs-134	Cs-137	Total			Cs-134	Cs-137			Total
1	Shishiorigawa River	Kinzanbashi Bridge	Kesennumashi City	2014/1/16	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
2		Namitabashi Bridge		2014/1/16	Light snow	Loamy	<10	<10	-	0.06	Loamy	63	130	193	0.06	
3	Okawa River	Tateyamaohashi Bridge		2014/1/16	Light snow	Loamy	120	290	410	0.07	Loamy	46	110	156	0.08	
4		Kamiyamabashi Bridge		2014/1/16	Cloudy	Loamy	67	160	227	0.08	Loamy	400	900	1,300	0.08	
5		Okawa River Estuary		2014/1/16	Cloudy	Loamy	16	55	71	0.06	Loamy	19	51	70	0.07	
6	Omosogawa River	Ozakibashi Bridge	2014/1/16	Cloudy	Loamy	55	130	185	0.06	Loamy	120	300	420	0.06		
7	K i t a k a	Arimagawa River	Unandabashi Bridge	2014/1/17	Sunny	Loamy	290	670	960	0.14	Loamy	300	700	1,000	0.12	
8		Kinryugawa River	Obatabashi Bridge	2014/1/17	Cloudy	Loamy	320	760	1,080	0.15	Loamy	240	660	900	0.14	
9	S m i s g a t e w a	Kitakamigawa River	Tomeohashi Bridge (Tome)	2014/1/10	Sunny	Loamy	220	620	840	0.08	Loamy	96	220	316	0.06	
10		Sanhasamagawa River	Domanbashi Bridge (Kurikoma Dam)	2014/1/15	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
11	R i v e r	Nihasamagawa River	Kajiyabashi Bridge	2014/1/15	Sunny	Loamy	210	570	780	0.10	Loamy	310	860	1,170	0.12	
12		S m i s g a t e w a	Hasamagawa River	Hanayama Dam, inflow area	2014/1/15	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
13	Wakayanagi			2014/1/15	Sunny	Loamy	170	450	620	0.07	Loamy	130	320	450	0.09	
14	Yamayoshidabashi Bridge		Tomeshi City	2014/1/10	Cloudy	Loamy	14	54	68	0.05	Loamy	110	270	380	0.06	
15	E a i g a w a R i v e r	Todorokibashi Bridge (Todoroki)	Osakishi City	2014/1/14	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
16		Shimizukomon Weir		2014/1/14	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
17	In Furukawa District, Osakishi City	Shinborisaihon, entrance	2014/1/14	Sunny	Loamy	86	230	316	0.06	Loamy	52	130	182	0.05		
18	Dekigawa River	Kogotabashi Bridge	Misatomachi Town	2014/1/17	Sunny	Loamy	59	130	189	0.06	Loamy	81	200	281	0.06	
19	Eaigawa River	Oikawabashi Bridge (Tandai)	Wakuyacho Town/Ishinomakishi City	2014/1/10	Cloudy	Loamy	45	120	165	0.06	Loamy	19	55	74	0.05	
20	Kyukitakamigawa River	Kadonowaki	Ishinomakishi City	2014/1/10	Sunny	Loamy	26	93	119	0.06	Loamy	56	140	196	0.07	
21	Narusegawa River	Onobashi Bridge (Ono)	Higashimatsushimashi City	2014/1/9	Cloudy	Loamy	22	61	83	0.07	Loamy	25	81	106	0.07	
22	Sunaoshigawa River	Tagajozeki Weir	Tagajoshi City	2014/1/9	Sunny	Loamy	34	91	125	0.05	Loamy	200	520	720	0.06	
23		Nenbutsubashi Bridge		2014/1/9	Sunny	Loamy	130	360	490	0.06	Loamy	200	470	670	0.07	
24	Teizan-unga Canal (Kyusunaoshigawa River)	Teizanbashi Bridge	Shichigahamamachi Town/Tagajoshi City	2014/1/9	Sunny	Loamy	100	290	390	0.07	Loamy	89	240	329	0.07	
25	Nanakitagawa River System	Nanakitabashi Bridge	Sendaishi City	2014/1/6	Sunny	Loamy	12	33	45	0.05	Loamy	76	210	286	0.06	
26		Fukudaohashi Bridge		2014/1/6	Sunny	Loamy	54	140	194	0.05	Loamy	68	170	238	0.05	
27		Umedagawa River		Fukudabashi Bridge	2014/1/6	Sunny	Loamy	19	62	81	0.08	Loamy	68	170	238	0.06
28		Nanakitagawa River		Takasagobashi Bridge	2014/1/6	Sunny	Sandy	17	37	54	0.05	Loamy	100	240	340	0.07
29	Natorigawa River	Yuriageohashi Bridge	Sendaishi City/Natorishi City	2014/1/8	Cloudy	Loamy	<10	31	31	0.04	Loamy	82	210	292	0.07	
30	Natorigawa River System	Yakushibashi Bridge	Natorishi City	2014/1/8	Cloudy	Loamy	210	490	700	0.07	Loamy	120	330	450	0.08	
31		Koyamabashi Bridge		2014/1/8	Cloudy	Loamy	320	790	1,110	0.09	Loamy	430	1,100	1,530	0.15	
32		Bishamonbashi Bridge		2014/1/8	Cloudy	Loamy	68	180	248	0.07	Loamy	130	360	490	0.08	
33	A b u k u m a	Hadeniwabashi Bridge	Marumorimachi Town	2014/1/20	Sunny	Loamy	360	970	1,330	0.32	Loamy	310	750	1,060	0.22	
34		Abukumagawa River		Marumoribashi Bridge	2014/2/10	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
34				Marumoribashi Bridge	2014/1/20	Sunny	Loamy	190	450	640	0.23	Loamy	36	100	136	0.08
35				Higashinebashi Bridge	Kakudashi City	2014/2/10	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
36	Shiroishigawa River	Before the confluence with Kawaragosa River (Sunaohashi Bridge)	Shiroishishi City	2014/1/20	Sunny	Loamy	830	2,100	2,930	0.21	Loamy	660	1,700	2,360	0.24	
37	Saikawa River	Etsubobashi Bridge		2014/1/7	Sunny	Loamy	340	820	1,160	0.12	-	-	-	-	(Right bank) Unable to collect samples due to snow on the ground	
38	Matsukawa River	Miyaohashi Bridge	Zaomachi Town	2014/1/7	Sunny	Loamy	230	550	780	0.13	Loamy	210	530	740	0.15	
39	Arakawa River	Niragamibashi Bridge	Muratamachi Town/Ogawaramachi Town	2014/1/7	Sunny	Loamy	94	280	374	0.12	Loamy	170	380	550	0.12	
40	Shiroishigawa River	Shirahatabashi Bridge	Shibatamachi Town	2014/1/7	Sunny	Loamy	160	390	550	0.12	Loamy	380	930	1,310	0.12	
41	R i v e r	Tsukinokiohashi Bridge	Kakudashi City/Shibatamachi Town	2014/1/21	Sunny	Loamy	180	410	590	0.10	Loamy	80	180	260	0.11	
42		Abukumagawa River	Abukumaohashi Bridge (Iwanuma)	Iwanumashi City/Wataricho Town	2014/1/21	Sunny	Loamy	270	630	900	0.10	Loamy	400	1,100	1,500	0.15
42			Abukumaohashi Bridge (Iwanuma)		2014/1/21	Sunny	Loamy	660	1,700	2,360	0.20	Loamy	89	230	319	0.12
43	Abukumagawa River Estuary (Watariohashi Bridge)	2014/2/10	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
43	Abukumagawa River Estuary (Watariohashi Bridge)	2014/1/21	Sunny	Loamy	230	580	810	0.10	Loamy	90	240	330	0.09			

• Samples for surrounding environment (soil) were generally collected from 5 points in 3m square in the river terrace, etc., and mixed. Depending on the site situation, factors, such as the area of sampling may be much smaller, may cause figures to vary significantly.

• Sampling points for rivers are listed from north to south, and for different points along the river, from upstream to downstream.

• Air dose was measured with a survey meter, TCS-172B of Hitachi-Aloka Medical, Ltd.

• Radioactive materials concentrations contain some measurement errors but are not noted here.

○Coast: Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Full depth (m)						Radioactive material concentrations (Bq/L)		Remarks
No.	Water body					Sampling depth (m)	Secchi disk depth (m)	Salinity (‰)	SS (mg/L)	Turbidity	Radioactive cesium		
											Cs-134	Cs-137	
1	Kesenumawan Bay (B)	Offshore of Hachigasaki	Surface layer	2014/2/12	Cloudy	17.9	0.5	5.0	31	2	1	<1	<1
			Lower layer				16.9		31	2	2	<1	<1
2	Kesenumawan Bay (C)	Offshore of Oshimakita	Surface layer	2014/2/12	Cloudy	38.8	0.5	6.5	30	2	1	<1	<1
			Lower layer				37.8		31	4	2	<1	<1
3	All other neighboring sea areas	Oppawan Bay (Jyusanhama Beach)	Surface layer	2014/2/7	Sunny	19.2	0.5	1.9	17	3	3	<1	<1
			Lower layer				18.2		31	5	3	<1	<1
4	Neighboring sea area of Ishinomaki (C)	Mangukuura Lake, M-6 (center)	Surface layer	2014/2/8	Cloudy	3.6	0.5	>3.6	30	2	1	<1	<1
			Lower layer				2.6		30	3	1	<1	<1
5	Neighboring sea area of Ishinomaki (B-3)	Offshore of Kitakamigawa River Estuary	Surface layer	2014/2/25	Sunny	7.1	0.5	3.6	19	4	2	<1	<1
			Lower layer				6.1		30	5	3	<1	<1
6	Neighboring sea area of Ishinomaki (C)	Offshore of Naruse	Surface layer	2014/2/25	Sunny	14.8	0.5	6.0	28	2	1	<1	<1
			Lower layer				13.8		31	4	3	<1	<1
7	Matsushimawan Bay (B)	Nishihama Beach	Surface layer	2014/2/21	Light snow	11.9	0.5	1.5	28	8	5	<1	<1
			Lower layer				10.9		29	13	8	<1	<1
8	Neighboring sea area of Sendai Port (A)	Naiko Inner Port, 4-Nai	Surface layer	2014/2/21	Sunny	16.9	0.5	2.0	29	1	3	<1	<1
			Lower layer				15.9		30	7	5	<1	<1
9	Neighboring sea area of Sendai Port (B)	Gamo-3	Surface layer	2014/2/21	Sunny	15.7	0.5	1.8	29	3	3	<1	<1
			Lower layer				14.7		30	13	13	<1	<1
10	All other neighboring sea areas	Ido-5	Surface layer	2014/2/21	Sunny	14.1	0.5	2.8	29	<1	2	<1	<1
			Lower layer				13.1		30	6	5	<1	<1
11	Offshore of Abukumagawa River Estuary	Offshore of Abukumagawa River Estuary	Surface layer	2014/1/14	Sunny	9.9	0.5	6.2	20	3	1	<1	<1
			Lower layer				8.9		30	3	1	<1	<1
			Surface layer	2014/2/4	Cloudy	10.2	0.5	4.7	28	2	1	<1	<1
			Lower layer				9.2		28	2	1	<1	<1

• Sampling points are listed from north to south.

• Radioactive materials concentrations contain some measurement errors but are not noted here.

○Coast: Sediment Monitoring Results

Sampling point		Sampling date	Weather	Full depth (m)	General items			Concentration of radioactive material [Bq/kg (dried mud)]			Remarks
No.	Water body				Mud sampling depth (cm)	Mud content %	Property	Radioactive cesium			
								Cs-134	Cs-137	Total	
1	Kesennumawan Bay (B) Offshore of Hachigasaki	2014/2/12	Cloudy	17.9	10	48	Silt/gravel	18	58	76	
2	Kesennumawan Bay (C) Offshore of Oshimakita	2014/2/12	Cloudy	38.8	10	39	Silt	<10	19	19	
3	All other neighboring sea areas Oppawan Bay (Jyusanhama Beach)	2014/2/7	Sunny	19.2	10	69	Silt/sand	<10	23	23	
4	Neighboring sea area of Ishinomaki (C) Mangokuura Lake, M-6 (center)	2014/2/8	Cloudy	3.6	10	43	Silt	19	57	76	
5	Neighboring sea area of Ishinomaki (B) Offshore of Kitakamigawa River Estuary	2014/2/25	Sunny	7.1	5	72	Sand	<10	<10	-	
6	Neighboring sea area of Ishinomaki (C) Offshore of Naruse	2014/2/25	Sunny	14.8	5	53	Silt/sand	<10	16	16	
7	Matsushimawan Bay (B) Nishihama Beach	2014/2/21	Light snow	11.9	10	29	Silt	69	160	229	
8	Neighboring sea area of Sendai Port (A) Naiko Inner Port, 4-Nai	2014/2/21	Sunny	16.9	10	27	Silt	110	310	420	
9	Neighboring sea area of Sendai Port (B) Gamo-3	2014/2/21	Sunny	15.7	3	73	Sand	<10	19	19	
10	All other neighboring sea areas Ido-5	2014/2/21	Sunny	14.1	3	66	Sand	18	30	48	
11	Offshore of Abukumagawa River Estuary Offshore of Abukumagawa River Estuary	2014/1/14	Sunny	9.9	10	75	Sand	14	48	62	
		2014/2/4	Cloudy	10.2	10	79	Sand	15	40	55	

• Sampling points are listed from north to south.

• Radioactive materials concentrations contain some measurement errors but are not noted here.



Legend
 Survey locations
 ● Rivers
 ● Coasts

