

FY2012 Iwate Prefecture Survey Results

[Outline of results]

Radioactive iodine was not detectable at any of the locations tested.

Water Quality

Rivers

Radioactive cesium (Cs-134, Cs-137): Not detectable at any location

Coasts

Radioactive cesium (Cs-134, Cs-137): Not detectable at any location

Sediment

Rivers

Cs-134: ND-380Bq/kg (dried mud)

Cs-137: 6.2-660Bq/kg (dried mud)

Coasts

Cs-134: ND-10Bq/kg (dried mud)

Cs-137: ND-29Bq/kg (dried mud)

Surrounding Environment

(1) Soil

Rivers

Cs-134: ND-6,400Bq/kg (dry)

Cs-137: ND-11,000Bq/kg (dry)

(2) Spatial dose

Rivers 0.07-0.27 μ Sv/h

Table 4.1.1.1 Iwate Pref. River (Water Quality)

Sampling point				Water quality																Remarks
				Sampling date	Weather	Air temperature °C	Full depth m	General items							Radioactive material concentrations (Bq/L)					
No.	Water Body	Point	Municipality					Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity µS/cm	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137		
R i v e r s	1	Sakuragawa River Lower Reaches	Sanobashi Bridge	Ofunato City	2012/06/06	Sunny	26.0	0.9	18.4	0.0	Greenish yellowish pale gray	None	78	164.5	4.1	0.9	-0.63	-0.70	-0.64	
					2012/12/04	Rain	8.5	0.3	9.5	0.0	Grayish greenish yellow	None	40	16.4	9.3	5.8	-0.60	-0.66	-0.73	
	2	Keiengawa River	Anchabashi Bridge	Rikuzentakada City	2012/06/06	Sunny	25.0	0.2	20.3	0.0	Light grayish yellow	None	84	26.0	4.4	2.0	-0.60	-0.64	-0.65	
					2012/12/04	Rain	8.4	0.4	9.1	0.0	Grayish yellow green	None	28	70.7	9.5	8.0	-0.49	-0.66	-0.49	
	3	Okawa River	Prefectural border with Miyagi	Khinosekishi City	2012/06/05	Sunny	28.0	0.3	21.6	0.0	Greenish yellowish white	None	>100	12.5	1.5	1.4	-0.53	-0.60	-0.60	
					2012/09/05	Sunny	30.9	0.5	23.8	0.0	Greenish yellowish white	None	>100	13.2	1.2	1.0	-0.48	-0.63	-0.69	
					2012/12/04	Rain	8.7	0.7	9.3	0.0	Grayish greenish yellow	None	9	10.1	44	36	-0.57	-0.56	-0.57	
					2013/02/05	Sunny	0.8	0.3	4.1	0.0	Light grayish greenish yellow	None	51	18.3	22	5.7	-0.39	-0.67	-0.52	
					2012/06/05	Sunny	29.0	0.7	20.1	0.0	colorless transparent	None	>100	10.2	<1	1.1	-0.65	-0.80	-0.60	
	4	Tsuyugawa River	Chiyogaharabashi Bridge	Khinosekishi City	2012/12/04	Rain	8.8	0.5	9.4	0.0	Grayish greenish yellow	None	38	9.3	3.9	4.0	-0.42	-0.53	-0.44	
					2012/06/07	Cloudy	26.5	0.7	22.3	0.0	Yellowish pale gray	None	>100	14.8	1.2	0.9	-0.46	-0.67	-0.57	
	5	Kurokawagawa River	Kawaradabashi Bridge	Kanezakimachi Town	2012/09/03	Sunny	28.0	0.5	25.8	0.0	Greenish yellowish white	None	>100	18.9	2.8	1.0	-0.60	-0.72	-0.60	
					2012/12/03	Cloudy	6.0	0.3	7.6	0.0	Greenish yellowish light gray	None	>100	15.9	<1	0.6	-0.46	-0.65	-0.56	
					2013/02/06	Cloudy	-0.6	0.3	2.6	0.0	Grayish greenish yellow	None	>100	16.7	1.5	1.4	-0.64	-0.75	-0.58	
6	Kitakamigawa River	Fujibashi Bridge	Ohushi City	2012/06/06	Cloudy	23.0	0.4	20.9	0.0	Light grayish yellow	None	79	14.0	2.0	1.9	-0.55	-0.61	-0.53		
				2012/09/03	Sunny	25.0	0.3	26.2	0.0	Greenish yellowish white	None	>100	21.0	1.8	0.9	-0.61	-0.83	-0.73		
				2012/12/05	Rain	5.2	0.3	7.2	0.0	Grayish yellow green	None	35	14.2	6.4	3.0	-0.46	-0.71	-0.39		
7	Shiratorigawa River	Shiratoribashi Bridge	Ohushi City	2013/02/06	Snow	-0.6	0.5	2.1	0.0	Dark grayish greenish yellow	None	>100	17.8	10	3.7	-0.44	-0.63	-0.57		
				2012/06/07	Sunny	27.0	0.3	22.3	0.0	Light grayish yellow	None	>100	12.0	4.4	2.9	-0.46	-0.61	-0.49		
				2012/09/04	Sunny	28.0	0.2	23.9	0.0	Yellowish white	None	>100	16.5	<1	1.3	-0.63	-0.75	-0.68		
				2012/12/05	Rain	3.8	0.1	7.7	0.0	Yellow greenish white	None	93	16.4	<1	1.5	-0.65	-0.92	-0.75		
				2013/02/06	Snow	-0.9	0.2	2.4	0.0	Grayish reddish yellow	None	>100	17.8	<1	1.2	-0.57	-0.47	-0.59		
8	Koromogawa River	Koromogawabashi Bridge	Hiraitsumicho Town	2012/06/07	Sunny	27.0	0.7	20.9	0.0	Yellowish white	None	>100	13.0	3.7	1.6	-0.61	-0.80	-0.64		
				2012/09/04	Sunny	27.0	0.3	24.4	0.0	Greenish yellowish white	None	>100	13.1	<1	0.6	-0.48	-0.61	-0.62		
				2012/12/06	Sunny	7.8	0.3	7.5	0.0	Dark grayish greenish yellow	None	95	11.8	<1	1.0	-0.64	-0.70	-0.68		
				2013/02/06	Snow	-1.0	0.2	2.0	0.0	Dark grayish greenish yellow	None	>100	13.8	<1	0.8	-0.64	-0.72	-0.70		
9	Otogawa River	Hitosujibashi Bridge	Hiraitsumicho Town	2012/06/07	Sunny	26.5	0.2	19.0	0.0	Reddish yellowish white	None	>100	21.3	2.4	2.5	-0.48	-0.61	-0.68		
				2012/12/06	Sunny	8.8	0.3	6.8	0.0	Grayish greenish yellow	None	75	25.7	4.5	2.0	-0.47	-0.60	-0.54		
10	Iwaigawa River Middle Reaches	Kaminohashi Bridge	Hiraitsumicho Town	2012/06/04	Cloudy	26.5	0.2	21.2	0.0	colorless transparent	None	>100	19.1	<1	0.5	-0.65	-0.67	-0.68		
				2012/09/04	Sunny	32.0	0.3	28.8	0.0	Greenish yellowish white	None	>100	21.9	2.0	0.8	-0.57	-0.70	-0.57		
				2012/12/06	Sunny	6.5	0.4	6.2	0.0	Grayish greenish yellow	None	38	21.5	8.9	2.4	-0.53	-0.66	-0.66		
				2013/02/04	Snow	0.3	0.3	3.6	0.0	Dark grayish greenish yellow	None	>100	21.8	1.8	1.6	-0.51	-0.56	-0.57		
11	Kitakamigawa River	Chitosebashi Bridge (Kozenji)	Hiraitsumicho Town	2012/06/04	Cloudy	21.9	0.2	21.9	0.0	Greenish yellowish pale gray	None	98	21.7	3.7	2.4	-0.56	-0.63	-0.56		
				2012/09/04	Sunny	32.0	0.5	27.5	0.0	Greenish yellowish white	None	>100	18.6	<1	0.6	-0.65	-0.63	-0.71		
				2012/12/04	Rain	7.2	0.2	6.7	0.0	Dark grayish yellow green	None	70	14.3	2.5	2.4	-0.54	-0.71	-0.54		
				2013/02/05	Sunny	0.3	0.8	2.7	0.0	Dark grayish yellow green	None	89	17.7	1.4	1.3	-0.48	-0.72	-0.56		
12	Unadabashi Bridge	Khinosekishi City	Khinosekishi City	2012/06/06	Sunny	27.0	0.3	23.3	0.0	Yellowish white	None	>100	17.6	2.5	2.0	-0.53	-0.56	-0.59		
				2012/09/04	Cloudy	26.0	0.4	24.2	0.0	Yellowish white	None	>100	17.2	<1	0.6	-0.49	-0.44	-0.63		
				2012/12/04	Rain	8.1	0.3	8.2	0.0	Dark grayish greenish yellow	None	28	17.2	12	7.9	-0.47	-0.64	-0.55		
				2013/02/05	Sunny	0.3	0.3	4.2	0.0	Grayish yellow	None	75	21.5	1.1	1.3	-0.59	-0.72	-0.70		
				2012/06/06	Cloudy	27.9	0.5	19.9	0.0	Yellowish white	None	>100	25.7	<1	1.3	-0.61	-0.69	-0.68		
13	Satetsugawa River	Kannonbashi Bridge	Khinosekishi City	2012/09/04	Sunny	28.0	0.7	22.5	0.0	Greenish yellowish white	None	>100	27.9	1.9	0.7	-0.46	-0.70	-0.66		
				2012/12/04	Rain	7.5	0.2	7.9	0.0	Light grayish greenish yellow	None	3	31.4	58	56	-0.62	-0.80	-0.76		
				2013/02/05	Snow	-1.0	0.3	3.5	0.0	Dark grayish greenish yellow	None	>100	26.7	<1	0.4	-0.55	-0.66	-0.60		
				2012/06/05	Sunny	28.0	0.4	22.3	0.0	colorless transparent	None	>100	16.0	1.2	1.4	-0.49	-0.65	-0.63		
14	Kanzakubashi Bridge	Khinosekishi City	Khinosekishi City	2012/09/05	Sunny	23.5	0.4	21.2	0.0	Greenish yellowish white	None	75	17.4	5.7	0.9	-0.48	-0.59	-0.63		
				2012/12/05	Rain	8.7	0.7	7.6	0.0	Dark grayish yellow green	None	48	16.0	6.1	1.6	-0.51	-0.70	-0.59		
				2013/02/06	Snow	0.0	0.6	4.3	0.0	Grayish yellow green	None	58	23.4	1.2	0.9	-0.63	-0.78	-0.71		

Table 4.1.1.1 Iwate Pref. River (Water Quality)

	Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality											Remarks
	No.	Water Body	Point	Municipality					General items						Radioactive material concentrations (Bq/L)					
									Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity μS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
R i v e r s	15	Kitakami River Upper Reaches	Miyatabashi Bridge	Khinoshiki City	2012/06/05	Sunny	29.0	0.3	21.9	0.0	Light grayish yellow	None	>100	16.1	1.2	1.1	-0.50	-0.74	-0.60	
					2012/09/05	Sunny	28.0	0.3	22.5	0.0	Yellowish white	None	>100	15.0	2.3	0.8	-0.65	-0.56	-0.62	
					2012/12/04	Rain	8.4	0.1	8.3	0.0	Grayish greenish yellow	None	15	16.3	27	26	-0.53	-0.59	-0.57	
	2013/02/05	Sunny	2.5		0.4	3.9	0.0	Grayish greenish yellow	None	>100	18.1	<1	1.2	-0.57	-0.64	-0.47				
	2012/06/05	Sunny	28.0		0.4	20.2	0.0	Light grayish yellow	None	>100	11.9	2.1	1.8	-0.66	-0.70	-0.71				
	16	Kitakami River	Kitakamiwabashi Bridge		2012/09/05	Sunny	27.0	0.4	25.5	0.0	Greenish yellowish white	None	62	16.2	4.3	1.0	-0.55	-0.51	-0.60	
					2012/12/05	Sunny	6.2	0.1	7.0	0.0	Dark grayish yellow	None	27	13.7	8.2	4.6	-0.47	-0.53	-0.57	
					2013/02/06	Sunny	-0.3	0.2	3.4	0.0	Dark grayish greenish yellow	None	>100	16.9	1.0	1.3	-0.45	-0.44	-0.59	
	17	Kinomigawa River	Higuchiashi Bridge		2012/06/05	Sunny	24.0	0.6	20.1	0.0	Light grayish yellow	None	97	20.8	2.0	1.9	-0.46	-0.61	-0.57	
					2012/09/05	Sunny	27.0	0.5	24.1	0.0	Yellowish white	None	64	18.7	5.9	1.6	-0.51	-0.56	-0.60	
					2012/12/05	Sunny	1.8	0.4	6.3	0.0	Grayish greenish yellow	None	38	19.8	4.8	4.0	-0.45	-0.64	-0.57	
	18	Kinryugawa River	Tenjinbashi Bridge		2013/02/05	Sunny	-0.6	0.5	3.8	0.0	Light grayish greenish yellow	None	88	24.6	2.9	2.1	-0.63	-0.85	-0.60	
					2012/06/05	Sunny	21.0	0.3	19.4	0.0	Light grayish yellow	None	12	11.4	23	12	-0.49	-0.79	-0.59	
					2012/09/05	Sunny	29.0	0.2	27.2	0.0	Light grayish yellow	None	39	13.8	11	4.1	-0.45	-0.59	-0.56	
					2012/12/05	Sunny	6.8	0.3	6.2	0.0	Grayish yellow green	None	33	18.5	8.6	6.0	-0.70	-0.83	-0.68	
				2013/02/06	Snow	-0.7	0.5	2.6	0.0	Dark grayish greenish yellow	None	47	21.1	6.9	5.7	-0.51	-0.61	-0.65		

Table 4.1.1.2 Iwate Pref. River (Sediment)

R i v e r s	Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment														Radioactive material concentrations (Bq/kg dried mud)			Remarks
	No.	Water Body	Point	Municipality					General items										Radioactive material concentrations (Bq/kg dried mud)							
									Mud temperature	Mud sampling depth cm	Color	Odor	Mechanical composition %					Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium				
													Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand					Silt	Clay	Cs-134	Cs-137	
K i t a k a m i g a w a R i v e r	16	Kitakami-gawa River	Kitakami-gawahashi Bridge	Ichinosekishi City	2012/06/05	Sunny	28.0	0.4	21.2	5	Dark grayish reddish yellow	None	0.6	3.1	11.8	71.8	7.0	5.7	0.0	88.5	2.639	Sand	-3.7	17	34	
					2012/09/05	Sunny	27.0	0.4	25.0	3	Dark grayish reddish yellow	None	0.0	0.0	24.3	61.0	11.1	3.6	0.0	87.8	2.732	Sand	-4.2	24	41	
					2012/12/05	Sunny	6.2	0.1	6.6	3	Dark grayish reddish yellow	None	1.1	6.1	3.1	33.2	28.7	27.7	0.1	79.4	2.738	Sand	-4.2	28	57	
					2013/02/06	Sunny	-0.3	0.2	2.5	4	Dark grayish reddish yellow	None	25.1	33.1	27.9	13.1	0.1	0.7	0.0	93.8	2.705	Gravel/sand	-3.4	12	16	
	K i n o m i g a w a R i v e r	17	Kinomigawa River	Higuchi-bashi Bridge	Ichinosekishi City	2012/06/05	Sunny	24.0	0.6	18.9	5	Dark grayish yellow	None	0.0	0.2	33.5	36.4	21.8	8.1	0.0	85.0	2.68	Sand/silt	-5.5	100	170
						2012/09/05	Sunny	27.0	0.5	24.1	2	Dark grayish reddish yellow	Faint seaweed	1.0	16.3	54.2	24.8	2.0	1.6	0.0	93.0	2.698	Sand	-4.3	52	86
						2012/12/05	Sunny	1.8	0.4	6.5	3	Yellowish black	None	0.0	1.2	1.1	32.2	37.6	27.9	0.0	56.0	2.664	Sand	-12	350	630
						2013/02/05	Sunny	-0.6	0.5	2.7	2	Dark grayish yellow	None	6.9	0.5	12.3	53.1	18.3	8.8	0.0	81.2	2.719	Sand	-4.6	43	80
						2012/06/05	Sunny	21.0	0.3	19.3	5	Dark grayish greenish yellow	None	4.8	25.4	22.3	23.6	17.4	6.5	0.0	89.3	2.645	Gravel/sand	-5.3	84	130
						2012/09/05	Sunny	29.0	0.2	26.1	2	Dark grayish reddish yellow	Seaweed	6.3	42.0	38.8	10.2	1.7	1.0	0.0	92.8	2.684	Sand	-5.9	150	250
K i n y u g a w a R i v e r	18	Kinryugawa River	Tenjinbashi Bridge	Ichinosekishi City	2012/12/05	Sunny	6.8	0.3	6.5	3	Dark grayish yellow	None	4.4	18.0	35.3	29.5	6.2	6.7	0.0	87.9	2.678	Gravel/sand	-5.0	59	110	
					2013/02/06	Snow	-0.7	0.5	1.6	4	Dark grayish reddish yellow	Sewage	0.0	0.8	19.8	63.2	11.9	4.3	0.0	88.5	2.678	Sand/silt	-6.3	130	240	

Table 4.1.1.3 Iwate Pref. River (Surrounding Environment)

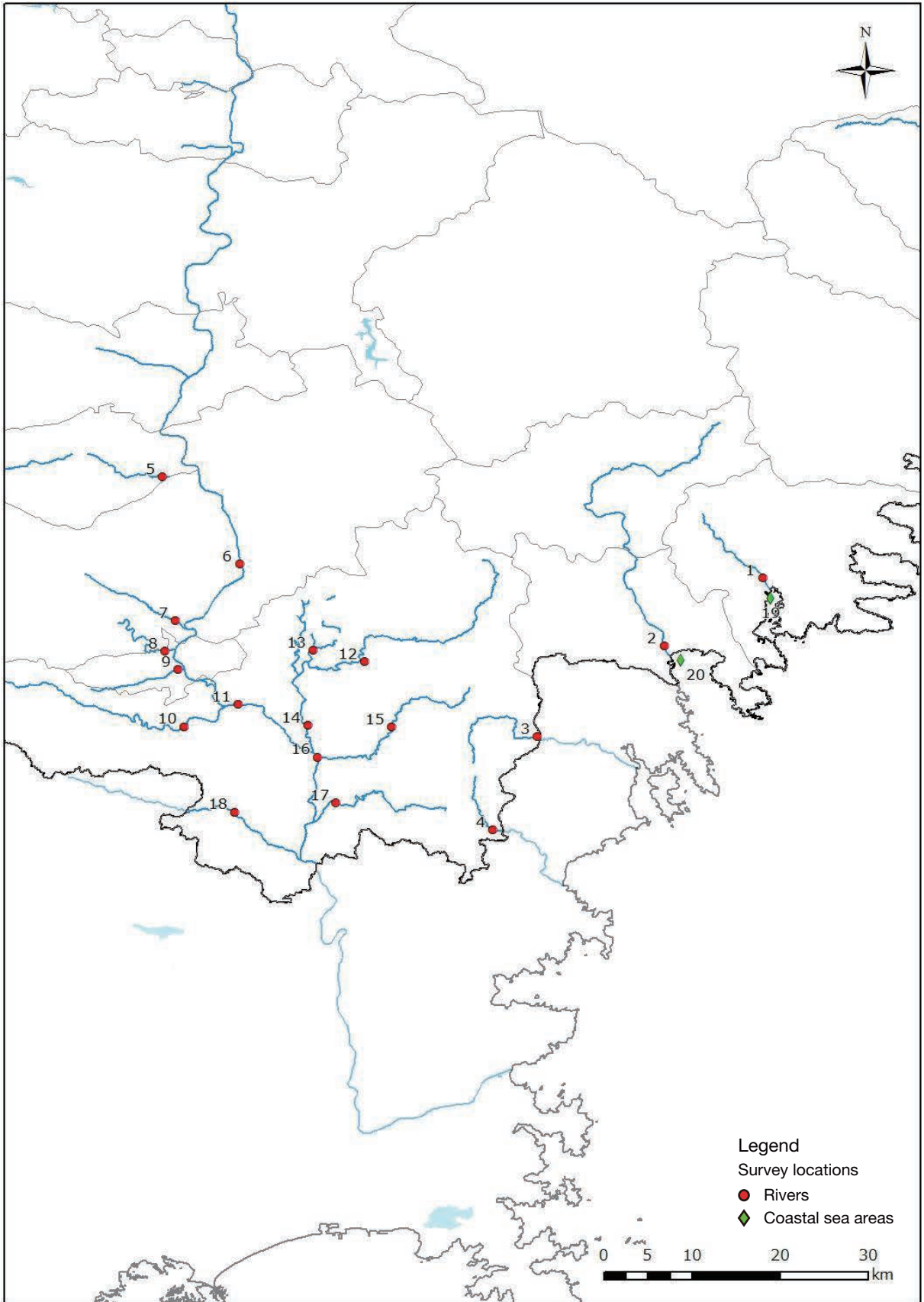
Sampling point				Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)											Remarks										
							Left bank					Right bank					Air dose μSv/h											
No.	Water Body	Point	Municipality	Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h	Soil			Radioactive material concentrations (Bq/kg (dry))				Air dose μSv/h										
				General items			Radioactive iodine				Radioactive cesium			General items			Radioactive iodine			Radioactive cesium								
				Color	Odor	Property	I-131			Cs-134			Cs-137				I-131			Cs-134			Cs-137					
R i v e r s	K i t a k a m i g a w a	Setumayagawa River Upper Reaches	Miyotabashi Bridge	Ichinosekishi City	2012/06/05	Sunny	29.0	Very dark yellow red	None	Loamy	-8.6	240	420	0.17	Very dark yellow red	None	Loamy	-7.3	290	430	0.19							
					2012/09/05	Sunny	28.0	Very dark reddish yellow	Leaf mold	Loamy	-14	710	1,100	0.15	Very dark yellow	Earth	Loamy	-14	670	1,100	0.18							
					2012/12/04	Rain	8.4	Very dark yellow red	Earth	Loamy	-14	690	1,200	0.17	Very dark yellow	Earth	Loamy/sandy	-6.2	180	310	0.20							
					2013/02/05	Sunny	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.
					2012/06/05	Sunny	28.0	Very dark yellow red	None	Loamy	-14	860	1,300	0.15	Dark reddish yellow	None	Sandy	-8.0	140	230	0.22							
	i s t e r	Kitakamigawa River	Kitakamigawabashi Bridge	Ichinosekishi City	2012/09/05	Sunny	27.0	Dark reddish yellow	Earth	Loamy	-11	450	730	0.15	Dark yellow	Earth	Loamy	-8.6	300	470	0.20							
					2012/12/05	Sunny	6.2	Dark reddish yellow	Earth	Loamy	-12	680	1,200	0.18	Very dark reddish yellow	Earth	Loamy	-5.5	99	150	0.19							
					2013/02/06	Sunny	-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
					2012/06/05	Sunny	24.0	Dull yellow	None	Clayish	-4.2	25	45	0.09	Very dark yellow red	None	Loamy	-6.7	110	170	0.08							
					2012/09/05	Sunny	27.0	Very dark yellow	Earth	Skeletal/loamy	-8.5	300	510	0.09	Very dark reddish yellow	Earth	Loamy	-4.9	80	140	0.07							
	v e r	Kinomigawa River	Higuchibashi Bridge	Ichinosekishi City	2012/12/05	Sunny	1.8	Very dark yellow	Earth	Loamy/skeletal	-6.9	160	280	0.10	Very dark yellow	Earth	Loamy/skeletal	-6.9	100	180	0.08							
					2013/02/05	Sunny	-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	(Left bank) Unable to collect samples due to snow on the ground.	
					2012/06/05	Sunny	21.0	Very dark reddish yellow	None	Loamy	-8.6	320	480	0.25	Very dark reddish yellow	None	Loamy	-11	400	620	0.26							
	e r s	S y s t e m	Kinryugawa River	Tenjinbashi Bridge	Ichinosekishi City	2012/09/05	Sunny	29.0	Dark reddish yellow	Earth	Loamy	-14	680	1,100	0.23	Dark reddish yellow	Earth	Loamy	-11	680	1,100	0.27						
						2012/12/05	Sunny	6.8	Very dark yellow red	Earth	Loamy	-12	520	870	0.27	Very dark reddish yellow	Earth	Loamy	-12	360	600	0.24						
2013/02/06						Snow	-0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	

Table 4.1.2.1 Iwate Pref. Coastal Area (Water Quality)

	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality											Remarks
	No.	Water Body	Surface layer/bottom layer					General items					Radioactive material concentrations (Bq/L)						
								Water temperature °C	Sampling depth m	Color	Odor	Secchi disk depth m	Salinity ‰	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
Coastal sea areas	19	Ofunatowan Bay (A)	S-31	Surface layer	2012/11/28	Sunny	9.5	17.3	13.3	0.5	Dark yellowish green	None	7.0	36.3	3.0	0.7	<0.51	<0.64	<0.65
				Bottom layer					14.8	16.3	-			37.6	1.5	5.3	<0.50	<0.56	<0.57
				Surface layer	2013/03/05	Sunny	2.6	19.0	7.0	0.5	Dull bluish green	None	7.5	27.7	4.4	1.3	<0.54	<0.59	<0.65
				Bottom layer					6.9	18.0	-			29.4	7.4	1.6	<0.54	<0.61	<0.59
	20	Hirotawan Bay	S-34	Surface layer	2012/11/29	Cloudy	8.9	11.3	13.2	0.5	Dark yellowish green	None	4.0	36.5	3.7	1.1	<0.53	<0.70	<0.70
				Bottom layer					13.7	10.3	-			37.5	7.9	3.0	<0.52	<0.56	<0.58
				Surface layer	2013/02/26	Sunny	-1.0	13.5	5.4	0.5	Light bluish green	None	7.3	32.0	4.3	1.0	<0.55	<0.56	<0.62
				Bottom layer					5.2	12.5	-			34.2	5.1	1.1	<0.52	<0.73	<0.66

Table 4.1.2.2 Iwate Pref. Coastal Area (Sediment)

	Sampling point		Sampling date	Weather	Air temperature °C	Full depth m	Sediment																	Remarks		
							No.	Water Body	General items										Radioactive material concentrations (Bq/kg dried mud)							
	Mud temperature °C	Mud sampling depth cm							Color	Odor	Mechanical composition %						Mud content %	Density g/cm ³	Property	Radioactive iodine			Radioactive cesium			
											Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt				Clay	I-131	Cs-134	Cs-137			
Coastal sea areas	19	Ofunatowan Bay (A)	S-31	2012/11/28	Sunny	9.5	17.3	15.6	10	Yellowish black	Sludge	0.0	0.0	1.4	12.1	25.7	60.5	0.4	53.4	2.545	Silt	-6.4	10	23		
				2013/03/05	Sunny	2.6	19.0	6.5	10	Reddish yellowish dark gray	Sludge	0.0	0.0	0.0	2.0	29.3	68.4	0.3	54.6	2.607	Silt	<7.2	10	29		
	20	Hirotawan Bay	S-34	2012/11/29	Cloudy	8.9	11.3	13.8	5	Yellowish black	None	0.0	0.3	1.2	62.6	28.6	7.4	0.0	91.0	2.706	Sand	<3.6	<5.9	<4.5		
				2013/02/26	Sunny	-1.0	13.5	6.3	5	Dark grayish reddish yellow	None	0.0	0.9	13.7	65.5	16.9	3.1	0.0	87.9	2.752	Sand	<3.9	<5.1	<4.2		



Survey Locations (Iwate Prefecture)