

FY2012 Fukushima Prefecture Survey Results

[Survey Results]

Radioactive iodine was not detectable at any of the locations tested

Water Quality

Rivers

Cs-134: ND-2.1Bq/L

Cs-137: ND-2.5Bq/L

Lakes and headwaters

Cs-134: ND-35Bq/L

Cs-137: ND-65Bq/L

Coasts

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

Sediment

Rivers

Cs-134: ND-65,000Bq/kg (dried mud)

Cs-137: ND-100,000Bq/kg (dried mud)

Lakes and headwaters

Cs-134: ND-290,000Bq/kg (dried mud)

Cs-137: ND-490,000Bq/kg (dried mud)

Coasts

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

Cs-137: 5.9-730Bq/kg (dried mud)

Surrounding Environment

(1) Soil

Rivers

Cs-134: ND -73,000Bq/kg (dry)

Cs-137: ND -130,000Bq/kg (dry)

Lakes and headwaters

Cs-134: ND-400,000Bq/kg (dry)

Cs-137: 21-650,000Bq/kg (dry)

(2) Spatial dose

Rivers

0.05-11.90 μ Sv/h

Lakes and headwaters

0.04-51.04 μ Sv/h

Table 4.3.1.1(1) Fukushima Pref. (Hamadori Area) River (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks	
No.	Point		Municipality					General items						Radioactive material concentrations (Bq/L)					
								Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Cs-137
1	Izogawa River	Hamatabashi Bridge	Shinchimachi Town	2012/05/21	Cloudy	17.4	3.0	18.1	0.0	Grayish yellow green	None	49	3,170	4.4	2.4	-0.47	-0.63	-0.56	
				2012/07/19	Cloudy	27.0	0.8	23.7	0.0	Light grayish yellow	None	56	1,585	3.8	3.4	-0.65	-0.67	-0.62	
				2012/08/31	Sunny	25.5	2.0	27.8	0.0	Dark grayish greenish yellow	None	79	2,690	2.7	2.7	-0.66	-0.78	-0.78	
				2012/11/08	Sunny	17.5	3.4	17.3	0.0	Yellowish white	None	63	4,740	7.7	3.8	-0.44	-0.65	-0.52	
				2012/12/18	Cloudy	6.0	0.3	9.0	0.0	Yellowish white	None	>100	4,750	5.8	2.4	-0.41	-0.48	-0.63	
	2	Koizumigawa River	Koizumibashi Bridge	Shinchimachi Town	2013/01/15	Sunny	2.1	0.3	6.1	0.0	Greenish yellowish white	None	75	4,530	8.7	4.2	-0.70	-0.78	-0.68
					2012/05/22	Light rain	14.3	0.5	15.9	0.0	Grayish yellowish green	None	44	18.3	5.2	3.1	-0.57	-0.59	-0.65
					2012/07/19	Cloudy	21.0	0.5	22.5	0.0	Greenish yellowish white	None	>100	17.7	4.1	2.3	-0.53	-0.64	-0.57
					2012/08/27	Sunny	33.0	2.0	28.4	0.0	Reddish yellowish black	None	>100	19.4	3.0	0.9	-0.47	-0.56	-0.63
					2012/11/08	Sunny	18.5	0.4	13.9	0.0	Greenish yellowish white	None	>100	31.5	2.2	1.3	-0.60	-0.68	-0.55
	3	Hyakkenbashi Bridge	Somashi City	Somashi City	2012/12/17	Cloudy	7.7	0.3	9.2	0.0	Light grayish yellow	None	>100	48.7	4.1	2.0	-0.49	-0.67	-0.52
					2013/01/15	Snow	0.6	0.3	4.3	0.0	Yellowish white	Sewage	>100	91.5	4.4	2.8	-0.47	-0.71	-0.54
					2012/05/22	Light rain	12.7	0.3	17.2	0.0	Light grayish greenish yellow	None	27	267	11	7.2	-0.59	-0.78	-0.62
					2012/07/19	Cloudy	24.0	0.3	26.5	0.0	Light grayish greenish yellow	None	40	1,748	3.5	0.6	-0.46	-0.65	-0.57
					2012/08/27	Sunny	31.0	1.5	30.5	0.0	Grayish yellow	None	30	4,450	5.9	2.8	-0.52	-0.66	-0.57
4	Udagawa River	Hyakkenbashi Bridge	Somashi City	2012/11/08	Sunny	16.4	2.4	16.2	0.0	Greenish yellowish white	None	65	4,250	8.0	4.6	-0.58	-0.66	-0.68	
				2012/12/17	Cloudy	6.7	2.1	7.1	0.0	Yellowish white	None	72	4,080	7.2	2.3	-0.56	-0.61	-0.64	
				2013/01/17	Sunny	3.7	1.1	4.4	0.0	Yellowish white	None	41	3,350	17	11	-0.55	-0.79	-0.68	
				2012/05/22	Cloudy	16.0	0.6	14.6	0.0	Yellow greenish white	None	>100	8.8	<1	0.7	-0.51	-0.70	-0.51	
				2012/07/19	Cloudy	22.0	0.4	21.8	0.0	Yellowish white	None	>100	8.7	<1	0.6	-0.63	-0.60	-0.62	
5	Ochiubashi Bridge	Minamisomashi City	Minamisomashi City	2012/08/27	Sunny	32.2	2.0	23.8	0.0	Colorless transparent	None	>100	10.5	<1	0.5	-0.61	-0.80	-0.75	
				2012/11/08	Sunny	16.8	0.4	11.1	0.0	Greenish yellowish white	None	>100	13.1	<1	0.4	-0.49	-0.51	-0.54	
				2012/12/17	Cloudy	7.9	0.3	6.0	0.0	Greenish yellowish white	None	>100	24.9	<1	0.7	-0.48	-0.56	-0.60	
				2013/01/15	Sunny	-0.2	0.4	2.2	0.0	Greenish yellowish white	Faint seaweed	>100	34.7	<1	0.5	-0.53	-0.61	-0.47	
				2012/05/22	Cloudy	13.3	0.2	15.7	0.0	Yellow greenish white	None	>100	151.0	<1	1.4	-0.51	-0.65	-0.50	
6	Majimabashi Bridge	Minamisomashi City	Minamisomashi City	2012/07/19	Cloudy	-	0.7	22.9	0.0	Dark grayish greenish yellow	None	>100	301	<1	1.3	-0.52	-0.53	-0.62	
				2012/08/27	Sunny	33.0	1.0	30.8	0.0	Grayish yellow red	None	59	1,940	1.7	1.4	-0.53	-0.71	-0.50	
				2012/11/08	Sunny	17.5	0.8	15.5	0.0	Greenish yellowish white	None	>100	3,400	3.7	1.5	-0.54	-0.78	-0.49	
				2012/12/17	Cloudy	7.2	1.5	6.9	0.0	Yellowish white	None	60	621	3.1	1.3	-0.48	-0.61	-0.61	
				2013/01/17	Sunny	3.6	1.0	1.8	0.0	Yellowish white	None	72	1,332	3.4	1.9	-0.46	-0.63	-0.49	
7	Nidagawa River	Kusano	Itatemura Village	2013/02/11	Cloudy	-2.9	0.5	3.4	0.0	Light grayish reddish yellow	None	32	3,270	41	11	-0.47	-0.56	-0.56	
				2012/05/22	Cloudy	14.7	0.5	14.2	0.0	Yellow greenish white	None	>100	8.6	<1	0.6	-0.72	-0.70	-0.66	
				2012/07/19	Cloudy	21.0	0.4	20.0	0.0	Dark grayish yellow red	None	>100	12.5	<1	1.3	-0.44	-0.65	-0.49	
				2012/08/21	Sunny	34.3	0.5	23.9	0.0	Light grayish yellow green	None	>100	11.9	<1	0.7	-0.62	-0.60	-0.54	
				2012/11/07	Sunny	17.0	0.8	15.1	0.0	Greenish yellowish white	None	>100	20.4	<1	0.8	-0.51	-0.68	-0.60	
8	Nidagawa River	Kusano	Itatemura Village	2012/12/17	Cloudy	11.0	0.9	9.5	0.0	Yellowish white	None	>100	29.6	<1	0.4	-0.41	-0.65	-0.50	
				2013/01/15	Sunny	0.2	1.1	5.5	0.0	Greenish yellowish white	None	>100	16.8	<1	0.9	-0.57	-0.60	-0.64	
				2012/06/13	Cloudy	16.9	3.6	14.8	0.0	Dull yellow	None	69	17.8	<1	0.7	-0.49	-0.67	-0.56	
				2012/07/05	Cloudy	24.0	0.3	23.4	0.0	Grayish yellow	None	>100	1,449	14	3.1	-0.65	-0.72	-0.70	
				2012/08/21	Sunny	34.3	0.2	28.1	0.0	Dark grayish blue	None	47	1,349	5.0	2.0	-0.47	-0.59	0.58	
9	Nidagawa River	Kusano	Itatemura Village	2012/11/12	Rain	18.0	0.5	16.3	0.0	Yellowish white	None	>100	3,060	4.8	2.9	-0.57	-0.98	-0.76	
				2012/12/20	Sunny	2.6	0.3	7.8	0.0	Light grayish yellow green	None	76	4,750	3.8	1.9	-0.49	-0.64	-0.57	
				2013/01/15	Sunny	1.3	0.4	8.5	0.0	Yellowish white	None	73	4,320	11	5.8	-0.65	-0.78	-0.48	
				2012/06/14	Cloudy	16.0	0.5	13.9	0.0	Pale yellow	None	88	6.6	2.4	0.9	-0.55	-0.56	-0.60	
				2012/07/03	Cloudy	23.0	0.7	18.5	0.0	Greenish yellowish white	Faint earth	>100	6.5	4.1	1.6	-0.62	-0.78	-0.68	
10	Nidagawa River	Kusano	Itatemura Village	2012/08/07	Sunny	23.0	0.5	25.6	0.0	Light grayish yellow green	None	>100	6.7	2.0	1.0	-0.62	-0.66	-0.68	
				2012/11/06	Rain	13.6	0.4	11.7	0.0	Light grayish greenish yellow	None	>100	8.8	<1	0.9	-0.46	-0.59	-0.49	
				2012/12/25	Snow	2.2	0.6	3.1	0.0	Greenish yellowish white	None	>100	8.3	3.6	1.4	-0.57	-0.64	-0.65	
11				2013/02/11	Cloudy	-5.3	0.3	2.4	0.0	Light grayish yellow	None	>100	10.8	<1	0.8	-0.52	-0.77	-0.65	

Table 4.3.1.1(1) Fukushima Pref. (Hamadori Area) River (Water Quality)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
							General items					Radioactive material concentrations (Bq/L)							
No.	Point	Municipality	Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137						
9	Komiya	Iitatemura Village	2012/06/14	Cloudy	16.0	0.2	13.1	0.0	Soft yellow	None	82	6.9	2.3	1.0	-0.69	-0.70	-0.79		
			2012/07/03	Cloudy	26.0	0.5	18.7	0.0	Light grayish yellow	None	>100	6.9	2.6	1.1	-0.46	-0.58	-0.68		
			2012/08/08	Sunny	20.0	0.5	19.6	0.0	Yellowish white	None	>100	7.0	1.9	1.0	-0.49	-0.56	0.66		
			2012/11/06	Cloudy	13.9	0.4	12.2	0.0	Grayish greenish yellow	None	83	8.7	2.9	1.4	-0.62	-0.80	-0.66		
			2012/12/25	Snow	0.3	0.5	3.4	0.0	Greenish yellowish white	None	>100	8.3	-1	0.6	-0.54	-0.66	-0.65		
			2013/02/12	Sunny	-1.0	0.5	1.6	0.0	Greenish yellowish white	None	>100	21.7	1.2	0.7	-0.62	-0.78	-0.71		
	10	Niidagawa River	Kidouchibashi Bridge	2012/06/13	Light rain	15.2	1.8	14.2	0.0	Soft yellow	None	79	6.6	1.2	1.1	-0.48	-0.48	0.55	
				2012/07/03	Cloudy	26.0	1.8	18.0	0.0	Yellow greenish white	None	>100	6.6	1.5	1.0	-0.65	-0.85	-0.70	
				2012/07/24	Cloudy	25.0	1.3	19.9	0.0	Light grayish reddish yellow	None	10	5.8	26	6.2	-0.67	2.1	2.5	
				2012/08/21	Sunny	29.9	0.5	24.9	0.0	Light grayish yellow green	None	>100	7.4	1.2	0.7	-0.44	-0.53	-0.52	
		11	Sakakawabashi Bridge	Minamisomashi City	2012/11/07	Sunny	16.9	1.0	13.5	0.0	Greenish yellowish white	None	>100	10.5	-1	0.6	-0.46	-0.63	-0.52
					2012/12/20	Sunny	1.8	0.3	4.2	0.0	Light grayish yellow green	None	>100	26.7	-1	0.3	-0.57	-0.64	-0.59
					2013/01/15	Sunny	2.1	0.8	3.3	0.0	Greenish yellowish white	None	>100	8.1	-1	0.6	-0.41	-0.63	-0.52
					2012/06/13	Light rain	17.5	1.5	15.5	0.0	Soft yellow	None	83	8.6	1.4	0.8	-0.62	-0.80	-0.72
	12	Ishiwatadobashi Bridge	Minamisomashi City	2012/07/03	Cloudy	23.0	0.8	18.8	0.0	Yellowish white	None	>100	11.5	6.7	1.5	-0.54	-0.67	-0.64	
				2012/07/24	Cloudy	25.0	0.6	20.8	0.0	Greenish yellowish pale gray	None	20	11.1	9.8	2.7	-0.52	-0.58	0.76	
				2012/08/21	Sunny	28.7	0.6	26.8	0.0	Light grayish yellow green	None	>100	118.3	1.4	1.0	-0.50	-0.63	-0.58	
				2012/11/12	Rain	17.0	0.8	14.7	0.0	Grayish yellow	Sewage	>100	166.5	4.1	2.0	-0.65	-0.67	-0.76	
		13	Kaminouchibashi Bridge	Minamisomashi City	2012/12/20	Cloudy	5.1	0.2	6.2	0.0	Light grayish yellow green	None	>100	965	1.3	1.2	-0.45	-0.68	-0.65
					2013/01/15	Sunny	1.7	0.4	4.5	0.0	Yellowish white	None	68	544	3.2	1.9	-0.45	-0.66	-0.49
2012/06/13					Light rain	16.0	0.7	15.3	0.0	Pale greenish yellow	None	>100	4.6	-1	1.0	-0.50	0.56	0.66	
2012/07/04					Sunny	25.0	1.0	17.2	0.0	Light grayish greenish yellow	None	>100	4.1	1.0	1.1	-0.45	-0.72	0.96	
14	Okagawa River	Masudabashi Bridge	2012/07/25	Cloudy	28.0	0.3	19.3	0.0	Greenish yellowish white	None	>100	4.5	-1	0.3	-0.50	-0.71	-0.50		
			2012/08/22	Sunny	32.1	0.5	23.5	0.0	Grayish yellowish green	None	>100	6.1	-1	0.3	-0.65	-0.75	0.88		
			2012/11/07	Sunny	18.7	0.5	14.9	0.0	Greenish yellowish white	None	>100	8.1	-1	0.5	-0.60	-0.70	-0.65		
			2012/12/20	Sunny	4.8	0.6	6.2	0.0	Greenish yellowish white	None	>100	7.8	-1	0.4	-0.51	-0.53	-0.46		
	15	JR Tetsudobashi Bridge	Minamisomashi City	2013/01/15	Sunny	0.5	0.3	4.6	0.0	Greenish yellowish white	None	>100	7.4	-1	0.8	-0.61	-0.75	-0.58	
				2012/06/13	Light rain	17.0	0.8	16.0	0.0	Soft yellow	None	>100	5.0	1.5	1.0	-0.40	0.64	0.69	
				2012/07/04	Sunny	27.0	1.2	19.4	0.0	Grayish greenish yellow	None	94	4.4	2.8	1.2	-0.32	0.45	1.1	
				2012/07/25	Cloudy	27.0	1.2	20.0	0.0	Greenish yellowish white	None	>100	4.7	-1	0.4	-0.59	-0.75	-0.69	
15	JR Tetsudobashi Bridge	Minamisomashi City	2012/08/22	Sunny	31.8	0.4	23.9	0.0	Light grayish yellow green	None	>100	6.2	-1	0.3	-0.48	0.76	0.80		
			2012/11/07	Sunny	15.2	0.4	14.8	0.0	Greenish yellowish white	None	>100	9.9	-1	0.5	-0.47	-0.60	0.84		
			2012/12/20	Cloudy	2.1	0.4	5.3	0.0	Light grayish yellow green	None	>100	11.1	-1	0.2	-0.49	-0.64	-0.49		
			2013/01/16	Sunny	5.1	0.4	4.8	0.0	Greenish yellowish white	None	>100	10.4	-1	0.3	-0.47	-0.71	-0.60		
	15	JR Tetsudobashi Bridge	Minamisomashi City	2012/06/12	Cloudy	21.2	0.5	16.3	0.0	Greenish yellowish white	None	>100	6.3	-1	0.8	-0.68	-0.70	-0.60	
				2012/07/04	Sunny	26.0	1.0	19.5	0.0	Yellowish white	None	>100	5.0	1.3	0.7	-0.50	-0.58	0.69	
				2012/07/24	Rain	24.1	1.0	20.3	0.0	Yellowish white	None	40	5.3	-1	0.4	-0.54	-0.64	-0.60	
				2012/08/22	Sunny	32.3	0.8	23.7	0.0	Light grayish yellow green	None	>100	7.5	1.0	0.6	-0.51	-0.59	-0.62	
15	JR Tetsudobashi Bridge	Minamisomashi City	2012/11/07	Sunny	13.6	0.8	15.9	0.0	Greenish yellowish white	None	>100	14.5	-1	0.7	-0.62	-0.78	-0.56		
			2012/12/20	Cloudy	5.1	0.9	8.6	0.0	Light grayish yellow green	None	>100	12.6	-1	0.6	-0.83	-0.61	-0.47		
			2013/01/16	Sunny	4.4	0.2	8.5	0.0	Greenish yellowish white	None	>100	11.0	-1	0.3	-0.53	-0.66	-0.60		
			2012/06/12	Cloudy	20.0	0.3	16.8	0.0	Yellow greenish white	None	>100	6.3	2.0	1.1	-0.61	-0.64	0.64		
15	JR Tetsudobashi Bridge	Minamisomashi City	2012/07/03	Cloudy	21.0	1.0	17.4	0.0	Greenish yellowish white	None	91	4.9	4.2	1.4	-0.51	-0.64	0.79		
			2012/07/24	Sunny	26.0	0.5	20.9	0.0	Greenish yellowish white	None	>100	5.3	1.0	0.5	-0.68	-0.75	-0.81		
			2012/08/22	Sunny	31.9	0.4	25.3	0.0	Light grayish yellowish green	None	>100	8.1	1.4	0.6	-0.69	-0.75	0.87		
			2012/11/07	Sunny	16.0	0.3	15.7	0.0	Greenish yellowish white	None	>100	14.7	3.8	1.9	-0.63	-0.74	-0.81		
15	JR Tetsudobashi Bridge	Minamisomashi City	2012/12/20	Cloudy	5.3	0.2	7.8	0.0	Yellow greenish white	None	>100	21.1	-1	0.7	-0.42	-0.67	-0.52		
			2013/01/16	Sunny	1.7	0.2	6.0	0.0	Greenish yellowish white	None	>100	11.4	1.7	1.8	-0.59	-0.47	-0.66		

Table 4.3.1.1(1) Fukushima Pref. (Hamadori Area) River (Water Quality)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks	
No.	Point	Municipality					General items						Radioactive material concentrations (Bq/L)					
							Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Cs-137
R i v e r s	16	Okagawa River Manyamabashi Bridge	Miyamatsubo City	2012/06/12	Cloudy	18.3	0.2	17.6	0.0	Yellow greenish white	Faint seaweed	72	180.9	4.4	2.0	-0.64	-0.66	-0.64
				2012/07/03	Cloudy	20.5	1.0	19.4	0.0	Greenish yellowish white	None	>100	44.4	3.4	1.6	-0.62	1.0	1.7
				2012/07/24	Cloudy	26.0	0.2	21.7	0.0	Yellowish white	None	70	77.7	3.9	1.8	-0.48	-0.69	-0.55
				2012/08/21	Cloudy	25.0	0.5	23.1	0.0	Light grayish greenish blue	None	>100	4,720	2.6	2.2	-0.44	-0.48	-0.52
				2012/11/06	Rain	16.0	0.6	15.6	0.0	Yellowish white	None	86	2,210	8.8	4.2	-0.45	-0.50	-0.57
				2012/12/20	Sunny	5.4	0.2	6.6	0.0	Light grayish yellow green	None	95	3,230	6.8	3.5	-0.50	-0.63	-0.64
	17	Shimokawarabashi Bridge	Miyamatsubo City	2013/01/16	Sunny	11.6	0.2	10.2	0.0	Yellowish white	None	31	3,520	25	10	-0.55	-0.61	-0.53
				2012/06/13	Cloudy	19.1	0.3	15.2	0.0	Yellow greenish white	None	>100	8.8	<1	1.6	-0.44	-0.51	-0.57
				2012/07/05	Cloudy	27.5	0.2	20.4	0.0	Colorless transparent	None	>100	8.9	<1	0.6	-0.43	-0.63	-0.50
				2012/08/23	Sunny	28.4	0.3	25.9	0.0	Yellow greenish white	None	>100	9.6	<1	0.4	-0.46	-0.63	-0.52
				2012/11/06	Cloudy	15.5	0.2	14.9	0.0	Greenish yellowish white	None	>100	12.2	<1	0.3	-0.45	-0.63	-0.56
				2012/12/17	Cloudy	10.3	0.3	10.1	0.0	Greenish yellowish white	None	>100	30.5	1.4	0.7	-0.48	-0.64	-0.51
	18	Okagawa River Zenchobashi Bridge	Miyamatsubo City	2013/01/16	Sunny	7.7	0.2	7.7	0.0	Greenish yellowish white	None	>100	18.8	<1	0.3	-0.39	-0.61	-0.62
				2012/06/13	Cloudy	18.2	0.5	15.9	0.0	Greenish yellowish white	None	80	10.4	8.6	3.2	-0.55	-0.39	-0.60
				2012/07/05	Cloudy	26.0	0.3	20.6	0.0	Colorless transparent	None	>100	13.6	1.0	1.1	-0.51	-0.61	-0.47
				2012/08/23	Sunny	27.0	0.7	25.5	0.0	Grayish yellow green	None	>100	12.9	1.9	1.0	-0.65	-0.75	-0.58
				2012/11/06	Rain	14.8	0.4	13.8	0.0	Greenish yellowish white	None	>100	14.6	3.4	1.7	-0.45	-0.56	-0.51
				2012/12/17	Sunny	8.9	0.5	7.5	0.0	Yellowish white	None	>100	38.6	<1	0.5	-0.49	-0.64	-0.61
	19	Hatsukarabashi Bridge	Miyamatsubo City	2013/01/17	Sunny	5.9	0.4	6.3	0.0	Greenish yellowish white	None	>100	17.6	<1	1.2	-0.59	-0.66	-0.69
				2012/06/12	Cloudy	18.2	0.3	17.7	0.0	Light grayish yellow green	Faint seaweed	35	761	3.4	2.2	-0.58	-0.64	-0.54
				2012/07/04	Sunny	24.0	0.8	22.1	0.0	Colorless transparent	None	>100	4,290	3.3	0.7	-0.62	-0.75	-0.76
				2012/07/25	Cloudy	24.0	0.5	24.2	0.0	Yellowish white	None	49	1,771	8.3	3.6	-0.65	-0.63	-0.75
				2012/08/22	Sunny	28.1	0.7	23.5	0.0	Light grayish bluish green	None	>100	4,690	2.5	1.8	-0.64	-0.66	-0.71
				2012/11/06	Rain	16.0	0.4	15.0	0.0	Yellowish white	None	>100	3,290	5.1	2.8	-0.50	-0.50	-0.59
	20	Ukedogawa River Murohabashi Bridge	Namiemachi Town	2012/12/17	Cloudy	13.9	0.7	9.9	0.0	Greenish yellowish white	None	>100	3,920	4.0	2.3	-0.48	-0.60	-0.52
				2013/01/16	Sunny	11.3	0.5	9.8	0.0	Yellowish white	None	29	5,380	26	10	-0.65	-0.70	-0.83
				2012/06/14	Cloudy	21.0	0.3	15.4	0.0	Yellow greenish white	None	>100	5.3	<1	2.2	-0.52	-0.78	0.80
				2012/07/03	Cloudy	22.0	1.0	17.4	0.0	Yellow greenish white	None	>100	5.2	1.2	1.0	-0.57	-0.64	0.74
				2012/07/26	Cloudy	31.5	0.4	21.0	0.0	Greenish yellowish white	None	>100	5.6	<1	0.6	-0.48	-0.56	-0.58
				2012/08/28	Sunny	37.0	0.4	25.7	0.0	Yellowish white	None	>100	6.5	<1	0.4	-0.59	-0.75	1.3
2012/09/19				Cloudy	31.0	0.3	24.6	0.0	Greenish yellowish white	None	>100	6.4	<1	0.3	-0.57	-0.65	0.66	
2012/10/23				Rain	22.0	0.4	15.1	0.0	Greenish yellowish white	None	>100	7.5	<1	1.0	-0.50	0.61	0.65	
2012/11/15				Sunny	8.0	0.3	10.8	0.0	Greenish yellowish white	None	>100	7.1	<1	0.8	-0.51	-0.59	0.62	
2012/12/04				Cloudy	7.6	0.2	8.1	0.0	Yellowish white	None	>100	7.6	<1	1.5	-0.43	-0.61	0.73	
2012/12/27				Sunny	-1.4	0.4	3.4	0.0	Dark grayish reddish yellow	None	>100	7.5	<1	0.6	-0.50	-0.72	-0.60	
21				Ukedogawa River Ukedobashi Bridge	Namiemachi Town	2013/01/16	Sunny	3.4	0.3	4.4	0.0	Colorless transparent	None	>100	9.0	<1	0.4	-0.51
	2013/02/05	Sunny	7.3			0.4	4.4	0.0	Yellow greenish white	None	>100	8.2	<1	0.5	-0.51	-0.61	-0.57	
	2012/06/13	Cloudy	19.5			0.3	17.7	0.0	Yellow greenish white	None	94	14.7	2.1	2.6	-0.44	-0.56	0.85	
	2012/07/03	Cloudy	21.0			0.3	18.0	0.0	Yellow greenish white	None	93	12.3	2.2	1.2	-0.38	0.57	0.76	
	2012/07/26	Cloudy	29.4			0.4	23.5	0.0	Greenish yellowish white	None	>100	16.0	<1	0.6	-0.61	-0.59	-0.64	
	2012/08/28	Sunny	36.0			0.5	27.3	0.0	Greenish yellowish pale gray	None	43	10.1	5.0	1.9	-0.55	-0.68	1.4	
	2012/09/19	Cloudy	25.0			0.5	24.6	0.0	Yellowish white	None	83	9.0	2.1	1.3	-0.46	-0.67	0.59	
	2012/11/15	Sunny	12.3			0.3	10.4	0.0	Yellow greenish white	None	>100	14.7	<1	0.9	-0.64	-0.73	-0.66	
	2012/12/05	Sunny	8.0			0.2	7.5	0.0	Grayish yellow	None	>100	9.9	2.4	1.5	-0.57	-0.70	-0.53	
	2012/12/26	Sunny	2.1			0.5	4.8	0.0	Colorless transparent	None	>100	10.8	<1	0.9	-0.54	-0.53	-0.62	
	2013/01/16	Sunny	3.1			0.3	3.1	0.0	Yellowish pale gray	None	>100	46.0	<1	0.9	-0.61	-0.59	-0.69	
	2013/02/05	Sunny	4.9			0.2	7.3	0.0	Yellow greenish white	None	>100	53.3	6.7	2.0	-0.46	-0.69	-0.58	

Table 4.3.1.1(1) Fukushima Pref. (Hamadori Area) River (Water Quality)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks	
							General items						Radioactive material concentrations (Bq/L)					
No.	Point	Municipality	Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137					
R i v e r s	Furumichigawa River	Before the confluence with Takasegawa River (Myakojimachi Town furumichishitadaira)	Furumachi City	2012/06/14	Sunny	19.5	0.4	16.2	0.0	Deep yellow green	None	66	7.5	6.0	4.1	-0.52	-0.66	-0.62
				2012/07/03	Sunny	28.0	0.3	16.8	0.0	Yellow greenish white	None	>100	7.5	2.1	1.6	-0.57	-0.66	-0.60
				2012/07/26	Sunny	31.0	0.4	22.3	0.0	Light grayish yellow	None	24	7.8	11	2.9	-0.60	-0.70	-0.68
				2012/09/20	Sunny	25.0	0.7	19.4	0.0	Yellowish white	None	>100	8.2	1.0	0.3	-0.45	-0.53	-0.62
				2012/11/09	Sunny	11.0	0.3	9.6	0.0	Greenish yellowish white	None	>100	9.3	<1	0.2	-0.63	-0.79	-0.71
				2012/12/26	Sunny	0.1	0.5	2.7	0.0	Yellow greenish white	None	>100	9.9	<1	0.7	-0.47	-0.59	-0.63
				2013/01/22	Cloudy	4.1	0.5	5.3	0.0	Greenish yellowish white	None	70	9.8	4.0	2.0	-0.44	-0.53	-0.60
	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/06/13	Cloudy	18.2	0.4	15.1	0.0	Deep yellow green	None	91	6.4	1.2	2.8	-0.66	-1.0	-0.71
				2012/07/03	Cloudy	21.0	0.2	17.2	0.0	Yellow greenish pale gray	None	63	6.3	<1	0.7	-0.47	-0.69	-0.50
				2012/07/26	Cloudy	30.2	0.3	22.9	0.0	Greenish yellowish white	None	88	6.4	<1	0.7	-0.46	-0.63	-0.56
				2012/10/18	Cloudy	18.6	0.3	15.4	0.0	Dark grayish reddish yellow	None	11	6.2	44	31	-0.49	-0.69	1.1
				2012/11/15	Cloudy	12.9	1.0	10.4	0.0	Greenish yellowish white	None	>100	8.0	1.1	0.7	-0.45	-0.60	-0.61
				2012/12/26	Sunny	0.3	0.4	2.5	0.0	Yellowish white	None	>100	8.3	<1	0.7	-0.49	-0.63	-0.56
				2013/01/25	Sunny	5.3	0.5	6.5	0.0	Yellow greenish white	None	>100	9.3	<1	0.6	-0.54	-0.68	-0.60
	National Route 6, west	Futabamachi Town	2012/06/14	Cloudy	19.5	0.4	15.5	0.0	Greenish yellowish light gray	None	>100	10.7	1.7	0.8	-0.51	0.92	1.1	
			2012/07/04	Sunny	25.0	0.2	18.9	0.0	Yellow greenish white	None	93	9.8	2.6	1.6	-0.57	-0.73	1.4	
			2012/10/23	Rain	16.0	0.5	16.8	0.0	Greenish yellowish white	None	>100	14.3	2.2	1.6	-0.65	-0.75	0.98	
			2012/11/20	Sunny	14.4	1.1	10.0	0.0	Greenish yellowish white	None	>100	15.8	<1	0.9	-0.44	-0.61	0.63	
			2012/12/18	Cloudy	6.1	0.6	9.2	0.0	Greenish yellowish white	None	>100	14.6	5.0	1.6	-0.48	-0.58	-0.58	
			2013/01/15	Sunny	2.3	0.8	5.6	0.0	Greenish yellowish white	None	>100	13.5	1.3	1.6	-0.55	-0.66	-0.59	
			Machigawa River	Nakahamabashi Bridge	Namiemachi Town	2012/06/14	Cloudy	18.4	0.2	16.0	0.0	Very pale yellow	Faint seaweed	87	32.3	5.9	3.4	-0.52
	2012/07/03	Cloudy				20.0	1.6	18.6	0.0	Light grayish yellow	None	92	19.8	4.1	2.8	-0.45	-0.50	0.55
	2012/07/26	Sunny				31.8	0.3	23.9	0.0	Light grayish yellow	None	>100	22.7	3.2	1.6	-0.55	-0.64	-0.59
	2012/08/28	Sunny				31.0	1.6	28.7	0.0	Light grayish yellow	None	69	140.6	1.6	1.7	-0.57	-0.69	0.76
	2012/09/19	Rain				25.0	2.0	25.8	0.0	Yellowish white	None	48	370	3.1	1.4	-0.57	0.76	1.1
	2012/11/15	Sunny				14.2	1.6	13.6	0.0	Grayish yellow green	None	61	1,980	5.1	5.8	-0.53	1.0	1.3
	2012/12/26	Sunny				0.6	1.2	3.7	0.0	Greenish yellowish white	None	85	373	2.1	2.2	-0.51	-0.53	-0.66
	National Route 6, west	Okamamachi Town	2012/06/14	Cloudy	19.0	0.6	14.8	0.0	Colorless transparent	None	>100	7.4	<1	0.6	-0.63	-0.78	-0.82	
			2012/07/05	Sunny	30.0	0.5	18.1	0.0	Yellowish white	Green grass	75	6.8	1.5	0.8	-0.64	-0.66	-0.62	
			2012/10/17	Sunny	21.3	0.5	16.5	0.0	Colorless transparent	None	>100	8.1	<1	0.7	-0.46	-0.69	-0.52	
			2012/11/21	Sunny	10.9	0.3	10.0	0.0	Greenish yellowish white	None	>100	9.6	<1	0.4	-0.59	-0.74	-0.51	
			2012/12/18	Cloudy	9.7	0.3	8.6	0.0	Greenish yellowish white	None	>100	9.1	<1	0.3	-0.55	-0.50	-0.64	
			2013/01/17	Sunny	4.6	0.3	4.0	0.0	Greenish yellowish white	None	>100	9.6	2.7	1.0	-0.49	-0.67	0.44	
			2012/06/14	Cloudy	18.0	0.8	15.3	0.0	Greenish yellowish pale gray	None	>100	9.7	1.4	0.8	-0.47	-0.65	0.69	
	Kumagawa River	Mikurabashi Bridge	Okamamachi Town	2012/07/05	Cloudy	26.0	0.2	18.2	0.0	Yellow greenish white	None	54	8.1	14	0.9	-0.58	-0.61	0.89
				2012/10/17	Cloudy	20.7	0.3	18.7	0.0	Colorless transparent	None	>100	10.2	<1	0.6	-0.56	-0.53	-0.59
				2012/11/20	Cloudy	13.0	0.9	10.8	0.0	Greenish yellowish white	None	>100	12.6	<1	0.4	-0.56	-0.80	-0.60
				2012/12/18	Sunny	10.2	0.2	9.4	0.0	Greenish yellowish white	None	>100	10.4	<1	0.5	-0.46	-0.56	-0.54
				2013/01/15	Snow	0.0	0.6	5.0	0.0	Greenish yellowish white	None	>100	12.7	2.3	0.9	-0.59	-0.79	-0.78
				2012/08/30	Sunny	36.0	0.2	19.4	0.0	Reddish yellowish white	None	>100	6.2	<1	0.2	-0.64	-0.72	-0.60
	Tomikagawa River	Nabekurabashi Bridge	Kawauchimara Village	2012/10/16	Sunny	12.2	0.2	12.2	0.0	Colorless transparent	None	>100	6.7	<1	0.5	-0.56	-0.56	-0.65
				2012/11/20	Cloudy	8.3	0.2	8.8	0.0	Colorless transparent	None	>100	10.4	<1	0.3	-0.50	-0.70	-0.60
2012/12/27				Cloudy	-2.3	0.4	3.0	0.0	Greenish yellowish white	None	>100	7.3	1.5	0.6	-0.57	-0.72	-0.58	
2013/01/16				Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
2013/02/06				Snow	-0.5	0.2	2.1	0.0	Light grayish yellow	None	>100	8.4	1.0	0.5	-0.41	-0.63	-0.55	
2013/03/07				Sunny	11.6	0.4	7.2	0.0	Greenish yellowish white	None	>100	6.6	<1	0.5	-0.48	-0.46	-0.68	

Table 4.3.1.1(1) Fukushima Pref. (Hamadori Area) River (Water Quality)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
No.	Point	Municipality					General items						Radioactive material concentrations (Bq/L)						
			Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137						
29	Sakagawabashi Bridge	Kawachimura Village	2012/08/29	Sunny	31.0	0.3	17.9	0.0	Greenish yellowish white	None	>100	6.5	1.6	0.3	-0.47	-0.63	-0.57		
			2012/11/14	Sunny	8.6	0.3	9.9	0.0	Colorless transparent	None	>100	6.9	<1	0.3	-0.71	-0.72	-0.67		
			2012/12/05	Sunny	6.4	0.2	8.3	0.0	Colorless transparent	None	>100	7.6	<1	0.4	-0.63	-0.72	-0.68		
			2012/12/26	Sunny	-1.0	0.2	5.4	0.0	Colorless transparent	None	>100	7.5	<1	0.7	-0.49	-0.61	-0.57		
			2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/06	Snow	-0.4	0.3	3.4	0.0	Colorless transparent	None	>100	8.9	<1	0.4	-0.54	-0.56	-0.55		
30	Fumiokagawa River	National Route 6, west	2013/02/27	Cloudy	3.6	0.2	6.2	0.0	Colorless transparent	None	>100	6.7	6.0	2.1	-0.56	-0.72	-0.62		
			2012/06/13	Cloudy	20.0	0.8	16.1	0.0	Greenish yellowish white	None	>100	7.8	<1	0.6	-0.52	-0.70	-0.60		
			2012/07/03	Cloudy	22.0	0.4	16.7	0.0	Yellow greenish white	None	69	6.9	<1	0.8	-0.59	-0.61	0.80		
			2012/09/19	Cloudy	26.6	0.3	24.0	0.0	Grayish reddish yellow	None	>100	7.3	<1	0.3	-0.61	-0.76	0.64		
			2012/11/14	Sunny	13.2	0.3	13.6	0.0	Greenish yellowish white	None	>100	10.4	<1	0.7	-0.46	-0.44	-0.60		
			2012/12/26	Sunny	3.6	0.3	7.3	0.0	Colorless transparent	None	>100	10.3	<1	1.3	-0.48	-0.53	-0.56		
31	Kobanabashi Bridge	Tomiokamachi Town	2013/02/07	Sunny	9.7	0.5	7.0	0.0	Light grayish yellow green	None	>100	11.5	<1	0.7	-0.48	-0.61	-0.58		
			2012/06/13	Cloudy	19.0	0.7	16.0	0.0	Yellowish white	None	>100	8.8	<1	0.4	-0.64	-0.63	-0.62		
			2012/07/03	Cloudy	22.0	0.4	17.3	0.0	Yellowish white	None	73	8.8	1.4	1.0	-0.46	-0.65	-0.57		
			2012/09/19	Cloudy	24.5	0.3	23.9	0.0	Yellow greenish white	None	91	8.1	<1	0.6	-0.46	-0.63	-0.60		
			2012/11/14	Sunny	18.5	0.7	14.1	0.0	Yellowish white	None	>100	13.4	1.4	0.9	-0.52	-0.68	-0.59		
			2012/12/26	Sunny	3.7	0.6	7.5	0.0	Light grayish yellow green	None	>100	11.9	<1	0.9	-0.58	-0.59	-0.53		
32	Idagawa River	Motogamabashi Bridge	2013/02/07	Sunny	7.6	0.2	8.1	0.0	Light grayish yellow	None	>100	13.8	3.4	1.0	-0.53	-0.59	-0.51		
			2012/06/12	Cloudy	16.0	0.5	14.6	0.0	Yellowish white	None	>100	8.2	<1	0.5	-0.55	-0.85	-0.73		
			2012/07/03	Cloudy	21.0	0.2	16.9	0.0	Greenish yellowish white	None	>100	7.1	<1	0.6	-0.54	-0.66	-0.64		
			2012/08/23	Sunny	34.0	0.5	25.9	0.0	Greenish yellowish white	None	>100	8.4	<1	0.7	-0.56	-0.53	-0.59		
			2012/11/19	Cloudy	8.6	0.2	10.5	0.0	Colorless transparent	None	>100	9.7	<1	0.1	-0.69	-0.72	-0.62		
			2012/12/18	Cloudy	7.7	0.2	9.3	0.0	Greenish yellowish white	None	>100	9.8	<1	0.2	-0.53	-0.61	-0.66		
33	Kawachigawa River	Before the confluence with Kidogawa River (Futamatabashi Bridge)	2013/02/07	Sunny	6.7	0.3	6.8	0.0	Yellow greenish white	None	>100	11.6	<1	0.6	-0.45	-0.76	-0.55		
			2012/08/30	Sunny	36.0	0.2	18.7	0.0	Yellowish white	None	>100	4.4	1.4	0.4	-0.59	-0.66	-0.59		
			2012/09/20	Rain	24.0	0.3	16.9	0.0	Greenish yellowish white	None	>100	5.1	<1	1.0	-0.57	-0.85	-0.68		
			2012/10/16	Sunny	17.9	0.2	13.8	0.0	Colorless transparent	None	>100	5.3	<1	0.4	-0.46	-0.58	-0.60		
			2012/11/19	Rain	5.5	0.4	8.5	0.0	Greenish yellowish white	None	>100	9.8	<1	0.3	-0.49	-0.53	-0.55		
			2012/12/26	Sunny	-5.2	0.2	2.6	0.0	Yellow greenish white	None	>100	5.1	<1	0.9	-0.46	-0.61	-0.63		
34	Nishiyamahashi Bridge	Kawachimura Village	2013/02/06	Snow	-0.5	0.1	3.2	0.0	Greenish yellowish white	None	>100	5.4	<1	0.4	-0.48	-0.61	-0.58		
			2012/06/12	Cloudy	14.5	1.0	12.9	0.0	Greenish yellowish white	None	>100	4.4	<1	0.5	-0.48	-0.65	-0.57		
			2012/07/03	Cloudy	22.0	0.8	16.6	0.0	Yellowish white	None	84	4.3	1.3	1.0	-0.56	-0.63	-0.70		
			2012/09/20	Rain	22.0	0.5	20.5	0.0	Greenish yellowish white	None	>100	5.2	<1	0.3	-0.50	-0.70	-0.60		
			2012/11/19	Cloudy	6.5	1.1	6.2	0.0	Greenish yellowish white	None	>100	5.9	<1	1.3	-0.62	-0.66	-0.76		
			2012/12/26	Sunny	-2.9	0.6	2.3	0.0	Greenish yellowish white	None	>100	6.8	1.8	0.9	-0.51	-0.77	-0.68		
35	Kidogawa River	Nagatorobashi Bridge	2013/02/07	Sunny	5.6	0.6	5.3	0.0	Greenish yellowish white	None	>100	6.9	<1	0.7	-0.54	-0.68	-0.51		
			2012/06/13	Cloudy	18.5	0.3	14.6	0.0	Greenish yellowish white	None	>100	4.6	<1	0.5	-0.49	-0.50	-0.63		
			2012/07/03	Cloudy	20.0	0.3	16.1	0.0	Greenish yellowish white	None	>100	6.8	<1	0.4	-0.47	-0.61	-0.60		
			2012/08/23	Sunny	29.0	0.4	24.5	0.0	Yellow greenish white	None	>100	8.9	<1	0.4	-0.52	-0.75	-0.58		
			2012/11/19	Cloudy	9.1	0.3	8.7	0.0	Colorless transparent	None	>100	5.5	<1	0.5	-0.44	-0.58	-0.50		
			2012/12/19	Sunny	3.3	0.3	6.1	0.0	Greenish yellowish white	None	>100	6.7	<1	0.2	-0.47	-0.40	-0.56		
36	Kidokawabashi Bridge	Narahamachi Town	2013/02/07	Cloudy	2.7	0.3	3.4	0.0	Light grayish yellow green	None	>100	7.5	<1	0.5	-0.46	-0.63	-0.58		
			2012/06/12	Cloudy	16.0	0.2	15.2	0.0	Yellowish white	None	>100	5.3	<1	0.6	-0.66	-0.61	-0.60		
			2012/07/03	Cloudy	17.9	0.2	16.3	0.0	Greenish yellowish white	None	>100	5.4	<1	0.7	-0.46	-0.64	-0.59		
			2012/08/23	Sunny	31.0	0.3	26.3	0.0	Yellow greenish white	None	>100	5.9	1.2	0.8	-0.51	-0.66	-0.60		
			2012/11/19	Cloudy	8.6	0.6	8.8	0.0	Colorless transparent	None	>100	5.9	<1	0.5	-0.56	-0.78	-0.54		
			2012/12/19	Sunny	3.6	0.3	5.7	0.0	Greenish yellowish white	None	>100	6.3	<1	0.5	-0.52	-0.70	-0.56		
2013/02/07	Sunny	4.2	0.2	3.3	0.0	Greenish yellowish white	None	95	7.4	<1	0.6	-0.52	-0.61	-0.53					

Table 4.3.1.1(1) Fukushima Pref. (Hamadori Area) River (Water Quality)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks	
No.	Point	Municipality					General items						Radioactive material concentrations (Bq/L)					
			Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137					
37	Asanigawa River	Bodabashi Bridge	Hinomachi Town	2012/05/24	Sunny	24.7	0.2	16.7	0.0	Colorless transparent	None	>100	8.6	<1	0.8	-0.57	-0.68	-0.63
				2012/07/10	Sunny	26.0	0.5	19.0	0.0	Yellow greenish white	None	>100	7.0	<1	0.5	-0.54	-0.56	-0.65
				2012/08/23	Sunny	35.0	0.2	27.5	0.0	Yellow greenish white	None	>100	8.9	<1	0.5	-0.55	-0.70	-0.65
				2012/11/11	Rain	12.1	0.3	12.0	0.0	Yellowish white	None	>100	12.0	<1	0.2	-0.48	-0.75	-0.64
				2012/12/27	Sunny	4.7	0.2	3.0	0.0	Greenish yellowish white	None	>100	12.2	<1	0.4	-0.45	-0.53	-0.59
				2013/02/11	Sunny	2.0	0.2	4.5	0.0	Greenish yellowish white	None	>100	13.7	<1	0.2	-0.45	-0.64	-0.59
38	Ohisagawa River	Kagesobashi Bridge	Iwakishi City	2012/05/24	Sunny	23.8	0.4	19.9	0.0	Light grayish yellow	None	52	45.4	8.5	3.2	-0.65	-0.73	-0.68
				2012/07/10	Cloudy	28.0	0.6	22.1	0.0	Bluish white	None	73	65.1	4.9	2.4	-0.40	-0.63	-0.62
				2012/09/04	Sunny	26.9	0.1	28.3	0.0	Grayish greenish yellow	None	52	285	6.1	1.4	-0.64	-0.70	-0.62
				2012/11/07	Cloudy	15.6	0.3	16.0	0.0	Dark grayish yellow green	None	94	29.8	5.8	2.7	-0.62	-0.78	-0.60
				2013/01/08	Sunny	5.2	0.5	5.9	0.0	Light grayish yellow	None	>100	41.6	1.6	1.4	-0.53	-0.68	-0.57
				2013/02/14	Cloudy	3.4	0.5	5.2	0.0	Light grayish greenish yellow	None	>100	70.4	1.6	1.2	-0.63	-0.78	-0.75
39	Kobisagawa River	Rengobashi Bridge	Iwakishi City	2012/05/24	Sunny	22.7	0.8	19.4	0.0	Light grayish yellow green	None	48	40.8	5.2	5.7	-0.44	-0.44	-0.56
				2012/07/10	Sunny	27.0	0.5	22.7	0.0	Yellow greenish white	None	>100	36.6	3.7	2.1	-0.62	-0.91	-0.66
				2012/09/04	Sunny	27.9	0.3	27.5	0.0	Dark grayish reddish yellow	None	>100	50.3	1.8	0.9	-0.52	-0.63	-0.50
				2012/11/07	Cloudy	16.7	0.4	16.0	0.0	Colorless transparent	None	>100	55.3	1.8	1.8	-0.54	-0.68	-0.41
				2013/01/08	Sunny	5.5	0.3	6.0	0.0	Greenish yellowish white	None	>100	26.7	1.2	1.2	-0.66	-0.63	-0.64
				2013/02/14	Cloudy	4.1	0.3	4.0	0.0	Light grayish reddish yellow	None	>100	47.1	2.7	1.8	-0.50	-0.70	-0.60
40	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2012/05/24	Sunny	20.3	0.3	18.1	0.0	Grayish yellow green	None	30	16.3	14	7.5	-0.50	-0.67	-0.56
				2012/07/10	Sunny	29.0	0.4	22.2	0.0	Greenish yellowish white	None	57	16.2	3.8	1.6	-0.55	-0.51	-0.42
				2012/09/04	Sunny	27.2	0.5	26.4	0.0	Grayish yellow	None	72	22.2	2.6	1.0	-0.57	-0.72	-0.66
				2012/11/07	Cloudy	13.5	0.5	15.6	0.0	Dark grayish yellow green	None	88	26.4	1.8	1.3	-0.54	-0.61	-0.60
				2012/12/28	Cloudy	3.5	0.5	6.0	0.0	Greenish yellowish white	None	>100	57.2	<1	0.5	-0.56	-0.60	-0.62
				2013/02/14	Cloudy	4.5	0.5	7.1	0.0	Greenish yellowish white	None	>100	27.4	1.3	1.2	-0.43	-0.58	-0.49
41	Nidagawa River	Matsubashi Bridge	Iwakishi City	2012/05/23	Cloudy	15.5	2.0	16.7	0.0	Dark grayish yellow	None	18	14.9	22	9.2	-0.63	-0.84	-0.57
				2012/07/10	Sunny	29.0	0.4	21.7	0.0	Dark grayish yellow green	None	74	27.2	4.3	2.1	-0.50	-0.59	-0.55
				2012/09/04	Sunny	26.8	0.2	28.1	0.0	Dark grayish reddish yellow	None	17	413	7.0	2.5	-0.57	-0.66	-0.68
				2012/11/06	Rain	17.0	0.7	15.3	0.0	Yellowish pale gray	None	71	158.4	1.1	0.8	-0.63	-0.78	-0.76
				2012/12/28	Cloudy	2.5	0.8	4.4	0.0	Greenish yellowish white	None	>100	951	3.1	2.0	-0.51	-0.60	-0.55
				2013/02/14	Cloudy	7.6	0.3	7.6	0.0	Grayish greenish yellow	None	43	372	7.4	4.6	-0.70	-0.78	-0.62
42	Kitanouchibashi Bridge	Onomachi Town	Iwakishi City	2012/05/23	Cloudy	14.9	0.4	13.4	0.0	Dark grayish reddish yellow	None	36	11.1	8.9	3.4	-0.62	-0.72	-0.68
				2012/07/12	Rain	25.0	0.4	19.4	0.0	Greenish yellowish white	None	50	12.5	25	4.0	-0.55	-0.72	-0.66
				2012/08/24	Sunny	29.0	0.6	22.8	0.0	Yellow greenish white	None	>100	14.4	2.6	0.7	-0.50	-0.65	-0.56
				2012/11/05	Cloudy	13.4	0.5	11.3	0.0	Grayish yellow green	None	>100	15.1	3.4	1.2	-0.54	-0.68	-0.57
				2013/01/11	Sunny	-4.4	0.5	0.6	0.0	Greenish yellowish white	None	>100	15.0	2.3	1.0	-0.44	-0.61	-0.42
				2013/02/11	Sunny	0.6	0.5	5.3	0.0	Light grayish reddish yellow	None	53	17.3	3.0	2.1	-0.46	-0.67	-0.60
43	Natsugawa River	Kyodayubashi Bridge	Iwakishi City	2012/05/23	Cloudy	20.5	1.0	16.1	0.0	Grayish reddish yellow	None	35	10.0	10	3.2	-0.51	-0.63	-0.49
				2012/07/10	Sunny	27.5	0.3	22.0	0.0	Yellow greenish white	None	65	9.4	17	3.2	-0.58	-0.91	-0.73
				2012/09/05	Sunny	28.7	0.6	23.9	0.0	Dark yellow red	None	4	8.6	140	43	-0.55	0.96	1.7
				2012/11/06	Rain	17.0	1.2	13.8	0.0	Greenish yellowish pale gray	None	74	38.3	3.2	1.0	-0.50	-0.58	-0.47
				2013/01/08	Sunny	6.8	0.4	3.8	0.0	Yellowish white	None	>100	7.1	<1	0.7	-0.57	-0.64	-0.57
				2013/02/14	Cloudy	7.7	0.4	6.2	0.0	Greenish yellowish white	None	87	15.3	1.5	1.4	-0.58	-0.68	-0.55
44	Rokujimbashi Bridge	Iwakishi City	Iwakishi City	2012/05/23	Sunny, then cloudy	16.0	1.2	16.7	0.0	Dark grayish reddish yellow	None	33	13.9	11	4.0	-0.47	-0.68	-0.65
				2012/07/10	Sunny	30.0	0.3	22.8	0.0	Dark grayish yellow green	None	39	17.3	7.7	1.7	-0.44	-0.56	-0.56
				2012/09/05	Sunny	28.9	0.4	25.7	0.0	Dark grayish reddish yellow	None	9	12.8	50	22	-0.50	-0.63	-0.44
				2012/11/15	Sunny	11.9	0.5	10.4	0.0	Grayish yellow	None	90	16.6	1.4	1.2	-0.56	-0.87	-0.55
				2013/01/08	Sunny	6.8	1.0	5.6	0.0	Light grayish yellow	None	>100	10.8	5.5	2.6	-0.49	-0.53	-0.51
				2013/02/11	Sunny	5.1	0.3	5.3	0.0	Grayish yellow green	None	91	20.1	4.3	2.7	-0.61	-0.70	-0.64

Table 4.3.1.1(1) Fukushima Pref. (Hamadori Area) River (Water Quality)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
No.	Point	Municipality					General items					Radioactive material concentrations (Bq/L)							
			Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137						
45	Iwamatsunbashi Bridge	Yoshimagawa River	2012/05/23	Cloudy	21.4	0.5	14.9	0.0	Colorless transparent	None	95	8.3	2.8	1.5	-0.55	-0.66	-0.73		
			2012/07/11	Sunny	29.0	0.6	21.0	0.0	Yellow greenish white	None	>100	8.9	1.1	1.0	-0.65	-0.87	-0.81		
			2012/09/05	Sunny	25.7	0.2	22.4	0.0	Grayish yellow green	None	91	9.6	2.4	0.8	-0.66	-0.80	-0.79		
			2012/11/09	Sunny	9.9	0.2	11.8	0.0	Colorless transparent	None	>100	11.5	<1	0.2	-0.64	-0.70	-0.73		
			2013/01/08	Sunny	-5.1	0.2	3.7	0.0	Yellowish white	None	>100	6.4	<1	0.2	-0.47	-0.64	-0.59		
	Before the confluence with Natsugawa River	Iwakishi City	2013/02/15	Cloudy	6.2	0.2	4.3	0.0	Yellowish white	None	>100	11.8	<1	0.3	-0.65	-0.80	-0.54		
			2012/05/23	Sunny	16.9	0.5	16.7	0.0	Yellow greenish white	None	62	15.7	3.9	1.8	-0.50	-0.67	-0.63		
			2012/07/11	Sunny	29.0	0.5	21.1	0.0	Yellow greenish white	None	>100	16.6	2.0	1.2	-0.50	-0.64	-0.57		
			2012/09/05	Sunny	31.2	0.2	25.6	0.0	Dark grayish reddish yellow	None	65	16.8	3.9	2.0	-0.45	-0.77	-0.53		
			2012/11/15	Sunny	14.1	0.2	11.5	0.0	Dark grayish reddish yellow	None	>100	21.4	<1	0.7	-0.66	-0.60	-0.78		
46	Shimabashi Bridge	Fujiwaragawa River	2012/12/19	Sunny	3.7	0.3	6.1	0.0	Greenish yellowish white	None	>100	21.5	<1	0.9	-0.52	-0.44	-0.52		
			2013/01/21	Sunny	9.3	0.2	6.6	0.0	Greenish yellowish white	None	>100	20.3	2.6	1.8	-0.65	-0.83	-0.68		
			2012/05/24	Sunny	20.4	0.2	19.1	0.0	Greenish yellowish white	None	58	94.0	7.6	3.6	-0.63	-0.72	-0.66		
			2012/07/11	Sunny	27.0	0.3	25.0	0.0	Greenish yellowish white	Sewage	50	10.4	9.0	4.0	-0.50	-0.58	-0.57		
			2012/09/05	Sunny	29.1	0.3	31.0	0.0	Dark grayish reddish yellow	None	38	20.6	10	3.6	-0.53	-0.63	-0.62		
			2012/10/19	Cloudy	14.0	0.7	16.2	0.0	Light grayish greenish yellow	None	40	50.4	13	8.9	-0.60	-0.66	-0.75		
			2012/11/15	Sunny	9.4	0.4	14.4	0.0	Yellowish pale gray	None	66	27.5	4.0	4.3	-0.57	-0.70	-0.62		
			2013/01/09	Cloudy	7.1	0.4	9.2	0.0	Grayish yellow	None	56	910	7.0	4.0	-0.46	-0.63	-0.44		
			2013/01/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples in the upper stream due to bridge construction, so sampling point changed to lower stream
			47	Minatohashi Bridge	Iwakishi City	2012/05/22	Cloudy	16.2	0.6	17.3	0.0	Yellow greenish white	None	37	3,160	5.5	1.5	-0.56	-0.70
2012/07/11	Sunny	27.0				0.4	27.1	0.0	Grayish yellow	Faint fish and shellfish	21	1,202	7.8	2.4	-0.65	-0.87	-0.64		
2012/09/06	Sunny	25.0				1.0	27.3	0.0	Grayish yellow green	None	45	1,346	6.1	2.8	-0.64	-0.75	-0.71		
2012/10/19	Cloudy	14.0				2.0	17.7	0.0	Greenish yellowish white	None	45	1,270	8.7	7.4	-0.48	-0.50	-0.54		
2012/11/15	Sunny	11.9				2.5	15.0	0.0	Greenish gray	None	45	36.0	4.6	2.9	-0.44	-0.50	-0.60		
2013/01/11	Sunny	1.9				2.8	9.5	0.0	Grayish greenish yellow	Faint seaweed	85	2,920	5.8	3.3	-0.46	-0.72	-0.68		
2013/02/05	Sunny	4.4				2.7	9.4	0.0	Grayish greenish yellow	Seaweed	69	4,260	8.6	2.1	-0.46	-0.61	-0.55		
2012/05/22	Rain	16.0				0.3	15.2	0.0	Bluish white	None	57	10.2	2.7	2.1	-0.51	-0.56	-0.54		
2012/07/09	Sunny	21.5				1.0	18.7	0.0	Dark grayish yellow green	None	59	20.8	5.4	2.8	-0.53	-0.64	-0.57		
2012/09/03	Sunny	28.0				0.4	23.4	0.0	Grayish greenish yellow	None	52	10.3	3.0	1.6	-0.53	-0.64	-0.57		
48	Idosawabashi Bridge	Samegawa River	2012/11/09	Sunny	16.6	3.6	12.6	0.0	Colorless transparent	None	>100	13.1	<1	0.8	-0.51	-0.76	-0.55		
			2012/12/26	Sunny	4.2	0.5	4.4	0.0	Greenish yellowish white	None	>100	15.9	<1	0.9	-0.55	-0.61	-0.68		
			2013/02/05	Sunny	6.4	3.0	5.5	0.0	Greenish yellowish white	None	>100	17.5	1.6	0.9	-0.48	-0.56	-0.53		
			2012/05/22	Rain	16.0	1.0	15.9	0.0	Greenish yellowish white	None	33	255	5.9	2.6	-0.57	-0.74	-0.62		
			2012/07/11	Sunny	28.0	0.5	23.9	0.0	Light grayish yellow green	None	60	35.9	2.8	1.5	-0.61	-0.87	-0.79		
			2012/09/03	Sunny	30.5	0.4	25.0	0.0	Grayish reddish yellow	None	72	95.1	1.7	0.7	-0.50	-0.63	-0.49		
			2012/11/16	Sunny	11.7	4.5	12.1	0.0	Dark grayish greenish yellow	None	73	444	1.1	1.6	-0.46	-0.65	-0.52		
			2013/01/07	Sunny	3.0	0.3	7.1	0.0	Greenish yellowish white	None	>100	243	2.7	2.6	-0.53	-0.61	-0.63		
			2013/02/06	Snow	1.5	0.3	6.0	0.0	Light grayish yellow green	None	>100	3,440	1.2	1.1	-0.45	-0.47	-0.55		
			2012/05/22	Rain	15.0	0.4	12.6	0.0	Yellowish white	None	12	5.6	9.3	3.1	-0.70	-0.83	-0.75		
49	Komurobashi Bridge	Shitokigawa River	2012/07/09	Sunny	25.2	1.0	17.7	0.0	Grayish yellowish green	None	>100	11.9	3.7	1.1	-0.46	-0.58	-0.57		
			2012/09/03	Cloudy	22.0	0.4	18.7	0.0	Light grayish yellow	None	80	6.0	3.3	0.8	-0.60	-0.66	-0.62		
			2012/10/19	Cloudy	15.0	1.0	13.2	0.0	Yellow greenish white	None	70	63.9	3.8	1.5	-0.51	-0.61	-0.62		
			2012/11/16	Sunny	13.5	0.3	9.7	0.0	Greenish white	None	>100	29.4	<1	0.3	-0.54	-0.74	-0.53		
			2012/12/26	Sunny	3.2	0.5	3.9	0.0	Greenish yellowish white	None	>100	42.1	1.3	0.8	-0.46	-0.63	-0.44		
			2013/02/06	Snow	1.4	0.5	4.1	0.0	Yellow greenish white	None	>100	10.1	<1	0.6	-0.49	-0.56	-0.49		
			2012/05/22	Cloudy	16.0	0.4	15.2	0.0	Yellow greenish white	None	37	23.5	5.5	3.3	-0.57	-0.59	-0.62		
			2012/07/13	Cloudy	26.0	0.3	22.4	0.0	Greenish yellowish white	None	40	17.1	9.5	4.3	-0.55	-0.70	-0.62		
			2012/09/06	Sunny	28.8	0.2	25.2	0.0	Grayish greenish yellow	None	67	22.2	3.7	1.3	-0.55	-0.68	-0.55		
			2012/11/09	Sunny	17.0	0.5	14.8	0.0	Grayish greenish yellow	None	>100	29.3	2.4	1.5	-0.45	-0.67	-0.63		
50	Kobunbashi Bridge	Bindagawa River	2012/12/26	Sunny	3.2	0.5	6.3	0.0	Greenish white	None	85	41.1	2.6	1.6	-0.44	-0.74	-0.57		
			2013/02/06	Snow	-0.1	0.3	4.7	0.0	Light grayish yellow	None	52	42.7	5.3	3.0	-0.46	-0.72	-0.61		

Table 4.3.1.1 (1) Fukushima Pref. (Hamadori Area) River (Water Quality)

	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks
	No.	Point	Municipality					General items						Radioactive material concentrations (Bq/L)				
								Water temperature °C	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/cm	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	
R i v e r s	53	Bindagawa River Bindabashi Bridge	Iwakishi City	2012/05/22	Rain	14.0	1.0	16.8	0.0	Yellow greenish white	None	51	193.0	9.1	4.0	-0.48	-0.56	-0.54
				2012/07/13	Cloudy	27.5	0.5	23.6	0.0	Dark grayish yellow	Faint chemicals	20	108.0	7.5	3.7	-0.53	-0.69	-0.42
				2012/09/06	Sunny	26.8	0.5	27.3	0.0	Grayish yellow green	None	70	199.0	1.7	1.4	-0.42	-0.48	-0.52
				2012/11/16	Sunny	14.1	1.1	13.9	0.0	Dark grayish yellow	None	67	281	1.7	1.4	-0.51	-0.53	-0.57
				2012/12/26	Sunny	4.2	1.5	8.4	0.0	Greenish yellowish white	None	>100	258	3.5	1.8	-0.51	-0.56	-0.55
				2013/02/06	Snow	1.1	0.5	8.5	0.0	Grayish greenish yellow	None	>100	301	5.6	1.7	-0.45	-0.64	-0.65

Table 4.3.1.1 (2) Fukushima Pref. (Nakadori Area) River (Water Quality)

No.	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
	Point	Municipality	General items							Radioactive material concentrations (Bq/L)										
			Water temperature					Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity µS/cm	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137			
54	Habutobashi Bridge	Nishigamuna Village	2012/05/02	Cloudy	16.0	0.2	13.2	0.0	Light grayish yellow green	None	63	8.4	3.4	0.7	-0.57	-0.61	-0.63			
			2012/07/12	Rain	22.0	0.3	20.4	0.0	Yellow greenish white	None	51	11.6	3.5	1.2	-0.73	-0.85	-0.68			
			2012/10/09	Sunny	15.5	0.2	16.9	0.0	Greenish yellowish white	None	>100	12.6	1.6	0.8	-0.60	-0.66	-0.71			
			2012/11/22	Cloudy	3.9	0.2	7.7	0.0	Dark grayish yellow	None	>100	12.5	<1	0.5	-0.57	-0.64	-0.51			
			2012/12/20	Sunny	2.7	0.5	6.7	0.0	Dark grayish yellow green	None	58	13.5	1.9	1.7	-0.40	-0.63	-0.52			
			2013/01/28	Sunny	3.6	0.3	7.1	0.0	Greenish yellowish white	None	>100	13.9	1.0	1.2	-0.70	-0.80	-0.75			
55	Abukumagawa River	Tamachiobashi Bridge	Shinkawashi City	2012/05/02	Rain	16.0	0.4	15.1	0.0	Light grayish yellow green	None	70	9.1	1.2	0.4	-0.54	-0.61	-0.47		
				2012/05/10	Cloudy	13.0	0.8	15.8	0.0	Light grayish yellow green	None	27	9.3	1.4	4.8	-0.51	-0.61	-0.51		
				2012/06/04	Sunny	27.0	0.4	22.2	0.0	Colorless transparent	None	>100	12.0	<1	1.3	-0.55	-0.70	-0.59		
				2012/07/12	Rain	24.0	0.5	20.7	0.0	Yellow greenish pale gray	None	94	11.1	7.5	1.8	-0.56	-0.47	-0.47		
				2012/08/06	Cloudy	26.5	0.4	23.6	0.0	Yellow greenish gray	None	>100	13.9	1.6	0.8	-0.60	-0.96	-0.71		
				2012/08/30	Cloudy	33.0	0.6	27.4	0.0	Yellow greenish white	None	>100	13.9	1.0	0.5	-0.49	-0.50	-0.53		
				2012/10/02	Cloudy	22.0	0.6	19.2	0.0	Light grayish greenish yellow	None	20	10.9	3.3	8.8	-0.57	-0.61	-0.57		
				2012/11/01	Sunny	15.6	0.5	15.1	0.0	Yellow greenish white	None	76	12.3	2.0	1.1	-0.59	-0.68	-0.59		
				2012/12/20	Sunny	4.1	0.4	5.9	0.0	Greenish yellowish white	None	>100	16.6	<1	0.7	-0.46	-0.59	-0.53		
				2013/01/14	Snow	-0.1	0.3	2.9	0.0	Grayish reddish yellow	None	>100	16.0	<1	0.9	-0.60	-0.83	-0.71		
				2013/02/14	Sunny	8.6	0.4	7.9	0.0	Reddish yellowish white	None	>100	17.9	1.9	1.3	-0.53	-0.66	-0.55		
				2013/03/04	Sunny	5.0	0.5	5.4	0.0	Colorless transparent	None	>100	13.4	<1	-0.1	-0.58	-0.68	-0.57		
56	Yantagawa River	Before the confluence with Abukumagawa River		2012/05/02	Cloudy	19.0	1.0	17.5	0.0	Dark grayish yellowish green	None	>100	31.2	1.4	1.0	-0.75	-0.72	-0.85		
				2012/07/12	Rain	27.0	0.5	21.4	0.0	Greenish yellowish white	None	60	34.2	3.1	1.0	-0.48	-0.67	-0.64		
				2012/10/09	Sunny	18.6	0.9	19.1	0.0	Greenish yellowish white	None	>100	49.2	1.2	0.6	-0.50	-0.56	-0.47		
				2012/11/01	Sunny	12.2	0.6	15.6	0.0	Light grayish yellow green	None	60	47.8	1.1	0.7	-0.66	-0.80	-0.66		
				2012/12/20	Sunny	2.6	0.6	7.9	0.0	Greenish yellowish white	None	>100	49.6	<1	0.7	-0.54	-0.66	-0.53		
				2013/01/24	Sunny	1.3	1.2	6.8	0.0	Dark grayish greenish yellow	None	80	44.8	2.3	0.9	-0.58	-0.56	-0.63		
57	Yashigawa River	Yashigawabashi Bridge	Tamagaramachi Town	2012/05/05	Cloudy, partly sunny	17.1	0.3	14.6	0.0	Light grayish greenish yellow	None	14	8.9	2.9	1.4	-0.53	-0.63	-0.59		
				2012/07/17	Sunny	32.0	0.5	28.2	0.0	Yellow greenish white	None	>100	12.3	1.2	1.0	-0.58	-0.80	-0.58		
				2012/10/09	Sunny	19.7	0.3	18.8	0.0	Greenish yellowish white	None	>100	14.6	1.6	0.9	-0.50	-0.70	-0.57		
				2012/11/19	Cloudy	4.3	0.5	8.4	0.0	Greenish yellowish white	None	>100	14.6	<1	1.0	-0.50	-0.63	-0.50		
				2012/12/20	Sunny	2.7	0.6	5.6	0.0	Greenish yellowish white	None	>100	53.8	3.6	1.8	-0.57	-0.72	-0.68		
				2013/01/16	Sunny	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2012/05/05	Sunny	20.5	0.4	15.4	0.0	Light grayish greenish yellow	None	30	10.5	2.2	7.8	-0.60	-0.50	0.7		
58	Kitagawa River	Yanagibashi Bridge	Hinamura Village	2012/07/18	Cloudy	27.0	0.4	21.5	0.0	Yellowish white	None	>100	12.3	2.5	1.1	-0.48	-0.58	-0.56		
				2012/10/16	Sunny	18.7	0.2	14.1	0.0	Colorless transparent	None	>100	14.7	<1	0.8	-0.46	-0.47	-0.63		
				2012/11/21	Sunny	4.7	0.2	7.4	0.0	Colorless transparent	None	>100	14.0	1.3	0.9	-0.51	-0.59	-0.51		
				2012/12/19	Sunny	1.1	0.3	2.9	0.0	Greenish yellowish white	None	>100	15.6	<1	0.8	-0.57	-0.47	-0.56		
				2013/01/21	Cloudy	5.4	0.4	3.7	0.0	Greenish yellowish white	None	>100	14.9	<1	1.4	-0.61	-0.70	-0.64		
				2012/05/05	Sunny	20.7	0.3	15.2	0.0	Light grayish yellow	None	31	9.9	1.1	7.5	-0.56	-0.83	-0.62		
59	Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/07/17	Sunny	32.0	0.3	26.4	0.0	Light grayish yellow green	None	99	12.7	3.4	1.6	-0.47	-0.74	-0.55		
				2012/10/09	Sunny	20.0	0.7	17.2	0.0	Greenish yellowish pale gray	None	72	13.3	4.4	1.7	-0.46	-0.60	-0.54		
				2012/11/19	Cloudy	5.5	0.3	8.7	0.0	Grayish greenish yellow	None	57	14.6	3.1	2.5	-0.62	-0.70	-0.68		
				2012/12/19	Sunny	0.7	0.3	4.5	0.0	Greenish yellowish white	None	>100	15.0	5.7	3.7	-0.58	-0.68	-0.55		
				2013/01/21	Cloudy	1.7	0.3	5.3	0.0	Light grayish yellow	None	68	14.3	3.8	3.0	-0.60	-0.57	-0.59		
				2012/05/05	Cloudy, then sunny	17.0	0.5	13.7	0.0	Light grayish greenish yellow	None	16	9.7	1.7	9.7	-0.44	-0.71	-0.52		
				2012/07/17	Sunny	31.5	0.5	27.0	0.0	Yellowish white	None	>100	13.0	4.8	2.6	-0.49	-0.61	-0.64		
60	Yashigawa River	Ojibashi Bridge		2012/10/09	Sunny	19.0	0.8	18.0	0.0	Yellowish pale gray	None	>100	12.2	1.7	1.1	-0.58	-0.80	-0.66		
				2012/11/21	Sunny	8.4	0.7	8.4	0.0	Dark grayish yellow green	None	>100	7.8	1.7	2.1	-0.58	-0.83	-0.62		
				2012/12/19	Sunny	1.1	0.6	4.3	0.0	Yellowish white	None	61	16.5	5.0	3.2	-0.50	-0.65	-0.50		
				2013/01/21	Cloudy	1.1	0.3	3.7	0.0	Light grayish yellow	None	87	15.4	3.7	2.5	-0.51	-0.53	-0.52		

Table 4.3.1.1 (2) Fukushima Pref. (Nakadori Area) River (Water Quality)

River	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks					
	No.	Point	Municipality					General items					Radioactive material concentrations (Bq/L)										
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Radioactive cesium Cs-137				
R i v e r s	61	Abukumagawa River	Kawanonobashi Bridge	Tamakawamura Village	2012/05/02	Cloudy	17.0	0.3	17.6	0.0	Light grayish yellow green	None	42	14.3	3.2	0.8	-0.65	-0.63	-0.62				
					2012/05/10	Sunny	18.0	0.5	16.9	0.0	Dark grayish yellow	None	11	121	50	14	-0.66	-0.57	-0.71				
					2012/06/04	Cloudy	21.0	0.4	21.7	0.0	Greenish yellowish white	None	46	13.4	3.0	2.6	-0.68	-0.85	-0.68				
					2012/07/17	Sunny	30.0	0.3	27.4	0.0	Light grayish yellow green	None	33	14.7	12	4.4	-0.50	-0.58	-0.44				
					2012/08/07	Sunny	28.0	0.3	25.6	0.0	Light grayish yellow green	None	96	16.7	1.4	1.0	-0.47	-0.58	-0.57				
					2012/08/30	Sunny	32.0	0.2	30.0	0.0	Yellow greenish white	None	>100	19.7	1.0	0.8	-0.49	-0.61	-0.60				
					2012/10/02	Cloudy	22.0	0.5	20.4	0.0	Light grayish greenish yellow	None	32	14.9	13	3.5	-0.52	-0.72	-0.62				
					2012/11/21	Sunny	7.3	0.2	8.7	0.0	Dark grayish yellow green	None	89	18.0	2.8	1.9	-0.47	-0.56	-0.56				
					2012/12/13	Sunny	2.5	0.7	4.4	0.0	Strong yellow green	None	90	18.9	4.6	2.1	-0.58	-0.66	-0.60				
					2013/01/07	Sunny	3.3	0.3	2.8	0.0	Greenish yellowish white	None	>100	19.7	<1	1.8	-0.44	-0.69	-0.61				
					2013/01/28	Sunny	2.7	0.3	3.5	0.0	Greenish yellowish white	None	93	21.1	1.2	2.1	-0.45	-0.56	-0.50				
					2013/02/20	Sunny	5.6	0.4	4.7	0.0	Yellowish pale gray	None	>100	22.1	1.9	1.7	-0.47	-0.61	-0.59				
	62	Emochibashi Bridge	Tamakawamura Village	2012/05/05	Sunny	21.6	0.3	15.3	0.0	Grayish yellow	None	10	9.6	4.7	18	-0.64	-0.75	-0.62					
				2012/07/18	Cloudy	27.0	0.2	26.4	0.0	Yellow greenish white	None	>100	15.4	3.1	1.5	-0.58	-0.56	-0.62					
				2012/08/30	Sunny	30.6	0.1	29.4	0.0	Yellow greenish white	None	>100	19.2	<1	1.6	-0.62	-0.75	-0.60					
				2012/11/01	Sunny	17.5	0.9	14.3	0.0	Light grayish yellow green	None	>100	17.4	3.8	2.8	-0.49	-0.59	-0.68					
				2012/12/20	Sunny	2.9	0.3	3.3	0.0	Greenish yellowish white	None	>100	19.2	2.4	2.2	-0.50	-0.58	-0.44					
				2013/01/24	Sunny	2.2	0.2	5.9	0.0	Yellowish white	None	76	21.3	4.1	2.5	-0.51	-0.77	-0.51					
				63	Sakagawashi River	Sakagawashi City	2012/05/05	Sunny	19.0	0.4	16.4	0.0	Light grayish reddish yellow	None	6	8.6	4.7	29	-0.59	-0.70	-0.63		
							2012/07/18	Cloudy	29.0	0.5	25.9	0.0	Yellowish white	None	60	13.3	3.7	2.2	-0.52	-0.50	-0.56		
							2012/10/16	Sunny	20.1	0.2	18.6	0.0	Greenish yellowish white	None	>100	16.5	<1	0.8	-0.60	-0.72	-0.60		
							2012/11/08	Cloudy	13.0	0.2	13.3	0.0	Grayish yellow	None	81	16.9	2.7	2.8	-0.61	-0.70	-0.76		
							2012/12/20	Sunny	4.4	0.5	4.8	0.0	Greenish yellowish white	None	>100	16.1	1.3	1.4	-0.55	-0.68	-0.62		
							2013/01/24	Sunny	3.4	0.2	6.8	0.0	Greenish yellowish white	None	74	18.8	2.7	2.1	-0.61	-0.70	-0.54		
	64	Shakadogawa River	Sakagawashi City				2012/05/02	Cloudy	18.0	0.3	17.9	0.0	Light grayish yellow green	None	20	13.9	14	1.6	-0.43	-0.53	-0.54		
							2012/05/10	Cloudy	13.0	0.3	16.1	0.0	Grayish yellow	None	16	12.3	30	20	-0.47	-0.61	-0.59		
							2012/06/07	Sunny	23.6	0.3	23.1	0.0	Yellow greenish white	None	73	15.8	3.2	2.7	-0.50	-0.61	-0.52		
							2012/07/18	Cloudy	29.0	0.5	26.5	0.0	Light grayish yellow green	None	60	14.2	5.1	2.5	-0.60	-0.63	-0.58		
							2012/08/07	Sunny	28.5	0.2	27.8	0.0	Grayish yellow green	None	>100	15.3	1.9	1.4	-0.51	-0.70	-0.49		
							2012/08/30	Sunny	31.1	0.4	30.8	0.0	Grayish greenish yellow	None	43	20.9	9.2	2.2	-0.57	-0.61	-0.49		
				2012/10/16	Sunny	19.7	0.3	18.8	0.0	Greenish yellowish white	None	>100	17.8	1.0	1.0	-0.64	-0.80	-0.75					
				2012/11/20	Rain, then cloudy	9.1	0.3	14.3	0.0	Grayish greenish yellow	None	89	19.3	3.5	2.7	-0.51	-0.47	-0.63					
				2012/12/12	Sunny	4.3	0.2	6.5	0.0	Light grayish greenish yellow	None	>100	19.9	<1	1.3	-0.65	-0.63	-0.62					
				2013/01/10	Sunny	-0.1	0.3	3.7	0.0	Greenish yellowish white	None	65	17.8	2.3	2.5	-0.48	-0.69	-0.62					
				2013/01/29	Sunny	-1.0	0.1	2.2	0.0	Yellowish white	None	87	20.8	2.1	2.8	-0.53	-0.68	-0.55					
				2013/02/20	Sunny	2.6	0.1	4.4	0.0	Grayish yellow	Faint seaweed	71	26.1	3.0	2.5	-0.44	-0.63	-0.50					
	65	Sacharagawa River	Shirabashi Bridge	Koriyama City	2012/05/04	Cloudy	19.6	0.2	14.9	0.0	Light grayish reddish yellow	None	4	8.8	160	76	-0.46	-0.71	0.01				
					2012/07/18	Cloudy	25.0	0.4	23.4	0.0	Light grayish yellow green	None	59	14.8	4.7	1.6	-0.60	-0.87	-0.75				
					2012/09/25	Cloudy	21.2	0.4	21.4	0.0	Grayish yellow green	None	43	20.5	7.1	2.0	-0.44	-0.44	-0.59				
					2012/11/01	Sunny	13.2	0.4	13.1	0.0	Light grayish yellow green	None	52	27.1	6.0	6.3	-0.64	-0.85	-0.66				
					2012/12/26	Cloudy	-2.4	0.5	1.5	0.0	Grayish yellow	None	40	25.6	4.4	3.4	-0.51	-0.61	-0.70				
					2013/01/23	Sunny	3.3	0.6	4.1	0.0	Light grayish greenish yellow	None	45	26.0	3.1	3.3	-0.58	-0.70	-0.58				
					66	Yatagawa River	Yatagawabashi Bridge	Koriyama City	2012/05/03	Rain	15.5	0.2	15.7	0.0	Grayish greenish yellow	None	28	17.8	10	3.5	-0.51	0.73	-0.62
									2012/07/19	Sunny	28.0	0.4	26.2	0.0	Yellow greenish white	None	100	24.5	2.8	1.4	-0.55	-0.68	-0.62
									2012/09/25	Cloudy, then sunny	20.1	0.2	20.2	0.0	Grayish reddish yellow	None	57	25.1	8.2	2.3	-0.57	-0.66	-0.60
									2012/11/01	Sunny	7.7	0.2	10.9	0.0	Light grayish yellow	None	>100	23.4	2.0	1.3	-0.46	-0.44	-0.57
									2012/12/26	Sunny	-1.0	0.2	2.6	0.0	Dark grayish yellow	None	70	29.2	3.0	2.4	-0.55	-0.59	-0.59
									2013/01/23	Sunny	2.8	0.3	6.1	0.0	Light grayish yellow	None	77	31.3	2.3	2.2	-0.55	-0.87	-0.54

Table 4.3.1.1 (2) Fukushima Pref. (Nakadori Area) River (Water Quality)

No.	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks
	Point	Municipality	General items							Radioactive material concentrations (Bq/L)								
			Water temperature					Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137	
67	Otakinegawa River	Funchikibashi Bridge	Tamarashi City	2012/05/06	Cloudy	21.1	0.2	16.1	0.0	Light grayish greenish yellow	None	20	13.0	1.2	2.3	-0.49	-0.60	-0.65
				2012/07/18	Cloudy	29.0	0.6	22.4	0.0	Light grayish greenish yellow	None	92	14.0	2.2	1.4	-0.43	-0.58	-0.60
				2012/09/25	Cloudy	16.4	0.3	17.0	0.0	Grayish reddish yellow	None	46	15.6	5.7	1.9	-0.55	-0.74	-0.53
				2012/11/14	Sunny	10.5	0.3	11.1	0.0	Yellowish white	None	90	16.0	1.7	1.2	-0.49	-0.56	-0.60
				2012/12/20	Sunny	3.7	0.3	4.7	0.0	Greenish yellowish white	None	>100	3.2	9.7	2.8	-0.46	-0.60	-0.64
68	Otakinegawa River	Before the confluence with Abukumagawa River	Tamarashi City	2013/01/22	Cloudy	1.8	0.3	4.7	0.0	Light grayish greenish yellow	None	14	28.6	26	18	-0.51	-0.68	-0.49
				2012/05/04	Light rain	16.5	0.7	14.6	0.0	Light grayish reddish yellow	None	3	9.1	39	28	-0.55	-0.75	-0.60
				2012/07/19	Sunny	29.0	0.6	24.6	0.0	Yellow greenish white	None	90	14.5	2.1	1.4	-0.51	-0.68	-0.60
				2012/09/25	Cloudy, then sunny	24.2	0.2	21.7	0.0	Grayish yellow green	None	26	15.8	14	6.6	-0.47	-0.63	-0.59
				2012/10/31	Cloudy	15.8	0.2	14.5	0.0	Light grayish yellow green	None	74	16.1	2.7	3.1	-0.48	-0.53	-0.55
69	Otakinegawa River	Before the confluence with Bahagawa River	Tamarashi City	2012/12/26	Sunny	-3.5	0.3	2.3	0.0	Grayish greenish yellow	None	85	23.7	2.3	1.9	-0.50	-0.60	-0.49
				2013/01/23	Sunny	1.7	0.2	5.6	0.0	Greenish yellowish white	None	62	21.6	2.0	1.6	-0.41	-0.58	-0.64
				2012/05/04	Sunny	17.8	0.8	15.1	0.0	Light grayish reddish yellow	None	5	7.3	130	58	-0.48	-0.58	-0.64
				2012/07/19	Sunny	28.0	0.3	23.2	0.0	Yellow greenish white	None	>100	23.5	1.0	0.6	-0.47	-0.58	-0.59
				2012/10/02	Cloudy	19.8	0.2	19.8	0.0	Light grayish greenish yellow	None	70	22.0	3.8	2.0	-0.65	-0.80	-0.62
70	Otakinegawa River	Makunouchibashi Bridge	Koriyama City	2012/10/31	Sunny	15.1	0.3	13.2	0.0	Grayish yellow	None	>100	27.7	<1	0.9	-0.52	-0.64	-0.55
				2012/12/26	Sunny	-3.9	0.1	0.4	0.0	Dark grayish yellow	None	>100	28.7	9.2	3.0	-0.65	-0.66	-0.51
				2013/01/24	Sunny	3.3	0.3	5.8	0.0	Yellowish white	None	>100	31.7	2.1	2.1	-0.46	-0.56	-0.54
				2012/05/04	Rain	16.6	1.8	14.8	0.0	Light grayish reddish yellow	None	7	9.1	110	64	-0.59	-0.64	-0.60
				2012/07/19	Sunny	29.0	1.5	24.8	0.0	Yellow greenish white	None	>100	21.3	4.7	2.2	-0.66	-0.78	-0.79
71	Otakinegawa River	Before the confluence with Abukumagawa River	Koriyama City	2012/09/25	Cloudy	21.4	0.3	21.4	0.0	Grayish yellow green	None	85	32.1	4.6	2.2	-0.55	-0.85	-0.73
				2012/10/31	Sunny	14.6	0.6	13.5	0.0	Light grayish yellow	None	>100	33.0	2.3	2.0	-0.56	-0.78	-0.62
				2012/12/26	Sunny	-4.9	0.7	1.4	0.0	Grayish yellow	None	68	31.7	2.3	2.5	-0.46	-0.69	-0.64
				2013/01/23	Sunny	1.4	0.3	5.0	0.0	Light grayish yellow	None	62	40.0	4.6	4.3	-0.55	-0.59	-0.55
				2012/05/01	Cloudy	18.5	0.2	18.2	0.0	Dark grayish yellow green	None	44	24.9	7.6	3.5	-0.64	-0.78	-0.79
72	Abukumagawa River	Akutsabashi Bridge	Koriyama City	2012/05/10	Cloudy	15.0	0.2	15.3	0.0	Light grayish yellow green	None	28	15.6	9.5	9.5	-0.61	-0.78	-0.60
				2012/06/07	Cloudy	28.0	0.2	21.6	0.0	Greenish white	None	66	21.5	3.4	2.5	-0.55	-0.53	-0.59
				2012/07/20	Cloudy	21.0	0.6	18.1	0.0	Greenish yellowish white	None	60	23.7	2.4	2.0	-0.63	-0.92	-0.58
				2012/08/07	Sunny	31.1	0.3	28.7	0.0	Light grayish yellow green	None	76	25.1	4.1	2.2	-0.48	-0.72	-0.60
				2012/08/29	Sunny	33.0	0.6	28.3	0.0	Yellow greenish white	None	87	26.1	3.2	1.3	-0.66	-0.78	-0.76
72	Abukumagawa River	Akutsabashi Bridge	Koriyama City	2012/10/02	Cloudy	20.0	0.4	20.6	0.0	Yellowish white	None	42	23.5	2.7	1.6	-0.50	-0.60	-0.59
				2012/10/31	Sunny	14.2	0.2	15.1	0.0	Light grayish greenish yellow	None	92	36.6	3.4	2.2	-0.46	-0.43	-0.59
				2012/12/07	Sunny	5.5	0.2	6.6	0.0	Grayish greenish yellow	None	66	33.0	2.8	2.4	-0.58	-0.80	-0.68
				2013/01/09	Cloudy	0.9	0.3	4.7	0.0	Greenish yellowish white	None	68	33.0	1.2	1.5	-0.60	-0.83	-0.56
				2013/01/29	Sunny	-0.1	0.3	2.0	0.0	Yellowish white	None	53	45.5	6.1	4.9	-0.68	-0.70	-0.64
				2013/02/19	Cloudy	0.7	0.3	3.2	0.0	Light grayish bluish green	None	65	58.2	6.1	3.6	-0.50	-0.61	-0.52
				2012/05/01	Cloudy	20.5	0.2	19.4	0.0	Grayish yellow green	None	43	19.9	6.4	3.0	-0.49	0.52	-0.56
				2012/05/09	Cloudy	22.0	0.4	17.5	0.0	Grayish yellow green	None	17	16.0	16	10	-0.65	0.96	1.9
				2012/06/07	Sunny	22.2	0.2	20.1	0.0	Greenish white	None	67	19.9	3.8	3.1	-0.65	-0.78	-0.73
				2012/07/20	Cloudy	21.0	0.6	19.0	0.0	Greenish yellowish white	None	65	27.4	4.9	3.4	-0.49	-0.58	-0.50
				2012/08/07	Sunny	29.5	0.2	27.7	0.0	Grayish greenish yellow	None	80	22.7	5.3	2.4	-0.42	-0.63	-0.56
				2012/08/27	Sunny	29.5	0.1	28.3	0.0	Light grayish yellow green	None	86	25.7	4.4	1.9	-0.46	-0.69	-0.59
				2012/10/16	Sunny	18.4	0.4	17.1	0.0	Greenish yellowish white	None	>100	33.4	2.1	1.2	-0.55	-0.53	-0.57
				2012/11/14	Sunny	13.5	0.3	13.8	0.0	Light grayish greenish yellow	None	55	25.5	2.3	2.2	-0.48	-0.74	-0.63
				2012/12/07	Sunny	2.5	0.2	6.3	0.0	Yellowish black	None	79	36.1	3.5	3.0	-0.60	-0.64	-0.59
2013/01/10	Cloudy	-1.8	0.3	4.0	0.0	Greenish yellowish white	None	65	33.9	4.5	4.3	-0.57	-0.70	-0.62				
2013/02/01	Sunny	-3.8	0.2	2.5	0.0	Yellowish white	None	52	33.8	6.1	4.8	-0.43	-0.81	-0.60				
2013/02/28	Sunny	7.3	0.1	5.7	0.0	Grayish yellow green	None	60	33.0	4.4	4.1	-0.46	-0.61	-0.60				

Table 4.3.1.1 (2) Fukushima Pref. (Nakadori Area) River (Water Quality)

River	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks				
	No.	Point	Municipality					General items					Radioactive material concentrations (Bq/L)									
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Radioactive cesium Cs-137			
R i v e r s	73	After the confluence with Ishimurogawa River	Koriyamashi City	2012/05/04	Cloudy	16.0	0.3	12.9	0.0	Light grayish reddish yellow	None	5	5.4	86	50	-0.63	-0.75	-0.73				
				2012/07/18	Cloudy	25.5	0.2	20.8	0.0	Yellowish white	None	54	8.4	1.6	1.3	-0.59	-0.72	-0.69				
				2012/10/02	Cloudy	19.5	0.3	18.3	0.0	Yellow greenish pale gray	None	60	10.4	2.2	1.2	-0.51	-0.66	-0.66				
				2012/10/31	Sunny	12.6	0.3	11.8	0.0	Light grayish yellow	None	>100	9.6	1.5	1.3	-0.45	-0.67	-0.73				
				2012/12/26	Sunny	-1.5	0.4	1.9	0.0	Grayish yellow	None	>100	11.8	<1	0.6	-0.45	-0.65	-0.47				
				2013/01/23	Sunny	-0.6	0.4	2.0	0.0	Colorless transparent	None	>100	12.6	<1	0.8	-0.46	-0.58	-0.61				
	74	Kamieshikitabashi Bridge	Motomiya City	2012/05/06	Sunny	18.3	0.4	14.7	0.0	Light grayish yellow	None	11	7.5	40	28	-0.41	-0.53	-0.54				
				2012/07/18	Cloudy	29.0	1.2	23.5	0.0	Light grayish yellow green	None	56	10.4	7.1	2.0	-0.47	-0.76	-0.57				
				2012/10/02	Cloudy	19.7	1.0	19.4	0.0	Yellow greenish pale gray	None	61	14.7	3.0	1.3	-0.43	-0.48	-0.50				
				2012/10/29	Sunny	15.6	0.8	16.8	0.0	Dark grayish yellow	None	60	18.8	4.8	1.8	-0.49	-0.64	-0.53				
				2012/12/21	Cloudy	0.3	0.3	2.3	0.0	Light grayish yellow	None	>100	15.2	4.2	1.8	-0.55	-0.68	-0.57				
				2013/01/23	Sunny	1.8	0.5	3.5	0.0	Light grayish reddish yellow	Faint sewage	56	17.0	2.5	2.7	-0.67	-0.87	-0.58				
	75	Before the confluence with Abukumagawa River	Motomiya City	2012/05/01	Sunny	20.2	0.3	17.4	0.0	Grayish yellow green	None	21	11.2	19	10	-0.72	-0.60	-0.60				
				2012/05/09	Cloudy	21.0	0.5	17.7	0.0	Grayish yellow green	None	20	11.6	11	8.3	-0.54	-0.66	-0.59				
				2012/06/07	Sunny	24.0	0.3	18.8	0.0	Light grayish yellow green	None	71	15.8	3.6	3.3	-0.46	-0.71	-0.56				
				2012/07/18	Cloudy	30.0	0.2	23.5	0.0	Light grayish yellow green	None	85	15.8	2.8	2.0	-0.50	-0.68	-0.69				
				2012/08/07	Sunny	30.2	0.2	27.9	0.0	Light grayish yellow green	None	76	18.0	5.5	2.7	-0.67	-0.66	-0.68				
				2012/08/29	Sunny	31.5	0.3	28.6	0.0	Light grayish greenish yellow	None	84	22.0	1.9	1.4	-0.47	-0.53	-0.55				
				2012/10/03	Cloudy	20.0	0.2	18.9	0.0	Yellowish white	None	81	16.1	2.2	1.5	-0.50	-0.66	-0.57				
				2012/10/29	Sunny	13.8	0.2	14.7	0.0	Grayish yellow	None	44	14.6	5.9	2.9	-0.69	-0.60	-0.60				
				2012/12/21	Sunny	0.3	0.2	2.6	0.0	Deep yellow green	None	>100	18.2	1.0	1.2	-0.46	-0.60	-0.50				
				2013/01/17	Cloudy	-2.0	0.2	3.4	0.0	Light grayish yellow green	None	93	23.2	1.7	1.8	-0.48	-0.63	-0.59				
				2013/02/08	Snow	-2.1	0.2	3.2	0.0	Grayish yellow	None	45	25.9	8.9	4.4	-0.48	-0.59	-0.63				
				2013/03/01	Cloudy	4.6	0.3	4.4	0.0	Light grayish yellow green	None	96	18.4	1.4	2.1	-0.51	-0.64	-0.51				
				76	Abukumagawa River	Takedabashi Bridge	Nihonmatsushi City	2012/05/01	Sunny	21.2	0.5	18.2	0.0	Dark grayish yellow green	None	30	17.0	7.2	2.9	-0.51	-0.61	-0.62
								2012/05/09	Cloudy	22.0	0.7	16.5	0.0	Grayish yellow green	None	14	14.1	17	11	-0.51	-0.60	-0.57
	2012/06/06	Cloudy	24.0					1.8	20.6	0.0	Light grayish yellow green	None	58	9.4	3.5	2.4	-0.51	-0.70	-0.59			
	2012/07/09	Sunny	29.0					1.5	22.8	0.0	Light grayish yellow	None	34	12.4	8.3	3.4	-0.53	-0.85	-0.66			
	2012/08/08	Cloudy	24.1					0.6	25.9	0.0	Grayish yellowish green	None	61	19.4	3.8	2.1	-0.55	-0.66	-0.63			
	2012/08/29	Sunny	34.0					0.3	29.5	0.0	Light grayish yellow	None	51	24.0	3.4	1.6	-0.61	-0.75	-0.70			
	2012/10/18	Cloudy	19.0					1.0	16.3	0.0	Light grayish greenish yellow	None	20	13.2	46	21	-0.57	-0.64	1.4			
	2012/11/14	Sunny	9.0					1.5	11.8	0.0	Yellowish pale gray	None	82	23.2	3.9	2.8	-0.57	-0.70	-0.54			
	2012/12/20	Sunny	1.3					2.3	3.2	0.0	Dark grayish greenish yellow	None	63	23.2	2.8	2.6	-0.54	-0.68	-0.55			
	2013/01/10	Sunny	-0.6					2.0	2.4	0.0	Greenish yellowish white	None	88	23.3	2.1	2.0	-0.61	-0.72	-0.73			
	2013/02/07	Sunny	9.1					1.5	5.7	0.0	Greenish yellowish white	None	59	28.2	8.0	5.1	-0.52	-0.67	-0.62			
	2013/02/28	Sunny	5.5					1.0	5.8	0.0	Dark grayish yellow green	None	51	24.7	2.6	2.6	-0.55	-0.63	-0.54			
77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City					2012/05/06	Sunny	26.9	0.3	16.2	0.0	Grayish greenish yellow	None	56	9.8	6.8	3.1	-0.56	-0.68	-0.53
								2012/07/09	Cloudy	23.0	0.5	18.4	0.0	Greenish yellowish white	None	80	10.1	9.2	2.2	-0.60	-0.68	-0.59
				2012/10/04	Rain	16.3	0.3	15.4	0.0	Grayish greenish yellow	None	18	8.8	29	6.9	-0.42	0.67	1.0				
				2012/10/30	Cloudy	14.8	0.6	10.6	0.0	Greenish yellowish white	None	>100	11.8	1.6	1.0	-0.51	-0.69	-0.50				
				2013/01/10	Sunny	0.7	0.5	2.4	0.0	Colorless transparent	None	>100	63.0	1.2	0.7	-0.69	-0.85	-0.66				
				2013/02/01	Sunny	5.5	0.9	0.8	0.0	Greenish yellowish white	None	>100	14.9	1.5	1.0	-0.43	-0.66	-0.60				

Table 4.3.1.1 (2) Fukushima Pref. (Nakadori Area) River (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks				
No.	Point	Municipality	General items						Radioactive material concentrations (Bq/L)													
			Water temperature					Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137					
78	Utsubagawa River	Oogawabashi Bridge	Nihonmatsushi City	2012/04/30	Cloudy	22.5	0.3	17.8	0.0	Grayish yellow green	None	50	14.1	11	2.1	-0.50	-0.58	-0.54				
				2012/05/09	Cloudy	18.0	0.3	14.2	0.0	Light grayish yellow green	None	36	13.2	3.9	3.1	-0.57	-0.64	-0.70				
				2012/06/06	Rain	20.1	0.5	17.6	0.0	Yellow greenish white	None	59	14.7	1.2	1.5	-0.60	-0.92	-0.68				
				2012/07/09	Sunny	30.0	0.8	20.8	0.0	Light grayish yellow	None	43	12.6	20	4.3	-0.49	-0.65	0.54				
				2012/08/08	Cloudy	25.3	0.3	20.7	0.0	Greenish yellowish white	None	>100	15.3	1.3	1.0	-0.49	-0.56	-0.52				
				2012/08/29	Sunny	33.0	0.5	24.4	0.0	Light grayish yellow green	None	89	15.7	7.0	1.6	-0.46	-0.65	-0.54				
				2012/10/03	Rain	18.0	0.2	17.3	0.0	Yellowish white	None	28	15.2	10	3.2	-0.59	-0.60	-0.66				
				2012/11/13	Cloudy	12.9	0.7	11.9	0.0	Yellow reddish dark gray	None	18	17.7	4.7	18	-0.51	-0.67	-0.59				
				2012/12/20	Sunny	-3.8	0.5	1.8	0.0	Dark grayish greenish yellow	None	>100	17.2	5.8	1.3	-0.50	-0.61	-0.59				
				2013/01/10	Sunny	2.5	0.3	1.4	0.0	Greenish yellowish white	None	>100	17.0	2.0	0.9	-0.53	-0.72	-0.55				
				2013/02/07	Sunny	4.4	0.2	4.3	0.0	Greenish yellowish pale gray	None	>100	19.6	6.0	2.0	-0.50	-0.56	-0.55				
				2013/02/28	Sunny	12.0	0.5	5.1	0.0	Greenish yellowish white	None	76	16.1	1.3	1.1	-0.45	-0.71	-0.64				
				2012/05/06	Sunny	23.0	0.3	14.5	0.0	Light grayish yellow green	None	21	7.5	15	8.8	-0.53	-0.59	-0.66				
				79	Mizuharigawa River	Gotochubashi Bridge	Nihonmatsushi City	2012/07/10	Sunny	24.0	0.4	19.3	0.0	Greenish yellowish white	None	89	4.3	3.8	1.9	-0.61	-0.63	-0.60
								2012/10/04	Cloudy	19.0	0.5	18.0	0.0	Light grayish reddish yellow	None	7	7.3	5.5	3.3	-0.49	-0.64	-0.55
2012/11/01	Cloudy	15.2	0.2					13.1	0.0	Light grayish yellow green	None	>100	10.3	<1	0.8	-0.46	-0.60	-0.50				
2012/12/20	Cloudy	2.5	0.1					3.5	0.0	Greenish yellowish white	None	>100	31.1	<1	1.2	-0.49	-0.71	-0.57				
2013/02/12	Cloudy	0.6	0.3					2.3	0.0	Light grayish reddish yellow	None	66	17.8	3.4	2.9	-0.42	-0.60	-0.50				
80	Megami-gawa River	Tsuumakibashi Bridge	Fukushima City	2012/05/06	Sunny	22.2	0.2	15.9	0.0	Light grayish green	None	30	20.0	13	6.8	-0.54	-0.72	-0.63				
				2012/07/10	Sunny	31.0	0.1	22.0	0.0	Light grayish yellow green	None	34	18.3	15	4.0	-0.52	-0.53	0.72				
				2012/10/04	Cloudy	21.7	0.3	18.5	0.0	Light grayish greenish yellow	None	71	22.0	2.2	0.8	-0.56	-0.66	-0.60				
				2012/11/01	Sunny	12.2	0.4	14.5	0.0	Light grayish reddish yellow	None	>100	24.5	<1	0.8	-0.47	-0.65	-0.68				
				2012/12/20	Sunny	4.7	0.2	5.1	0.0	Greenish yellowish white	None	>100	35.4	<1	0.7	-0.55	-0.68	-0.59				
81	Abukamagawa River	Horaihashi Bridge	Fukushima City	2013/02/12	Cloudy	2.6	2.5	3.7	0.0	Yellowish white	None	70	32.8	<1	0.8	-0.51	-0.64	-0.63				
				2012/04/30	Sunny	26.5	0.3	18.3	0.0	Grayish green	None	45	14.9	5.2	2.9	-0.62	-0.70	-0.77				
				2012/05/08	Cloudy	18.5	0.5	16.2	0.0	Light reddish yellow	None	11	12.4	19	12	-0.75	-0.73	-0.62				
				2012/06/06	Cloudy	25.0	0.3	21.3	0.0	Greenish white	None	65	16.8	1.9	2.1	-0.48	-0.63	-0.56				
				2012/07/10	Sunny	31.3	0.5	24.6	0.0	Reddish yellowish white	None	42	13.3	6.4	2.8	-0.55	-0.50	-0.57				
				2012/08/08	Cloudy	26.8	0.2	28.1	0.0	Grayish yellow	None	31	18.8	4.2	2.2	-0.46	-0.69	-0.59				
				2012/08/28	Sunny	32.5	0.2	29.7	0.0	Light grayish greenish yellow	None	44	21.2	3.1	1.4	-0.53	-0.68	-0.69				
				2012/10/18	Cloudy	20.0	1.0	16.5	0.0	Light grayish yellow	None	15	16.2	38	22	-0.55	-0.74	-0.69				
				2012/11/13	Cloudy	16.5	0.2	13.4	0.0	Light grayish yellow green	None	74	21.8	5.2	4.1	-0.56	-0.53	-0.59				
				2012/12/17	Cloudy	5.1	0.9	6.3	0.0	Greenish yellowish white	None	95	24.2	1.6	1.9	-0.50	-0.58	-0.57				
				2013/01/09	Snow	-0.2	0.7	1.7	0.0	Greenish yellowish white	None	>100	21.8	<1	1.0	-0.48	-0.65	-0.50				
				2013/02/07	Sunny	3.8	0.4	4.3	0.0	Grayish greenish yellow	None	75	23.4	3.6	3.6	-0.48	-0.63	-0.57				
				2013/02/27	Cloudy	6.5	0.5	4.3	0.0	Dark grayish yellow green	None	85	23.5	1.9	2.6	-0.42	-0.65	-0.60				
				82	Nigorigawa River	Before the confluence with Omorigawa River	Fukushima City	2012/05/06	Cloudy	23.8	0.3	17.1	0.0	Dark yellow red	None	21	11.7	19	9.7	-0.62	-0.75	-0.66
								2012/07/10	Sunny	31.0	0.1	21.9	0.0	Yellowish white	None	77	13.9	2.5	1.1	-0.56	-0.78	-0.73
2012/10/03	Cloudy	19.2	0.4					19.9	0.0	Light grayish yellow	None	67	17.8	4.3	2.0	-0.53	-0.64	-0.60				
2012/11/02	Cloudy	8.4	0.3					13.9	0.0	Grayish yellow	None	76	22.8	7.3	4.0	-0.65	-0.61	-0.75				
2012/12/27	Sunny	1.9	0.4					7.4	0.0	Grayish yellow green	None	49	33.5	4.4	5.7	-0.65	-0.75	-0.76				
2013/02/13	Sunny	2.3	0.2					6.2	0.0	Light grayish greenish yellow	Sewage	17	30.9	12	13	-0.57	-0.59	0.60				
83	Arakawa River	Hinokurabashi Bridge	Fukushima City	2012/05/06	Rain	14.0	0.3	11.0	0.0	Light grayish green	None	38	12.8	6.7	3.1	-0.62	-0.64	-0.53				
				2012/07/10	Sunny	34.0	0.2	20.4	0.0	Yellow greenish white	None	94	17.1	3.5	1.2	-0.47	-0.58	-0.47				
				2012/08/29	Sunny	29.0	0.3	22.4	0.0	Yellow greenish white	None	>100	25.0	<1	1.1	-0.46	-0.72	-0.63				
				2012/11/01	Cloudy	8.0	0.2	11.8	0.0	Grayish yellow green	None	67	22.6	2.5	2.6	-0.50	-0.48	-0.63				
				2012/12/27	Cloudy	-0.5	0.1	2.7	0.0	Light grayish yellow green	None	88	8.9	<1	0.7	-0.44	-0.61	-0.53				
2013/02/28	Sunny	6.5	0.2	6.3	0.0	Colorless transparent	None	>100	31.0	5.9	4.5	-0.50	-0.63	-0.52								

Table 4.3.1.1 (2) Fukushima Pref. (Nakadori Area) River (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks	
No.	Point	Municipality	General items						Radioactive material concentrations (Bq/L)										
			Water temperature					Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
R i v e r s	84	Sakawa River	Sakawabashi Bridge	Fukushima City	2012/05/05	Cloudy	20.0	0.3	12.9	0.0	Grayish yellowish green	None	72	27.3	2.0	2.4	-0.46	-0.61	-0.50
					2012/07/10	Sunny	33.0	0.5	20.3	0.0	Colorless transparent	None	>100	33.4	<1	0.8	-0.54	-0.50	-0.62
					2012/10/03	Rain	17.0	0.4	17.0	0.0	Yellow greenish white	None	>100	38.7	<1	0.2	-0.67	-0.75	-0.60
					2012/11/01	Cloudy	5.8	0.5	10.5	0.0	Grayish greenish yellow	None	>100	50.4	<1	0.3	-0.51	-0.53	-0.62
					2012/12/20	Snow	2.1	0.2	5.2	0.0	Greenish yellowish white	None	>100	73.6	<1	0.1	-0.51	-0.61	-0.51
					2013/02/13	Cloudy	0.7	0.4	5.6	0.0	Colorless transparent	None	>100	73.7	<1	<0.1	-0.42	-0.48	-0.57
	85	Anakawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/04/30	Cloudy	24.1	0.2	15.3	0.0	Grayish blue green	None	55	16.9	2.9	1.3	-0.55	-0.70	-0.74
					2012/05/08	Cloudy	20.5	0.4	16.5	0.0	Grayish yellow green	None	36	18.4	6.0	2.5	-0.69	-0.70	-0.70
					2012/06/06	Cloudy	21.8	0.3	17.5	0.0	Blue greenish white	None	69	31.4	9.3	3.2	-0.58	-0.70	-0.68
					2012/07/12	Rain	26.0	0.5	20.2	0.0	Colorless transparent	None	86	23.7	9.8	3.3	-0.46	-0.70	-0.62
					2012/08/08	Cloudy	26.2	0.4	24.7	0.0	Light grayish blue green	None	63	34.5	12	2.6	-0.55	-0.72	-0.69
					2012/08/28	Sunny	36.0	0.3	28.1	0.0	Light grayish greenish yellow	None	44	37.5	8.0	1.5	-0.61	-0.85	-0.79
					2012/10/18	Cloudy	19.0	0.5	16.9	0.0	Greenish yellowish white	None	>100	30.6	10	3.5	-0.68	-0.83	-0.70
					2012/11/12	Cloudy	15.4	0.7	14.3	0.0	Grayish blue green	None	40	29.9	15	6.2	-0.49	-0.58	-0.46
					2012/12/06	Cloudy	5.8	0.2	8.2	0.0	Greenish white	None	75	35.1	9.5	4.3	-0.49	-0.65	-0.40
					2013/01/09	Snow	0.2	0.4	5.0	0.0	Greenish yellowish white	None	80	35.3	9.3	4.9	-0.52	-0.66	-0.62
					2013/01/29	Sunny	5.8	0.5	7.3	0.0	Greenish yellowish white	None	43	38.3	13	6.9	-0.49	-0.73	-0.56
					2013/02/17	Sunny	2.9	0.2	7.9	0.0	Pale blue green	None	42	38.3	16	7.1	-0.47	-0.56	-0.59
	86	Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/04/30	Cloudy	21.0	0.5	10.1	0.0	Grayish yellow green	None	60	7.3	3.8	0.8	-0.44	-0.53	-0.56
					2012/05/08	Cloudy	23.0	0.3	15.3	0.0	Light grayish yellow green	None	33	9.5	2.1	1.0	-0.53	-0.59	-0.53
					2012/06/05	Cloudy	23.6	0.1	20.9	0.0	Greenish yellowish white	None	>100	15.8	<1	0.4	-0.51	-0.59	-0.53
					2012/07/11	Sunny	32.0	0.3	22.3	0.0	Colorless transparent	None	>100	14.5	<1	0.7	-0.45	-0.72	-0.66
					2012/08/08	Cloudy	20.5	0.3	23.1	0.0	Yellow greenish white	None	>100	20.0	<1	0.4	-0.59	-0.66	-0.57
					2012/08/28	Cloudy	31.8	0.3	27.1	0.0	Light grayish yellow green	None	>100	21.7	<1	0.4	-0.47	-0.44	-0.63
2012/10/18					Cloudy	17.2	0.4	16.8	0.0	Greenish yellowish white	None	>100	34.5	<1	0.7	-0.55	-0.64	-0.53	
2012/11/12					Cloudy	12.6	0.2	12.6	0.0	Greenish yellowish pale gray	None	39	16.9	6.7	5.8	-0.62	-0.72	-0.71	
2012/12/17					Cloudy	6.7	0.4	7.4	0.0	Greenish yellowish white	None	25	18.8	3.2	3.6	-0.52	-0.74	-0.60	
2013/01/09					Snow	1.1	0.9	4.3	0.0	Greenish yellowish white	None	>100	23.7	2.1	1.5	-0.67	-0.96	-0.64	
2013/02/06					Snow	-1.0	0.2	4.8	0.0	Light grayish reddish yellow	Sewage	46	24.6	2.5	3.7	-0.53	-0.79	-0.59	
2013/02/28					Cloudy	5.2	0.5	7.8	0.0	Greenish yellowish white	None	30	19.6	15	10	-0.51	-0.68	0.71	
87	Hattandagawa River	Hattandabashi Bridge	Fukushima City	2012/05/05	Sunny	22.0	0.2	17.0	0.0	Light grayish reddish yellow	None	6	11.9	55	35	-0.64	-0.66	-0.68	
				2012/07/11	Sunny	33.0	0.5	22.1	0.0	Greenish yellowish white	None	>100	14.5	4.4	1.7	-0.58	-0.72	-0.62	
				2012/10/03	Cloudy	18.8	0.5	18.9	0.0	Light grayish greenish yellow	None	51	21.1	8.8	3.8	-0.48	-0.63	-0.55	
				2012/10/31	Cloudy	17.6	0.3	15.2	0.0	Grayish yellow	None	37	20.5	14	4.8	-0.66	-0.75	-0.64	
				2012/12/27	Sunny	3.3	0.4	3.5	0.0	Light grayish yellow	None	45	22.8	2.0	2.5	-0.53	-0.68	-0.51	
				2013/02/25	Cloudy	-1.0	0.4	3.7	0.0	Strong reddish yellow	None	12	37.4	28	19	-0.63	-0.75	1.2	
88	Surkamigawa River	Totsanabashi Bridge	Fukushima City	2012/05/05	Sunny	21.0	-	11.6	0.0	Grayish yellow green	None	14	4.2	15	5.8	-0.53	-0.70	-0.59	
				2012/07/05	Cloudy	24.3	0.3	19.0	0.0	Yellow greenish white	None	94	5.6	2.7	1.5	-0.45	-0.71	-0.54	
				2012/09/13	Sunny	28.0	0.3	22.7	0.0	Light grayish yellow green	None	>100	8.0	<1	0.5	-0.49	-0.63	-0.59	
				2012/10/31	Cloudy	16.7	0.5	13.3	0.0	Dark grayish yellow green	None	>100	8.5	<1	0.6	-0.53	-0.72	-0.78	
				2012/12/27	Sunny	1.4	0.5	4.3	0.0	Dark grayish yellow green	None	>100	10.2	<1	1.4	-0.45	-0.68	-0.49	
				2013/02/13	Cloudy	0.6	0.3	6.9	0.0	Yellow greenish pale gray	None	70	11.0	4.3	2.0	-0.58	-0.85	-0.62	

Table 4.3.1.1 (2) Fukushima Pref. (Nakadori Area) River (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality											Remarks			
No.	Point	Municipality	General items							Radioactive material concentrations (Bq/L)												
			Water temperature					Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137					
89	Surikami-gawa River	Before the confluence with Abukumagawa River	Fukushima-shi City	2012/04/30	Cloudy	17.5	0.2	9.6	0.0	Grayish yellow green	None	96	5.0	1.8	1.1	-0.57	-0.88	-0.77				
				2012/05/08	Cloudy	25.0	0.4	13.2	0.0	Grayish greenish yellow	None	20	4.7	4.3	6.5	-0.51	-0.44	-0.56				
				2012/06/05	Cloudy	27.2	0.3	19.6	0.0	Yellow greenish white	None	97	7.3	<1	1.1	-0.42	-0.56	-0.50				
				2012/07/05	Cloudy	26.5	0.2	17.8	0.0	Yellow greenish pale gray	None	>100	8.5	3.9	1.4	-0.52	-0.53	-0.68				
				2012/08/09	Cloudy	23.1	0.3	20.7	0.0	Dark grayish yellow green	None	>100	7.2	1.2	0.8	-0.44	-0.48	-0.67				
				2012/08/28	Cloudy	32.0	0.3	26.0	0.0	Yellow greenish white	None	>100	7.9	1.0	0.9	-0.51	-0.61	-0.60				
				2012/10/23	Rain	14.7	0.3	15.1	0.0	Colorless transparent	None	>100	10.1	1.0	0.6	-0.62	-0.63	-0.68				
				2012/11/12	Cloudy	14.4	1.0	13.0	0.0	Yellowish white	None	>100	11.9	<1	0.8	-0.71	-0.78	-0.73				
				2012/12/06	Sunny	6.4	0.3	8.4	0.0	Yellow greenish white	None	>100	12.8	1.2	0.5	-0.59	-0.60	-0.73				
				2013/01/09	Cloudy	-0.6	0.3	3.1	0.0	Greenish yellowish white	None	>100	12.3	<1	0.4	-0.46	-0.60	-0.54				
				2013/01/30	Cloudy	3.9	0.8	4.0	0.0	Greenish yellowish white	None	>100	13.4	<1	0.6	-0.46	-0.61	-0.59				
				2013/02/20	Sunny	1.9	0.2	4.7	0.0	Grayish reddish yellow	None	90	24.6	1.8	1.3	-0.57	-0.56	-0.69				
				2012/04/29	Sunny	22.6	0.4	12.9	0.0	Grayish yellowish green	None	65	9.0	3.7	2.4	-0.66	-0.75	-0.60				
				90	Abukumagawa River	Taishobashi Bridge	Date-shi City	2012/05/08	Cloudy	23.0	0.3	17.2	0.0	Grayish reddish yellow	None	13	11.0	33	20	-0.66	-0.83	-0.60
								2012/06/05	Cloudy	27.9	0.8	22.1	0.0	Yellow greenish white	None	77	17.6	<1	1.0	-0.51	-0.66	-0.62
2012/07/11	Sunny	31.0	2.0					24.3	0.0	Yellowish white	None	46	14.4	9.7	4.0	-0.53	-0.68	-0.62				
2012/08/09	Cloudy	25.4	0.7					24.1	0.0	Grayish yellow green	None	60	18.0	3.6	1.5	-0.62	-0.83	-0.62				
2012/08/28	Sunny	30.1	0.2					30.8	0.0	Grayish yellow green	None	62	22.3	1.6	0.9	-0.60	-0.63	-0.68				
2012/10/18	Cloudy	19.0	3.0					16.8	0.0	Light grayish greenish yellow	None	25	60.3	44	16	-0.67	-0.80	0.71				
2012/11/13	Sunny	10.7	0.6					11.9	0.0	Light grayish yellow green	None	67	22.7	4.8	3.7	-0.54	-0.76	-0.62				
2012/12/06	Sunny	6.1	0.5					7.1	0.0	Grayish greenish yellow	None	40	21.7	22	23	-0.60	-0.66	-0.59				
2012/12/19	Snow	4.1	0.7					6.5	0.0	Yellowish white	None	>100	29.0	1.5	1.2	-0.62	-0.50	-0.53				
2013/01/14	Snow	1.7	0.3					2.5	0.0	Grayish yellow	None	65	31.4	3.0	2.3	-0.50	-0.58	-0.54				
2013/02/06	Snow	0.0	0.3					5.4	0.0	Light yellow	None	82	57.5	4.3	3.6	-0.54	-0.50	-0.50				
2012/05/05	Cloudy	16.1	0.2					15.6	0.0	Grayish yellow green	None	17	9.6	32	9.8	-0.58	-0.69	1.3				
2012/07/10	Sunny	35.0	0.2					20.1	0.0	Greenish yellowish white	None	61	9.5	9.0	1.9	-0.59	-0.76	-0.59				
2012/10/04	Cloudy	15.8	0.2					15.8	0.0	Grayish reddish yellow	None	14	8.8	43	9.8	-0.48	-0.67	-0.55				
2012/11/12	Rain	13.1	0.5					11.5	0.0	Yellowish white	None	58	11.9	4.1	2.4	-0.55	-0.68	-0.63				
2012/12/19	Sunny	5.0	0.3	4.5	0.0	Greenish yellowish white	None	>100	35.3	1.5	1.0	-0.44	-0.65	-0.60								
2013/02/12	Cloudy	1.9	0.3	3.5	0.0	Reddish yellowish white	None	>100	31.8	2.8	1.1	-0.48	-0.63	-0.60								
92	Hirosegawa River	Izogawarabashi Bridge	Date-shi City	2012/05/05	Cloudy	19.7	0.3	14.0	0.0	Light grayish greenish yellow	None	50	10.5	7.6	2.5	-0.50	-0.71	-0.50				
				2012/07/12	Cloudy	24.0	0.4	20.3	0.0	Greenish yellowish white	None	85	12.4	6.0	1.6	-0.54	-0.61	-0.56				
				2012/10/03	Rain	17.6	0.3	17.9	0.0	Light grayish yellow green	None	67	14.9	2.8	1.6	-0.52	-0.59	-0.62				
				2012/10/31	Cloudy	16.4	0.3	12.4	0.0	Light grayish yellow	None	>100	13.6	2.0	1.4	-0.51	-0.56	-0.57				
				2012/12/19	Sunny	4.1	0.3	5.0	0.0	Greenish yellowish white	None	>100	29.6	1.2	0.9	-0.46	-0.50	-0.40				
				2013/01/15	Cloudy	-0.6	0.3	1.5	0.0	Grayish yellow	None	86	18.9	1.9	1.5	-0.54	-0.64	-0.66				
				2013/02/06	Snow	-1.0	0.2	4.7	0.0	Grayish yellow red	None	81	25.0	3.3	1.5	-0.50	-0.56	-0.55				
				2012/04/29	Sunny	26.1	0.3	19.1	0.0	Grayish yellowish green	None	65	17.1	4.1	1.8	-0.53	-0.63	0.56				
				2012/05/08	Sunny	21.0	0.3	17.0	0.0	Light grayish greenish yellow	None	50	15.0	7.0	3.9	-0.53	-0.70	-0.55				
				2012/06/05	Cloudy	27.0	0.3	23.4	0.0	Light grayish greenish yellow	None	91	21.8	1.9	2.3	-0.65	-0.78	-0.64				
				2012/07/12	Cloudy	26.0	0.2	22.7	0.0	Yellowish white	None	>100	17.0	4.9	2.9	-0.49	-0.58	0.49				
				2012/08/09	Cloudy	26.4	0.2	25.1	0.0	Light grayish yellow green	None	>100	25.6	3.8	2.2	-0.51	-0.65	-0.52				
				2012/08/28	Sunny	33.0	0.2	29.8	0.0	Light grayish yellow green	None	58	32.3	3.7	2.0	-0.48	-0.61	-0.57				
				2012/10/03	Cloudy	19.0	0.4	19.6	0.0	Light grayish greenish yellow	None	76	25.9	6.2	2.8	-0.54	-0.72	0.67				
				2012/10/23	Rain	15.1	0.3	16.6	0.0	Light grayish yellow green	None	95	29.7	1.5	0.9	-0.64	-0.87	-0.60				
2012/11/13	Cloudy	15.6	0.7	13.2	0.0	Light grayish yellow green	None	>100	29.7	1.0	1.3	-0.46	-0.72	-0.57								
2012/12/06	Sunny	5.4	0.3	7.1	0.0	Light grayish greenish yellow	None	63	22.6	2.8	2.9	-0.64	-0.74	-0.66								
2012/12/19	Sunny	2.5	0.4	5.3	0.0	Yellowish white	None	>100	29.7	<1	0.9	-0.42	-0.65	-0.49								
2013/01/15	Cloudy	-1.6	0.5	2.9	0.0	Dark grayish yellow	None	69	28.9	1.3	1.7	-0.63	-0.72	-0.65								
2013/02/05	Sunny	8.6	0.3	7.0	0.0	Grayish reddish yellow	None	92	22.3	3.8	3.1	-0.46	-0.56	-0.56								

Table 4.3.1.1 (2) Fukushima Pref. (Nakadori Area) River (Water Quality)

R i v e r s	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks				
	No.	Point	Municipality					General items					Radioactive material concentrations (Bq/L)									
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity mS/cm	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Radioactive cesium Cs-137			
94	Hirosegawa River	Before the confluence with Abukumagawa River	Dateishi City	2012/04/29	Sunny	31.5	0.3	21.9	0.0	Light grayish yellow green	None	70	13.4	2.7	1.3	-0.50	-0.56	-0.60				
				2012/05/08	Sunny	22.7	0.2	17.5	0.0	Light grayish greenish yellow	None	38	17.1	6.8	4.4	-0.46	-0.56	-0.50				
				2012/06/05	Cloudy	25.5	0.2	21.4	0.0	Light grayish yellow green	None	85	15.2	<1	1.9	-0.55	-0.61	-0.59				
				2012/07/11	Sunny	33.0	0.2	26.1	0.0	Greenish yellowish white	None	60	15.2	9.7	3.4	-0.62	-0.75	-0.70				
				2012/08/09	Sunny	26.0	0.2	29.1	0.0	Greenish yellowish white	None	>100	16.7	1.0	0.8	-0.58	-0.53	-0.60				
				2012/08/28	Cloudy	32.0	0.2	28.5	0.0	Light grayish yellow green	None	83	19.6	4.1	0.5	-0.50	0.79	1.0				
				2012/10/18	Cloudy	17.0	0.6	16.2	0.0	Soft yellow	None	24	13.9	25	13	-0.44	-0.63	-0.59				
				2012/11/13	Cloudy	12.1	0.3	13.5	0.0	Grayish reddish yellow	None	>100	18.4	1.4	1.6	-0.53	-0.76	-0.53				
				2012/12/06	Cloudy	7.4	0.7	6.8	0.0	Grayish reddish yellow	None	85	19.9	2.8	2.5	-0.51	-0.51	-0.50				
				2012/12/27	Cloudy	-1.8	0.2	1.0	0.0	Light grayish yellow	None	>100	45.2	1.3	1.3	-0.53	-0.64	-0.53				
				2013/01/14	Snow	0.9	0.2	1.3	0.0	Grayish yellow	None	48	20.3	2.2	1.7	-0.65	-0.78	-0.76				
				2013/02/13	Cloudy	6.0	0.3	6.1	0.0	Yellowish white	None	75	26.3	2.1	1.7	-0.61	-0.72	-0.60				
				2012/05/21	Cloudy	21.9	0.5	20.1	0.0	Greenish white	None	60	7.5	<1	1.5	-0.51	-0.61	-0.65				
				95	Kurokawa River	Tochigisakai	Shirakawashi City	2012/07/23	Sunny	23.0	0.3	21.7	0.0	Yellow greenish white	None	100	9.0	<1	0.5	-0.65	-0.92	-0.64
								2012/08/20	Sunny	24.0	0.3	24.0	0.0	Yellow greenish white	None	>100	8.8	<1	0.3	-0.65	-0.78	-0.70
2012/10/30	Sunny	18.5	0.3					14.9	0.0	Light grayish yellow	None	>100	9.1	<1	0.4	-0.58	-0.66	-0.57				
2012/12/21	Cloudy	3.3	0.4					4.2	0.0	Greenish yellowish white	None	>100	9.6	<1	0.4	-0.53	-0.61	-0.66				
2013/01/24	Sunny	0.7	0.2					4.5	0.0	Grayish yellow	None	>100	10.8	<1	0.6	-0.45	-0.50	-0.50				
96	Matsukabashi Bridge	Matsukabashi Bridge	Tamagaramachi Town	2012/05/23	Cloudy	17.8	0.2	14.4	0.0	Yellow greenish white	None	56	11.1	2.3	2.1	-0.59	-0.60	-0.71				
				2012/07/23	Sunny	26.1	0.5	24.1	0.0	Yellow greenish white	None	>100	1.0	<1	0.6	-0.44	-0.58	-0.60				
				2012/08/20	Sunny	32.5	0.2	26.5	0.0	Grayish yellow	None	>100	1.4	1.1	0.6	-0.47	-0.59	-0.57				
				2012/11/19	Cloudy, then rain	4.4	0.4	8.1	0.0	Grayish greenish yellow	None	70	14.1	4.3	3.3	-0.57	-0.53	-0.53				
				2012/12/20	Sunny	2.2	0.4	5.2	0.0	Greenish yellowish pale gray	None	>100	10.2	6.5	2.5	-0.46	-0.60	-0.56				
				2013/01/14	Snow	-0.5	0.7	0.1	0.0	Greenish yellowish white	None	>100	15.0	<1	0.8	-0.49	-0.65	-0.54				
97	Kujigawa River	Takachiharabashi Bridge	Yamatsurimachi Town	2012/05/21	Sunny	19.5	0.3	18.6	0.0	Yellow greenish white	None	58	9.3	3.2	1.9	-0.47	-0.56	-0.60				
				2012/07/23	Sunny	27.0	0.4	23.1	0.0	Yellow greenish white	None	100	1.2	3.3	1.2	-0.55	-0.53	-0.66				
				2012/08/20	Sunny	31.0	0.5	28.4	0.0	Grayish yellow green	None	>100	1.2	1.3	0.7	-0.53	-0.69	-0.47				
				2012/11/19	Rain	6.1	0.4	7.8	0.0	Grayish yellow	None	>100	12.0	2.1	1.5	-0.71	-0.63	-0.66				
				2012/12/21	Sunny	4.1	0.6	3.3	0.0	Greenish yellowish white	None	>100	11.8	<1	0.8	-0.47	-0.65	-0.62				
				2013/01/14	Snow	0.8	0.8	2.4	0.0	Greenish yellowish white	None	>100	12.6	<1	0.8	-0.56	-0.71	-0.62				

Table 4.3.1.1(3) Fukushima Pref. (Aizu Area) River (Water Quality)

River	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality											Remarks		
	No.	Point	Municipality					General items					Radiocesium concentrations (Bq/L)			Remarks					
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity μS/m	SS mg/L	Turbidity		Radiocesium I-131	Radiocesium Cs-134		Radiocesium Cs-137	
R i v e r s	98	Tajimabashi Bridge	Minamiaizumachi Town	2012/05/24	Sunny	25.2	0.2	18.0	0.0	Greenish yellowish white	None	49	5.5	<1	1.1	-0.57	-0.64	-0.55			
				2012/07/25	Cloudy	24.5	0.5	19.7	0.0	Yellow greenish white	None	100	6.1	<1	0.3	-0.60	-0.72	-0.68			
				2012/08/21	Sunny	32.0	0.3	30.0	0.0	Yellow greenish white	None	>100	7.4	1.0	0.9	-0.59	-0.87	-0.73			
				2012/11/11	Cloudy	11.3	0.2	10.9	0.0	Light grayish reddish yellow	None	>100	6.7	<1	0.5	-0.48	-0.69	-0.49			
				2012/12/26	Snow	-5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/02/20	Cloudy	-0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	99	Okawabashi Bridge	Minamiaizumachi Town	2012/05/24	Cloudy	28.2	1.5	15.0	0.0	Greenish yellowish white	None	>100	6.6	<1	1.1	-0.48	-0.67	-0.52			
				2012/07/26	Cloudy	29.0	1.5	21.1	0.0	Yellow greenish white	None	>100	7.9	<1	0.2	-0.49	-0.61	-0.60			
				2012/08/21	Sunny	34.0	0.9	23.0	0.0	Light grayish yellow green	None	>100	8.4	<1	0.6	-0.55	-0.70	-0.68			
				2012/11/01	Sunny	16.3	0.3	14.2	0.0	Grayish yellow green	None	>100	9.0	<1	0.8	-0.54	-0.64	-0.63			
				2012/12/26	Snow	-4.7	0.5	4.1	0.0	Greenish yellowish dark gray	None	>100	9.0	<1	0.8	-0.48	-0.69	-0.50			
				2013/02/20	Sunny	-6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
	100	Takimabashi Bridge	Aizuwakamatsushi City	2012/05/24	Sunny	27.2	0.7	15.0	0.0	Colorless transparent	None	>100	7.9	<1	0.6	-0.70	-0.73	-0.68			
				2012/07/26	Sunny	29.0	0.6	21.0	0.0	Greenish yellowish white	None	100	12.1	1.3	0.9	-0.52	-0.68	-0.59			
				2012/08/21	Sunny	31.0	0.7	22.0	0.0	Greenish yellowish white	None	>100	12.5	<1	0.5	-0.49	-0.58	-0.49			
				2012/10/30	Sunny	16.7	0.4	13.4	0.0	Colorless transparent	None	>100	11.9	1.2	1.1	-0.56	-0.72	-0.62			
				2012/12/27	Sunny	-0.2	0.6	3.2	0.0	Dark grayish greenish yellow	None	65	18.1	2.7	1.2	-0.54	-0.61	-0.57			
				2013/02/18	Snow	-1.7	0.3	2.5	0.0	Reddish yellowish white	None	90	24.1	1.8	1.0	-0.44	-0.58	-0.67			
	101	Yakawa River	Shinyakawabashi Bridge	Aizuwakamatsushi City	2012/05/24	Sunny	28.2	0.4	18.7	0.0	Reddish yellowish white	None	44	9.6	2.5	2.7	-0.52	-0.53	-0.65		
					2012/07/24	Cloudy	24.8	0.2	22.1	0.0	Yellow greenish white	None	90	11.3	1.1	0.6	-0.60	-0.72	-0.66		
					2012/08/22	Sunny	29.0	0.2	24.1	0.0	Grayish yellow green	None	>100	13.1	2.8	1.4	-0.58	-0.63	-0.68		
					2012/11/02	Rain	5.7	0.2	11.0	0.0	Light grayish yellow green	None	>100	11.6	3.7	1.6	-0.64	-0.80	-0.58		
					2012/12/27	Sunny	1.7	0.5	3.8	0.0	Dark grayish yellow	None	74	21.5	3.1	2.3	-0.46	-0.58	-0.49		
					2013/02/18	Snow	-2.1	0.2	4.4	0.0	Light grayish yellow	None	60	20.3	3.4	2.4	-0.55	-0.61	-0.66		
	102	Before the confluence with Agagawa River	Aizuwakamatsushi City	Aizuwakamatsushi City	2012/05/24	Sunny	29.0	0.7	19.4	0.0	Yellowish white	Faint sewage	45	13.6	2.6	2.3	-0.44	-0.44	-0.52		
					2012/07/24	Sunny	25.0	0.3	22.2	0.0	Yellowish white	None	80	11.1	1.7	0.8	-0.48	-0.63	-0.57		
					2012/08/22	Sunny	29.5	0.3	24.8	0.0	Grayish yellow green	None	>100	11.2	<1	0.7	-0.50	-0.61	-0.49		
					2012/11/01	Cloudy	13.3	0.2	15.4	0.0	Greenish yellowish white	None	95	22.6	6.1	2.8	-0.44	-0.56	-0.63		
					2012/12/27	Sunny	-0.6	0.3	5.8	0.0	Dark grayish greenish yellow	None	65	23.7	2.9	3.2	-0.59	-0.56	-0.59		
					2013/02/22	Sunny	-2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
	103	Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/05/23	Sunny	23.2	0.2	17.8	0.0	Yellowish light gray	None	27	9.7	8.2	4.9	-0.56	-0.74	-0.55		
					2012/07/24	Cloudy	28.0	0.7	22.3	0.0	Yellow greenish white	None	92	11.6	2.8	1.0	-0.57	-0.56	-0.53		
					2012/08/22	Sunny	34.0	0.6	27.7	0.0	Light grayish yellow green	None	>100	12.7	1.3	0.7	-0.51	-0.69	-0.62		
					2012/11/01	Sunny	19.6	0.9	14.9	0.0	Grayish yellow green	None	>100	12.7	7.3	1.3	-0.69	-0.72	-0.66		
					2012/12/27	Snow	-1.1	0.3	3.9	0.0	Dark grayish greenish blue	None	>100	12.3	2.8	1.9	-0.59	-0.78	-0.71		
					2013/02/19	Cloudy	-1.8	0.6	5.1	0.0	Greenish yellowish white	None	>100	13.4	5.9	2.3	-0.51	-0.59	-0.55		
	104	Agagawa River	Miyakobashi Bridge	Aizubangemachi Town	2012/05/23	Sunny	23.2	0.5	16.0	0.0	Greenish white	None	>100	8.1	<1	0.7	-0.73	-0.80	-0.64		
					2012/07/24	Cloudy	28.0	1.5	23.4	0.0	Yellow greenish white	None	>100	11.9	<1	0.8	-0.59	-0.72	-0.66		
					2012/08/22	Sunny	32.0	0.8	27.2	0.0	Grayish yellow green	None	>100	14.7	<1	0.5	-0.59	-0.87	-0.75		
					2012/11/01	Sunny	14.3	0.8	16.0	0.0	Yellow greenish white	Faint pretense	>100	3.0	1.4	0.7	-0.48	-0.58	-0.63		
					2012/12/27	Cloudy	-0.5	0.3	4.8	0.0	Dark grayish yellow	None	>100	12.4	<1	1.0	-0.60	-0.72	-0.60		
					2013/02/19	Cloudy	-1.2	1.0	5.1	0.0	Light grayish yellow green	None	>100	15.3	2.1	1.0	-0.63	-0.80	-0.63		
	105	Nippashigawa River	Minamiohashi Bridge	Kitakatah City	2012/05/23	Sunny	26.2	0.8	20.2	0.0	Grayish reddish yellow	None	20	10.1	13	6.7	-0.47	-0.63	-0.62		
					2012/07/24	Cloudy	29.0	0.6	25.3	0.0	Greenish yellowish white	None	87	15.3	4.5	1.5	-0.41	-0.53	-0.62		
					2012/08/23	Sunny	35.0	0.3	30.4	0.0	Grayish greenish yellow	None	83	18.7	4.6	1.2	-0.53	-0.61	-0.53		
2012/10/05					Sunny	26.5	0.3	20.7	0.0	Greenish yellowish white	None	>100	18.5	1.7	1.3	-0.55	-0.78	-0.64			
2012/10/25					Cloudy	10.6	0.2	14.2	0.0	Light grayish yellow	Faint sewage	>100	20.0	1.7	1.6	-0.48	-0.44	-0.66			
2012/11/19					Sunny	10.3	0.2	12.0	0.0	Light grayish yellow green	None	62	17.5	6.8	5.5	-0.57	-0.72	-0.64			
2012/12/13					Sunny	3.5	0.2	8.7	0.0	Grayish greenish yellow	None	44	19.4	2.0	2.2	-0.60	-0.70	-0.72			
2013/01/09					Snow	0.1	0.6	3.4	0.0	Light grayish yellow green	None	>100	16.6	1.4	1.3	-0.57	-0.66	-0.60			
2013/01/30					Sunny	-0.5	0.7	4.2	0.0	Greenish yellowish white	None	>100	16.6	4.9	3.0	-0.61	-0.70	-0.62			
2013/02/21					Snow	-3.7	0.9	1.5	0.0	Grayish greenish yellow	None	70	22.1	3.0	2.7	-0.51	-0.50	-0.49			

Table 4.3.1.1(3) Fukushima Pref. (Aizu Area) River (Water Quality)

No.	Sampling point			Sampling date	Weather	Air temperature C	Full depth m	Water quality										Remarks	
	Point	Municipality	General items							Radioactive material concentrations (Bq/L)									
			Water temperature					Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity μS/cm	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
R i v e r s	106	Kiyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/05/29	Cloudy, then sunny	20.3	0.5	19.1	0.0	Very pale yellow	None	51	14.7	4.9	2.6	<0.59	<0.73	<0.73
					2012/07/24	Cloudy	28.0	0.5	25.2	0.0	Greenish yellowish white	None	89	17.5	3.9	1.2	<0.57	<0.59	<0.51
					2012/08/24	Sunny	33.0	0.3	29.1	0.0	Light grayish yellow green	None	91	18.6	6.6	1.7	<0.48	<0.63	<0.57
					2012/11/01	Sunny	11.4	0.3	13.2	0.0	Yellowish white	None	>100	18.6	3.8	1.7	<0.57	<0.64	<0.62
					2013/01/09	Snow	-1.0	0.4	4.4	0.0	Yellow greenish white	None	>100	20.5	<1	1.2	<0.55	<0.75	<0.62
					2013/01/30	Sunny	0.0	0.3	5.1	0.0	Greenish yellowish white	None	>100	22.3	4.3	2.2	<0.59	<0.90	<0.70
	107	Kiyumiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/05/31	Sunny	23.8	0.6	17.6	0.0	Yellowish pale gray	None	74	11.1	6.1	3	<0.51	<0.50	<0.53
					2012/07/27	Cloudy	27.0	0.5	26.1	0.0	Yellowish white	None	60	11.6	5.0	2.0	<0.60	<0.72	<0.68
					2012/08/22	Sunny	37.0	0.7	26.9	0.0	Grayish yellow	None	>100	13.6	3.3	1.0	<0.62	<0.73	<0.73
					2012/11/15	Rain	6.5	0.3	11.6	0.0	Grayish greenish yellow	None	73	15.6	8.2	4.7	<0.55	<0.64	<0.62
					2012/12/27	Sunny	-4.0	0.4	4.2	0.0	Dark grayish yellow	None	56	17.4	4.1	3.8	<0.42	<0.60	<0.56
					2013/02/19	Snow	-4.2	-	-	-	-	-	-	-	-	-	-	-	-
	108	Tatsugawa River	Ohashi Bridge	Kiatatashi City	2012/05/29	Cloudy	17.1	0.5	13.5	0.0	Greenish yellowish white	None	>100	7.4	<1	1.6	<0.48	<0.58	<0.57
					2012/07/24	Cloudy	23.2	0.6	19.6	0.0	Yellow greenish white	None	100	9.5	2.6	0.8	<0.55	<0.65	<0.50
					2012/08/23	Sunny	32.0	0.6	26.0	0.0	Grayish yellow green	None	>100	9.5	1.5	0.7	<0.51	<0.68	<0.57
					2012/10/31	Cloudy	13.6	0.4	12.5	0.0	Colorless transparent	None	>100	11.6	<1	0.7	<0.51	<0.64	<0.57
					2013/01/09	Cloudy	-0.3	0.8	3.7	0.0	Light grayish reddish yellow	None	94	12.4	<1	0.9	<0.42	<0.60	<0.68
					2013/01/31	Sunny	0.8	0.6	3.8	0.0	Greenish yellowish white	None	>100	11.7	2.2	1.0	<0.65	<0.80	<0.70
109	Tatsugawa River	Shimokawabashi Bridge	Kiatatashi City	2012/05/29	Sunny	22.0	0.3	19.4	0.0	Reddish yellowish pale gray	None	72	10.0	2.6	1.8	<0.55	<0.50	<0.57	
				2012/07/24	Cloudy	28.5	0.3	22.9	0.0	Yellow greenish white	None	100	15.2	1.3	1.0	<0.52	<0.53	<0.55	
				2012/08/22	Sunny	29.0	0.3	27.3	0.0	Yellow greenish white	None	>100	17.9	1.3	0.9	<0.51	<0.58	<0.57	
				2012/10/31	Cloudy	13.8	0.3	16.0	0.0	Colorless transparent	None	>100	20.4	1.1	0.8	<0.45	<0.58	<0.52	
				2013/01/09	Snow	-0.4	0.3	5.9	0.0	Light grayish yellow	None	>100	17.8	2.4	1.5	<0.50	<0.64	<0.59	
				2013/01/31	Sunny	0.7	0.2	7.8	0.0	Greenish yellowish white	None	>100	19.6	3.0	2.0	<0.48	<0.50	<0.52	
110	Nigorigawa River	Nigorigawabashi Bridge	Kiatatashi City	2012/05/29	Cloudy	18.2	0.2	13.9	0.0	Yellowish white	None	63	8.2	<1	1.3	<0.46	<0.58	<0.64	
				2012/07/24	Cloudy	25.0	0.6	21.0	0.0	Yellow greenish white	None	>100	12.1	1.1	0.9	<0.64	<0.75	<0.70	
				2012/08/23	Sunny	35.0	0.6	29.0	0.0	Light grayish greenish yellow	None	>100	17.6	2.5	1.3	<0.65	<0.63	<0.56	
				2012/11/19	Sunny	7.7	0.2	10.6	0.0	Greenish yellowish white	None	>100	16.7	1.3	1.6	<0.48	<0.56	<0.60	
				2013/01/09	Cloudy	0.4	0.2	4.1	0.0	Light grayish yellow green	None	>100	14.4	<1	0.8	<0.61	<0.80	<0.58	
				2013/01/31	Sunny	1.8	0.2	4.9	0.0	Greenish yellowish white	None	>100	14.3	1.7	1.0	<0.52	<0.61	<0.63	
111	Nigorigawa River	Yamazakibashi Bridge	Kiatatashi City	2012/05/29	Sunny	24.1	0.3	17.9	0.0	Yellowish pale gray	None	88	8.4	1.1	1.3	<0.59	<0.85	<0.62	
				2012/07/24	Cloudy	27.0	1.0	23.0	0.0	Yellowish white	None	>100	12.0	1.9	1.6	<0.42	<0.56	<0.60	
				2012/08/22	Sunny	32.0	0.3	27.7	0.0	Grayish yellow green	None	>100	18.0	1.4	0.9	<0.55	<0.61	<0.57	
				2012/10/31	Cloudy	11.6	0.5	15.3	0.0	Deep yellowish green	Faint fish and shellfish	>100	17.9	1.8	1.4	<0.67	<0.72	<0.60	
				2013/01/09	Cloudy	0.1	0.3	4.9	0.0	Light grayish yellow green	None	>100	15.4	1.0	1.0	<0.54	<0.53	<0.60	
				2013/01/31	Sunny	0.8	0.3	5.9	0.0	Yellowish white	None	>100	14.8	2.5	1.3	<0.58	<0.75	<0.58	
112	Inagawa River	Aoyagbashi Bridge	Minamiazumachi Town	2012/05/30	Sunny	17.6	0.8	11.8	0.0	Greenish yellowish white	None	>100	3.5	1.3	0.8	<0.49	<0.61	<0.52	
				2012/07/25	Cloudy	27.5	0.5	20.1	0.0	Yellow greenish white	None	100	5.9	<1	0.2	<0.64	<0.83	<0.73	
				2012/08/21	Sunny	32.0	0.4	27.0	0.0	Light grayish yellow green	None	>100	8.1	<1	0.4	<0.46	<0.61	<0.57	
				2012/11/12	Cloudy	12.6	0.4	10.5	0.0	Light grayish yellow green	None	>100	7.0	<1	0.8	<0.48	<0.72	<0.62	
				2012/12/26	Snow	-5.8	0.2	0.6	0.0	Yellowish white	None	>100	7.1	<1	0.7	<0.63	<0.56	<0.60	
				2013/02/20	Snow	-1.8	0.4	2.2	0.0	Light grayish yellow green	None	>100	8.0	<1	0.5	<0.60	<0.70	<0.60	
113	Inagawa River	Kurosawabashi Bridge	Tadaminachi Town	2012/05/30	Sunny	19.3	0.2	13.9	0.0	Yellowish pale gray	None	33	4.0	5.5	2.3	<0.60	<0.61	<0.60	
				2012/07/25	Cloudy	27.0	0.6	22.8	0.0	Greenish yellowish white	Faint seaweed	27	7.2	1.2	2.8	<0.52	<0.64	<0.65	
				2012/08/21	Sunny	32.1	0.3	29.0	0.0	Grayish yellow green	None	75	9.8	3.7	1.5	<0.59	<0.72	<0.62	
				2012/11/12	Light rain	12.8	0.4	10.8	0.0	Light grayish yellow green	None	46	7.0	7.0	7.7	<0.66	<0.75	<0.62	
				2013/01/10	Snow	-2.0	0.5	2.7	0.0	Grayish greenish yellow	None	>100	10.4	<1	0.9	<0.60	<0.85	<0.68	
				2013/02/20	Snow	-3.0	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
2013/03/06	Sunny	1.0	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				

Table 4.3.1.1(3) Fukushima Pref. (Aizu Area) River (Water Quality)

Sampling point			Sampling date	Weather	Air temperature C	Full depth m	Water quality							Radioactive material concentrations (Bq/L)			Remarks			
No	Point	Municipality					General items				Electrical conductivity			Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137					
			Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity μS/m	SS mg/L	Turbidity										
R i v e r s	114	Nishitambashi Bridge	Kanayamamachi Town	2012/05/30	Sunny	21.8	0.3	10.3	0.0	Ruddish yellowish pale gray	None	19	4.5	24	7.7	<0.63	<0.72	<0.56		
				2012/07/25	Cloudy	26.0	1.0	15.2	0.0	Yellow greenish white	None	92	5.6	<1	0.8	<0.63	<0.63	<0.64		
				2012/08/21	Sunny	29.0	0.2	17.2	0.0	Yellow greenish white	None	73	5.1	5.6	2.3	<0.58	<0.61	<0.63		
				2012/10/31	Cloudy	12.2	0.2	13.0	0.0	Light grayish bluish green	None	61	6.9	6.1	5.2	<0.56	<0.59	<0.53		
				2013/01/09	Snow	1.1	0.4	3.9	0.0	Grayish yellow green	None	50	7.5	4.4	2.4	<0.51	<0.61	<0.47		
	115	Tadamizawa River	Fujibashi Bridge	Aizubangemachi Town	2013/01/31	Sunny	-2.9	0.3	2.9	0.0	Greenish yellowish white	None	61	6.9	5.9	4.6	<0.44	<0.60	<0.47	
					2012/05/30	Sunny	18.8	0.4	10.7	0.0	Ruddish yellowish pale gray	None	19	5.8	11	6.7	<0.61	<0.63	<0.71	
					2012/07/27	Cloudy	27.0	1.0	19.9	0.0	Yellow greenish white	None	70	7.0	18	2.4	<0.46	<0.53	<0.59	
					2012/08/22	Sunny	33.0	0.2	27.0	0.0	Grayish greenish yellow	None	9	7.5	22	4.2	<0.49	<0.51	<0.57	
					2012/10/05	Sunny, then rain	19.5	0.7	19.2	0.0	Light grayish yellow	None	10	6.5	14	39	<0.51	<0.70	<0.62	
					2012/11/15	Rain	5.9	0.4	10.0	0.0	Grayish greenish yellow	None	34	8.8	43	20	<0.51	<0.54	<0.54	
					2012/12/25	Snow	1.2	0.2	4.2	0.0	Grayish greenish yellow	None	62	8.9	2.8	2.4	<0.46	<0.56	<0.59	
					2013/02/19	Snow	-0.6	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					116	Agagawa River	Shingo Dam	Kitakata City	2012/05/31	Sunny	20.7	1.0	12.2	0.0	Yellowish pale gray	None	24	6.3	9.2	6.9
	2012/07/26	Sunny	33.0	2.0					22.6	0.0	Greenish yellowish white	None	75	11.0	<1	0.8	<0.42	<0.70	<0.63	
	2012/08/22	Sunny	34.0	1.0					27.2	0.0	Dark grayish yellow green	None	68	12.8	4.1	1.9	<0.54	<0.64	<0.57	
	2012/10/31	Cloudy	15.5	2.6					13.8	0.0	Grayish yellow green	None	44	10.3	6.7	9.6	<0.44	<0.76	<0.62	
	2013/01/10	Snow	-0.3	-					-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
	2013/01/31	Sunny	-1.3	-					-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
	2012/05/31	Sunny	20.5	0.3					17.9	0.0	Greenish yellowish white	None	>100	73.9	1.1	1.8	<0.57	<0.53	<0.53	
	2012/07/27	Sunny	29.0	0.6					21.7	0.0	Colorless transparent	None	>100	85.6	9.4	11	<0.73	<0.67	<0.48	
	117	Sakawa River	Sukawano	Inawashiro City	2012/08/23	Sunny	29.0	0.5	21.0	0.0	Grayish yellow	None	>100	84.5	1.2	0.6	<0.45	<0.63	<0.50	
					2012/10/05	Cloudy	27.0	1.0	16.1	0.0	Greenish yellowish white	None	>100	71.0	4.4	0.9	<0.44	<0.61	<0.59	
					2012/10/24	Cloudy	7.0	0.5	10.8	0.0	Colorless transparent	None	>100	95.9	<1	0.4	<0.51	<0.66	<0.53	
					2012/11/21	Sunny	0.3	0.3	6.5	0.0	Greenish yellowish white	None	>100	68.7	2.3	0.6	<0.47	<0.58	<0.61	
					2012/12/13	Snow	-1.0	0.5	4.8	0.0	Colorless transparent	None	>100	104.9	<1	0.4	<0.52	<0.65	<0.59	
					2013/01/07	Sunny	-0.5	0.5	3.3	0.0	Colorless transparent	None	>100	99.1	<1	0.2	<0.49	<0.66	<0.53	
					2013/01/29	Sunny	-2.5	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2013/02/21	Cloudy	-5.7	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2012/05/31	Sunny	22.5	0.3	16.0	0.0	Greenish yellowish white	None	52	10.1	2.8	1.6	<0.61	<0.83	<0.70	
					118	Nagasegawa River	Koganebashi Bridge	Inawashiro City	2012/07/27	Sunny	31.3	0.5	22.5	0.0	Greenish yellowish white	None	91	30.4	1.8	0.9
	2012/08/23	Sunny	32.0	0.3					26.1	0.0	Deep yellow red	None	>100	26.7	<1	0.3	<0.63	<0.73	<0.66	
	2012/09/26	Sunny	25.4	0.2					17.6	0.0	Soft yellow red	None	>100	35.5	2.5	1.6	<0.43	<0.60	<0.54	
	2012/10/25	Sunny	16.0	0.4					11.5	0.0	Grayish yellow red	None	71	44.6	6.7	5.6	<0.51	<0.65	<0.42	
	2012/11/20	Rain	4.9	0.3					8.0	0.0	Greenish yellowish white	None	54	30.5	9.3	5.5	<0.62	<0.87	<0.64	
	2012/12/13	Sunny	-2.5	0.4					3.9	0.0	Grayish greenish yellow	None	38	39.8	39	10	<0.54	<0.74	<0.59	
	2013/01/09	Snow	0.3	0.6					2.2	0.0	Dark grayish reddish yellow	None	>100	37.5	4.3	3.8	<0.45	<0.65	<0.63	
	2013/01/29	Sunny	-1.8	0.5					2.2	0.0	Greenish yellowish white	None	95	11.6	5.0	2.0	<0.58	<0.61	<0.51	
	2013/02/21	Cloudy	-4.8	0.2					0.8	0.0	Greenish yellowish white	None	78	16.0	6.5	1.9	<0.58	<0.61	<0.62	
	119	Takahashigawa River	Shinbashi Bridge	Inawashiro City					2012/06/21	Cloudy	19.0	0.4	15.5	0.0	Light grayish yellow	None	>100	22.1	6.1	2.2
2012/07/26					Sunny	27.0	0.1	24.3	0.0	Grayish greenish yellow	None	65	21.3	4.8	1.6	<0.51	<0.64	<0.55		
2012/09/26					Sunny	25.6	0.2	18.1	0.0	Yellow greenish white	None	>100	28.1	1.5	0.9	<0.51	<0.66	<0.57		
2012/11/05					Sunny	14.6	0.4	11.7	0.0	Greenish yellowish white	None	>100	26.7	1.7	1.0	<0.40	<0.65	<0.56		
2013/01/09					-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
2013/01/30					-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
2013/03/07					Sunny	7.1	0.8	6.2	0.0	Light grayish reddish yellow	None	>100	26.5	2.0	2.2	<0.50	<0.56	<0.59		
120	Ogawagawa River	Umenohashi Bridge	Inawashiro City	2012/06/21	Cloudy	22.0	0.8	17.3	0.0	Light grayish yellow green	None	81	16.9	6.5	2.9	<0.47	<0.56	<0.52		
				2012/07/26	Sunny	28.1	0.6	24.7	0.0	Dark grayish yellow	None	60	16.7	9.1	2.1	<0.50	<0.63	<0.52		
				2012/09/26	Sunny	23.0	0.5	20.7	0.0	Yellowish white	None	>100	24.7	3.1	1.4	<0.62	<0.89	<0.60		
				2012/11/05	Sunny	13.2	0.2	12.0	0.0	Light grayish greenish yellow	None	68	30.5	12	7.3	<0.71	<0.83	<0.66		
				2013/01/09	Snow	1.5	0.8	5.2	0.0	Dark grayish greenish yellow	None	93	33.6	1.3	1.5	<0.65	<0.80	<0.60		
				2013/02/21	Cloudy	-5.1	0.8	1.3	0.0	Light grayish yellow	None	31	41.0	11	7.9	<0.68	<0.83	<0.60		

Table 4.3.1.1 (3) Fukushima Pref. (Aizu Area) River (Water Quality)

	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
	No.	Point	Municipality					General items						Radioactive material concentrations (Bq/L)						
								Water temperature	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	121	Hishinamagawa River	Sekido District	Inawashiro-machi Town	2012/06/21	Cloudy	20.0	0.8	16.7	0.0	Light grayish yellow green	None	75	12.7	4.4	2.6	<0.48	<0.76	<0.55	
					2012/07/26	Sunny	27.0	0.3	22.0	0.0	Dark grayish yellow green	None	93	13.8	5.1	2.6	<0.52	<0.50	<0.62	
					2012/09/26	Sunny	21.4	0.2	21.3	0.0	Light grayish yellow	None	56	15.3	15	3.8	<0.41	<0.53	<0.49	
					2012/10/30	Cloudy	13.0	0.6	13.2	0.0	Yellow greenish white	None	>100	16.6	1.6	1.7	<0.67	<0.63	<0.78	
					2013/01/09	Snow	-0.2	0.6	3.2	0.0	Dark grayish greenish yellow	None	45	21.4	4.0	4.2	<0.45	<0.63	<0.50	
					2013/01/30	Cloudy	-0.5	0.6	1.2	0.0	Grayish yellow	None	20	21.6	16	10	<0.44	<0.67	<0.62	
	122	Furatsugawa River	Furatsubashi Bridge	Koriyamashi City	2012/06/21	Cloudy	20.0	0.8	14.0	0.0	Light grayish yellow	None	13	6.4	34	9.7	<0.60	<0.80	<0.58	
					2012/07/26	Cloudy	24.9	0.2	19.7	0.0	Colorless transparent	None	>100	8.6	<1	0.3	<0.60	<0.70	<0.48	
					2012/09/26	Sunny	18.9	0.2	20.4	0.0	Light grayish yellow	None	>100	9.5	<1	0.9	<0.56	<0.63	<0.62	
					2012/11/20	Rain	5.1	0.4	9.0	0.0	Yellow greenish white	None	>100	9.6	<1	0.5	<0.48	<0.58	<0.64	
					2013/01/09	Snow	-0.5	0.4	5.1	0.0	Greenish yellowish white	None	>100	9.0	<1	0.4	<0.50	<0.66	<0.57	
					2013/01/30	Sunny	-1.4	0.3	2.5	0.0	Dark grayish yellow red	None	>100	15.6	1.3	1.1	<0.49	<0.61	<0.60	
	123	Haragawa River	Estuary, front	Aizuwakamatsushi City	2012/06/20	Light rain	19.0	0.9	14.6	0.0	Light grayish yellow green	None	22	4.1	16	4.3	<0.47	<0.77	<0.56	
					2012/07/26	Sunny	26.2	0.5	18.6	0.0	Dark grayish yellow green	None	>100	6.4	1.6	1.2	<0.48	<0.63	<0.56	
					2012/09/26	Sunny	21.0	0.2	17.3	0.0	Dull yellow red	None	>100	5.9	1.2	0.9	<0.64	<0.90	<0.73	
					2012/10/30	Cloudy	13.3	0.2	13.1	0.0	Colorless transparent	None	>100	6.5	1.0	1.1	<0.48	<0.60	<0.59	
					2013/01/09	Cloudy	0.5	0.5	3.7	0.0	Grayish reddish yellow	None	>100	7.2	<1	0.5	<0.64	<0.78	<0.62	
					2013/01/30	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2013/03/07					Sunny	3.8	0.2	5.4	0.0	Colorless transparent	None	>100	7.2	<1	1.2	<0.48	<0.61	<0.49		

Table 4.3.1.2(1) Fukushima Pref. (Hamadori Area) River (Sediment)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment											Radioactive material concentrations (Bq/kg dried mud)			Remarks						
No.	Point	Municipality	General items						Mechanical composition %					Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium										
			Mud temperature °C					Mud sampling depth cm	Color	Odor	Medium gravel	Fine gravel	Coarse sand					Medium sand	Fine sand	Silt	Clay		Cs-134	Cs-137				
22	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichishitaira)	Tamura-shi City	2012/06/14	Sunny	19.5	0.4	16.2	3	Dark reddish yellow	None	0.0	0.0	0.4	47.3	47.1	5.2	0.0	81.4	2.693	Sand	<9.3	380	570				
				2012/07/03	Sunny	28.0	0.3	16.6	2	Dark grayish yellow	None	3.9	42.7	27.7	13.3	7.8	4.7	0.0	89.5	2.667	Sand	<4.5	64	98				
				2012/07/26	Sunny	31.0	0.4	22.6	3	Dark grayish reddish yellow	None	0.0	0.0	0.0	30.8	46.8	22.4	0.0	73.4	2.608	Sand	<13	570	840				
				2012/09/20	Sunny	25.0	0.7	18.3	3	Grayish reddish yellow	None	7.8	62.9	14.9	11.1	2.0	1.2	0.0	94.8	2.669	Sand	<3.9	29	51				
				2012/11/09	Sunny	11.0	0.3	8.6	5	Light grayish reddish yellow	None	8.4	33.8	15.9	31.2	6.2	4.5	0.0	94.6	2.653	Sand	<4.9	65	100				
				2012/12/26	Sunny	0.1	0.5	2.9	5	Dark grayish reddish yellow	None	1.3	10.2	29.3	30.4	5.7	3.1	0.0	93.3	2.634	Sand	<6.3	66	110				
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2013/01/22	Cloudy	4.1	0.5	3.3	5	Dark grayish greenish yellow	None	0.0	0.0	0.4	65.0	27.2	7.3	0.0	84.4	2.68	Sand	<8.1	240	400				
				2012/06/13	Cloudy	18.2	0.4	15.7	2	Reddish yellowish gray	None	8.3	40.4	1.5	24.4	19.8	5.7	0.0	90.3	2.652	Sand	<17	2,000	3,000				
				2012/07/03	Cloudy	21.0	0.2	17.0	2	Very dark reddish yellow	None	0.0	0.0	0.0	11.2	45.6	43.2	0.0	59.9	2.575	Mud/sand	<41	6,200	9,600				
				2012/07/26	Cloudy	30.2	0.3	22.5	2	Dark grayish yellow	None	0.0	0.0	2.9	22.6	51.9	22.6	0.0	67.6	2.586	Sand	<33	5,900	9,500				
				2012/10/18	Cloudy	18.6	0.3	15.2	5	Reddish yellowish black	Mud	0.0	0.1	0.0	15.0	50.8	33.1	1.0	64.6	2.608	Silt	<36	6,400	11,000				
				2012/11/15	Cloudy	12.9	1.0	11.8	5	Dark grayish reddish yellow	Faint seaweed	10.0	23.3	18.9	43.4	3.1	1.2	0.0	94.6	2.618	Sand	<9.3	510	860				
				2012/12/26	Sunny	0.3	0.4	2.1	5	Grayish reddish yellow	None	28.4	9.2	14.4	44.6	1.8	1.5	0.0	93.2	2.665	Sand	<9.8	630	1,200				
				2013/02/05	Sunny	5.3	0.5	5.9	5	Dark grayish reddish yellow	None	0.0	0.0	4.2	64.3	23.1	8.4	0.0	79.8	2.629	Sand	<21	2,800	5,300				
				2012/06/14	Cloudy	19.5	0.4	15.9	3	Dark yellow red	None	12.9	52.7	30.1	3.9	0.4	0.0	0.0	94.8	2.678	Sand/gravel	<18	2,100	3,200				
24	National Route 6, west	Futabamachi Town	Futabamachi Town	2012/07/04	Sunny	25.0	0.2	18.6	3	Dark reddish yellow	None	4.2	42.3	22.8	22.5	4.8	3.4	0.0	94.4	2.669	Sand/gravel	<19	2,300	3,500				
				2012/10/23	Rain	16.0	0.5	16.8	5	Grayish reddish yellow	Seaweed	11.6	33.6	18.9	23.1	7.5	5.2	0.0	94.0	2.658	Sand	<16	1,800	3,000				
				2012/11/20	Sunny	14.4	1.1	9.2	3	Dark grayish yellow red	None	6.9	64.3	18.4	6.0	2.6	1.8	0.0	93.3	2.662	Sand	<16	1,400	2,300				
				2012/12/18	Cloudy	6.1	0.6	8.9	3	Grayish reddish yellow	None	17.3	48.4	25.0	6.2	1.8	1.3	0.0	94.4	2.643	Sand	<15	1,300	2,300				
				2013/01/15	Sunny	2.3	0.8	4.9	3	Grayish reddish yellow	None	14.0	54.2	22.1	6.6	1.9	1.3	0.0	92.4	2.646	Sand	<15	1,500	2,700				
				2012/06/14	Cloudy	18.4	0.2	16.8	3	Dull reddish yellow	None	0.0	1.0	0.4	33.7	51.8	12.2	0.0	87.5	2.689	Sand	<22	2,600	4,100				
25	Machigawa River	Nakahamahashi Bridge	Namiemachi Town	2012/07/03	Cloudy	20.0	1.6	18.1	3	Dark grayish reddish yellow	Faint seaweed	12.3	61.1	8.9	9.4	6.1	2.1	0.0	94.3	2.655	Sand/gravel	<13	1,100	1,800				
				2012/07/26	Sunny	31.8	0.3	23.1	3	Soft yellow red	Seaweed	10.1	58.4	24.7	4.1	1.9	0.8	0.0	95.0	2.661	Gravel	<9.4	510	800				
				2012/08/28	Sunny	31.0	1.6	27.1	3	Greenish yellowish black	Faint seaweed	0.0	0.5	0.0	24.8	56.3	18.4	0.0	74.1	2.637	Mud	<41	8,900	15,000				
				2012/09/19	Rain	25.0	2.0	25.6	2	Greenish yellowish black	Faint seaweed	0.0	1.9	0.0	41.2	51.0	5.9	0.0	86.5	2.617	Sand	<27	4,800	8,300				
				2012/11/15	Sunny	14.2	1.6	15.5	3	Dark grayish reddish yellow	None	0.0	0.6	1.3	56.6	36.3	5.1	0.0	84.1	2.705	Sand	<20	2,500	4,300				
				2012/12/26	Sunny	0.6	1.2	6.1	3	Dark grayish reddish yellow	None	10.5	34.1	31.8	16.3	4.6	2.6	0.0	91.9	2.67	Silt	<11	760	1,500				
				2013/01/15	Sunny	2.3	1.5	5.3	3	Dark grayish yellow red	None	8.1	26.8	31.6	21.2	8.1	4.2	0.0	87.2	2.67	Sand	<13	810	1,500				
				26	National Route 6, west	Okumamachi Town	Okumamachi Town	2012/06/14	Cloudy	19.0	0.6	14.4	5	Dark grayish reddish yellow	None	2.1	28.7	15.5	38.8	13.3	1.6	0.0	93.7	2.645	Gravel/sand	<14	1,300	1,900
								2012/07/05	Sunny	30.0	0.5	25.2	3	Dark reddish yellow	None	0.6	4.8	8.7	65.1	15.8	4.9	0.0	90.1	2.62	Sand	<16	1,500	2,300
2012/10/17	Sunny	21.3	0.5					16.1	2	Dull yellow red	None	18.6	14.0	26.8	35.0	3.7	1.9	0.0	94.8	2.658	Sand	<12	610	1,000				
2012/11/21	Sunny	10.9	0.3					10.1	3	Dark grayish yellow	None	18.1	45.9	11.2	22.6	1.4	0.8	0.0	95.0	2.656	Sand	<8.1	390	680				
2012/12/18	Cloudy	9.7	0.3					8.6	3	Grayish reddish yellow	None	14.4	48.2	0.5	27.2	7.5	2.3	0.0	94.8	2.635	Sand/gravel	<8.7	420	780				
2013/01/17	Sunny	4.6	0.3					2.3	3	Dark grayish reddish yellow	None	10.4	34.4	44.9	10.1	0.2	0.0	0.0	92.6	2.674	Sand	<8.4	510	870				
27	Kumagawa River	Mikamahashi Bridge	Okumamachi Town	2012/06/14	Cloudy	18.0	0.8	15.5	5	Dark grayish reddish yellow	None	0.0	3.6	0.0	20.4	46.8	29.3	0.0	73.0	2.606	Silt	<47	16,000	25,000				
				2012/07/05	Cloudy	26.0	0.2	17.7	3	Very dark reddish yellow	None	1.0	3.1	2.1	26.5	39.0	28.1	0.0	76.3	2.614	Sand	<45	10,000	16,000				
				2012/10/17	Cloudy	20.7	0.3	17.2	2	Dark yellow red	Faint seaweed	8.4	34.0	47.1	8.8	1.0	0.7	0.0	94.0	2.666	Sand	<13	1,100	1,800				
				2012/11/20	Cloudy	13.0	0.9	9.5	3	Dark grayish reddish yellow	Faint seaweed	14.2	39.0	23.7	14.0	5.4	3.7	0.0	91.4	2.626	Sand	<14	1,300	2,200				
				2012/12/18	Sunny	10.2	0.2	8.9	2	Grayish reddish yellow	Faint seaweed	4.5	38.4	33.1	18.1	3.7	2.1	0.0	95.3	2.635	Sand/gravel	<13	860	1,600				
				2013/01/15	Snow	0.0	0.6	3.9	3	Dark grayish yellow red	None	0.0	16.5	70.3	11.8	1.4	0.0	0.0	90.4	2.661	Sand	<14	1,300	2,400				
28	Tomiokagawa River	Nabekurabashi Bridge	Kawauchimura Village	2012/08/30	Sunny	36.0	0.2	17.9	3	Grayish reddish yellow	None	1.9	40.2	24.7	18.6	8.8	5.7	0.1	92.0	2.674	Sand	<5.6	120	210				
				2012/10/16	Sunny	12.2	0.2	11.8	5	Dark reddish yellow	None	5.7	37.7	16.2	26.0	6.0	8.3	0.1	91.7	2.659	Sand	<6.1	120	190				
				2012/11/20	Cloudy	8.3	0.2	8.3	3	Dark grayish reddish yellow	None	5.9	48.4	27.9	12.5	3.6	1.8	0.0	89.5	2.674	Sand	<5.6	100	170				
				2012/12/27	Cloudy	-2.3	0.4	2.5	5	Dark grayish reddish yellow	None	3.2	21.4	30.9	33.1	6.9	4.6	0.0	90.0	2.693	Sand	<6.6	170	300				
				2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground		
				2013/02/06	Snow	-0.5	0.20	1.5	5	Dark grayish yellow red	None	0.0	17.9	55.5	18.3	3.3	5.0	0.0	87.2	2.7	Sand	<6.9	200	370				
				2013/03/07	Sunny	11.6	0.40	6.5	4	Grayish reddish yellow	Faint seaweed	1.2	31.2	52.8	10.5	2.3	2.1	0.0	92.8	2.682	Sand	<5.2	82	160				

Table 4.3.1.2(1) Fukushima Pref. (Hamadori Area) River (Sediment)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Sediment												Radioactive material concentrations (Bq/kg dried soil)			Remarks				
No.	Point	Municipality					Mud temperature °C	Mud sampling depth cm	Color	Odor	Mechanical composition %						Mud content %	Density (g/cm ³)	Property	Radioactive iodine I-131	Radioactive cesium Cs-134		Cs-137			
											Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt								Clay		
29	Sakagawabashi Bridge	Kawauchimura Village	2012/08/29	Sunny	31.0	0.30	171	3	Grayish reddish yellow	None	2.0	33.5	36.2	20.4	5.6	2.2	0.0	92.2	2.681	Sand	<6.5	180	310			
			2012/11/14	Sunny	8.6	0.25	9.7	3	Dark grayish reddish yellow	None	3.5	34.4	35.1	21.6	2.6	2.9	0.0	92.7	2.641	Sand	<6.8	170	270			
			2012/12/05	Sunny	6.4	0.20	8.0	10	Grayish reddish yellow	None	0.7	23.8	43.5	26.4	3.5	2.1	0.0	91.2	2.678	Sand	<8.3	250	460			
			2012/12/26	Sunny	-1.0	0.20	5.0	2	Grayish reddish yellow	None	5.2	42.6	26.5	19.9	3.2	2.7	0.0	91.4	2.686	Sand	<6.7	200	360			
			2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
			2013/02/06	Snow	-0.4	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Femikogawa River	National Route 6, west	2013/02/27	Cloudy	3.6	0.20	5.3	5	Grayish reddish yellow	None	15.0	26.9	48.8	6.5	1.3	1.4	0.0	92.8	2.682	Sand	<5.9	140	260			
			2012/06/13	Cloudy	20.0	0.80	14.4	5	Dark grayish yellow red	None	0.7	6.3	68.9	21.5	2.0	0.6	0.0	92.3	2.658	Gravel/sand	<15	1,400	2,200			
			2012/07/03	Cloudy	22.0	0.40	16.5	2	Dark reddish yellow	None	2.0	31.7	56.5	7.4	1.3	1.3	0.0	94.0	2.679	Gravel/sand	<11	850	1,300			
			2012/09/19	Cloudy	26.6	0.30	22.5	3	Dark yellow red	None	0.0	7.5	80.1	8.5	1.2	2.6	0.0	93.7	2.67	Sand	<12	900	1,600			
			2012/11/14	Sunny	13.2	0.30	13.7	3	Dark grayish reddish yellow	None	12.3	46.5	35.9	3.1	0.6	1.6	0.0	93.8	2.69	Gravel	<8.4	480	820			
			2012/12/26	Sunny	3.6	0.25	6.7	2	Dark grayish yellow red	None	13.0	21.6	6.7	49.9	4.3	4.6	0.0	90.9	2.641	Sand	<12	830	1,500			
			2013/02/07	Sunny	9.7	0.45	10.6	5	Dark grayish reddish yellow	None	1.9	19.0	70.5	7.8	0.8	0.0	0.0	94.0	2.691	Sand	<9.2	550	900			
31	Kobamahashi Bridge	Femikamachi Town	2012/06/13	Cloudy	19.0	0.70	16.8	5	Dark grayish yellow red	Faint hydrogen sulfide	16.1	31.7	23.0	25.2	3.4	0.5	0.0	94.2	2.741	Gravel/sand	<11	740	1,200			
			2012/07/03	Cloudy	22.0	0.40	17.0	2	Dull yellow	None	2.1	11.2	73.7	11.2	1.1	0.6	0.0	93.1	2.704	Sand	<13	970	1,500			
			2012/09/19	Cloudy	24.5	0.30	23.9	1	Dark yellow red	Putrescence	2.1	23.9	55.5	12.4	4.3	2.0	0.0	93.8	2.715	Sand	<12	900	1,600			
			2012/11/14	Sunny	18.5	0.65	14.0	3	Dark grayish reddish yellow	None	2.9	27.3	20.6	31.6	11.9	5.7	0.0	92.1	2.682	Sand	<15	1,300	2,300			
			2012/12/26	Sunny	3.7	0.60	7.3	3	Dark grayish yellow red	Mud	0.0	1.6	2.4	32.6	42.4	21.0	0.0	74.0	2.616	Sand/silt	<27	3,800	6,900			
			2013/02/07	Sunny	7.6	0.20	8.1	5	Dark grayish reddish yellow	None	3.3	13.8	33.7	20.6	18.0	10.6	0.0	89.5	2.676	Sand	<16	1,500	2,800			
32	Idogawa River	Motogamahashi Bridge	2012/06/12	Cloudy	16.0	0.50	16.3	5	Dark grayish reddish yellow	None	3.2	3.5	30.9	47.8	11.1	3.5	0.0	90.3	2.694	Sand	<8.4	310	470			
			2012/07/03	Cloudy	21.0	0.20	17.2	2	Dark reddish yellow	None	4.0	25.0	39.8	22.3	4.1	4.0	0.0	92.7	2.686	Sand	<5.8	130	190			
			2012/08/23	Sunny	34.0	0.50	26.9	3	Dark grayish reddish yellow	None	4.4	31.2	5.5	41.0	11.2	6.8	0.0	90.8	2.696	Sand	<6.2	170	290			
			2012/11/19	Cloudy	8.6	0.20	10.3	1	Dark yellow	None	8.0	29.8	35.5	23.1	1.9	1.7	0.0	93.8	2.684	Gravel/sand	<6.0	110	200			
			2012/12/18	Cloudy	7.7	0.20	8.7	2	Grayish reddish yellow	Faint seaweed	8.6	52.5	35.9	0.5	0.8	1.7	0.0	93.0	2.684	Sand	<5.9	120	220			
			2013/02/07	Sunny	6.7	0.25	6.3	5	Dark grayish yellow red	None	14.8	56.7	28.2	0.2	0.0	0.0	0.0	91.3	2.709	Sand	<6.1	140	270			
33	Kawauchigawa River	Before the confluence with Kidogawa River (Funamahashi Bridge)	2012/08/30	Sunny	36.0	0.15	22.0	5	Dark grayish yellow red	None	2.4	67.9	14.7	9.9	3.8	1.2	0.0	93.9	2.627	Sand	<4.9	71	110			
			2012/09/20	Rain	24.0	0.25	19.3	5	Grayish reddish yellow	Faint seaweed	19.9	54.4	1.0	14.4	6.9	3.3	0.0	93.7	2.621	Sand	<5.4	110	180			
			2012/10/16	Sunny	17.9	0.15	13.5	4	Soft reddish yellow	None	2.6	54.2	34.9	7.2	0.9	0.3	0.0	94.1	2.629	Sand	<5.1	29	54			
			2012/11/19	Rain	5.5	0.40	7.7	3	Grayish reddish yellow	None	8.6	49.5	10.4	20.5	8.3	2.8	0.0	92.4	2.633	Sand	<5.3	74	120			
			2012/12/26	Sunny	-5.2	0.20	4.1	3	Dark grayish reddish yellow	None	6.7	63.1	18.8	7.5	2.0	1.9	0.0	91.8	2.613	Sand	<4.9	86	86			
			2013/02/06	Snow	-0.5	0.10	3.0	3	Dark grayish yellow red	None	6.8	54.5	34.2	2.9	0.7	0.8	0.0	91.8	2.64	Gravel/sand	<5.1	50	99			
34	Nishiyamahashi Bridge	Kawauchimura Village	2012/06/12	Cloudy	14.5	1.00	13.1	5	Dark grayish reddish yellow	None	0.5	4.8	13.7	68.8	9.4	2.7	0.0	90.2	2.666	Sand	<5.5	78	120			
			2012/07/03	Cloudy	22.0	0.80	16.3	3	Dull reddish yellow	None	0.0	10.3	38.0	40.8	6.5	4.3	0.0	91.6	2.654	Sand	<3.8	32	49			
			2012/09/20	Rain	22.0	0.50	20.1	3	Grayish reddish yellow	None	0.8	3.8	27.5	45.4	14.1	8.6	0.0	93.0	2.652	Sand	<4.2	31	55			
			2012/11/19	Cloudy	6.5	1.05	5.8	5	Grayish reddish yellow	None	0.0	3.2	12.5	61.8	16.8	5.6	0.0	91.4	2.642	Sand	<4.8	55	82			
			2012/12/26	Sunny	-2.9	0.60	2.1	5	Dark grayish reddish yellow	None	0.0	13.5	0.0	0.0	1.7	84.5	0.4	91.9	2.637	Sand	<5.0	47	83			
			2013/02/07	Sunny	5.6	0.60	7.0	7	Dark grayish reddish yellow	None	0.0	0.1	48.4	40.8	6.8	3.9	0.0	87.5	2.658	Sand	<5.5	91	180			
			2012/06/13	Cloudy	18.5	0.30	14.7	5	Dark grayish reddish yellow	None	3.5	28.9	5.0	42.4	18.2	2.1	0.0	93.4	2.647	Gravel/sand	<5.8	120	200			
35	Kidogawa River	Nagatorobashi Bridge	2012/07/03	Cloudy	20.0	0.25	16.4	2	Dull reddish yellow	None	0.4	17.7	65.2	13.2	1.9	1.7	0.0	94.6	2.641	Sand	<4.3	52	69			
			2012/08/23	Sunny	29.0	0.40	24.5	3	Dark grayish yellow red	Faint putrescence	0.0	19.8	60.7	16.7	1.7	1.1	0.0	95.1	2.637	Sand	<4.8	68	110			
			2012/11/19	Cloudy	9.1	0.30	8.3	5	Dull yellow	None	7.2	4.7	43.9	41.5	2.0	0.7	0.0	93.0	2.638	Sand	<5.8	86	150			
			2012/12/19	Sunny	3.3	0.30	9.4	5	Light grayish yellow	None	0.0	0.2	40.9	50.6	4.5	3.8	0.0	89.7	2.62	Sand	<6.0	100	180			
			2013/02/07	Cloudy	2.7	0.30	2.7	5	Dark grayish yellow red	None	0.0	6.5	77.6	14.3	1.4	0.3	0.0	93.4	2.651	Sand	<5.3	77	140			
			2012/06/12	Cloudy	16.0	0.20	15.3	5	Dark grayish reddish yellow	None	0.0	0.0	1.5	69.8	24.7	4.1	0.0	83.4	2.658	Sand	<9.6	410	650			
36	Kidokawabashi Bridge	Nararhamachi Town	2012/07/03	Cloudy	17.9	0.20	17.0	2	Dull reddish yellow	None	0.0	0.0	2.9	60.7	27.0	9.9	0.0	86.1	2.629	Sand	<8.8	320	460			
			2012/08/23	Sunny	31.0	0.25	26.5	3	Dark grayish yellow green	None	0.0	0.0	1.1	54.9	25.8	18.2	0.0	73.8	2.653	Sand	<9.8	480	790			
			2012/11/19	Cloudy	8.6	0.60	8.5	5	Dark reddish yellow	None	2.1	13.9	28.2	49.0	5.1	1.7	0.0	92.9	2.661	Sand	<5.1	120	200			
			2012/12/19	Sunny	3.6	0.30	5.5	2	Grayish reddish yellow	None	10.5	37.3	32.8	17.4	1.4	0.6	0.0	94.3	2.633	Sand	<4.9	54	100			
			2013/02/07	Sunny	4.2	0.20	3.1	7	Dark grayish reddish yellow	None	17.7	35.1	41.1	5.7	0.1	0.3	0.0	95.0	2.654	Sand	<4.7	72	120			

Table 4.3.1.2(1) Fukushima Pref. (Hamadori Area) River (Sediment)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment																Remarks
No.	Point	Municipality	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 material concentrations (Bq/kg dried mud)				
											Medium grave	Fine grave	Coarse sand	Medium sand	Fine sand	Silt				Clay	I-131	Cs-134	Cs-137	
37	Asanigawa River	Bodabashi Bridge	Hironomachi Town	2012/05/24	Sunny	24.7	0.20	18.5	5	Dark grayish reddish yellow	None	2.4	12.8	64.3	16.8	2.1	1.5	0.0	93.1	2.657	Sand	<6.9	190	260
				2012/07/10	Sunny	26.0	0.45	17.4	3	Dull reddish yellow	None	0.0	0.0	16.1	70.1	8.3	5.5	0.0	93.0	2.653	Sand/gravel	<5.6	100	140
				2012/08/23	Sunny	35.0	0.20	27.3	3	Dark grayish reddish yellow	None	2.1	1.5	12.1	72.3	8.7	3.3	0.0	91.7	2.658	Sand	<5.2	90	140
				2012/11/11	Rain	12.1	0.25	12.0	5	Grayish reddish yellow	Faint seaweed	0.0	12.0	60.4	21.3	2.9	3.4	0.0	91.4	2.654	Sand	<4.7	55	98
				2012/12/27	Sunny	4.7	0.20	2.5	3	Dark grayish reddish yellow	None	0.0	3.7	32.5	50.9	5.6	7.2	0.0	90.0	2.636	Sand	<5.3	70	130
				2013/02/11	Sunny	2.0	0.20	3.8	5	Dark grayish reddish yellow	None	0.0	7.4	30.8	34.4	15.7	11.8	0.0	90.7	2.647	Sand	<5.1	63	120
				2012/05/24	Sunny	23.8	0.35	19.5	5	Dark grayish reddish yellow	None	10.6	42.3	7.0	19.8	13.3	7.1	0.0	91.3	2.641	Sand	<9.9	670	950
38	Ohisagawa River	Kagesobashi Bridge	Iwaki City	2012/07/10	Cloudy	28.0	0.60	19.3	3	Grayish reddish yellow	None	19.8	45.8	26.9	4.8	1.5	1.2	0.0	94.6	2.644	Sand/gravel	<7.3	270	440
				2012/09/04	Sunny	26.9	0.10	27.5	5	Dark grayish yellow red	None	19.0	61.7	14.9	2.5	0.9	1.0	0.0	96.0	2.648	Sand	<5.5	160	270
				2012/11/07	Cloudy	15.6	0.25	15.2	5	Dark grayish yellow red	None	14.1	63.2	20.5	1.5	0.3	0.4	0.0	96.6	2.645	Gravel	<6.9	200	360
				2013/01/08	Sunny	5.2	0.50	6.8	2	Dark grayish reddish yellow	Faint seaweed	0.0	3.9	4.5	44.8	37.1	9.7	0.0	80.6	2.641	Sand	<11	570	1,000
				2013/02/14	Cloudy	3.4	0.50	5.3	3	Dark grayish reddish yellow	None	0.7	8.7	10.3	39.8	33.0	7.5	0.0	81.7	2.644	Sand	<9.2	440	830
				2012/05/24	Sunny	22.7	0.75	19.9	5	Dark grayish reddish yellow	None	14.3	19.5	42.3	19.9	1.9	2.0	0.0	92.1	2.612	Sand	<5.6	120	170
				2012/07/10	Sunny	27.0	0.50	19.6	3	Reddish yellowish white	None	11.6	33.0	24.9	18.1	5.0	7.2	0.3	91.1	2.6	Sand/gravel	<6.1	82	120
39	Kobisagawa River	Rengobashi Bridge	Iwaki City	2012/09/04	Sunny	27.9	0.30	27.1	3	Grayish yellow	None	24.0	46.1	13.2	9.8	4.7	2.2	0.0	92.6	2.632	Sand	<5.5	88	91
				2012/11/07	Cloudy	16.7	0.40	15.2	5	Dark grayish reddish yellow	None	27.6	48.9	21.8	1.2	0.1	0.3	0.0	93.3	2.634	Gravel	<4.3	46	81
				2013/01/08	Sunny	5.5	0.30	5.5	3	Dark grayish yellow red	Faint seaweed	10.6	34.4	40.5	8.3	3.7	2.5	0.0	85.0	2.601	Gravel/sand	<6.0	140	260
				2013/02/14	Cloudy	4.1	0.30	3.8	3	Dark grayish yellow red	Faint seaweed	15.3	50.1	32.6	1.3	0.6	0.2	0.0	82.3	2.586	Gravel/sand	<6.7	170	290
				2012/05/24	Sunny	20.3	0.30	17.3	5	Dark grayish reddish yellow	None	13.4	30.6	13.6	34.1	6.1	2.4	0.0	93.3	2.696	Sand	<5.4	65	91
				2012/07/10	Sunny	29.0	0.40	21.2	5	Soft reddish yellow	None	9.9	12.4	26.6	38.3	6.9	5.8	0.2	91.6	2.701	Sand	<3.4	18	34
				2012/09/04	Sunny	27.2	0.50	25.3	3	Dark grayish yellow	None	23.4	35.1	28.1	11.3	0.9	1.2	0.0	94.4	2.777	Sand	<3.5	23	45
40	Nidagawa River	Kasumidabashi Bridge	Iwaki City	2012/11/07	Cloudy	13.5	0.50	14.2	3	Dark grayish reddish yellow	Faint putrescence	31.9	37.9	18.0	9.1	1.4	1.8	0.0	94.7	2.777	Gravel	<4.0	30	45
				2012/12/28	Cloudy	3.5	0.50	5.2	3	Dark grayish yellow	None	6.0	37.4	32.7	15.1	6.9	2.0	0.0	92.3	2.685	Gravel/sand	<3.8	33	59
				2013/02/14	Cloudy	4.5	0.50	7.1	2	Dark grayish reddish yellow	Seaweed	16.6	29.2	37.4	12.6	1.5	2.6	0.0	92.0	2.8	Gravel/sand	<4.6	28	57
				2012/05/23	Cloudy	15.5	2.00	17.2	5	Dark grayish reddish yellow	None	1.9	8.0	0.3	55.7	29.6	4.5	0.0	90.6	2.677	Sand	<6.5	180	280
				2012/07/10	Sunny	29.0	0.40	18.1	5	Dark yellow red	None	0.0	30.4	27.6	34.8	4.1	3.1	0.0	93.5	2.677	Sand	<4.8	66	95
				2012/09/04	Sunny	26.8	0.20	25.9	5	Dark grayish reddish yellow	None	0.5	10.8	30.8	47.5	7.3	3.0	0.0	90.9	2.677	Sand	<4.6	71	110
				2012/11/06	Rain	17.0	0.70	15.0	5	Dark grayish reddish yellow	None	0.0	9.5	32.3	48.1	4.3	5.7	0.1	91.4	2.675	Sand	<5.3	55	96
41	Matsubashi Bridge	Iwaki City	Iwaki City	2012/12/28	Cloudy	2.5	0.80	5.0	5	Dark grayish greenish yellow	None	3.3	13.4	28.4	46.6	4.3	4.0	0.0	91.6	2.659	Sand	<4.6	45	77
				2013/02/14	Cloudy	7.6	0.30	8.1	3	Dark grayish reddish yellow	None	10.3	16.1	45.6	16.2	6.0	5.8	0.0	88.2	2.671	Sand	<4.8	90	160
				2012/05/23	Cloudy	14.9	0.40	15.0	-	Dark grayish reddish yellow	None	4.9	37.2	23.8	28.2	3.8	2.1	0.0	94.1	2.696	Sand	<4.0	12	17
				2012/07/12	Rain	25.0	0.40	18.2	3	Greenish yellowish black	None	0.0	0.0	1.0	38.9	41.7	18.1	0.2	76.2	2.741	Sand/silt	<6.2	55	100
				2012/08/24	Sunny	29.0	0.60	21.4	3	Yellowish black	Faint sludge	0.0	0.1	1.0	34.9	45.5	18.5	0.0	73.3	2.738	Sand	<6.2	110	170
				2012/11/05	Cloudy	13.4	0.50	10.6	5	Dark grayish reddish yellow	None	0.0	0.0	1.5	45.8	34.5	18.2	0.0	75.3	2.764	Sand	<5.5	62	110
				2013/01/11	Sunny	-4.4	0.50	0.2	3	Dark grayish yellow red	None	13.5	78.3	4.3	2.5	0.8	0.6	0.0	94.3	2.696	Sand	<3.4	<4.8	5.9
42	Kitanouchibashi Bridge	Onomachi Town	Onomachi Town	2013/02/11	Sunny	0.6	0.50	5.5	10	Dark grayish reddish yellow	None	0.0	0.0	15.0	31.4	36.9	16.6	0.0	67.6	2.728	Sand	<7.3	140	260
				2012/05/23	Cloudy	20.5	1.00	18.0	-	Dark grayish reddish yellow	None	1.4	21.5	49.1	26.6	1.1	0.3	0.0	95.1	2.651	Sand	<3.4	6.2	8.4
				2012/07/10	Sunny	27.5	0.30	21.2	2	Dark reddish yellow	None	0.0	0.0	2.2	48.4	32.4	17.0	0.0	83.4	2.718	Sand	<5.6	60	99
				2012/09/05	Sunny	28.7	0.60	23.2	3	Dark grayish reddish yellow	Sludge	0.0	0.5	4.6	62.4	27.7	4.8	0.0	82.8	2.706	Sand	<5.1	46	70
				2012/11/06	Rain	17.0	1.20	13.0	5	Dark grayish reddish yellow	None	0.0	0.6	2.8	54.4	27.7	14.5	0.0	83.6	2.697	Sand	<5.5	54	95
				2013/01/08	Sunny	6.8	0.40	5.2	3	Grayish reddish yellow	None	0.0	25.2	42.8	25.3	4.3	2.3	0.0	94.1	2.632	Sand	<3.9	7.1	22
				2013/02/14	Cloudy	7.7	0.40	5.5	3	Dark grayish yellow red	None	9.1	44.7	33.5	8.0	2.5	2.3	0.0	95.8	2.653	Sand	<3.7	8.7	14
43	Natsugawa River	Kyudayubashi Bridge	Iwaki City	2012/05/23	Sunny, then cloudy	16.0	1.20	16.8	-	Dark grayish reddish yellow	None	0.2	11.2	17.9	69.2	0.6	0.9	0.0	94.7	2.645	Sand	<4.2	24	42
				2012/07/10	Sunny	30.0	0.30	20.6	-	Yellowish black	None	0.0	0.0	1.0	46.3	38.2	14.5	0.0	81.4	2.688	Mud	<6.9	140	210
				2012/09/05	Sunny	28.9	0.40	22.2	5	Grayish greenish yellow	None	1.7	29.8	55.2	9.2	2.3	1.8	0.0	95.1	2.644	Sand	<4.0	18	29
				2012/11/15	Sunny	11.9	0.50	9.4	5	Dark grayish reddish yellow	None	0.7	17.5	44.3	21.8	10.1	5.5	0.0	92.3	2.655	Sand	<4.3	23	49
				2013/01/08	Sunny	6.8	1.00	5.2	4	Grayish reddish yellow	None	3.6	18.0	41.6	29.4	4.9	2.5	0.0	91.8	2.634	Sand	<4.9	27	36
				2013/02/11	Sunny	5.1	0.25	5.4	1	Dark grayish reddish yellow	None	5.6	16.7	61.8	10.8	2.6	2.5	0.0	92.3	2.657	Sand	<4.2	27	45

Table 4.3.1.2(1) Fukushima Pref. (Hamadori Area) River (Sediment)

Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Sediment																Remarks					
No.	Point	Municipality					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 material concentrations (Bq/kg dried mud)								
											Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt				Clay	I-131	Cs-134		Cs-137				
45	Yoshinagawa River	Iwaatsunbashi Bridge	2012/05/23	Cloudy	21.4	0.50	15.4	-	Dark grayish reddish yellow	None	4.6	27.9	5.9	53.5	5.3	2.8	0.0	94.1	2.68	Sand	<6.6	180	270					
			2012/07/11	Sunny	29.0	0.60	20.0	2	Dark grayish reddish yellow	None	0.0	0.0	10.5	65.8	13.4	10.3	0.0	89.4	2.699	Sand	<6.0	120	170					
			2012/09/05	Sunny	25.7	0.20	22.7	5	Very dark reddish yellow	None	0.1	0.3	15.5	63.8	14.2	6.2	0.0	84.5	2.691	Sand	<6.0	140	230					
			2012/11/09	Sunny	9.9	0.20	9.2	5	Dark grayish reddish yellow	None	0.3	7.3	43.8	34.1	7.6	6.9	0.0	87.8	2.682	Gravel/sand	<4.9	76	130					
			2013/01/08	Sunny	5.1	0.20	3.3	2	Dark grayish reddish yellow	None	2.8	28.4	49.3	12.8	4.0	2.8	0.0	91.3	2.698	Sand	<6.0	110	220					
			2013/02/15	Cloudy	6.2	0.20	4.5	2	Dark grayish reddish yellow	Faint seaweed	4.8	19.7	33.5	26.7	10.4	4.9	0.0	85.7	2.696	Sand	<5.2	96	180					
			2012/05/23	Sunny	16.9	0.50	16.5	-	Dark grayish reddish yellow	None	5.1	14.0	51.2	28.0	1.2	0.4	0.0	94.3	2.683	Sand	<4.1	28	41					
	46	Before the confluence with Natsugawa River		2012/07/11	Sunny	29.0	0.45	19.7	2	Strong reddish yellow	None	15.4	39.6	18.4	17.2	6.1	3.3	0.0	94.3	2.69	Sand/gravel	<4.8	26	37				
				2012/09/05	Sunny	31.2	0.20	23.8	5	Dark grayish yellow	None	0.0	0.0	5.5	64.6	21.9	8.0	0.0	82.4	2.694	Sand	<5.5	96	150				
				2012/11/15	Sunny	14.1	0.20	11.9	7	Dark grayish reddish yellow	None	0.0	0.4	2.1	52.3	29.1	16.2	0.0	80.1	2.716	Sand	<6.0	71	120				
				2012/12/19	Sunny	3.7	0.30	5.8	3	Dark grayish reddish yellow	None	11.5	32.5	48.7	5.2	1.2	0.9	0.0	94.0	2.676	Sand	<3.5	12	22				
				2013/01/21	Sunny	9.3	0.20	7.2	3	Dark grayish yellow	None	21.9	51.9	13.2	10.2	2.0	0.8	0.0	92.5	2.744	Sand	<3.3	16	32				
				2012/05/24	Sunny	20.4	0.20	18.1	5	Dark grayish reddish yellow	None	3.3	19.4	2.0	46.2	18.8	10.3	0.0	88.5	2.603	Sand	<4.6	35	67				
				2012/07/11	Sunny	27.0	0.30	22.0	2	Purplish reddish black	Sludge	0.0	4.3	26.6	47.1	14.1	7.8	0.1	88.1	2.667	Silt	<4.7	50	76				
47	Fujiwaragawa River	Shimabashi Bridge	2012/09/05	Sunny	29.1	0.30	26.1	3	Dark grayish reddish yellow	Sludge	17.1	29.5	15.0	31.3	3.5	3.5	0.0	89.3	2.663	Sand	<5.1	18	37					
			2012/10/19	Cloudy	14.0	0.70	15.9	3	Soft reddish yellow	None	4.4	8.6	12.7	34.5	18.4	21.1	0.0	81.6	2.669	Sand	<4.3	<6.4	13					
			2012/11/15	Sunny	9.4	0.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to construction causing increased water level
			2013/01/09	Cloudy	7.1	0.40	8.6	2	Dark grayish yellow red	Faint fish and shellfish	0.9	4.8	0.0	25.7	41.6	27.1	0.0	67.9	2.574	Sand/earth	<5.3	14	32					
			2013/01/31	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to large scale bridge construction	
			2012/05/22	Cloudy	16.2	0.60	17.1	5	Yellowish dark gray	None	0.8	1.7	33.1	22.9	24.5	16.9	0.0	67.5	2.554	Silt	<11	400	600					
			2012/07/11	Sunny	27.0	0.40	26.0	3	Dark greenish yellow	None	0.0	0.0	0.0	35.4	52.3	12.3	0.0	80.3	2.652	Sand	<5.3	84	130					
	48	Iwakashi City	Mnatohashi Bridge	2012/09/06	Sunny	25.0	1.00	24.2	5	Dark grayish reddish yellow	None	0.0	0.0	1.5	27.5	56.0	13.5	1.5	47.3	2.797	Mud	<16	570	910				
				2012/10/19	Cloudy	14.0	2.00	17.2	3	Dark reddish yellow	Sludge	1.3	1.7	1.5	47.4	26.3	20.6	1.2	75.5	2.744	Sand	<6.9	210	370				
				2012/11/15	Sunny	11.9	2.50	16.7	5	Greenish yellowish dark gray	Sludge	0.6	0.6	0.0	24.4	46.9	27.5	0.0	66.4	2.662	Silt	<9.7	330	580				
				2013/01/11	Sunny	1.9	2.80	11.2	5	Dark grayish yellow	Mud	0.7	1.0	2.5	44.6	27.1	24.2	0.0	69.1	2.642	Silt	<7.9	220	410				
				2013/02/05	Sunny	4.4	2.70	11.4	5	Yellowish dark gray	Faint sludge	0.0	0.0	0.0	3.8	34.0	57.5	4.7	44.3	2.614	Silt	<20	820	1,400				
				2012/05/22	Rain	16.0	0.30	15.7	4	Reddish yellowish dark gray	None	2.2	1.7	21.2	47.0	15.2	12.7	0.0	89.6	2.724	Sand	<5.9	98	140				
				2012/07/09	Sunny	21.5	1.00	18.0	2	Dark grayish yellow	None	3.4	2.0	15.8	48.4	14.7	15.7	0.0	89.6	2.75	Sand	<5.2	54	80				
49	Sanegawa River	Idoswabashi Bridge	2012/09/03	Sunny	28.0	0.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to increased water level		
			2012/11/09	Sunny	16.6	3.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to river bottom being rockbed	
			2012/12/26	Sunny	4.2	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2013/02/05	Sunny	6.4	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2012/05/22	Rain	16.0	1.00	16.8	5	Reddish yellowish dark gray	None	0.0	0.3	3.0	60.4	25.8	10.5	0.0	88.0	2.714	Sand	<5.1	55	81					
			2012/07/11	Sunny	28.0	0.50	21.5	5	Very dark reddish yellow	None	5.3	39.5	26.3	16.1	6.9	6.0	0.0	95.0	2.675	Sand	<3.0	68	5.8					
			2012/09/03	Sunny	30.5	0.40	26.2	5	Dark grayish yellow red	None	7.0	27.8	40.6	15.8	4.8	3.9	0.0	93.7	2.704	Sand	<3.7	<5.8	4.7					
	50	Sanegawabashi Bridge		2012/11/16	Sunny	11.7	4.50	13.6	5	Yellowish gray	None	0.0	2.0	46.8	26.5	10.5	14.2	0.0	85.0	2.674	Sand	<3.8	39	67				
				2013/01/07	Sunny	3.0	0.30	7.7	3	Dark grayish reddish yellow	None	7.7	9.3	56.9	20.4	3.1	2.5	0.0	92.7	2.693	Sand	<4.7	7.9	16				
				2013/02/06	Snow	1.5	0.30	6.2	5	Dark grayish reddish yellow	Faint seaweed	4.6	11.9	51.4	25.2	4.2	2.9	0.0	92.6	2.689	Sand	<4.3	13	20				
				2012/05/22	Rain	15.0	0.40	12.8	5	Reddish yellowish gray	None	0.0	1.2	1.5	55.9	36.3	5.1	0.0	88.5	2.744	Sand/gravel	<5.3	57	92				
				2012/07/09	Sunny	25.2	1.00	16.2	2	Dark grayish yellow red	None	0.0	0.0	16.7	62.1	11.2	10.0	0.0	87.5	2.745	Sand	<6.0	40	63				
				2012/09/03	Cloudy	22.0	0.40	19.7	5	Dark reddish yellow	None	0.0	0.0	0.5	41.5	43.8	14.3	0.0	75.4	2.654	Sand	<6.0	95	170				
				2012/10/19	Cloudy	15.0	1.00	13.1	3	Dark grayish reddish yellow	None	0.0	1.5	8.5	67.5	14.1	8.3	0.0	92.2	2.762	Sand	<4.7	26	52				
51	Shitokigawa River	Komurobashi Bridge	2012/11/16	Sunny	13.5	0.30	9.7	5	Dark grayish reddish yellow	None	0.0	0.0	7.0	48.3	35.8	8.9	0.0	77.5	2.603	Sand	<7.2	88	120					
			2012/12/26	Sunny	3.2	0.50	3.7	3	Dark grayish reddish yellow	None	0.0	4.9	35.6	55.9	1.7	1.8	0.0	92.7	2.687	Gravel/sand	<3.8	17	31					
			2013/02/06	Snow	1.4	0.50	4.1	5	Dark grayish reddish yellow	None	0.0	0.1	18.3	64.5	11.3	5.9	0.0	88.6	2.692	Sand	<5.8	34	62					
			2012/05/22	Cloudy	16.0	0.40	15.2	3	Reddish yellowish dark gray	None	8.8	25.0	1.8	28.9	24.8	10.7	0.0	90.3	2.658	Sand/gravel	<4.9	100	170					
			2012/07/13	Cloudy	26.0	0.30	20.2	3	Dark reddish yellow	None	11.8	18.2	34.3	14.4	7.8	13.2	0.3	90.3	2.673	Gravel	<5.3	78	120					
			2012/09/06	Sunny	28.8	0.20	25.1	2	Dark grayish yellow	None	11.8	6.2	0.9	53.3	21.0	6.8	0.0	83.9	2.649	Sand	<5.5	99	160					
			2012/11/09	Sunny	17.0	0.50	11.6	5	Greenish yellowish black	Putrescence	36.6	29.5	25.7	6.2	0.7	1.2	0.0	92.6	2.653	Sand	<6.7	150	270					
	52	Bindagawa River	Kobunabashi Bridge	2012/12/26	Sunny	3.2	0.50	5.1	5	Dark grayish yellow	None	23.7	17.8	31.0	13.7	6.1	7.7	0.0	85.3	2.653	Gravel/sand	<4.0	48	89				
				2013/02/06	Snow	-0.1	0.25	5.0	3	Dark grayish reddish yellow	None	15.7	44.0	34.7	2.8	1.2	1.6	0.0	90.2	2.696	Gravel/sand	<5.7	120	210				

Table 4.3.1.2(1) Fukushima Pref. (Hamadori Area) River (Sediment)

	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Sediment															Remarks			
								General items											Radioactive material concentrations (Bq/kg dried soil)							
	No.	Point						Municipality	Mud temperature °C	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
R i v e r s	53	Bindagawa River	Bindabashi Bridge	Iwakishi City	2012/05/22	Rain	14.0	1.00	17.1	10	Reddish yellowish gray	None	0.4	2.4	0.0	11.6	32.6	53.0	0.0	60.0	2.52	Sand	<15	780	1,200	
					2012/07/13	Cloudy	27.5	0.50	22.3	2	Reddish yellowish black	Faint chemicals	12.4	5.5	0.4	32.6	30.8	18.1	0.1	84.1	2.693	Silt	<7.0	170	250	
					2012/09/06	Sunny	26.8	0.50	26.9	1	Reddish yellowish black	Sludge	5.9	8.9	3.3	32.4	30.4	19.1	0.0	71.0	2.623	Mud/silt	<9.0	370	590	
					2012/11/16	Sunny	14.1	1.10	17.0	7	Black	Sludge	0.0	2.1	7.2	62.8	14.5	13.4	0.0	80.8	2.668	Sand	<7.0	200	340	
					2012/12/26	Sunny	4.2	1.50	8.8	3	Dark grayish reddish yellow	None	0.0	2.7	0.0	20.0	37.8	39.4	0.0	63.0	2.574	Sand/silt	<13	540	1,000	
					2013/02/06	Snow	1.1	0.45	8.3	3	Dark grayish reddish yellow	Faint seaweed	4.6	5.8	22.5	32.5	20.4	14.2	0.0	82.6	2.676	Gravel/sand	<5.1	86	100	

Table 4.3.1.2(2) Fukushima Pref. (Nakadori Area) River (Sediment)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment																	Remarks
No.	Point	Municipality						General items							Radioactive material concentrations (Bq/kg dried mat)										
								Mud temperature °C	Mud sampling depth cm	Color	Odor	Mechanical composition %					Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				
54	Habutobashi Bridge	Nishigomura Village		2012/05/02	Cloudy	16.0	0.2	12.7	3	Grayish yellow	None	0.0	0.2	0.4	58.9	31.2	9.3	0.0	77.7	2.054	Sand	<5.1	92	170	
				2012/07/12	Rain	22.0	0.3	20.1	3	Dark grayish reddish yellow	None	0.2	4.7	22.5	35.6	29.8	7.3	0.0	89.9	2.7	Sand	<3.7	14	30	
				2012/10/09	Sunny	15.5	0.2	16.8	3	Dark grayish reddish yellow	None	2.7	3.2	5.4	74.6	10.1	4.0	0.0	91.2	2.969	Sand	<3.9	10	21	
				2012/11/22	Cloudy	3.9	0.2	6.6	4	Dark grayish yellow	None	0.0	2.4	40.3	50.8	2.7	3.8	0.0	90.6	2.717	Sand	<4.9	19	30	
				2012/12/20	Sunny	2.7	0.5	6.1	3	Dark grayish reddish yellow	None	0.0	0.0	14.8	44.0	24.4	16.7	0.0	78.8	2.687	Sand	<5.1	50	94	
				2013/01/28	Sunny	3.6	0.3	6.7	7	Dark grayish reddish yellow	None	0.0	0.6	18.7	59.6	13.5	7.6	0.0	84.4	2.738	Sand	<4.1	30	59	
	55	Abukumagawa River	Tamachiohoshi Bridge		2012/05/02	Rain	16.0	0.4	15.0	4	Yellow greenish black	None	5.3	10.0	2.5	36.3	27.1	18.5	0.3	78.2	2.643	Sand	<9.3	410	600
					2012/05/10	Cloudy	13.0	0.8	15.0	4	Dark grayish reddish yellow	None	5.9	24.4	49.1	18.4	1.9	0.3	0.0	95.2	2.724	Sand	<4.2	18	28
					2012/06/04	Sunny	27.0	0.4	21.6	3	Very dark reddish yellow	Faint sludge	3.4	7.4	0.4	44.3	31.3	12.6	0.0	87.9	2.749	Sand/gravel	<6.6	130	200
					2012/07/12	Rain	24.0	0.5	20.4	2	Reddish yellowish black	None	1.3	4.8	0.4	41.4	38.9	13.1	0.1	83.3	2.808	Sand	<5.0	74	110
					2012/08/06	Cloudy	26.5	0.4	23.2	2	Reddish yellowish black	None	5.9	32.5	42.7	15.3	2.4	1.2	0.0	93.8	2.76	Sand/gravel	<5.6	19	37
					2012/08/30	Cloudy	33.0	0.6	25.0	4	Dark grayish reddish yellow	None	0.0	3.5	61.0	30.7	1.9	2.9	0.0	91.7	2.656	Sand	<4.2	40	67
56		Yantagawa River	Before the confluence with Abukumagawa River		2012/10/02	Cloudy	22.0	0.6	19.2	3	Yellow reddish black	Faint seaweed	0.0	10.8	45.7	40.2	1.6	1.7	0.0	94.1	2.61	Sand	<4.8	23	37
					2012/11/01	Sunny	15.6	0.5	14.2	3	Dark grayish yellow	None	5.5	2.5	37.2	54.1	0.0	0.7	0.0	90.8	2.767	Sand	<4.6	33	52
					2012/12/20	Sunny	4.1	0.4	5.9	3	Dark grayish reddish yellow	None	0.0	0.5	0.5	43.2	37.0	18.8	0.0	73.7	2.65	Sand	<7.1	200	360
					2013/01/14	Snow	-0.1	0.3	1.9	7	Dark grayish reddish yellow	None	1.6	8.9	75.2	14.0	0.2	0.0	0.0	88.8	2.66	Sand	<4.6	44	81
					2013/02/14	Sunny	8.6	0.4	8.1	1	Dark grayish reddish yellow	None	12.6	25.7	52.0	8.8	0.6	0.4	0.0	87.0	2.748	Sand	<4.7	60	120
					2013/03/04	Sunny	5.0	0.5	4.3	3	Dark grayish yellow	None	1.5	5.1	66.2	13.9	3.4	9.8	0.0	85.3	2.663	Sand	<4.8	73	130
57	Yashirogawa River	Yashirogawabashi Bridge		2012/05/02	Cloudy	19.0	1.0	16.8	3	Yellow greenish black	Sludge	14.8	14.3	25.2	30.1	6.7	8.9	0.0	83.0	2.739	Silt	<18	1,700	2,600	
				2012/07/12	Rain	27.0	0.5	21.1	2	Deep reddish yellow	None	0.5	4.6	5.4	35.1	16.0	34.6	3.7	70.7	2.684	Sand	<11	400	650	
				2012/10/09	Sunny	18.6	0.9	17.7	3	Yellow reddish black	None	15.8	12.6	11.9	25.2	18.3	16.3	0.1	71.6	2.627	Sand/silt	<2.7	3,000	5,100	
				2012/11/01	Sunny	12.2	0.6	14.6	3	Greenish yellowish dark gray	Faint sludge	13.8	29.8	7.9	31.6	9.4	7.5	0.0	83.9	2.71	Sand/silt	<9.8	620	1,100	
				2012/12/20	Sunny	2.6	0.6	7.4	3	Dark grayish yellow	Faint sewage	3.0	5.8	0.0	19.1	38.5	30.7	2.8	58.1	2.627	Sand/silt	<16	710	1,300	
				2013/01/24	Sunny	1.3	1.2	5.8	1	Reddish yellowish black	Sludge	25.9	24.0	19.9	21.1	3.4	5.8	0.0	90.6	2.694	Sand/silt	<7.1	300	560	
	58	Kitsagawa River	Yanagibashi Bridge		2012/05/05	Cloudy, partly sunny	17.1	0.3	11.5	2	Dark grayish reddish yellow	None	0.0	0.5	1.0	44.2	38.2	16.1	0.1	75.7	2.23	Sand	<9.2	360	510
					2012/07/17	Sunny	32.0	0.5	28.1	2	Very dark yellow	None	0.5	1.0	4.0	71.9	11.2	11.4	0.0	84.3	2.671	Sand	<5.7	110	180
					2012/10/09	Sunny	19.7	0.3	18.6	3	Dark grayish reddish yellow	None	9.1	21.4	32.9	27.1	4.3	5.1	0.1	90.3	2.767	Sand	<4.2	53	76
					2012/11/19	Cloudy	4.3	0.5	7.8	4	Dark grayish reddish yellow	None	9.0	10.0	25.2	43.4	7.5	4.9	0.0	83.4	2.698	Sand	<6.0	110	190
					2012/12/20	Sunny	2.7	0.6	5.2	5	Dark grayish yellow	None	13.6	31.9	30.2	15.4	5.2	3.7	0.0	85.9	2.684	Gravel/sand	<5.6	86	160
					2013/01/16	Sunny	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	Imadegawa River	Nekonakibashi Bridge		2012/05/05	Sunny	20.5	0.4	14.5	5	Dark grayish reddish yellow	None	4.3	14.7	0.8	28.8	33.7	17.6	0.0	45.2	2.672	Sand	<9.2	21	43	
				2012/07/18	Cloudy	27.0	0.4	20.8	3	Dark yellow	None	1.6	14.0	50.4	24.7	6.0	3.3	0.0	86.4	2.621	Sand	<5.4	28	37	
				2012/10/16	Sunny	18.7	0.2	14.4	3	Dark grayish reddish yellow	None	6.1	36.0	22.0	22.7	7.2	5.9	0.0	93.9	2.687	Sand	<3.5	8.3	14	
				2012/11/21	Sunny	4.7	0.2	6.7	8	Dark grayish reddish yellow	None	0.0	6.7	17.5	43.2	26.8	5.8	0.0	90.0	2.666	Sand	<3.9	17	40	
				2012/12/19	Sunny	1.1	0.3	2.2	8	Grayish reddish yellow	None	13.1	36.1	22.4	21.2	5.4	1.7	0.0	93.0	2.713	Sand/gravel	<4.4	8.1	19	
				2013/01/21	Cloudy	5.4	0.4	2.6	2	Dark grayish yellow	None	18.6	29.5	23.1	18.6	6.4	3.7	0.0	90.7	2.768	Sand	<4.4	24	48	
60	Yashirogawa River	Ojibashi Bridge		2012/05/05	Sunny	20.7	0.3	13.2	3	Dark grayish reddish yellow	None	5.4	8.7	6.1	37.0	25.5	17.3	0.0	71.3	2.71	Sand	<9.2	280	400	
				2012/07/17	Sunny	32.0	0.3	23.6	5	Very dark yellow	Sludge	1.6	10.8	1.0	26.6	28.4	31.6	0.0	74.4	2.707	Sand/mud	<7.9	230	380	
				2012/10/09	Sunny	20.0	0.7	17.0	3	Dark yellow	Sludge	1.9	16.0	15.2	44.5	12.8	9.6	0.0	88.3	2.739	Sand	<5.1	37	68	
				2012/11/19	Cloudy	5.5	0.3	8.7	15	Dark grayish yellow	Mud	1.7	4.5	10.1	31.7	32.4	19.7	0.0	44.2	2.634	Silt	<19	530	920	
				2012/12/19	Sunny	0.7	0.3	3.0	5	Dark grayish greenish yellow	None	0.0	0.0	0.0	23.7	42.8	32.9	0.6	50.7	2.569	Silt	<13	410	740	
				2013/01/21	Cloudy	1.7	0.3	4.1	5	Dark grayish yellow	Faint sludge	0.0	1.2	0.0	18.9	38.4	41.5	0.0	52.2	2.6	Silt	<15	440	740	
60	Yashirogawa River	Ojibashi Bridge		2012/05/05	Cloudy, then sunny	17.0	0.5	13.4	2	Dark grayish yellow	None	0.0	0.1	1.2	53.3	37.5	7.8	0.0	85.9	2.741	Sand	<6.0	59	86	
				2012/07/17	Sunny	31.5	0.5	26.4	2	Very dark yellow	None	0.0	10.4	31.0	42.5	11.7	4.1	0.0	91.3	2.683	Sand	<3.8	19	31	
				2012/10/09	Sunny	19.0	0.8	17.8	4	Grayish reddish yellow	None	0.0	12.2	48.8	22.9	9.2	6.8	0.0	92.9	2.718	Sand	<4.4	22	33	
				2012/11/21	Sunny	8.4	0.7	7.8	10	Dark grayish reddish yellow	Faint sewage	1.6	5.9	32.1	43.9	12.9	3.6	0.0	90.7	2.739	Sand	<4.1	35	63	
	2012/12/19	Sunny	1.1	0.6	4.4	3	Grayish reddish yellow	None	1.1	9.8	45.9	30.0	8.4	4.8	0.0	89.3	2.732	Sand	<5.1	38	62				
	2013/01/21	Cloudy	1.1	0.3	2.9	4	Dark grayish reddish yellow	None	0.0	5.2	43.1	32.8	10.2	8.7	0.0	87.5	2.689	Sand	<3.9	33	65				

Table 4.3.1.2(2) Fukushima Pref. (Nakadori Area) River (Sediment)

Sampling point				Sediment																			Remarks	
				Sampling date	Weather	Air temperature °C	Full depth m	General items													Radioactive material concentrations (By kg dried mud)			
								Mud temperature °C	Mud sampling depth cm	Color	Odor	Mechanical composition %					Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137		
No.	Point	Municipality								Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay								
61	Abukumagawa River	Kawanomeshashi Bridge	Tanakawamura Village	2012/05/02	Cloudy	17.0	0.3	16.1	4	Dark grayish yellow	None	0.2	0.9	4.9	42.2	34.8	17.0	0.0	86.8	2.723	Sand	-5.7	130	200
				2012/05/10	Sunny	18.0	0.5	16.0	4	Dark grayish reddish yellow	None	0.0	0.0	6.8	70.9	15.7	6.6	0.0	87.7	2.751	Sand	-4.3	40	65
				2012/06/04	Cloudy	21.0	0.4	20.9	3	Dark reddish yellow	None	1.9	9.2	58.5	9.7	13.4	7.3	0.0	89.7	2.745	Sand	-4.5	83	130
				2012/07/17	Sunny	30.0	0.3	24.5	2	Very dark reddish yellow	None	0.0	4.3	23.5	42.4	17.5	12.3	0.0	90.3	2.725	Sand	-4.3	30	54
				2012/08/07	Sunny	28.0	0.3	25.4	2	Dark grayish yellow	None	3.0	15.6	47.0	24.8	4.3	5.2	0.0	93.9	2.975	Sand	-3.9	21	32
				2012/08/30	Sunny	32.0	0.2	27.6	4	Dark grayish reddish yellow	None	1.6	20.6	38.6	15.7	14.0	9.6	0.0	90.3	2.832	Sand	-4.2	29	44
				2012/10/02	Cloudy	22.0	0.5	20.2	2	Dark grayish reddish yellow	None	3.5	2.9	0.4	47.0	36.5	9.6	0.0	82.8	2.557	Sand	-5.0	70	110
				2012/11/21	Sunny	7.3	0.2	8.0	3	Dark grayish reddish yellow	None	28.1	0.4	0.2	41.6	20.2	9.5	0.0	72.8	2.741	Sand/silt	-7.4	170	280
				2012/12/13	Sunny	2.5	0.7	3.7	7	Dark grayish reddish yellow	None	0.0	2.8	49.7	37.4	5.7	4.5	0.0	91.3	2.745	Sand	-3.6	17	32
				2013/01/07	Sunny	3.3	0.3	3.0	5	Dark grayish reddish yellow	None	2.0	19.0	49.6	11.1	10.2	8.1	0.0	86.5	2.701	Sand	-4.1	44	76
				2013/01/28	Sunny	2.7	0.3	3.5	3	Dark grayish reddish yellow	None	2.8	0.0	1.0	64.5	24.7	6.6	0.0	83.3	2.866	Sand	-5.4	44	86
				2013/02/20	Sunny	5.6	0.4	3.1	3	Dark grayish yellow	None	0.2	0.5	4.7	64.4	24.2	6.0	0.0	83.7	2.845	Sand	-4.4	51	87
				2012/05/05	Sunny	21.6	0.3	16.0	2	Reddish yellowish black	None	0.0	0.0	0.0	32.5	50.9	16.5	0.0	77.4	2.696	Sand	-7.7	150	230
				62	Emochibashi Bridge			2012/07/18	Cloudy	27.0	0.2	22.9	1	Very dark reddish yellow	None	7.8	8.3	0.4	37.4	36.9	9.3	0.0	79.6	2.705
2012/08/30	Sunny	30.6	0.1					30.0	2	Reddish yellowish black	Sludge	4.7	11.3	4.1	35.4	30.5	14.0	0.0	78.0	2.619	Sand/mud	-6.8	130	200
2012/11/01	Sunny	17.5	0.9					14.0	2	Dark grayish reddish yellow	None	16.6	3.2	2.0	43.2	30.6	4.4	0.0	76.5	2.752	Sand	-6.8	130	220
2012/12/20	Sunny	2.9	0.3					3.3	3	Dark grayish reddish yellow	Faint seaweed	0.0	4.3	47.0	40.7	3.3	4.8	0.0	89.2	2.861	Sand	-4.7	27	45
2013/01/24	Sunny	2.2	0.2					4.5	2	Dark grayish yellow	None	5.3	37.4	36.7	15.4	2.7	2.6	0.0	93.7	2.757	Gravel/sand	-3.6	14	34
2012/05/05	Sunny	19.0	0.4					15.0	2	Yellowish black	None	0.0	0.0	1.4	75.5	18.9	4.5	0.0	90.9	3.177	Sand	-4.9	72	110
63	Sakagawashi City water intake point			2012/07/18	Cloudy	29.0	0.5	26.0	2	Dark yellow red	None	4.7	27.4	32.0	35.5	0.3	0.0	94.5	2.842	Sand/gravel	-4.5	30	47	
				2012/10/16	Sunny	20.1	0.2	18.5	3	Reddish yellowish black	Faint seaweed	10.2	40.9	21.9	24.7	1.0	1.3	0.0	94.3	2.761	Sand/gravel	-4.1	30	53
				2012/11/08	Cloudy	13.0	0.2	11.5	3	Dark grayish reddish yellow	Faint putrescence	1.9	5.1	43.3	44.3	4.3	1.2	0.0	90.9	2.776	Gravel/sand	-4.4	58	110
				2012/12/20	Sunny	4.4	0.5	3.7	3	Dark grayish reddish yellow	None	9.5	12.6	28.2	42.7	4.8	2.3	0.0	91.8	2.769	Sand	-3.6	34	60
				2013/01/24	Sunny	3.4	0.2	5.5	10	Dark grayish greenish yellow	None	11.2	24.8	51.9	12.0	0.2	0.0	0.0	93.8	3.061	Sand	-3.7	36	72
				2012/05/02	Cloudy	18.0	0.3	18.8	4	Dark grayish yellow	None	28.1	44.8	18.2	3.4	1.9	3.8	0.0	88.7	2.584	Gravel/sand/clay	-7.5	220	320
				2012/05/10	Cloudy	13.0	0.3	15.0	5	Dark grayish reddish yellow	None	6.4	24.2	45.3	22.4	1.5	0.3	0.0	93.8	2.741	Sand	-3.6	14	27
				2012/06/07	Sunny	23.6	0.3	22.8	2	Dark grayish yellow red	None	7.1	13.6	3.0	62.5	8.8	5.0	0.0	83.5	2.653	Sand	-7.4	230	370
				2012/07/18	Cloudy	29.0	0.5	23.8	3	Very dark yellow green	Faint sludge	0.0	0.1	1.2	24.7	37.6	35.8	0.6	62.3	2.605	Sand/mud	-1.7	1,400	2,200
				2012/08/07	Sunny	28.5	0.2	26.9	10	Dark grayish yellow	None	7.3	19.9	28.9	39.3	2.0	2.7	0.1	92.7	2.863	Sand	-3.8	32	61
				2012/08/30	Sunny	31.1	0.4	28.6	4	Yellowish black	Faint sewage	0.0	3.3	2.2	64.1	21.7	8.5	0.1	84.9	2.751	Sand/mud	-8.5	400	650
				2012/10/16	Sunny	19.7	0.3	17.9	3	Dark grayish reddish yellow	Faint seaweed	0.0	8.6	24.9	46.5	17.2	2.8	0.0	92.2	2.816	Sand	-4.8	43	74
				2012/11/20	Rain, then cloudy	9.1	0.3	10.8	5	Yellowish black	None	9.2	4.8	0.4	53.6	27.9	4.1	0.0	85.0	2.798	Sand	-7.9	320	570
				2012/12/12	Sunny	4.3	0.2	4.3	5	Dark grayish reddish yellow	None	2.5	8.6	2.7	48.2	29.8	8.2	0.0	78.2	2.731	Sand	-7.3	160	280
2013/01/10	Sunny	-0.1	0.3	3.2	5	Dark grayish yellow red	None	11.7	34.6	4.1	40.7	4.5	4.4	0.0	91.6	2.734	Gravel/sand	-4.1	35	61				
2013/01/29	Sunny	-1.0	0.1	1.9	3	Dark grayish reddish yellow	None	10.4	28.4	18.1	37.5	3.3	2.4	0.0	89.3	2.754	Gravel/sand	-4.8	32	53				
2013/02/20	Sunny	2.6	0.1	3.0	4	Dark grayish yellow	None	21.5	22.0	38.6	17.5	0.0	0.4	0.0	91.9	2.72	Gravel/sand	-3.5	25	50				
64	Shakadogawa River	Before the confluence with Abukumagawa River	Sakagawashi City	2012/05/04	Cloudy	19.6	0.2	14.2	3	Dark grayish reddish yellow	None	0.0	0.5	0.0	26.9	57.4	15.0	0.0	79.1	2.628	Mud	-8.0	160	220
				2012/07/18	Cloudy	25.0	0.4	23.0	2	Dark yellow	None	1.6	2.4	0.4	29.4	49.0	17.2	0.0	74.8	2.663	Sand	-1.1	570	900
				2012/09/25	Cloudy	21.2	0.4	20.8	2	Dark grayish reddish yellow	None	13.2	31.2	13.0	32.9	5.1	4.4	0.1	90.7	2.628	Sand	-4.9	87	150
				2012/11/01	Sunny	13.2	0.4	12.3	2	Dark grayish reddish yellow	None	11.8	9.9	14.9	60.6	2.8	0.0	0.0	90.9	2.663	Sand	-5.9	70	130
				2012/12/26	Cloudy	-2.4	0.5	1.7	5	Strong reddish yellow	None	0.0	0.0	0.9	45.4	39.9	13.7	0.1	74.7	2.665	Gravel/sand	-1.1	540	1,000
				2013/01/23	Sunny	3.3	0.6	2.9	10	Dark grayish greenish yellow	None	0.0	0.7	0.4	46.5	40.7	11.7	0.0	76.0	2.617	Sand	-1.1	440	860
				2012/05/03	Rain	15.5	0.2	15.4	5	Dark grayish reddish yellow	None	1.3	14.2	13.1	41.5	21.5	8.3	0.0	92.5	2.864	Sand	-5.3	96	140
				2012/07/19	Sunny	28.0	0.4	24.5	3	Dark reddish yellow	None	0.0	0.8	53.7	40.2	2.8	2.5	0.0	90.9	2.69	Sand	-5.0	58	82
				2012/09/25	Cloudy, then sunny	20.1	0.2	20.5	4	Dark grayish reddish yellow	None	3.6	27.7	27.7	25.6	9.5	5.9	0.0	94.0	2.661	Sand	-4.2	33	66
				2012/11/01	Sunny	7.7	0.2	10.6	3	Very dark reddish yellow	None	0.0	35.9	30.4	30.6	2.3	0.9	0.0	93.1	2.652	Sand	-4.2	30	51
				2012/12/26	Sunny	-1.0	0.2	2.5	3	Grayish yellow	None	0.4	1.3	2.0	65.7	22.8	7.8	0.0	79.4	2.736	Gravel/sand	-6.4	140	260
2013/01/23	Sunny	2.8	0.3	4.5	3	Dark grayish yellow	None	3.5	1.9	5.7	64.2	18.6	6.0	0.0	83.2	2.71	Sand	-6.4	130	210				

Table 4.3.1.2(2) Fukushima Pref. (Nakadori Area) River (Sediment)

River	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Sediment													Radioactive material concentrations (Bq/kg dried mud)			Remarks		
	No.	Point	Municipality					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 I-131	Radioactive cesium					
												Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand					Silt	Clay	Cs-134		Cs-137	
67		Funchikibashi Bridge	Tamarashi City	2012/05/06	Cloudy	21.1	0.2	13.5	4	Yellowish dark gray	None	0.0	0.0	1.7	1.5	45.9	34.7	16.3	3.0	0.0	88.4	2.702	Sand	-5.9	110	160
				2012/07/18	Cloudy	29.0	0.6	22.7	1	Dark grayish reddish yellow	None	3.5	31.9	22.5	22.8	16.3	3.0	0.0	93.9	2.699	Sand/gravel	-4.4	19	33		
				2012/09/25	Cloudy	16.4	0.3	16.7	3	Dark grayish reddish yellow	None	2.6	26.6	27.0	29.1	8.2	6.5	0.0	94.4	2.722	Sand	-3.9	40	56		
				2012/11/14	Sunny	10.5	0.3	10.5	4	Dark grayish reddish yellow	None	0.8	5.1	27.5	63.5	2.7	0.4	0.0	90.8	2.692	Sand	-4.8	46	87		
				2012/12/20	Sunny	3.7	0.3	4.4	3	Dark grayish reddish yellow	Faint seaweed	0.0	2.1	47.6	37.2	7.9	5.1	0.0	90.3	2.71	Sand	-5.6	44	76		
				2013/01/22	Cloudy	1.8	0.3	3.7	2	Dark grayish greenish yellow	None	3.5	10.5	16.7	29.7	27.5	12.1	0.0	85.4	2.687	Sand	-5.3	89	150		
				2012/05/04	Light rain	16.5	0.7	15.5	9	Greenish yellowish dark gray	Sludge	0.0	0.2	0.0	14.3	29.7	55.9	0.0	46.7	2.449	Silt	-29	2,500	3,900		
				2012/07/19	Sunny	29.0	0.6	22.7	3	Very dark reddish yellow	Mud	2.3	6.1	5.2	74.3	6.7	5.4	0.0	92.9	2.708	Sand	-5.1	85	130		
				2012/09/25	Cloudy, then sunny	24.2	0.2	21.6	3	Dark grayish reddish yellow	None	6.2	37.4	16.9	25.2	8.2	6.0	0.0	94.2	2.688	Sand	-4.5	32	57		
				2012/10/31	Cloudy	15.8	0.2	14.4	3	Dark grayish reddish yellow	None	11.4	28.9	32.6	22.2	3.4	1.5	0.0	91.4	2.742	Gravel/sand	-4.2	40	68		
2012/12/26	Sunny	-3.5	0.3	3.3	5	Dark grayish yellow	None	0.0	0.3	0.9	43.2	39.5	16.1	0.0	77.3	2.711	Sand	-9.5	470	870						
2013/01/23	Sunny	1.7	0.2	5.8	5	Dark grayish yellow	None	1.7	8.2	14.5	27.3	25.2	23.0	0.0	84.3	2.694	Sand	-6.9	82	160						
2012/05/04	Sunny	17.8	0.8	15.3	3	Dark grayish reddish yellow	None	0.0	0.5	0.5	55.2	35.5	8.4	0.0	84.3	2.66	Sand	-5.3	73	110						
2012/07/19	Sunny	28.0	0.3	22.1	1	Dark yellow	None	0.0	0.0	1.2	83.1	13.4	2.2	0.0	88.2	2.687	Sand	-4.6	64	100						
2012/10/02	Cloudy	19.8	0.2	19.2	3	Dark grayish reddish yellow	None	2.5	5.6	52.5	35.1	1.9	2.4	0.0	93.5	2.678	Sand	-4.3	44	66						
2012/10/31	Sunny	15.1	0.3	12.9	3	Dark grayish yellow	None	0.0	0.4	10.1	70.9	15.7	2.9	0.0	86.3	2.669	Sand	-6.2	130	240						
2012/12/26	Sunny	-3.9	0.1	0.6	2	Yellowish black	None	0.0	0.0	1.7	16.0	31.8	44.9	5.5	46.8	2.249	Sand	-11	79	120						
2013/01/24	Sunny	3.3	0.3	5.5	5	Dark grayish yellow	None	0.0	6.6	10.8	16.1	18.9	46.9	0.8	60.6	2.421	Sand	-9.3	250	450						
2012/05/04	Rain	16.6	1.8	15.0	3	Dark grayish yellow red	None	0.0	0.2	0.0	26.1	49.4	24.2	0.0	74.0	2.615	Sand	-8.6	64	99						
2012/07/19	Sunny	29.0	1.5	23.0	3	Very dark yellow	None	4.8	10.6	33.0	51.4	0.1	0.0	0.0	93.1	2.669	Sand	-4.8	100	140						
2012/09/25	Cloudy	21.4	0.3	20.3	2	Dark grayish reddish yellow	None	2.2	14.1	50.3	28.4	2.0	2.9	0.0	92.4	2.661	Sand	-6.6	160	280						
2012/10/31	Sunny	14.6	0.6	13.0	8	Dark grayish reddish yellow	None	15.7	23.0	55.2	5.8	0.3	0.1	0.0	94.2	2.658	Gravel/sand	-5.4	79	130						
2012/12/26	Sunny	-4.9	0.7	1.0	3	Dark grayish yellow	None	5.0	11.9	52.5	27.6	1.3	1.8	0.0	92.4	2.673	Sand	-5.9	140	280						
2013/01/23	Sunny	1.4	0.5	3.7	2	Dark grayish yellow	None	6.3	13.5	76.3	2.3	0.4	1.2	0.0	89.2	2.656	Gravel/sand	-8.6	220	390						
2012/05/01	Cloudy	18.5	0.2	18.2	2	Dark grayish reddish yellow	None	0.0	2.0	6.8	81.0	7.0	3.2	0.0	85.5	2.593	Sand	-13	820	1,200						
2012/05/10	Cloudy	15.0	0.2	15.0	15	Dark grayish reddish yellow	None	0.0	0.1	0.0	44.0	51.7	4.3	0.0	80.6	2.647	Sand	-8.3	260	380						
2012/06/07	Cloudy	28.0	0.2	21.8	1	Very dark reddish yellow	None	0.0	3.1	11.2	81.9	3.2	0.6	0.0	92.2	2.642	Sand	-7.1	280	410						
2012/07/20	Cloudy	21.0	0.6	17.2	2	Very dark yellow	None	22.2	14.5	18.1	29.5	10.7	4.9	0.0	89.8	2.668	Sand	-7.1	240	370						
2012/08/07	Sunny	31.1	0.3	28.0	10	Grayish yellow	Mud	3.7	43.4	16.9	9.3	9.4	17.2	0.1	88.9	2.645	Sand/mud	-5.6	110	180						
2012/08/29	Sunny	33.0	0.6	28.0	2	Dark grayish yellow red	None	4.2	28.7	25.2	34.6	2.2	5.0	0.1	94.7	2.694	Sand/gravel	-4.7	69	120						
2012/10/02	Cloudy	20.0	0.4	20.9	2	Yellow reddish black	None	5.4	13.8	11.0	45.1	18.3	6.4	0.0	91.2	2.715	Sand	-7.5	300	520						
2012/10/31	Sunny	14.2	0.2	15.4	7	Grayish yellow	None	10.2	29.5	45.5	13.5	1.0	0.7	0.0	92.5	2.639	Sand	-5.5	120	210						
2012/12/07	Sunny	5.5	0.2	6.1	8	Dark grayish reddish yellow	None	0.0	2.4	46.0	47.3	3.4	1.0	0.0	88.8	2.744	Sand	-5.9	130	230						
2013/01/09	Cloudy	0.9	0.3	2.9	5	Dark grayish yellow red	None	12.1	16.0	3.3	64.9	2.2	1.4	0.0	90.0	2.657	Gravel/sand	-5.4	100	190						
2013/01/29	Sunny	-0.1	0.3	2.3	3	Dark grayish reddish yellow	None	8.1	7.6	4.2	73.8	3.0	3.3	0.0	87.1	2.662	Sand	-7.0	150	270						
2013/02/19	Cloudy	0.7	0.3	2.2	2	Dark grayish reddish yellow	None	5.5	12.9	34.0	40.4	2.9	4.3	0.0	86.1	2.649	Sand	-6.4	190	360						
2012/05/01	Cloudy	20.5	0.2	18.9	2	Dark grayish greenish yellow	Sludge	19.6	21.8	6.1	26.9	15.4	10.1	0.0	74.5	2.656	Silt	-20	2,500	3,500						
2012/05/09	Cloudy	22.0	0.4	17.0	3	Dark grayish yellow	None	18.1	16.5	45.8	17.6	1.2	0.8	0.0	93.3	2.756	Sand	-4.8	62	86						
2012/06/07	Sunny	22.2	0.2	18.9	3	Dark yellow	None	13.0	33.6	6.0	36.4	8.7	2.3	0.0	93.5	2.685	Sand/gravel	-4.6	69	100						
2012/07/20	Cloudy	21.0	0.6	17.5	3	Very dark greenish yellow	None	0.0	0.1	4.9	44.5	37.2	13.3	0.0	83.8	2.62	Sand	-12	550	860						
2012/08/07	Sunny	29.5	0.2	26.5	5	Dark grayish yellow	None	3.1	32.5	27.3	27.4	5.8	3.9	0.0	93.0	2.67	Sand/gravel	-5.3	99	170						
2012/08/27	Sunny	29.5	0.1	27.9	5	Reddish yellowish black	Sewage	2.4	19.8	7.4	16.4	36.7	17.3	0.1	83.3	2.702	Silt/gravel	-16	1,300	2,100						
2012/10/16	Sunny	18.4	0.4	17.5	3	Greenish yellowish black	None	0.0	3.5	17.7	65.1	10.1	3.5	0.0	89.9	2.651	Sand	-6.6	220	390						
2012/11/14	Sunny	13.5	0.3	13.8	5	Dark grayish yellow red	Faint seaweed	9.5	35.0	0.0	29.3	21.2	5.0	0.0	89.4	2.682	Sand	-6.8	150	250						
2012/12/07	Sunny	2.5	0.2	6.1	2	Dark grayish reddish yellow	None	1.9	5.2	0.5	30.6	46.9	14.9	0.0	71.2	2.679	Sand/silt	-17	1,700	3,000						
2013/01/10	Cloudy	-1.8	0.3	3.7	3	Dark grayish reddish yellow	None	2.0	3.9	1.0	80.7	10.0	2.4	0.0	84.2	2.669	Sand	-7.8	270	470						
2013/02/01	Sunny	-3.8	0.2	1.5	3	Dark grayish reddish yellow	None	9.0	4.0	0.4	46.1	22.0	18.5	0.0	70.8	2.65	Sand	-15	980	1,900						
2013/02/28	Sunny	7.3	0.1	6.3	3	Dark grayish reddish yellow	None	11.2	21.6	29.2	25.0	8.6	4.4	0.0	87.8	2.763	Sand	-6.0	180	340						

Table 4.3.1.2(2) Fukushima Pref. (Nakadori Area) River (Sediment)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment													Radioactive material concentrations (Bq/kg dried mud)			Remarks		
No.	Point	Municipality	General items							Mechanical composition %						Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium						
			Mud temperature °C					Mud sampling depth cm	Color	Odor	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand					Silt	Clay	Cs-134	Cs-137			
73	After the confluence with Ishimurogawa River	Koriyama City	2012/05/04	Cloudy	16.0	0.3	11.9	2	Dark grayish reddish yellow	None	1.2	0.1	33.9	57.1	6.2	1.5	0.0	89.3	2.765	Sand	-4.8	39	57			
			2012/07/18	Cloudy	25.5	0.2	20.4	3	Yellowish black	None	0.9	2.8	12.7	72.3	6.0	5.3	0.0	89.4	2.662	Sand	-4.4	29	45			
			2012/10/02	Cloudy	19.5	0.3	17.5	6	Dark grayish reddish yellow	None	0.0	2.6	57.9	35.7	1.3	2.4	0.0	93.0	2.667	Sand	-3.9	16	34			
			2012/10/31	Sunny	12.6	0.3	10.5	3	Dark grayish reddish yellow	None	5.2	13.6	20.5	48.1	10.4	2.3	0.0	85.5	2.678	Sand	-5.1	44	72			
			2012/12/26	Sunny	-1.5	0.4	1.0	5	Dark grayish reddish yellow	None	12.2	13.1	22.3	34.1	11.8	6.5	0.0	83.5	2.688	Gravel/sand	-5.1	61	97			
			2013/01/23	Sunny	-0.6	0.4	1.4	5	Dark grayish reddish yellow	None	1.6	8.8	64.9	5.2	5.5	13.9	0.1	91.9	2.639	Sand	-4.0	21	42			
	74	Kamiesckishitabashi Bridge	Gohyakugawa River	2012/05/06	Sunny	18.3	0.4	12.0	1	Dark grayish reddish yellow	None	0.0	0.0	0.0	12.6	53.8	33.5	0.2	70.1	2.582	Sand	-8.4	250	140		
				2012/07/18	Cloudy	29.0	1.2	22.5	1	Very dark yellow green	Sludge	0.0	0.0	0.0	52.9	36.8	9.5	0.0	82.3	2.623	Sand	-7.5	180	270		
				2012/10/02	Cloudy	19.7	1.0	19.0	7	Dark grayish yellow	Sludge	2.3	3.8	29.1	42.0	12.5	10.3	0.0	82.9	2.638	Sand	-11	680	1,100		
				2012/10/29	Sunny	15.6	0.8	14.0	5	Reddish yellowish dark gray	Faint sludge	0.0	2.7	7.1	59.2	27.1	3.9	0.0	81.2	2.665	Sand	-11	630	1,100		
				2012/12/21	Cloudy	0.3	0.3	2.5	5	Yellowish dark gray	Sludge	0.0	2.3	1.1	44.1	42.1	10.4	0.0	74.5	2.676	Silt	-7.2	210	380		
				2013/01/23	Sunny	1.8	0.5	4.5	5	Reddish yellowish dark gray	Sludge	4.5	5.5	26.2	23.0	25.7	14.9	0.0	76.3	2.572	Silt	-13	830	1,500		
	75	Before the confluence with Abukumagawa River	Motomiya City	2012/05/01	Sunny	20.2	0.3	16.8	3	Dark grayish reddish yellow	None	0.7	2.4	15.8	69.6	6.6	4.9	0.0	82.5	2.652	Sand	-8.9	390	570		
				2012/05/09	Cloudy	21.0	0.5	16.0	3	Dark grayish yellow green	None	0.5	19.7	1.6	43.8	27.2	7.1	0.0	90.2	2.628	Sand	-8.0	81	120		
				2012/06/07	Sunny	24.0	0.3	20.0	2	Very dark reddish yellow	Putrescence	0.4	1.4	11.2	69.8	12.7	4.4	0.0	88.8	2.659	Sand	-7.5	230	350		
				2012/07/18	Cloudy	30.0	0.2	23.8	1	Dark yellow	None	1.1	9.3	73.9	11.7	1.6	2.5	0.0	93.5	2.654	Sand	-4.6	33	56		
				2012/08/07	Sunny	30.2	0.2	26.8	6	Yellowish dark gray	None	3.0	31.0	33.1	26.8	2.3	3.8	0.0	93.5	2.688	Sand	-4.5	45	66		
				2012/08/29	Sunny	31.5	0.3	28.4	2	Dark grayish yellow	Sludge	8.5	21.7	24.9	26.3	11.1	7.5	0.0	87.2	2.675	Sand/gravel	-6.4	170	300		
				2012/10/03	Cloudy	20.0	0.2	18.3	3	Dark grayish yellow	Faint seaweed	1.9	2.6	4.5	71.2	15.5	4.3	0.0	89.7	2.633	Sand	-8.1	120	210		
				2012/10/29	Sunny	13.8	0.2	13.2	3	Grayish reddish yellow	None	5.2	16.8	22.5	52.9	0.8	1.9	0.0	93.2	2.641	Sand	-5.6	39	75		
				2012/12/21	Sunny	0.3	0.2	2.1	3	Dark grayish reddish yellow	None	3.1	27.2	45.7	19.4	1.8	2.9	0.0	91.0	2.674	Sand	-4.9	57	110		
2013/01/17				Cloudy	-2.0	0.2	3.3	3	Dark grayish reddish yellow	None	14.1	25.3	45.1	12.9	1.0	1.7	0.0	88.3	2.678	Gravel/sand	-4.6	50	87			
2013/02/08				Snow	-2.1	0.2	2.6	2	Dark grayish reddish yellow	None	2.2	16.4	32.2	41.0	3.9	4.2	0.0	91.3	2.705	Sand	-4.5	50	100			
2013/03/01				Cloudy	4.6	0.3	4.6	7	Grayish reddish yellow	None	1.0	18.7	72.4	7.3	0.0	0.6	0.0	91.4	2.658	Sand	-4.6	35	64			
76	Abukumagawa River	Takadabashi Bridge	2012/05/01	Sunny	21.2	0.5	17.2	5	Dark grayish yellow green	Sludge	0.0	0.6	4.0	40.2	24.1	31.1	0.0	75.7	2.652	Silt	-16	1,300	1,900			
			2012/05/09	Cloudy	22.0	0.7	16.0	3	Dark grayish reddish yellow	None	0.0	0.0	2.4	43.7	32.6	21.2	0.0	74.9	2.624	Mud/sand	-13	740	1,100			
			2012/06/06	Cloudy	24.0	1.8	20.1	2	Very dark purple blue	Sludge	0.2	1.5	0.9	46.4	32.1	18.8	0.0	77.2	2.668	Sand	-14	860	1,300			
			2012/07/09	Sunny	29.0	1.5	21.7	10	Very dark yellow	None	0.0	1.2	5.0	54.0	22.3	17.5	0.0	79.2	2.647	Sand	-11	510	770			
			2012/08/08	Cloudy	24.1	0.6	25.8	10	Yellowish dark gray	Faint sludge	0.0	0.0	1.9	57.2	34.3	6.5	0.0	80.3	2.703	Sand	-7.7	270	450			
			2012/08/29	Sunny	34.0	0.3	29.0	10	Reddish yellowish black	Faint sewage	0.0	2.7	1.9	45.1	32.4	17.9	0.0	76.2	2.702	Sand/mud	-9.6	490	770			
			2012/10/18	Cloudy	19.0	1.0	16.1	3	Soft yellow	None	0.0	0.1	3.1	66.0	23.5	7.2	0.0	83.3	2.631	Sand	-6.6	180	310			
			2012/11/14	Sunny	9.0	1.5	11.3	3	Grayish reddish yellow	None	13.8	10.8	7.9	56.8	6.2	4.5	0.0	87.4	2.69	Sand	-5.1	98	170			
			2012/12/20	Sunny	1.3	2.3	2.9	5	Dark grayish yellow red	Faint seaweed	0.0	6.6	0.4	55.1	28.6	9.3	0.0	81.5	2.649	Sand	-7.5	280	490			
			2013/01/10	Sunny	-0.6	2.0	1.8	5	Dark grayish reddish yellow	None	14.3	23.2	2.1	48.1	6.8	5.5	0.0	87.9	2.676	Sand	-4.9	90	160			
			2013/02/07	Sunny	9.1	1.5	4.1	3	Dark grayish reddish yellow	Faint seaweed	7.1	16.3	55.5	17.9	1.5	1.8	0.0	89.0	2.663	Sand	-5.1	98	170			
			2013/02/28	Sunny	5.5	1.0	3.9	5	Dark grayish yellow	Faint sludge	4.9	31.3	1.3	18.0	31.7	12.9	0.0	85.9	2.662	Sand	-8.7	350	620			
			77	Kuchibutogawa River	Kuchibutogawahashi Bridge	2012/05/06	Sunny	26.9	0.3	13.0	5	Reddish yellowish dark gray	None	0.6	6.6	20.5	54.0	11.2	7.2	0.0	90.1	2.724	Sand	-11	470	690
						2012/07/09	Cloudy	23.0	0.5	18.5	10	Very dark reddish yellow	None	0.0	0.0	1.5	74.4	15.5	8.8	0.0	86.8	2.771	Sand	-11	610	960
						2012/10/04	Rain	16.3	0.3	14.9	5	Dark grayish reddish yellow	None	11.1	0.8	4.1	51.3	21.8	10.9	0.0	86.9	2.682	Sand	-11	620	1,000
2012/10/30	Cloudy	14.8				0.6	9.4	3	Yellow reddish dark gray	None	11.0	1.9	3.5	57.4	15.7	10.4	0.0	91.3	2.824	Sand	-8.3	340	580			
2013/01/10	Sunny	0.7				0.5	1.5	5	Dark grayish yellow red	None	0.0	10.9	36.7	42.6	6.3	3.5	0.0	92.0	2.77	Sand	-7.0	280	510			
2013/02/01	Sunny	5.5				0.6	-0.1	10	Dark grayish reddish yellow	None	1.3	16.0	21.2	45.4	9.0	7.1	0.0	91.1	2.717	Sand	-7.5	270	510			

Table 4.3.1.2(2) Fukushima Pref. (Nakadori Area) River (Sediment)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment														Radioactive material concentrations (Bq/kg dried mud)			Remarks
No.	Point	Municipality	General items							Mechanical composition %							Radioactive iodine I-131	Radioactive cesium							
			Mud temperature °C					Mud sampling depth cm	Color	Odor	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt		Clay	Mud content %	Density g/cm ³	Property	Cs-134	Cs-137		
84	Sakawa River	Sukawabashi Bridge	2012/05/05	Cloudy	20.0	0.3	12.9	2	Soft reddish yellow	None	0.0	1.0	3.6	41.6	31.8	21.7	0.3	86.1	2.658	Sand	<5.4	86	130		
			2012/07/10	Sunny	33.0	0.5	19.5	10	Dark yellow red	None	0.8	9.8	26.9	55.6	4.1	2.8	0.0	83.0	2.625	Sand	<5.8	53	72		
			2012/10/03	Rain	17.0	0.4	16.8	5	Dark grayish reddish yellow	None	0.6	2.7	18.0	62.7	10.9	5.0	0.1	86.7	2.809	Sand	<4.6	31	51		
			2012/11/01	Cloudy	5.8	0.5	9.4	3	Dark grayish reddish yellow	None	3.3	46.7	32.8	11.2	3.7	2.2	0.0	83.4	2.635	Sand	<6.0	22	52		
			2012/12/20	Snow	2.1	0.2	4.7	3	Dark grayish reddish yellow	None	25.2	54.5	12.1	5.6	1.4	1.3	0.0	86.6	2.651	Gravel	<5.2	50	82		
			2013/02/13	Cloudy	0.7	0.4	6.2	5	Dark yellow red	None	10.6	37.6	17.1	28.3	3.3	3.0	0.0	83.4	2.656	Gravel	<4.9	32	52		
			2012/04/30	Cloudy	24.1	0.2	14.7	3	Dark grayish yellow	None	0.0	0.0	0.9	58.6	30.9	9.7	0.0	84.2	2.65	Sand	<9.7	400	590		
			2012/05/08	Cloudy	20.5	0.4	16.0	3	Dark grayish yellow green	None	4.9	11.1	29.8	45.3	6.6	2.2	0.0	90.4	2.606	Sand	<5.2	59	83		
			2012/06/06	Cloudy	21.8	0.3	17.4	2	Very dark yellow red	None	0.0	0.5	6.7	88.3	4.3	0.0	0.0	86.2	2.631	Sand	<7.7	300	460		
			2012/07/12	Rain	26.0	0.5	17.9	10	Dark reddish yellow	None	5.5	4.6	7.7	69.5	8.4	4.4	0.0	87.9	2.589	Sand	<4.9	43	76		
2012/08/08	Cloudy	26.2	0.4	24.4	10	Reddish yellowish dark gray	None	7.4	14.9	16.3	66.3	5.1	0.0	0.0	90.8	2.59	Sand	<5.7	100	180					
2012/08/28	Sunny	36.0	0.3	27.8	2	Dark grayish reddish yellow	None	5.9	25.1	33.1	30.9	1.8	3.1	0.0	88.4	2.634	Sand/gravel	<4.9	87	150					
2012/10/18	Cloudy	19.0	0.5	16.6	4	Dull yellow red	None	11.9	13.8	11.0	54.8	7.3	1.3	0.0	91.5	2.75	Sand	<4.4	61	100					
2012/11/12	Cloudy	15.4	0.7	14.3	6	Grayish reddish yellow	None	0.0	1.8	7.8	87.1	3.2	0.1	0.0	88.1	2.755	Sand	<5.7	51	94					
2012/12/06	Cloudy	5.8	0.2	7.6	2	Dark grayish yellow red	None	6.9	48.5	19.2	17.3	6.3	1.8	0.0	90.8	2.697	Sand	<4.5	44	73					
2013/01/09	Snow	0.2	0.4	4.7	2	Dark grayish yellow red	None	8.4	31.3	45.9	14.2	0.2	0.0	0.0	89.3	2.707	Gravel/sand	<4.9	41	78					
2013/01/29	Sunny	5.8	0.5	7.0	5	Dark grayish reddish yellow	None	2.5	8.7	53.6	33.2	1.5	0.4	0.0	89.3	2.655	Sand	<5.0	80	140					
2013/02/17	Sunny	2.9	0.2	6.8	4	Grayish yellow	None	0.0	0.0	0.5	28.2	36.7	34.3	0.3	25.3	2.222	Silt	<5.3	3,400	6,100					
2012/04/30	Cloudy	21.0	0.5	9.7	3	Grayish reddish yellow	None	0.0	0.1	1.6	49.5	41.4	7.4	0.0	77.4	2.616	Sand	<18	1,600	2,400					
2012/05/08	Cloudy	23.0	0.3	15.0	3	Dark reddish yellow	None	4.2	6.9	2.1	74.4	11.9	0.6	0.0	91.2	2.702	Sand	<4.8	57	87					
2012/06/05	Cloudy	23.6	0.1	21.0	2	Dark yellow red	None	7.2	42.0	27.6	22.4	0.8	0.0	0.0	92.8	2.639	Sand/gravel	<5.9	130	200					
2012/07/11	Sunny	32.0	0.3	20.0	10	Very dark reddish yellow	None	1.5	13.2	49.0	33.8	2.4	0.1	0.0	91.1	2.654	Sand	<5.9	65	110					
2012/08/08	Cloudy	20.5	0.3	23.0	5	Dark grayish reddish yellow	None	4.2	43.6	26.1	17.6	5.4	3.1	0.1	89.9	2.572	Sand	<7.6	360	560					
2012/08/28	Cloudy	31.8	0.3	26.2	5	Dark grayish reddish yellow	None	1.2	10.8	10.2	40.7	26.5	10.6	0.0	82.7	2.536	Sand	<18	1,500	2,400					
2012/10/18	Cloudy	17.2	0.4	16.6	3	Soft reddish yellow	None	26.1	14.4	17.6	39.7	1.5	0.7	0.0	92.5	2.548	Sand	<4.5	52	93					
2012/11/12	Cloudy	12.6	0.2	12.1	2	Dark grayish yellow red	None	11.4	11.4	0.7	74.4	1.0	1.1	0.0	88.7	2.661	Gravel/sand	<5.4	63	110					
2012/12/17	Cloudy	6.7	0.4	7.0	2	Dark grayish yellow red	None	8.7	13.5	24.5	47.3	4.2	2.1	0.0	84.3	2.59	Sand	<12	560	1,000					
2013/01/09	Snow	1.1	0.9	4.1	5	Dark grayish reddish yellow	None	16.2	2.9	38.6	37.2	2.9	2.3	0.0	87.6	2.647	Sand	<14	1,200	2,300					
2013/02/06	Snow	-1.0	0.2	4.4	2	Dark grayish reddish yellow	Sludge	27.3	34.8	0.9	24.7	8.5	3.8	0.0	82.7	2.614	Gravel	<9.2	370	700					
2013/02/28	Cloudy	5.2	0.5	6.0	5	Dark grayish yellow	Faint sludge	0.0	0.0	1.8	61.5	29.0	7.7	0.0	76.6	2.645	Sand/silt	<18	1,500	2,800					
2012/05/05	Sunny	22.0	0.2	17.0	2	Dark yellow red	None	14.5	23.5	6.8	49.8	3.1	2.3	0.0	93.3	2.666	Sand/gravel	<7.4	250	370					
2012/07/11	Sunny	33.0	0.5	22.1	10	Very dark reddish yellow	None	16.5	57.5	24.2	1.9	0.0	0.0	0.0	93.2	2.62	Sand/gravel	<6.0	200	320					
2012/10/03	Cloudy	18.8	0.5	18.2	4	Dark grayish reddish yellow	None	0.4	4.6	27.0	48.6	9.9	9.6	0.0	85.9	2.606	Sand	<17	1,600	2,700					
2012/10/31	Cloudy	17.6	0.3	14.0	5	Dark grayish reddish yellow	None	0.0	33.6	43.2	22.0	1.1	0.2	0.0	92.8	2.653	Sand	<7.0	220	390					
2012/12/27	Sunny	3.3	0.4	3.0	1	Dark grayish yellow	None	7.1	28.0	42.0	18.7	1.6	2.6	0.0	90.6	2.657	Sand/gravel	<7.4	270	480					
2013/02/25	Cloudy	-1.0	0.4	2.6	1	Dark grayish reddish yellow	None	15.8	21.4	46.9	12.1	2.0	1.8	0.0	88.2	2.646	Sand	<11	710	1,300					
2012/05/05	Sunny	21.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to increased water level			
2012/07/05	Cloudy	24.3	0.3	18.7	5	Light grayish reddish yellow	None	0.1	3.2	21.6	59.3	11.8	3.9	0.0	85.5	2.544	Sand	<7.0	240	390					
2012/09/13	Sunny	28.0	0.3	21.0	5	Grayish yellow	Moss	0.8	1.2	40.9	46.5	5.1	5.2	0.0	86.8	2.538	Sand	<6.8	140	260					
2012/10/31	Cloudy	16.7	0.5	12.2	10	Reddish yellowish white	None	0.0	0.4	22.8	64.0	9.0	4.0	0.0	87.1	2.618	Sand	<5.5	60	110					
2012/12/27	Sunny	1.4	0.5	5.5	5	Dark grayish greenish yellow	None	0.0	1.0	5.2	75.3	14.6	3.9	0.0	84.9	2.58	Sand	<7.0	150	280					
2013/02/13	Cloudy	0.6	0.3	4.8	3	Grayish reddish yellow	None	0.0	0.0	1.5	57.2	32.8	8.5	0.0	72.3	2.514	Sand	<8.5	220	400					

Table 4.3.1.2 (2) Fukushima Pref. (Nakadori Area) River (Sediment)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment														Radioactive material concentrations (Bq/kg dried mat)			Remarks
No.	Point		Municipality					General items							Mechanical composition %							Radioactive iodine I-131	Radioactive cesium		
								Mud temperature °C	Mud sampling depth cm	Color	Odor	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Mud content %	Density g/cm ³	Property		Cs-134	Cs-137	
R i v e r s	94	Hirosegawa River	Before the confluence with Abukumagawa River	Dateishi City	2012/04/29	Sunny	31.5	0.3	19.1	3	Dark grayish reddish yellow	None	0.8	11.5	13.6	46.6	21.4	6.1	0.0	86.9	2.659	Sand	-12	1,100	1,600
					2012/05/08	Sunny	22.7	0.2	16.0	3	Yellowish black	None	0.0	0.0	0.0	2.3	25.0	72.6	0.1	44.1	2.424	Mud	-50	8,000	12,000
					2012/06/05	Cloudy	25.5	0.2	20.7	2	Dull reddish yellow	None	8.7	22.3	16.6	46.6	4.1	1.6	0.0	94.1	2.66	Sand/gravel	-6.7	260	390
					2012/07/11	Sunny	33.0	0.2	21.2	10	Dark reddish yellow	None	0.0	3.7	40.9	36.2	11.3	7.9	0.0	93.5	2.651	Sand	-7.9	260	390
					2012/08/09	Sunny	26.0	0.2	28.0	15	Grayish reddish yellow	None	5.4	38.1	23.7	31.2	1.3	0.3	0.0	94.8	2.657	Sand	-6.2	170	260
					2012/08/28	Cloudy	32.0	0.2	26.2	9	Light grayish reddish yellow	None	0.8	4.0	60.2	30.5	2.6	1.9	0.0	93.0	2.628	Sand	-7.7	250	390
					2012/10/18	Cloudy	17.0	0.6	16.0	5	Dull reddish yellow	None	3.6	40.4	22.8	17.3	9.7	6.2	0.0	91.6	2.659	Sand	-7.4	260	460
					2012/11/13	Cloudy	12.1	0.3	13.2	2	Dark grayish yellow red	None	13.9	13.8	12.9	34.4	16.9	8.1	0.0	86.4	2.649	Gravel/sand	-7.6	320	570
					2012/12/06	Cloudy	7.4	0.7	6.2	10	Dark grayish reddish yellow	None	3.3	43.2	40.6	11.3	0.9	0.6	0.0	93.9	2.654	Sand	-5.4	110	190
					2012/12/27	Cloudy	-1.8	0.2	3.7	5	Dark grayish yellow	None	16.0	27.8	45.5	7.7	1.7	1.2	0.0	91.5	2.694	Sand	-6.2	210	380
					2013/01/14	Snow	0.9	0.2	1.4	5	Dark grayish reddish yellow	None	17.5	24.2	8.6	43.9	2.8	3.0	0.0	91.3	2.677	Sand	-6.7	220	390
					2013/02/13	Cloudy	6.0	0.3	4.8	10	Dark grayish reddish yellow	None	21.9	20.2	32.7	23.8	1.2	0.2	0.0	92.9	2.668	Sand	-6.1	150	290
					2012/05/21	Cloudy	21.9	0.5	19.1	3	Dark reddish yellow	None	13.2	42.5	19.0	19.8	3.0	2.4	0.0	92.1	2.694	Gravel/sand	-4.5	31	51
					2012/07/23	Sunny	23.0	0.3	21.6	2	Very dark yellow red	None	19.5	24.6	3.7	33.3	13.4	5.5	0.0	85.0	2.789	Sand	-5.9	74	120
	2012/08/20	Sunny	24.0	0.3	23.0	2	Greenish yellowish dark gray	None	4.4	18.1	26.1	39.9	6.3	5.2	0.0	89.5	2.699	Sand	-5.6	57	81				
	2012/10/30	Sunny	18.5	0.3	14.5	2	Dark grayish reddish yellow	None	2.3	26.7	52.5	17.1	0.4	1.0	0.0	90.4	3.045	Sand	-5.1	26	47				
	2012/12/21	Cloudy	3.3	0.4	4.0	2	Dark grayish reddish yellow	None	0.0	12.6	12.4	52.7	15.2	7.1	0.0	84.0	2.691	Sand	-6.3	73	140				
	2013/01/24	Sunny	0.7	0.2	3.7	8	Yellowish black	None	16.4	42.9	34.5	5.5	0.1	0.6	0.0	93.4	2.773	Gravel/sand	-3.6	17	39				
	96	Kujigawa River	Matsukabashi Bridge	Tanaguramachi Town	2012/05/23	Cloudy	17.8	0.2	14.3	5	Reddish yellowish dark gray	None	0.0	0.5	4.1	71.8	18.3	5.2	0.0	88.6	2.677	Sand	-4.7	26	37
					2012/07/23	Sunny	26.1	0.5	22.0	3	Dull reddish yellow	None	0.0	3.4	30.0	56.0	6.7	3.9	0.0	94.3	2.707	Sand	-4.1	14	17
					2012/08/20	Sunny	32.5	0.2	25.6	3	Yellowish black	None	1.0	18.8	51.4	23.4	2.7	2.7	0.0	94.8	2.679	Sand/gravel	-4.1	17	25
					2012/11/19	Cloudy, then rain	4.4	0.4	7.7	5	Yellowish black	None	7.3	41.4	39.9	9.8	0.7	0.8	0.0	95.7	2.679	Gravel/sand	-3.3	-5.9	12
					2012/12/20	Sunny	2.2	0.4	4.8	5	Yellow reddish black	None	6.0	23.0	52.3	16.5	0.9	1.4	0.0	94.7	2.663	Gravel/sand	-3.8	12	27
					2013/01/14	Snow	-0.3	0.7	-0.1	3	Yellow reddish black	None	5.0	15.4	21.6	46.8	8.8	2.3	0.0	90.3	2.701	Sand	-3.6	14	29
					2012/05/21	Sunny	19.5	0.3	18.3	5	Dark grayish reddish yellow	None	5.7	21.4	52.1	20.0	0.7	0.0	0.0	95.9	2.664	Sand	-3.5	6	13
	2012/07/23	Sunny	27.0	0.4	22.3	4	Dull yellow	None	1.0	28.6	64.8	4.9	0.0	0.7	0.0	96.3	2.666	Sand	-3.4	8.6	14				
	2012/08/20	Sunny	31.0	0.5	27.7	6	Yellowish black	None	0.0	4.1	73.5	22.2	0.3	0.0	0.0	95.1	2.691	Sand	-3.5	11	13				
	2012/11/19	Rain	6.1	0.4	7.6	3	Dark grayish reddish yellow	None	0.0	7.3	64.6	27.2	0.7	0.2	0.0	94.3	2.678	Sand	-4.6	9.6	16				
2012/12/21	Sunny	4.1	0.6	2.6	5	Dark grayish reddish yellow	None	1.4	15.2	57.7	24.1	1.3	0.4	0.0	93.9	2.635	Sand	-3.5	-6.0	18					
2013/01/14	Snow	0.8	0.8	2.0	5	Dark grayish yellow red	None	3.8	31.6	59.2	3.8	1.3	0.3	0.0	95.3	2.672	Gravel/sand	-4.1	-6.3	8.9					

Table 4.3.1.2 (3) Fukushima Pref. (Aizu Area) River (Sediment)

Sampling point			Sampling date	Weather	Air temperature C	Full depth m	Sediment															Remarks		
							General items										Radioactive material concentration (Bq/kg dried mud)							
No.	Point	Municipality					Mud temperature C	Mud sampling depth cm	Color	Odor	Mechanical composition %						Mud content %	Density g/cm ³	Property	Radioactive cesium				
											Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt				Clay	Radioactive iodine I-131	Co-134	Co-137	
98	Tajimabashi Bridge	Minamiaizumachi Town	2012/05/24	Sunny	25.2	0.2	18.1	3	Dark grayish reddish yellow	None	7.5	30.2	47.9	14.4	0.0	0.0	0.0	90.8	2.627	Sand/gravel	<4.3	<5.8	13	
			2012/07/25	Cloudy	24.5	0.5	18.9	3	Dull reddish yellow	None	8.9	38.0	46.7	5.4	0.1	0.9	0.0	92.2	2.61	Sand	<3.8	<6.1	5.1	
			2012/08/21	Sunny	32.0	0.3	28.3	2	Dark grayish reddish yellow	None	7.6	17.3	38.4	27.8	3.7	5.2	0.0	83.5	2.548	Sand	<4.0	20	30	
			2012/11/11	Cloudy	11.3	0.2	10.5	3	Dark grayish reddish yellow	Seaweed	9.6	62.5	26.0	0.9	0.3	0.6	0.0	90.3	2.625	Gravel/sand	<3.5	<5.9	<4.8	
			2012/12/26	Snow	-5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
99	Okawabashi Bridge		2013/02/20	Cloudy	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			2012/05/24	Cloudy	28.2	1.5	15.3	3	Dark grayish reddish yellow	None	12.8	31.0	16.1	34.1	3.3	2.7	0.0	91.9	2.699	Sand/gravel	<3.9	11	15	
			2012/07/26	Cloudy	29.0	1.3	21.0	1	Dark gray	None	19.1	62.3	17.4	0.5	0.1	0.5	0.0	96.4	2.701	Sand/gravel	<3.7	<6.2	<4.1	
			2012/08/21	Sunny	34.0	0.9	23.0	2	Yellow reddish dark gray	Faint seaweed	49.9	44.9	4.8	0.0	0.1	0.2	0.0	93.6	2.714	Gravel	<3.9	<6.1	<4.8	
			2012/11/01	Sunny	16.3	0.3	13.9	2	Dark grayish yellow	Putrescence	22.2	72.8	2.0	0.7	0.7	1.6	0.1	92.9	2.71	Gravel	<4.4	<7.6	<5.5	
100	Takimabashi Bridge		2012/12/26	Snow	-4.7	0.5	3.1	1	Dark grayish reddish yellow	None	64.2	35.1	0.6	0.1	0.0	0.0	96.3	2.689	Gravel	<3.7	<5.4	8.4		
			2013/02/20	Sunny	-6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
			2012/05/24	Sunny	27.2	0.7	14.8	3	Dark grayish yellow red	None	0.9	7.7	10.2	58.7	18.2	4.3	0.0	83.9	2.66	Sand	<5.9	110	180	
			2012/07/26	Sunny	29.0	0.6	19.9	2	Very dark reddish yellow	None	0.0	15.4	52.2	20.4	4.7	7.1	0.2	89.2	2.633	Sand	<5.9	43	77	
			2012/08/21	Sunny	31.0	0.7	21.5	1	Dark yellow	Seaweed	19.2	19.1	6.4	29.7	16.8	8.7	0.2	80.0	2.61	Sand	<5.4	81	130	
101	Yakawa River	Shinyakawabashi Bridge	2012/10/30	Sunny	16.7	0.4	13.0	3	Dark grayish reddish yellow	None	1.1	14.5	51.9	19.0	5.2	8.1	0.2	85.4	2.661	Sand	<5.5	44	79	
			2012/12/27	Sunny	-0.2	0.6	2.9	3	Dark grayish yellow	None	8.3	45.7	20.7	14.8	5.1	5.4	0.0	87.1	2.621	Gravel	<5.1	47	77	
			2013/02/18	Snow	-1.7	0.3	2.3	1	Dark grayish reddish yellow	None	19.3	33.7	31.9	12.0	1.5	1.7	0.0	86.8	2.68	Gravel/sand	<4.6	41	70	
			2012/05/24	Sunny	28.2	0.4	18.1	3	Dark grayish yellow red	None	0.0	0.2	5.6	76.0	10.2	7.9	0.0	82.2	2.645	Silt/sand	<7.7	260	380	
			2012/07/24	Cloudy	24.8	0.2	20.2	1	Very dark reddish yellow	None	0.0	0.7	22.0	51.8	16.3	9.3	0.0	85.6	2.629	Sand	<6.4	150	240	
102	Before the confluence with Agagawa River		2012/08/22	Sunny	29.0	0.2	23.4	2	Dark grayish reddish yellow	None	2.2	2.1	8.3	71.1	8.8	7.6	0.0	83.1	2.613	Sand	<5.8	140	210	
			2012/11/02	Rain	5.7	0.2	10.4	2	Dark grayish yellow	None	2.8	19.2	8.5	45.1	16.2	8.2	0.0	84.4	2.702	Sand/gravel	<5.5	150	260	
			2012/12/27	Sunny	-1.7	0.5	4.0	4	Dark grayish yellow	Sludge	22.2	20.9	6.3	36.4	10.8	3.4	0.0	83.1	2.651	Gravel/sand	<5.4	86	150	
			2013/02/18	Snow	-2.1	0.2	4.2	1	Dark grayish reddish yellow	Faint mud	18.3	36.7	43.1	1.3	0.8	0.0	0.0	89.4	2.682	Gravel/sand	<4.1	39	65	
			2012/05/24	Sunny	29.0	0.7	18.5	3	Yellow reddish dark gray	None	6.5	34.4	49.3	8.9	0.5	0.4	0.0	93.1	2.634	Sand/gravel	<5.5	50	82	
103	Miyakawa River	Saikunabashi Bridge	2012/07/24	Sunny	25.0	0.3	22.0	1	Very dark reddish yellow	None	3.3	2.0	9.2	61.6	13.9	10.1	0.1	83.2	2.646	Sand	<6.1	150	250	
			2012/08/22	Sunny	29.5	0.3	23.0	2	Dark grayish reddish yellow	None	5.2	2.5	3.2	55.2	28.3	5.5	0.0	83.2	2.691	Sand	<4.8	<6.2	<5.3	
			2012/11/01	Cloudy	13.3	0.2	14.7	2	Dark grayish yellow	Faint fish and shellfish	0.0	3.7	25.8	51.6	11.0	7.9	0.0	81.1	2.68	Sand	<6.6	160	280	
			2012/12/27	Sunny	-0.6	0.3	4.1	3	Dark grayish yellow	Seaweed	5.5	25.9	61.1	5.5	1.1	1.0	0.0	89.9	2.643	Gravel	<4.6	53	100	
			2013/02/22	Sunny	-2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
104	Agagawa River	Miyakobashi Bridge	2012/05/23	Sunny	23.2	0.2	18.0	3	Yellow reddish dark gray	None	13.1	32.6	0.2	23.8	22.4	7.9	0.0	88.4	2.647	Silt/sand	<5.1	83	120	
			2012/07/24	Cloudy	28.0	0.7	19.3	3	Very dark yellow	None	0.0	0.2	7.1	78.5	9.0	5.3	0.0	90.9	2.628	Sand	<4.7	47	86	
			2012/08/22	Sunny	34.0	0.6	20.9	3	Dark grayish yellow	None	0.0	0.1	9.4	79.7	9.7	1.0	0.0	86.4	2.632	Sand	<5.3	37	62	
			2012/11/01	Sunny	19.6	0.9	14.5	3	Dark grayish reddish yellow	Faint fish and shellfish	0.0	0.0	8.5	76.9	9.3	5.2	0.0	83.2	2.673	Sand	<4.6	46	76	
			2012/12/27	Snow	-1.1	0.3	2.8	2	Dark grayish yellow	Seaweed	19.9	33.9	13.4	20.4	7.0	5.4	0.0	93.1	2.632	Gravel	<3.4	13	37	
104	Agagawa River	Miyakobashi Bridge	2013/02/19	Cloudy	-1.8	0.6	6.8	3	Dark grayish yellow red	None	0.0	0.5	38.4	48.1	10.3	2.7	0.0	80.4	2.633	Sand	<4.5	60	110	
			2012/05/23	Sunny	23.2	0.5	16.4	3	Light reddish yellow	None	2.0	11.8	67.0	19.0	0.3	0.0	0.0	93.8	2.676	Sand	<4.2	<6.3	8.4	
			2012/07/24	Cloudy	28.0	1.5	22.6	3	Dark yellow	None	1.2	3.3	20.0	74.0	1.5	0.0	0.0	93.1	2.705	Sand	<4.2	<5.8	17	
			2012/08/22	Sunny	32.0	0.8	22.9	3	Very dark reddish yellow	None	1.8	4.5	21.2	59.4	9.2	4.0	0.0	90.0	2.642	Sand	<3.7	16	26	
			2012/11/01	Sunny	14.3	0.8	15.6	3	Dark reddish yellow	Faint putrescence	8.7	26.3	28.9	32.4	1.8	1.9	0.0	89.7	2.728	Sand	<3.4	<5.9	9.1	
104	Agagawa River	Miyakobashi Bridge	2012/12/27	Cloudy	-0.5	0.3	3.0	4	Dark grayish yellow	Faint seaweed	6.4	13.0	54.3	25.6	0.7	0.0	0.0	93.2	2.612	Sand	<3.8	6.0	9.2	
			2013/02/19	Cloudy	-1.2	1.0	4.2	2	Grayish reddish yellow	Faint seaweed	9.1	26.6	48.4	15.8	0.0	0.0	0.0	92.0	2.69	Sand	<3.6	<6.0	11	

Table 4.3.1.2 (3) Fukushima Pref. (Aizu Area) River (Sediment)

Sampling point			Sampling date	Weather	Air temperature C	Full depth m	Sediment																Remarks				
							General items											Radioactive material concentration (Bq/kg dried mud)									
No.	Point	Municipality					Mud temperature °C	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				
112	Aoyagibashi Bridge	Minamiazumachi Town	2012/05/30	Sunny	17.6	0.8	10.5	3	Reddish gray	None	0.0	0.0	1.1	81.2	16.8	0.9	0.0	90.3	2.645	Sand	<4.8	<7.8	<4.9				
			2012/07/25	Cloudy	18.7	0.5	18.7	3	Very pale yellow green	None	1.1	8.0	70.6	19.9	0.5	0.0	0.0	92.6	2.638	Sand	<3.8	<6.2	<4.6				
			2012/08/21	Sunny	32.0	0.4	25.5	3	Light grayish yellow	None	0.0	3.7	73.9	22.4	0.0	0.0	0.0	93.7	2.629	Sand	<4.0	<5.8	4.9				
			2012/11/12	Cloudy	12.6	0.4	10.1	1	Greenish yellowish light gray	None	4.4	21.3	61.0	13.3	0.0	0.0	0.0	94.7	2.645	Gravel/sand	<3.9	<5.1	<4.6				
			2012/12/26	Snow	-5.8	0.2	-0.2	1	Grayish greenish yellow	None	13.5	5.1	21.2	55.5	3.4	1.3	0.0	93.5	2.645	Sand	<4.3	<6.0	<4.8				
	113	Kurosawabashi Bridge	Fadaminachi Town	2013/02/20	Snow	-1.8	0.4	1.5	3	Grayish reddish yellow	None	5.3	13.0	75.7	7.8	0.1	0.0	0.0	94.9	2.651	Sand	<4.3	<6.7	<5.4			
				2012/05/30	Sunny	19.3	0.2	12.4	3	Reddish yellowish dark gray	None	0.0	0.0	0.0	16.4	48.2	35.3	0.1	82.4	2.684	Sand	<6.7	<8.0	<5.1			
				2012/07/25	Cloudy	27.0	0.6	22.8	3	Light yellow	Faint seaweed	0.0	0.1	9.3	80.2	10.0	0.3	0.0	91.1	2.681	Sand	<4.1	<7.2	<5.1			
				2012/08/21	Sunny	32.1	0.3	28.4	3	Reddish yellowish gray	None	0.0	0.2	16.1	80.6	2.3	0.8	0.0	91.0	2.667	Sand	<4.0	<5.9	<4.7			
				2012/11/12	Light rain	12.8	0.4	10.2	5	Yellowish light gray	None	0.0	0.0	0.9	48.1	44.6	6.4	0.0	84.5	2.673	Sand	<5.5	<8.8	<6.2			
				2013/01/10	Snow	-2.0	0.5	1.9	10	Dark grayish reddish yellow	None	0.0	0.0	7.5	74.7	13.8	3.9	0.0	83.8	2.59	Sand/silt	<4.9	<6.6	5.8			
				2013/02/20	Snow	-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground	
				2013/03/06	Sunny	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
				114	Nishitanihoshi Bridge	Kanayanamachi Town	2012/05/30	Sunny	21.8	0.3	9.5	2	Greenish yellowish dark gray	None	8.7	26.7	6.7	27.2	25.7	4.9	0.1	91.4	2.684	Sand	<3.9	<6.2	<4.3
							2012/07/25	Cloudy	26.0	1.0	14.7	3	Dull reddish yellow	None	5.8	15.6	28.5	35.9	5.9	8.1	0.1	85.6	2.661	Sand	<4.4	<7.3	<4.8
2012/08/21	Sunny	29.0	0.2				15.0	3	Grayish yellow green	None	1.7	1.8	14.0	68.3	9.3	4.9	0.0	85.0	2.669	Gravel	<4.2	<6.5	5.0				
2012/10/31	Cloudy	12.2	0.2				13.0	2	Grayish reddish yellow	None	3.0	18.7	24.4	37.6	5.1	10.9	0.3	86.2	2.665	Gravel/sand	<3.7	<5.9	7.3				
2013/01/09	Snow	1.1	0.4				3.3	5	Dark grayish yellow	None	15.3	8.5	4.5	21.2	30.6	20.0	0.0	81.3	2.657	Silt	<3.9	<6.7	7.6				
2013/01/31	Sunny	-2.9	0.3				4.3	2	Grayish yellow	None	15.4	63.7	17.1	2.7	0.3	0.8	0.0	91.7	2.669	Gravel/sand	<4.2	<5.8	<4.8				
115	Fujibashi Bridge	Aizubangemachi Town	2012/05/30				Sunny	18.8	0.4	10.0	3	Dark grayish yellow	None	4.2	7.6	0.0	31.8	37.5	19.0	0.0	84.6	2.697	Sand	<3.9	6.3	13	
			2012/07/27				Cloudy	27.0	1.0	17.2	2	Dark grayish reddish yellow	None	0.0	1.0	28.6	34.6	32.1	3.7	0.0	82.3	2.672	Sand	<4.0	<6.7	9.3	
			2012/08/22				Sunny	35.0	0.2	25.7	3	Dark grayish yellow	Faint sludge	0.0	0.8	0.5	38.1	44.9	15.5	0.1	75.3	2.519	Sand	<5.9	12	20	
			2012/10/05				Sunny, then rain	19.5	0.7	15.8	3	Dark grayish reddish yellow	None	4.2	9.0	1.2	33.0	30.3	21.4	0.3	74.7	2.647	Sand	<4.1	<6.3	12	
			2012/11/15	Rain	5.9	0.4	7.1	5	Grayish yellow	None	0.0	0.0	0.0	0.5	17.6	79.3	2.6	59.9	2.559	Silt	<7.4	76	150				
116	Agagawa River Shingo Dam	Kiiakatsuchi City	2012/12/25	Snow	1.2	0.2	3.2	4	Dark grayish yellow	None	0.0	0.0	0.0	2.1	23.2	74.6	0.2	62.2	2.603	Mud	<8.0	81	160				
			2013/02/19	Snow	-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground		
			2012/05/31	Sunny	20.7	1.0	11.3	2	Greenish yellowish dark gray	None	0.0	0.7	0.0	26.4	37.0	35.7	0.1	61.3	2.604	Silt	<9.4	220	320				
			2012/07/26	Sunny	33.0	2.0	20.6	3	Very dark greenish yellow	Sludge	8.0	4.9	0.0	11.3	19.5	53.8	2.4	66.2	2.629	Silt	<6.5	100	160				
			2012/08/22	Sunny	34.0	1.0	26.1	3	Yellowish dark gray	Faint sludge	3.9	3.4	0.0	17.9	25.9	48.4	0.4	70.6	2.635	Silt	<6.0	100	170				
			2012/10/31	Cloudy	15.5	2.6	13.4	3	Greenish yellowish dark gray	Mud	5.0	1.8	0.0	27.6	33.1	32.2	0.4	71.1	2.595	Gravel/silt	<5.9	63	120				
			2013/01/10	Snow	-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground		
			2013/01/31	Sunny	-1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground	
117	Sakawa River Sakawano	Inawashiroemachi Town	2012/05/31	Sunny	20.5	0.3	15.7	2	Deep reddish yellow	None	4.9	23.6	29.4	39.5	2.1	0.5	0.0	88.2	2.569	Sand/gravel	<5.5	22	39				
			2012/07/27	Sunny	29.0	0.6	19.9	3	Grayish yellow	None	0.0	1.8	23.4	60.6	8.6	5.6	0.0	84.2	2.5	Sand	<5.5	51	72				
			2012/08/23	Sunny	29.0	0.5	20.2	3	Grayish yellow	Sulfur	0.0	0.3	9.8	56.8	22.3	10.6	0.1	84.0	2.743	Sand/silt	<5.3	9.8	69				
			2012/10/05	Cloudy	27.0	1.0	17.1	3	Dark reddish yellow	None	10.7	25.7	27.5	28.1	4.5	3.4	0.0	89.4	2.588	Sand	<4.8	21	37				
			2012/10/24	Cloudy	7.0	0.5	11.0	3	Dark grayish reddish yellow	None	5.3	32.3	38.9	20.1	1.5	1.8	0.0	88.7	2.549	Sand	<4.3	15	24				
			2012/11/21	Sunny	0.3	0.3	5.8	5	Dark grayish reddish yellow	None	0.0	0.8	13.7	62.5	17.3	5.7	0.0	78.6	2.571	Sand	<5.6	83	130				
			2012/12/13	Snow	-1.0	0.5	3.8	4	Grayish reddish yellow	None	0.3	5.0	25.7	60.0	4.3	4.6	0.0	81.1	2.546	Sand	<5.0	29	57				
			2013/01/07	Sunny	-0.5	0.5	4.4	5	Dark grayish reddish yellow	None	21.1	40.4	25.3	11.2	1.1	0.9	0.0	91.0	2.68	Gravel/sand	<3.8	9.0	18				
			2013/01/29	Sunny	-2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground	
			2013/02/21	Cloudy	-5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground	

Table 4.3.1.2 (3) Fukushima Pref. (Aizu Area) River (Sediment)

Sampling point			Sampling date	Weather	Air temperature C	Full depth m	Sediment														Radioactive material concentration (Bq/kg dried mud)			Remarks		
							General items							Mechanical composition %												
No.	Point	Municipality	Mud temperature C	Mud sampling depth cm	Color	Odor	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137							
118	Nagasegawa River	Koganebashi Bridge	2012/05/31	Sunny	22.5	0.3	17.0	3	Very dark yellow red	None	11.3	16.9	7.2	44.5	17.9	2.2	0.0	91.8	2.732	Sand/gravel	<4.7	18	34			
			2012/07/27	Sunny	31.3	0.5	20.2	3	Very dark reddish yellow	None	0.5	7.3	1.0	36.3	40.5	14.3	0.1	75.7	2.573	Sand	<7.2	130	230			
			2012/08/23	Sunny	32.0	0.3	23.7	2	Deep yellow red	None	5.2	6.2	22.7	60.9	2.5	2.5	0.0	89.7	2.576	Sand	<4.1	24	47			
			2012/09/26	Sunny	25.4	0.2	17.1	1	Dark yellow red	None	1.1	12.3	48.0	33.0	2.8	2.9	0.0	91.3	2.618	Sand	<4.4	22	37			
			2012/10/25	Sunny	16.0	0.4	12.4	2	Dark yellow red	None	6.9	8.0	25.4	51.6	5.9	2.2	0.0	90.3	2.731	Sand	<4.9	30	48			
			2012/11/20	Rain	4.9	0.3	7.4	3	Light grayish yellow	None	0.0	1.2	0.3	37.0	47.3	14.1	0.0	75.2	2.638	Sand	<6.1	130	210			
			2012/12/13	Sunny	-2.5	0.4	4.2	2	Dark grayish yellow red	None	21.2	35.7	19.3	20.7	1.9	1.3	0.0	89.2	2.717	Gravel	<3.8	14	28			
			2013/01/09	Snow	0.3	0.6	2.7	15	Dark grayish reddish yellow	None	4.4	36.5	28.8	28.5	1.4	0.1	0.0	92.0	2.775	Gravel	<4.5	16	31			
			2013/01/29	Sunny	-1.8	0.5	1.2	3	Dark grayish reddish yellow	None	10.9	27.6	18.6	42.3	0.6	0.0	0.0	92.2	2.879	Sand	<3.8	16	39			
	2013/02/21	Cloudy	-4.8	0.2	0.3	5	Dark grayish reddish yellow	Faint sludge	0.0	0.8	6.7	53.4	25.0	13.8	0.3	82.2	2.659	Sand	<6.0	80	140					
	119	Takahashigawa River	Shinbashi Bridge	2012/06/21	Cloudy	19.0	0.4	15.0	2	Very dark yellow red	None	0.0	0.1	3.9	86.4	6.0	3.6	0.0	83.8	2.665	Sand	<6.4	70	120		
				2012/07/26	Sunny	27.0	0.1	23.7	2	Very dark reddish yellow	None	0.0	3.0	46.6	30.7	9.8	10.0	0.0	80.1	2.492	Sand	<5.8	12	14		
				2012/09/26	Sunny	25.6	0.2	17.8	2	Dark reddish yellow	None	0.0	3.3	7.9	69.0	13.4	6.2	0.0	80.5	2.696	Sand	<6.2	78	130		
				2012/11/05	Sunny	14.6	0.4	11.3	3	Dark grayish reddish yellow	None	4.2	3.5	11.7	67.0	10.7	2.9	0.0	90.2	2.881	Sand	<3.9	33	56		
				2013/01/09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
				2013/01/30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	120	Ogawagawa River	Umenobashi Bridge	2013/03/07	Sunny	7.1	0.8	5.2	3	Dark grayish reddish yellow	None	0.0	3.5	2.1	52.2	29.8	12.4	0.0	72.4	2.628	Sand	<6.6	84	160		
				2012/06/21	Cloudy	22.0	0.8	16.6	5	Very dark yellow red	None	4.5	31.1	34.2	18.6	5.7	5.9	0.1	88.9	2.673	Sand/gravel	<6.5	100	170		
2012/07/26				Sunny	28.1	0.6	26.0	3	Very dark reddish yellow	None	13.5	32.1	18.2	23.3	6.2	6.7	0.1	90.6	2.692	Sand	<5.5	120	180			
2012/09/26				Sunny	23.0	0.5	21.7	2	Dark grayish reddish yellow	None	0.0	5.9	0.3	46.8	31.9	14.7	0.3	81.2	2.71	Sand	<6.3	150	260			
2012/11/05				Sunny	13.2	0.2	10.4	3	Yellowish black	None	0.0	0.0	0.0	3.8	35.3	53.5	7.4	35.8	2.424	Silt	<2.4	830	1,500			
2013/01/09				Snow	1.5	0.8	4.7	4	Reddish yellowish dark gray	None	0.0	1.1	2.0	49.3	32.1	15.5	0.0	62.3	2.584	Sand/silt	<8.4	200	310			
2013/02/21				Cloudy	-5.1	0.8	0.9	1	Dark grayish yellow	None	8.7	23.2	33.5	13.7	13.3	7.6	0.0	83.4	2.87	Sand/silt	<3.8	27	46			
2012/06/21				Cloudy	20.0	0.8	14.8	3	Yellow reddish dark gray	None	0.0	0.6	0.0	11.5	26.7	61.1	0.2	41.7	2.407	Mud	<1.4	290	410			
2012/07/26				Sunny	27.0	0.3	20.6	2	Dark grayish reddish yellow	None	0.0	16.1	11.7	36.6	14.1	21.4	0.1	88.3	2.696	Sand	<4.3	34	56			
2012/09/26				Sunny	21.4	0.2	18.7	6	Yellowish black	Sludge	0.0	0.0	0.0	2.2	33.0	64.6	0.1	35.5	2.408	Silt	<2.6	790	1,300			
121	Hishimamagawa River	Sekido District	2012/10/30	Cloudy	13.0	0.6	12.5	3	Yellowish black	Faint sludge	15.3	12.8	21.0	29.9	10.4	10.6	0.0	82.3	2.72	Sand	<4.2	25	42			
			2013/01/09	Snow	-0.2	0.6	3.7	3	Reddish yellowish dark gray	Sludge	0.0	4.0	0.3	19.5	35.5	39.1	1.6	42.9	2.44	Mud/silt	<1.3	190	330			
			2013/01/30	Cloudy	-0.5	0.6	1.5	10	Dark grayish greenish yellow	None	1.5	6.6	0.4	26.1	35.4	30.0	0.0	53.1	2.57	Silt	<8.6	130	230			
			2012/06/21	Cloudy	20.0	0.8	14.0	3	Dark yellow red	None	0.2	0.1	0.4	61.9	31.3	6.0	0.0	80.4	2.689	Sand	<5.2	12	20			
			2012/07/26	Cloudy	24.9	0.2	20.7	2	Dark reddish yellow	None	17.0	14.2	8.8	51.4	6.5	4.8	0.2	90.3	2.659	Sand	<4.0	<7.2	10			
			2012/09/26	Sunny	18.9	0.2	19.9	4	Dark grayish reddish yellow	None	7.8	5.1	27.6	47.5	7.4	4.6	0.1	88.6	2.75	Sand	<3.8	<5.9	9.2			
122	Funatsugawa River	Funatsubashi Bridge	2012/11/20	Rain	5.1	0.4	5.8	5	Dark grayish reddish yellow	None	0.0	1.1	4.2	58.5	27.2	9.0	0.0	80.5	2.708	Sand	<4.9	13	18			
			2013/01/09	Snow	-0.5	0.4	4.7	5	Dark grayish yellow red	None	22.8	16.7	3.5	48.5	4.3	4.3	0.0	83.1	2.701	Gravel/sand	<3.4	8.1	17			
			2013/01/30	Sunny	-1.4	0.3	2.3	3	Dark grayish reddish yellow	None	24.5	23.8	0.3	39.1	9.7	2.7	0.0	83.9	2.678	Sand	<4.8	9.2	21			
			2012/06/20	Light rain	19.0	0.9	15.0	2	Dark yellow red	None	1.0	4.0	45.7	47.6	1.8	0.0	0.0	92.0	2.821	Sand	<3.5	<4.8	7.6			
			2012/07/26	Sunny	26.2	0.5	20.2	3	Dark grayish yellow	None	0.0	0.4	4.8	29.7	41.4	23.6	0.1	61.7	2.536	Sand	<9.7	250	420			
			2012/09/26	Sunny	21.0	0.2	15.8	3	Dark grayish reddish yellow	None	1.5	4.9	49.4	39.0	2.3	2.9	0.0	92.7	2.796	Sand	<3.6	5.2	8.6			
			2012/10/30	Cloudy	13.3	0.2	12.5	5	Deep yellow red	None	1.7	6.9	37.4	33.8	12.6	7.6	0.0	84.1	2.717	Sand	<4.9	18	29			
			2013/01/09	Cloudy	0.5	0.5	3.5	4	Dark grayish reddish yellow	None	2.7	19.6	58.4	14.8	1.7	2.8	0.0	88.2	2.655	Sand	<4.6	8.8	13			
123	Haragawa River	Estuary, Bent	2013/01/30	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground		
			2013/03/07	Sunny	3.8	0.2	4.5	2	Dark grayish reddish yellow	None	35.1	33.2	25.1	4.7	0.6	1.3	0.0	90.5	2.742	Gravel/sand	<3.8	10	17			

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)											Remarks						
						Left bank					Right bank												
						Soil			Air dose μSv/h		Soil			Air dose μSv/h									
						General items			Radioactive material concentrations (Bq/kg (dry))		General items			Radioactive material concentrations (Bq/kg (dry))									
No.	Point	Municipality	Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137										
1	Iizogawa River	Hamahatabashi Bridge	Shiinchimachi Town	2012/05/21	Cloudy	17.4	Very dark reddish yellow	None	Sandy	<9.3	390	570	0.25	Very dark yellow	None	Loamy	<7.8	300	440	0.21			
				2012/07/19	Cloudy	27.0	Dark yellow	Faint earth	Loamy/sandy	<9.1	530	800	0.28	Deep reddish yellow	Earth	Loamy/clayish	<12	890	1,400	0.20			
				2012/08/31	Sunny	25.5	Greenish yellowish pale gray	None	Sandy	<9.2	520	790	0.20	Reddish yellowish dark gray	Earth	Loamy	<13	800	1,300	0.15			
				2012/11/08	Sunny	17.5	Very dark reddish yellow	Faint earth	Sandy	<14	950	1,600	0.21	Very dark yellow red	Faint earth	Sandy	<13	1,000	1,700	0.16			
				2012/12/18	Cloudy	6.0	Dark reddish yellow	Faint earth	Sandy	<8.5	450	800	0.27	Very dark yellow red	Faint earth	Loamy	<12	590	1,100	0.26			
				2013/01/15	Sunny	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2012/05/22	Light rain	14.3	Very dark reddish yellow	None	Loamy	<15	970	1,500	0.24	Very dark yellow	None	Loamy	<16	1,100	1,600	0.30			
				2012/07/19	Cloudy	21.0	Very dark yellow red	Faint earth	Loamy	<20	1,500	2,500	0.33	Very dark yellowish red	Faint earth	Loamy	<14	580	930	0.31			
				2012/08/27	Sunny	33.0	Dark reddish yellow	Earth	Loamy	<16	1,400	2,200	0.24	Dark reddish yellow	Earth	Loamy	<14	1,100	1,800	0.25			
				2012/11/08	Sunny	18.5	Dark yellow red	Faint earth	Loamy	<14	700	1,200	0.27	Very dark yellow red	Faint earth	Loamy	<14	720	1,300	0.26			
				2012/12/17	Cloudy	7.7	Very dark reddish yellow	Earth	Loamy	<15	710	1,300	0.31	Very dark reddish yellow	Earth	Loamy	<8.8	290	540	0.33			
				2013/01/15	Snow	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Koizumigawa River	Hyakkenbashi Bridge	Somashi City	2012/05/22	Light rain	12.7	Very dark yellow	None	Loamy	<8.4	320	490	0.33	Very dark reddish yellow	Present	Loamy	<14	660	1,000	0.24			
				2012/07/19	Cloudy	24.0	Very dark yellow red	Earth	Loamy	<14	870	1,400	0.36	Very dark yellow red	Faint earth	Loamy	<12	570	920	0.34			
				2012/08/27	Sunny	31.0	Soft reddish yellow	Earth	Loamy	<11	520	790	0.17	Very dark reddish yellow	Earth	Loamy	<6.6	160	270	0.30			
				2012/11/08	Sunny	16.4	Very dark yellow red	Faint earth	Loamy	<13	910	1,600	0.29	Very dark yellow red	Faint earth	Loamy	<14	990	1,700	0.30			
				2012/12/17	Cloudy	6.7	Very dark reddish yellow	Earth	Loamy	<12	670	1,200	0.32	Very dark yellow red	Earth	Loamy	<20	1,600	2,900	0.32			
				2013/01/17	Sunny	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Udagawa River	Horisakabashi Bridge	Somashi City	2012/05/22	Cloudy	16.0	Very dark reddish yellow	None	Loamy	<13	880	1,300	0.34	-	-	-	-	-	-	-	-	(Right bank) Unable to enter	
				2012/07/19	Cloudy	22.0	Very dark purplish red	Earth	Loamy	<11	510	830	0.33	-	-	-	-	-	-	-	-	-	
				2012/08/27	Sunny	32.2	Dull reddish yellow	Faint earth	Sandy	<9.1	490	780	0.27	-	-	-	-	-	-	-	-	-	
				2012/11/08	Sunny	16.8	Very dark yellow red	Faint earth	Loamy	<25	2,000	3,500	0.29	Very dark reddish yellow	Faint earth	Loamy	<9.7	700	1,200	0.37	(Right bank) Sampling point changed		
				2012/12/17	Cloudy	7.9	Very dark yellow red	Earth	Loamy	<11	760	1,300	0.31	Very dark yellow red	Earth	Loamy	<7.5	160	280	0.32			
				2013/01/15	Sunny	40.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2012/05/22	Cloudy	13.3	Very dark greenish yellow	None	Loamy	<11	590	880	0.31	Very dark yellow	None	Loamy	<11	540	840	0.28			
				2012/07/19	Cloudy	-	Dark yellow red	Faint earth	Loamy	<14	980	1,500	0.39	Dark yellowish red	Earth	Loamy	<12	670	1,100	0.32			
				2012/08/27	Sunny	33.0	Dark reddish yellow	Earth	Loamy/skeletal	<15	930	1,500	0.28	Dull reddish yellow	Earth	Loamy/skeletal	<9.2	370	590	0.28			
				2012/11/08	Sunny	17.5	Very dark yellow red	Faint earth	Loamy	<12	630	1,100	0.28	Very dark reddish yellow	Faint earth	Loamy	<9.9	530	890	0.24			
				2012/12/17	Cloudy	7.2	Very dark reddish yellow	Earth	Loamy	<8.9	460	820	0.38	Very dark reddish yellow	Earth	Loamy	<12	640	1,200	0.38			
				2013/01/17	Sunny	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Manogawa River	Ochiaibashi Bridge	Mnamiomashi City	2012/05/22	Cloudy	14.7	Dark yellow red	None	Muddy/sandy	<8.1	440	650	0.47	Very dark yellow red	None	Loamy	<27	2,400	3,500	0.73			
				2012/07/19	Cloudy	21.0	Dark yellow red	Earth	Loamy	<11	520	820	0.56	Very dark yellowish red	Earth	Loamy	<34	4,300	6,800	0.88			
				2012/08/21	Sunny	34.3	Soft reddish yellow	Earth	Loamy	<15	1,200	1,900	0.47	Very dark greenish yellow	Earth	Loamy/clayish	<15	670	1,100	0.43			
				2012/11/07	Sunny	17.0	Deep reddish yellow	None	Sandy	<15	1,000	1,800	0.45	Very dark yellow red	Faint earth	Loamy	<22	2,000	3,400	0.57			
				2012/12/17	Cloudy	11.0	Dark reddish yellow	Earth	Loamy	<8.1	330	600	0.52	Dark reddish yellow	Earth	Loamy	<13	540	1,000	0.52			
				2013/01/15	Sunny	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Manogawa River	Majimahashi Bridge	Mnamiomashi City	2012/06/13	Cloudy	16.9	Very dark yellow red	Grass	Sandy/earthy	<7.7	280	440	0.23	Very dark yellow red	Grass	Loamy/sandy	<14	700	1,100	0.26			
				2012/07/05	Cloudy	24.0	Very dark yellow red	Faint earth	Loamy	<4.9	120	190	0.20	Dark yellow red	Faint earth	Loamy	<14	910	1,500	0.28			
				2012/08/21	Sunny	34.3	Dark yellow	Earth	Sandy	<14	910	1,400	0.33	Soft reddish yellow	Faint earth	Loamy	<9.2	500	810	0.26			
				2012/11/12	Rain	18.0	Dark yellow red	Earth	Loamy	<8.0	220	380	0.17	Very dark reddish yellow	Earth	Loamy	<16	1,200	2,200	0.20			
				2012/12/20	Sunny	2.6	Dark reddish yellow	Earth	Loamy	<8.7	320	630	0.27	Dark reddish yellow	Earth	Loamy	<15	980	1,800	0.26			
				2013/01/15	Sunny	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks								
						Left bank						Right bank															
						Soil			Air dose μSv/h			Soil				Air dose μSv/h											
						General items			Radioactive material concentrations (Bq/kg (dry))			General items				Radioactive material concentrations (Bq/kg (dry))											
No.	Point	Municipality	Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Air dose μSv/h												
							Cs-134	Cs-137					Cs-134	Cs-137													
R i v e r s	8	Kusano	Iitate-mura Village	2012/06/14	Cloudy	16.0	Dark yellow red	Grass	Loamy		<40	3,600	5,400	2.13	Very dark yellow red	Earth/grass	Loamy		<37	10,000	15,000	3.23					
				2012/07/03	Cloudy	23.0	Very dark yellow red	None	Loamy		<16	1,500	2,400	2.01	Very dark red	None	Loamy		<53	16,000	24,000	2.96					
				2012/08/07	Sunny	23.0	Soft reddish yellow	Faint earth	Loamy/sandy		<27	4,000	7,800	2.19	Dark reddish yellow	Faint earth	Loamy		<58	20,000	32,000	2.82					
				2012/11/06	Rain	13.6	Dark yellow	Earth	Loamy/sandy		<16	1,500	2,400	2.10	Very dark reddish yellow	Earth	Loamy		<58	13,000	23,000	3.01					
				2012/12/25	Snow	2.2	Very dark reddish yellow	Earth	Loamy		<20	2,900	5,200	2.03	Dark reddish yellow	Earth	Loamy		<34	8,200	15,000	2.96					
				2013/02/11	Cloudy	-5.3	Dark reddish yellow	Earth	Loamy		<14	1,400	2,500	1.31	Dark reddish yellow	Earth	Loamy/skeletal		<27	6,000	11,000	1.91					
	9	Komiya	Iitate-mura Village	2012/06/14	Cloudy	16.0	Dark yellow red	Grass	Loamy		<30	4,200	6,200	4.10	Very dark yellow red	Grass	Sandy		<40	8,500	13,000	4.04					
				2012/07/03	Cloudy	26.0	Very dark yellow red	None	Loamy		<27	4,400	6,800	3.57	Very dark yellowish red	None	Sandy		<21	2,800	4,300	3.20					
				2012/08/08	Sunny	20.0	Dark reddish yellow	Earth	Loamy/sandy		<29	5,400	8,700	3.55	Dark yellow red	Earth	Sandy		<45	8,000	13,000	3.82					
				2012/11/06	Cloudy	13.9	Very dark yellow red	Earth	Loamy		<30	4,800	8,100	3.49	Dark yellow red	Earth	Loamy		<19	1,900	3,200	3.51					
				2012/12/25	Snow	0.3	Very dark reddish yellow	Earth	Loamy		<41	7,900	14,000	3.46	Dark reddish yellow	Earth	Sandy		<29	3,800	6,800	3.62					
				2013/02/12	Sunny	-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
	10	Nidagawa River	Kidouchibashi Bridge	Iitate-mura Village	2012/06/13	Light rain	15.2	Very dark yellow red	Grass	Loamy		<22	3,000	4,600	1.01	Very dark yellow red	Grass	Loamy		<26	3,000	4,600	1.20				
					2012/07/03	Cloudy	26.0	Very dark yellow red	None	Loamy		<19	2,300	3,700	1.00	Dark reddish yellow	Faint earth	Sandy		<14	920	1,400	1.24				
					2012/07/24	Cloudy	25.0	Very dark reddish yellow	Faint earth	Loamy		<18	2,200	3,600	0.89	Very dark reddish yellow	Faint earth	Loamy		<42	6,000	9,500	1.16				
					2012/08/21	Sunny	29.9	Dull yellow red	Earth	Loamy		<28	4,100	6,700	1.01	Dull yellow red	Earth	Loamy		<34	5,100	8,000	1.20				
					2012/11/07	Sunny	16.9	Very dark reddish yellow	Faint earth	Loamy		<23	2,300	3,900	0.87	Very dark yellow red	Faint earth	Loamy		<26	2,900	4,900	1.10				
					2012/12/20	Sunny	1.8	Dark reddish yellow	Earth	Loamy		<17	2,200	4,000	0.98	Very dark reddish yellow	Earth	Loamy		<26	2,400	4,400	1.09				
					2013/01/15	Sunny	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
					2012/06/13	Light rain	17.5	Dark reddish yellow	Grass	Sandy		<5.5	120	180	0.16	Very dark reddish yellow	Grass	Sandy		<24	3,200	5,100	0.62				
					2012/07/03	Cloudy	23.0	Strong yellow red	None	Loamy		<4.2	22	30	0.15	Dark reddish yellow	None	Loamy		<12	570	900	0.50				
					2012/07/24	Cloudy	25.0	Very dark reddish yellow	Faint earth	Loamy		<11	560	890	0.24	Very dark reddish yellow	Faint earth	Loamy		<31	4,400	7,100	0.89				
	11	Sakekawabashi Bridge	Iitate-mura Village	2012/08/21	Sunny	28.7	Pale reddish yellow	Faint earth	Loamy		<6.8	210	330	0.18	Pale reddish yellow	Earth	Loamy		<15	1,600	2,500	0.30					
				2012/11/12	Rain	17.0	Dark yellow red	Earth	Loamy		<4.0	20	34	0.58	Very dark yellow red	Earth	Loamy		<17	1,500	2,600	0.60					
				2012/12/20	Cloudy	5.1	Very dark reddish yellow	Earth	Loamy		<9.2	260	500	0.20	Very dark reddish yellow	Earth	Loamy		<16	1,500	2,700	0.80					
				2013/01/15	Sunny	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
				2012/06/13	Light rain	16.0	Dark reddish yellow	Grass	Sandy/earthy		<22	2,300	3,600	1.80	Very dark reddish yellow	Grass	Sandy		<19	2,600	3,900	1.63					
				2012/07/04	Sunny	25.0	Very dark yellow red	Earth	Loamy		<25	3,500	5,600	1.60	Dark yellow red	Earth	Loamy		<15	1,400	2,200	1.50					
				2012/07/25	Cloudy	28.0	Very dark yellow red	None	Loamy		<23	3,400	5,500	1.67	Dark reddish yellow	None	Loamy		<32	5,600	9,100	1.58					
				2012/08/22	Sunny	32.1	Dark reddish yellow	Faint earth	Loamy		<30	5,400	8,700	1.76	Dull reddish yellow	Faint earth	Loamy		<18	2,000	3,300	1.70					
				2012/11/07	Sunny	18.7	Very dark yellow red	Faint earth	Sandy		<33	6,000	10,000	1.60	Deep reddish yellow	Faint earth	Loamy		<30	5,400	9,200	1.70					
				2012/12/20	Sunny	4.8	Dark reddish yellow	Earth	Loamy		<30	4,500	8,200	1.66	Very dark reddish yellow	Earth	Loamy		<23	3,500	6,400	1.44					
	2013/01/15	Sunny	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground					
	12	Otogawa River	Ikiwatadobashi Bridge	Iitate-mura Village	2012/06/13	Light rain	17.0	Very dark yellow	Grass	Loamy		<19	1,800	2,800	0.88	Dark yellow red	Grass	Loamy		<22	2,700	4,200	0.72				
					2012/07/04	Sunny	27.0	Very dark yellow red	Faint earth	Loamy		<16	1,400	2,200	0.85	Very dark reddish yellow	Faint earth	Loamy		<18	1,400	2,200	0.69				
					2012/07/25	Cloudy	27.0	Very dark reddish yellow	Faint earth	Loamy		<18	1,800	3,000	0.87	Dark yellow red	Faint earth	Loamy		<26	4,400	7,000	0.76				
2012/08/22					Sunny	31.8	Soft reddish yellow	Earth	Loamy		<16	1,400	2,300	0.85	Soft reddish yellow	Faint earth	Loamy		<18	1,600	2,600	0.63					
2012/11/07					Sunny	15.2	Very dark yellow red	Faint earth	Loamy		<21	2,000	3,400	0.78	Very dark reddish yellow	Faint earth	Loamy		<24	3,200	5,600	0.72					
2012/12/20					Cloudy	2.1	Very dark reddish yellow	Earth	Loamy		<22	1,800	3,300	0.78	Very dark reddish yellow	Earth	Loamy		<18	1,500	2,700	0.74					
2013/01/16					Sunny	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
13					Kaminouchibashi Bridge	Iitate-mura Village	2012/06/13	Light rain	17.0	Very dark yellow	Grass	Loamy		<19	1,800	2,800	0.88	Dark yellow red	Grass	Loamy		<22	2,700	4,200	0.72		
							2012/07/04	Sunny	27.0	Very dark yellow red	Faint earth	Loamy		<16	1,400	2,200	0.85	Very dark reddish yellow	Faint earth	Loamy		<18	1,400	2,200	0.69		
							2012/07/25	Cloudy	27.0	Very dark reddish yellow	Faint earth	Loamy		<18	1,800	3,000	0.87	Dark yellow red	Faint earth	Loamy		<26	4,400	7,000	0.76		
	2012/08/22	Sunny	31.8	Soft reddish yellow			Earth	Loamy		<16	1,400	2,300	0.85	Soft reddish yellow	Faint earth	Loamy		<18	1,600	2,600	0.63						

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)											Remarks					
						Left bank					Right bank											
						Soil			Air dose μSv/h		Soil			Air dose μSv/h								
						General items			Radioactive material concentrations (Bq/kg (dry))		General items			Radioactive material concentrations (Bq/kg (dry))								
No.	Point	Municipality	Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μSv/h							
R i v e r s	14	Masadahashi Bridge	2012/06/12	Cloudy	21.2	Very dark yellow	Earth	Loamy	<12	520	830	0.35	Very dark reddish yellow	Earth	Loamy	<13	880	1,300	0.40			
			2012/07/04	Sunny	26.0	Very dark yellow red	None	Loamy	<13	760	1,200	0.30	Very dark yellow red	Faint earth	Loamy	<14	790	1,300	0.34			
			2012/07/24	Rain	24.1	Dark reddish yellow	Faint earth	Loamy	<16	990	1,600	0.32	Dark yellow red	Faint earth	Loamy	<24	1,800	3,000	0.37			
			2012/08/22	Sunny	32.3	Dull reddish yellow	Earth	Loamy	<13	720	1,200	0.24	Dull reddish yellow	Earth	Loamy	<13	900	1,500	0.39			
			2012/11/07	Sunny	13.6	Dark yellow red	Faint earth	Loamy	<14	800	1,400	0.31	Very dark yellow red	Earth	Loamy	<18	1,600	2,700	0.35			
			2012/12/20	Cloudy	5.1	Very dark reddish yellow	Earth	Loamy	<9.5	340	640	0.32	Very dark reddish yellow	Earth	Loamy	<17	1,100	2,000	0.35			
	2013/01/16	Sunny	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.			
	15	Otawaga River	JR Tetsudobashi Bridge	2012/06/12	Cloudy	20.0	Very dark yellow red	Earth	Loamy	<15	810	1,300	0.43	Very dark reddish yellow	Faint earth	Loamy/skeletal	<12	910	1,400	0.41		
				2012/07/03	Cloudy	21.0	Very dark reddish yellow	None	Loamy	<8.0	310	470	0.38	Very dark yellow red	None	Loamy	<8.9	270	410	0.37		
				2012/07/24	Sunny	26.0	Very dark reddish yellow	Faint earth	Loamy	<18	1,200	2,000	0.40	Dark yellow red	Faint earth	Loamy	<13	670	1,100	0.36		
				2012/08/22	Sunny	31.9	Dark yellow red	Earth	Loamy	<13	580	960	0.36	Dull yellow red	Faint earth	Sandy	<9.4	380	640	0.33		
				2012/11/07	Sunny	16.0	Very dark reddish yellow	Faint earth	Loamy	<10	480	830	0.36	Dark yellow red	Faint earth	Loamy	<13	640	1,100	0.35		
				2012/12/20	Cloudy	5.3	Dark reddish yellow	Earth	Loamy	<16	1,200	2,100	0.37	Dark reddish yellow	Earth	Loamy	<18	960	1,800	0.39		
	2013/01/16	Sunny	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.			
	16	Manuyabashi Bridge	Mitsunamisashi City	2012/06/12	Cloudy	18.3	Dull reddish yellow	Faint earth	Loamy	<15	1,100	1,700	0.21	-	-	-	-	-	-	-		
				2012/07/03	Cloudy	20.5	Dark reddish yellow	None	Loamy	<6.4	170	270	0.16	-	-	-	-	-	-	-	-	(Right bank) Unable to enter
				2012/07/24	Cloudy	26.0	Dark reddish yellow	None	Loamy	<9.0	550	880	0.18	-	-	-	-	-	-	-	-	
				2012/08/21	Cloudy	25.0	Soft reddish yellow	Earth	Loamy	<11	520	830	0.16	Dark reddish yellow	Earth	Loamy	<7.6	320	530	0.11		
				2012/11/06	Rain	16.0	Very dark reddish yellow	Faint earth	Sandy	<11	660	1,100	0.18	Very dark reddish yellow	Faint earth	Sandy	<6.1	110	190	0.13	(Right bank) Sampling point changed	
				2012/12/20	Sunny	5.4	Dark reddish yellow	None	Sandy	<12	730	1,400	0.16	Dark reddish yellow	None	Loamy	<5.5	35	49	0.11		
	2013/01/16	Sunny	11.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.			
17	Shimokawarabashi Bridge	Mitsunamisashi City	2012/06/13	Cloudy	19.1	Very dark reddish yellow	Faint earth	Loamy	<20	3,400	5,500	1.04	Very dark yellow red	Faint earth	Loamy/clay-loamy	<14	1,300	2,000	0.93			
			2012/07/05	Cloudy	27.5	Very dark reddish yellow	None	Loamy	<38	7,300	12,000	1.61	Very dark yellow red	None	Loamy	<13	930	1,500	0.82			
			2012/08/23	Sunny	28.4	Dull reddish yellow	Faint earth	Loamy	<20	2,200	3,600	0.92	Dull reddish yellow	Faint earth	Loamy	<14	1,100	2,000	0.85			
			2012/11/06	Cloudy	15.5	Very dark reddish yellow	Faint earth	Sandy	<15	1,200	2,100	0.84	Very dark reddish yellow	Faint earth	Loamy	<19	2,200	3,800	0.84			
			2012/12/17	Cloudy	10.3	Very dark reddish yellow	Earth	Loamy	<29	3,700	6,800	0.51	Very dark reddish yellow	Earth	Loamy	<15	1,100	2,100	0.52			
			2013/01/16	Sunny	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
18	Otsukagawa River	Zenchobashi Bridge	2012/06/13	Cloudy	18.2	-	-	-	-	-	-	-	Yellow greenish black	Faint earth	Loamy	<14	870	1,400	0.59	(Left bank) Unable to enter		
			2012/07/05	Cloudy	26.0	-	-	-	-	-	-	-	-	Very dark reddish yellow	Earth	Loamy	<19	1,200	2,000	0.57		
			2012/08/23	Sunny	27.0	Dull reddish yellow	Faint earth	Loamy	<12	890	1,400	0.42	Dark yellow red	Earth	Loamy	<17	1,400	2,300	0.63			
			2012/11/06	Rain	14.8	Very dark yellow red	Faint earth	Loamy	<11	680	1,200	0.37	Very dark reddish yellow	Faint earth	Loamy	<15	720	1,300	0.58	(Left bank) Sampling point changed		
			2012/12/17	Sunny	8.9	Very dark yellow red	Earth	Loamy	<9.4	460	830	0.39	Very dark yellow red	Earth	Loamy	<15	960	1,700	0.36			
			2013/01/17	Sunny	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
19	Hatsukarabashi Bridge	Mitsunamisashi City	2012/06/12	Cloudy	18.2	Greenish yellowish gray	None	Sandy	<4.2	<6.3	15	0.10	-	-	-	-	-	-	-			
			2012/07/04	Sunny	24.0	Dark reddish yellow	None	Sandy	<4.9	12	22	0.10	-	-	-	-	-	-	-	-	(Right bank) Unable to enter	
			2012/07/25	Cloudy	24.0	Dark reddish yellow	Faint sandy	Sandy	<3.8	21	36	0.12	-	-	-	-	-	-	-	-		
			2012/08/22	Sunny	28.1	Reddish yellowish gray	None	Sandy	<3.1	23	30	0.12	-	-	-	-	-	-	-	-		
			2012/11/06	Rain	16.0	Very dark reddish yellow	None	Sandy	<4.4	14	24	0.10	Dark yellow	None	Sandy	<3.8	41	65	0.13	(Right bank) Sampling point changed		
			2012/12/17	Cloudy	13.9	Grayish yellow	Faint earth	Sandy	<3.7	8.9	14	0.11	Greenish yellowish gray	Faint earth	Sandy	<3.6	<6.1	12	0.11			
2013/01/16	Sunny	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.				

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)												Remarks						
						Left bank						Right bank												
						Soil			Air dose μSv/h			Soil			Air dose μSv/h									
						General items			Radioactive material concentrations (Bq/kg (dry))			General items			Radioactive material concentrations (Bq/kg (dry))									
No.	Point	Municipality	Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137											
20	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2012/06/14	Cloudy	21.0	Dark yellow red	Faint earth	Loamy	-98	44,000	69,000	9.40	-	-	-	-	-	-	-	(Right bank) Unable to enter			
				2012/07/03	Cloudy	22.0	Very dark reddish yellow	Earth	Loamy/skeletal	-59	24,000	39,000	7.90	-	-	-	-	-	-	-		-		
				2012/07/26	Cloudy	31.5	Dark yellow red	Earth/grass	Loamy	-63	25,000	42,000	7.84	-	-	-	-	-	-	-		-	-	
				2012/08/28	Sunny	37.0	Soft reddish yellow	Faint earth	Loamy	-72	31,000	51,000	10.40	-	-	-	-	-	-	-		-	-	
				2012/09/19	Cloudy	31.0	Soft reddish yellow	Earth	Loamy	-77	28,000	48,000	8.26	-	-	-	-	-	-	-		-	-	
				2012/10/23	Rain	22.0	Dark reddish yellow	Faint earth	Loamy	-70	28,000	50,000	8.97	Very dark yellow red	Earth	Loamy	-65	24,000	42,000	8.31		-	-	-
				2012/11/15	Sunny	8.0	Dark reddish yellow	Earth	Loamy	-60	21,000	36,000	7.98	Very dark reddish yellow	Earth	Loamy	-80	26,000	46,000	9.10		-	-	-
	2012/12/04	Cloudy	7.6	Very dark reddish yellow	Faint earth	Loamy	-37	9,600	18,000	8.04	Very dark yellow red	Faint earth	Loamy	-59	18,000	34,000	7.78	-	-	-				
	2012/12/27	Sunny	-1.4	Soft reddish yellow	Earth	Loamy/skeletal	-68	28,000	54,000	6.76	Very dark reddish yellow	Faint earth	Loamy	-71	28,000	54,000	7.42	-	-	-				
	2013/01/16	Sunny	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
	2013/02/05	Sunny	7.3	Dark reddish yellow	Faint earth	Loamy	-67	26,000	50,000	8.31	Very dark reddish yellow	Faint earth	Loamy	-97	33,000	62,000	7.18	-	-	-	(Right bank) Sampling point changed			
	21	Ukedobashi Bridge	Namiemachi Town	2012/06/13	Cloudy	19.5	Dull reddish yellow	None	Sandy	-19	3,200	4,900	1.99	-	-	-	-	-	-	-	-	(Right bank) Unable to enter		
				2012/07/03	Cloudy	21.0	Dark reddish yellow	Earth	Loamy	-11	550	900	0.87	-	-	-	-	-	-	-	-			
				2012/07/26	Cloudy	29.4	Dark yellow red	Earth	Loamy	-14	730	1,200	0.92	-	-	-	-	-	-	-	-			
2012/08/28				Sunny	36.0	Pale reddish yellow	None	Sandy	-19	2,800	4,600	1.66	-	-	-	-	-	-	-	-				
2012/09/19				Cloudy	25.0	Dark reddish yellow	None	Sandy	-14	1,300	2,200	1.60	-	-	-	-	-	-	-	-				
2012/11/15				Sunny	12.3	Very dark reddish yellow	Earth	Sandy	-14	1,800	2,600	1.67	Very dark reddish yellow	Earth	Loamy	-7.4	200	360	0.67	-	-		-	
2012/12/05				Sunny	8.0	Dark reddish yellow	Earth	Loamy	-12	810	1,400	1.28	Very dark reddish yellow	Earth	Loamy	-11	400	720	0.60	-	-		-	
2012/12/26				Sunny	2.1	Dark yellow red	Earth	Loamy	-6.7	160	280	1.32	Very dark yellow red	Faint earth	Loamy/sandy	-17	1,300	2,500	0.58	-	-		-	
2013/01/16				Sunny	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Unable to collect samples due to snow on the ground	
2013/02/05				Sunny	4.9	Dark yellow red	Earth	Loamy	-17	1,300	2,500	1.59	Dark reddish yellow	Faint earth	Sandy	-17	1,700	3,100	0.60	-	-		-	(Right bank) Sampling point changed
22	Furumichigawa River	Before the confluence with Takasegawa River (Miyakojimachi Town furumichishidaira)	Tamurah City	2012/06/14	Sunny	19.5	Dark yellow red	Faint green grass	Loamy	-22	2,500	3,800	0.63	Very dark reddish yellow	Faint green grass	Loamy/sandy	-14	980	1,500	0.57	-	-	-	
				2012/07/03	Sunny	28.0	Dark reddish yellow	Earth	Sandy	-26	3,200	5,000	0.49	Dark yellow	Earth	Sandy	-15	890	1,400	0.60	-	-	-	
				2012/07/26	Sunny	31.0	Dark yellow red	Faint earth	Sandy	-18	1,700	2,700	0.55	Dark yellow red	Faint earth	Sandy	-14	900	1,400	0.45	-	-	-	
				2012/09/20	Sunny	25.0	Dark yellow red	Faint earth	Loamy	-23	2,500	4,200	0.54	Dark yellow red	Faint earth	Loamy	-22	2,200	3,700	0.50	-	-	-	
				2012/11/09	Sunny	11.0	Very dark yellow red	Faint earth	Loamy	-23	2,400	4,000	0.49	Dark reddish yellow	Faint earth	Loamy	-14	950	1,600	0.54	-	-	-	
				2012/12/26	Sunny	0.1	Dark yellow red	Earth	Loamy/sandy	-15	980	1,800	0.43	Very dark reddish yellow	None	Loamy	-12	730	1,300	0.49	-	-	-	
				2013/01/22	Cloudy	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2012/06/13	Cloudy	18.2	Dark yellow	Faint green grass	Loamy	-18	1,600	2,500	1.69	-	-	-	-	-	-	-	-	-		
				2012/07/03	Cloudy	21.0	Very dark reddish yellow	Earth/grass	Loamy	-16	1,200	2,000	1.80	-	-	-	-	-	-	-	-	-		
				2012/07/26	Cloudy	30.2	Very dark reddish yellow	Grass	Loamy	-18	1,500	2,400	1.73	-	-	-	-	-	-	-	-	-		
23	Takasegawa River	Keiobashi Bridge	Namiemachi Town	2012/10/18	Cloudy	18.6	Very dark reddish yellow	Earth	Loamy	-14	960	1,700	1.68	-	-	-	-	-	-	-	(Right bank) Sampling point changed			
				2012/11/15	Cloudy	12.9	Very dark reddish yellow	Earth	Loamy	-19	1,400	2,500	1.28	Dark reddish yellow	Earth	Loamy	-23	2,000	3,500	1.02		-	-	
				2012/12/26	Sunny	0.3	Very dark reddish yellow	Earth	Loamy	-14	990	1,800	1.24	Dark reddish yellow	Earth	Loamy	-20	1,900	3,600	0.99		-	-	
				2013/02/05	Sunny	5.3	Very dark yellow red	Earth	Loamy	-15	1,100	2,000	1.17	Dark yellow red	Earth	Loamy	-19	1,300	2,500	0.89		-	-	
				2012/06/14	Cloudy	19.5	Very dark yellow	Faint green grass	Loamy	-51	13,000	21,000	5.05	-	-	-	-	-	-	-		-		
				2012/07/04	Sunny	25.0	Very dark yellow	Earth	Loamy	-44	11,000	19,000	3.81	-	-	-	-	-	-	-		-		
				2012/10/23	Rain	16.0	Very dark yellow red	Faint earth	Loamy	-59	18,000	33,000	4.17	Very dark yellow red	Faint earth	Loamy	-83	33,000	61,000	10.04		-	-	
24	Maedagawa River	National Route 6, west	Futabamachi Town	2012/11/20	Sunny	14.4	Dark reddish yellow	Faint earth	Loamy	-61	18,000	34,000	3.92	Very dark yellow red	Faint earth	Loamy	-86	43,000	83,000	8.97	-	-	(Right bank) Sampling point changed	
				2012/12/18	Cloudy	6.1	Very dark reddish yellow	Earth	Loamy/skeletal	-38	6,700	13,000	3.88	Very dark reddish yellow	Earth	Loamy/skeletal	-80	40,000	81,000	8.99	-	-		
				2013/01/15	Sunny	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

No.	Sampling point Point Municipality		Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)															Remarks		
						Left bank						Right bank											
						Soil			Air dose μSv/h			Soil			Air dose μSv/h								
						General items			Radioactive material concentrations (Bq/kg (dry))			General items			Radioactive material concentrations (Bq/kg (dry))								
Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137	Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137	Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137						
25	Maedagawa River	Nakahamahashi Bridge	Namiemachi Town	2012/06/14	Cloudy	18.4	-	-	-	-	-	-	Dark grayish yellow	Faint green grass	Sandy	<20	2,400	3,700	1.01	Left bank/Unable to enter			
				2012/07/03	Cloudy	20.0	-	-	-	-	-	-	-	-	-	Very dark yellow	Earth grass	Sandy/loamy	<18		2,100	3,200	0.85
				2012/07/26	Sunny	31.8	-	-	-	-	-	-	-	-	-	Dull reddish yellow	Grass	Sandy	<14		1,300	2,100	0.65
				2012/08/28	Sunny	31.0	-	-	-	-	-	-	-	-	-	Soft reddish yellow	None	Sandy	<14		940	1,500	0.65
				2012/09/19	Rain	25.0	-	-	-	-	-	-	-	-	-	Dark yellow red	Faint earth	Loamy	<13		890	1,600	0.57
				2012/11/15	Sunny	14.2	Dark reddish yellow	Earth	Loamy	-16	1,300	2,400	0.67	Dark reddish yellow	Earth	Loamy	<15	950	1,700		0.65		
				2012/12/26	Sunny	0.6	Dark reddish yellow	Earth	Loamy	-12	880	1,100	0.68	Dark reddish yellow	Faint earth	Loamy	<9.7	420	720		0.65		
2013/01/15	Sunny	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground					
26	Kumagawa River	National Route 6, west	Okumamachi Town	2012/06/14	Cloudy	19.0	-	-	-	-	-	-	Very dark yellowish red	Faint earth	Loamy	<56	17,000	25,000	4.85	Left bank/Unable to enter			
				2012/07/05	Sunny	30.0	-	-	-	-	-	-	-	-	-	Very dark reddish yellow	Faint earth	Loamy	<42		12,000	19,000	4.95
				2012/10/17	Sunny	21.3	-	-	-	-	-	-	-	-	-	Dark yellow red	Earth	Loamy	<70		23,000	38,000	6.07
				2012/11/21	Sunny	10.9	Very dark yellow red	Earth	Loamy	-55	16,000	27,000	3.35	Dark greenish yellow	Earth	Loamy	<50	13,000	22,000		4.39		
				2012/12/18	Cloudy	9.7	Very dark reddish yellow	Earth	Loamy/skeletal	-44	9,300	17,000	3.30	Very dark yellow red	Earth	Loamy/skeletal	<50	16,000	29,000		4.11		
				2013/01/17	Sunny	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	Unable to collect samples due to snow on the ground
				2012/06/14	Cloudy	18.0	-	-	-	-	-	-	-	-	-	Very dark yellow red	Earth	Loamy	<31		4,600	7,100	6.25
27	Mikunabashi Bridge	National Route 6, west	Okumamachi Town	2012/07/05	Cloudy	26.0	-	-	-	-	-	-	Dark reddish yellow	Faint earth	Loamy	<44	10,000	16,000	11.90	Left bank/Unable to enter			
				2012/10/17	Cloudy	20.7	-	-	-	-	-	-	-	-	-	Very dark yellow red	Faint grass	Sandy/loamy	<46		13,000	22,000	6.68
				2012/11/20	Cloudy	13.0	Dark yellow	Earth	Loamy/sandy	-27	4,800	8,200	10.89	Very dark reddish yellow	Earth	Loamy	<88	55,000	96,000		5.18		
				2012/12/18	Sunny	10.2	Very dark yellow	Earth	Loamy/sandy	-69	31,000	57,000	11.12	Very dark reddish yellow	Earth	Loamy/sandy	<36	7,900	14,000		5.72		
				2013/01/15	Snow	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-		-	Unable to collect samples due to snow on the ground	
				2012/08/30	Sunny	36.0	Dark yellow red	Earth	Loamy	-17	1,200	1,900	0.64	Very dark reddish yellow	Faint earth	Loamy	<23	3,100	5,000		0.94		
				2012/10/16	Sunny	12.2	Very dark reddish yellow	Earth	Loamy	-19	1,900	3,200	0.66	Very dark reddish yellow	Earth	Loamy	<20	1,800	3,000		0.77		
28	Nabekunabashi Bridge	National Route 6, west	Kawanuchimura Village	2012/11/20	Cloudy	8.3	Dark yellow red	Earth	Loamy	-13	860	1,500	0.61	Very dark reddish yellow	Earth	Loamy	<16	1,200	2,100	0.75	Left bank/Unable to enter		
				2012/12/27	Cloudy	-2.3	Very dark reddish yellow	Earth	Loamy	-17	1,500	2,700	0.58	Very dark reddish yellow	Earth	Loamy	<18	1,500	2,800	0.73			
				2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Unable to collect samples due to snow on the ground	
				2013/02/06	Snow	-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Unable to collect samples due to snow on the ground	
				2013/03/07	Sunny	11.6	Very dark yellow red	Earth	Loamy/skeletal	-17	1,600	3,200	0.57	Very dark yellow	Earth	Loamy/skeletal	<17	1,300	2,600	0.72			
				2012/08/29	Sunny	31.0	Very dark reddish yellow	Earth	Loamy	-48	16,000	26,000	5.08	Dark reddish yellow	Earth	Loamy	<53	18,000	30,000	4.92			
				2012/11/14	Sunny	8.6	Very dark reddish yellow	Earth	Loamy	-59	15,000	26,000	4.28	Very dark reddish yellow	Earth	Loamy	<57	15,000	25,000	4.77			
29	Sakaigawabashi Bridge	National Route 6, west	Kawanuchimura Village	2012/12/05	Sunny	6.4	Very dark yellow red	Earth	Loamy	<150	73,000	130,000	8.24	Very dark yellow red	Earth	Loamy	<43	11,000	20,000	3.85	Left bank/Unable to enter		
				2012/12/26	Sunny	-1.0	Very dark yellow red	Earth	Loamy	<160	73,000	130,000	7.24	Very dark reddish yellow	Earth	Loamy	<20	2,200	4,000	3.83			
				2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Unable to collect samples due to snow on the ground	
				2013/02/06	Snow	-0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Unable to collect samples due to snow on the ground	
				2013/02/27	Cloudy	3.6	Dark yellow	None	Loamy	-44	13,000	25,000	4.70	Very dark yellow	Earth	Loamy	<110	31,000	57,000	4.19			
				2012/06/13	Cloudy	20.0	Very dark yellow red	None	Loamy	-68	17,000	26,000	4.92	-	-	-	-	-	-	-		-	
				2012/07/03	Cloudy	22.0	Dark reddish yellow	Faint earth	Loamy	-30	5,300	8,300	5.22	-	-	-	-	-	-	-		-	
30	National Route 6, west	National Route 6, west	Tomikamachi Town	2012/09/19	Cloudy	26.6	Very dark reddish yellow	Earth	Loamy	-58	18,000	29,000	5.41	-	-	-	-	-	-	(Right bank) Unable to enter			
				2012/11/14	Sunny	13.2	Dark reddish yellow	Earth	Loamy	-39	8,700	15,000	4.91	Dark reddish yellow	Earth	Loamy	<46	9,100	16,000		3.68		
				2012/12/26	Sunny	3.6	Very dark reddish yellow	Earth	Loamy/skeletal	-44	7,900	14,000	4.44	Very dark yellow red	Earth	Loamy/sandy	<36	6,200	11,000		3.28		
				2013/02/07	Sunny	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-		-	Unable to collect samples due to snow on the ground	

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks					
						Left bank						Right bank												
						Soil			Air dose			Soil			Air dose									
No.	Point	Municipality	General items			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h	General items			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h								
			Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137										
R i v e r s	31	Tomiokagawa River Kohamahashi Bridge	Tomiokamachi Town	2012/06/13	Cloudy	19.0	Very dark yellow red	None	Sandy	-23	3,600	5,600	2.27	-	-	-	-	-	-	-	(Right bank) Unable to enter			
				2012/07/03	Cloudy	22.0	Very dark reddish yellow	Faint earth	Loamy	-45	14,000	22,000	2.40	-	-	-	-	-	-	-	-	-	(Right bank) Sampling point changed	
				2012/09/19	Cloudy	24.5	Very dark reddish yellow	Earth	Sandy	-35	10,000	17,000	2.16	-	-	-	-	-	-	-	-	-	(Right bank) Sampling point changed	
				2012/11/14	Sunny	18.5	Dark reddish yellow	None	Sandy	-30	5,000	8,600	2.20	Dark reddish yellow	Earth	Loamy/sandy	<17	1,900	3,400	1.02	-	-	-	(Right bank) Sampling point changed
				2012/12/26	Sunny	3.7	Dark yellow red	Earth	Sandy	-29	4,000	7,200	2.04	Dark reddish yellow	Faint earth	Sandy/skeletal	<20	2,100	4,000	0.93	-	-	-	-
	2013/02/07	Sunny	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
	32	Idogawa River Motogamabashi Bridge	Narahamachi Town	2012/06/12	Cloudy	16.0	-	-	-	-	-	-	-	-	Very dark reddish yellow	None	Loamy	<13	930	1,400	0.77	-		
				2012/07/03	Cloudy	21.0	-	-	-	-	-	-	-	-	-	Dark reddish yellow	Faint earth	Loamy	<14	1,200	1,900	0.68	-	
				2012/08/23	Sunny	34.0	-	-	-	-	-	-	-	-	-	Dark reddish yellow	Faint earth	Sandy	<9.2	390	610	0.70	-	
				2012/11/19	Cloudy	8.6	Dark reddish yellow	Earth	Sandy	<8.4	330	560	1.06	Dark reddish yellow	Earth	Loamy	<20	1,900	3,400	0.77	-			
				2012/12/18	Cloudy	7.7	Dull reddish yellow	Earth	Loamy/sandy	<7.3	300	530	1.02	Dark reddish yellow	Earth	Loamy/skeletal	<18	1,600	2,800	0.67	-			
	2013/02/07	Sunny	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
	33	Kawauchigawa River Before the confluence with Kidogawa River (Futamatabashi Bridge)	Kawauchimura Village	2012/08/30	Sunny	36.0	Soft yellow	Earth	Loamy	-13	990	1,600	0.92	Soft reddish yellow	Earth	Loamy	<16	1,400	2,300	0.72	-			
				2012/09/20	Rain	24.0	Dark yellow red	Earth	Sandy/loamy	-20	1,500	2,500	1.01	Very dark yellow red	Earth	Loamy	<16	1,100	2,000	0.65	-			
				2012/10/16	Sunny	17.9	Dull reddish yellow	Earth	Loamy	-17	1,600	2,600	0.68	Dark reddish yellow	Earth	Loamy	<13	680	1,100	0.70	-			
				2012/11/19	Rain	5.5	Very dark reddish yellow	Earth	Loamy	-22	2,400	4,100	0.76	Very dark reddish yellow	Earth	Loamy	<17	1,600	2,700	0.70	-			
				2012/12/26	Sunny	-5.2	Dark yellow red	Earth	Loamy	-17	1,100	2,000	0.75	Dark yellow red	Faint earth	Loamy	<15	1,200	2,300	0.55	-			
	2013/02/06	Snow	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
	34	Nishiyamabashi Bridge	Narahamachi Town	2012/06/12	Cloudy	14.5	Dark yellow red	None	Sandy	<7.8	310	480	0.45	Very dark yellowish red	None	Loamy	<8.6	360	550	0.41	-			
				2012/07/03	Cloudy	22.0	Dark reddish yellow	Faint earth	Loamy	-9.5	310	490	0.35	Very dark reddish yellow	Faint earth	Loamy	<16	860	1,400	0.53	-			
2012/09/20				Rain	22.0	Very dark reddish yellow	Faint earth	Sandy	-17	1,000	1,800	0.38	Very dark yellow red	Faint earth	Loamy	<22	2,300	3,800	0.48	-				
2012/11/19				Cloudy	6.5	Dark reddish yellow	Earth	Loamy	-9.8	410	700	0.37	Very dark reddish yellow	Earth	Loamy	<21	1,700	2,900	0.47	-				
2012/12/26				Sunny	-2.9	Very dark reddish yellow	Faint earth	Loamy	-14	1,000	1,800	0.41	Very dark reddish yellow	Earth	Loamy	<14	1,000	1,800	0.46	-				
2013/02/07	Sunny	5.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				
35	Kidogawa River Nagatorobashi Bridge	Narahamachi Town	2012/06/13	Cloudy	18.5	Very dark yellow red	None	Loamy	-15	1,100	1,700	0.85	-	-	-	-	-	-	-	-	(Right bank) Unable to enter			
			2012/07/03	Cloudy	20.0	Dull reddish yellow	Faint earth	Loamy	-20	2,500	3,800	0.66	-	-	-	-	-	-	-	-	-	(Right bank) Sampling point changed		
			2012/08/23	Sunny	29.0	Dark reddish yellow	Faint earth	Sandy	-16	1,600	2,500	0.71	-	-	-	-	-	-	-	-	-	(Right bank) Sampling point changed		
			2012/11/19	Cloudy	9.1	Very dark reddish yellow	Earth	Loamy	-17	980	1,700	0.81	Very dark reddish yellow	Earth	Loamy	<14	1,100	1,800	0.60	-				
			2012/12/19	Sunny	3.3	Very dark reddish yellow	Earth	Loamy/sandy/skeletal	-17	1,700	3,000	0.58	Very dark reddish yellow	Earth	Loamy/skeletal	<22	1,900	3,300	0.56	-				
36	Kidokawabashi Bridge	Narahamachi Town	2013/02/07	Cloudy	2.7	Very dark reddish yellow	Faint earth	Sandy	-17	1,300	2,300	0.71	Very dark reddish yellow	Faint earth	Loamy	<19	2,000	3,700	0.56	-				
			2012/06/12	Cloudy	16.0	-	-	-	-	-	-	-	-	-	Very dark yellow red	None	Loamy	<16	1,200	1,900	0.71	-		
			2012/07/03	Cloudy	17.9	-	-	-	-	-	-	-	-	-	Very dark reddish yellow	Faint earth	Loamy	<18	1,400	2,300	0.73	-		
			2012/08/23	Sunny	31.0	-	-	-	-	-	-	-	-	-	Dark reddish yellow	Faint earth	Sandy	<22	2,400	3,900	0.56	-		
			2012/11/19	Cloudy	8.6	Very dark yellow red	Earth	Loamy	-15	1,300	2,300	0.63	Very dark yellow red	Earth	Loamy	<16	1,300	2,300	0.69	-				
2012/12/19	Sunny	3.6	Very dark reddish yellow	Earth	Loamy	-9.2	320	530	0.60	Very dark yellow red	Faint earth	Loamy/sandy	<17	1,500	2,700	0.68	-							
2013/02/07	Sunny	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				
37	Asamigawa River Bodabashi Bridge	Hironomachi Town	2012/05/24	Sunny	24.7	Very dark reddish yellow	None	Sandy	<7.1	230	350	0.26	Very dark reddish yellow	None	Sandy	<13	670	970	0.32	-				
			2012/07/10	Sunny	26.0	Very dark reddish yellow	Earth/grass	Sandy/loamy	-13	740	1,200	0.52	Very dark reddish yellow	None	Sandy/loamy	<13	940	1,400	0.56	-				
			2012/08/23	Sunny	35.0	Dark reddish yellow	Faint earth	Sandy	-20	1,800	2,900	0.43	Dark reddish yellow	Faint earth	Sandy	<22	2,600	4,100	0.51	-				
			2012/11/11	Rain	12.1	Dark reddish yellow	Earth	Loamy/sandy	-20	1,800	3,200	0.39	Dark reddish yellow	Earth	Loamy	<20	1,500	2,500	0.48	-				
			2012/12/27	Sunny	4.7	Dark reddish yellow	None	Sandy	-14	860	1,500	0.46	Dark reddish yellow	None	Sandy	<17	1,400	2,400	0.53	-				
2013/02/11	Sunny	2.0	Very dark reddish yellow	Earth	Loamy/sandy	-15	1,000	1,800	0.51	Very dark reddish yellow	Earth	Loamy	<15	1,100	2,100	0.50	-							

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)												Remarks			
						Left bank						Right bank									
						Soil			Air dose μSv/h			Soil			Air dose μSv/h						
No.	Point	Municipality	General items			Radioactive material concentrations (Bq/kg (dry))			General items			Radioactive material concentrations (Bq/kg (dry))									
			Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137	Color	Odor	Property	Radioactive iodine I-131	Cs-134	Cs-137							
38	Ohtsugawa River	Kagisobashi Bridge	2012/05/24	Sunny	23.8	-	-	-	-	-	-	-	Grayish reddish yellow	None	Sandy	<11	540	810	0.36	Left bank/Soil not exposed	
			2012/07/10	Cloudy	28.0	-	-	-	-	-	-	-	-	Dark yellow	None	Sandy	<8.4	460	710		0.28
			2012/09/04	Sunny	26.9	-	-	-	-	-	-	-	-	Dull reddish yellow	Grass	Sandy	<18	1,800	3,000		0.27
			2012/11/07	Cloudy	15.6	-	-	-	-	-	-	-	-	Dark reddish yellow	None	Sandy	<14	1,100	1,800		0.27
			2013/01/08	Sunny	5.2	-	-	-	-	-	-	-	0.15	Dark reddish yellow	Earth	Loamy/sandy/skeletal	<11	600	1,100		0.24
			2013/02/14	Cloudy	3.4	-	-	-	-	-	-	-	0.12	Dark yellow red	Earth	Loamy/skeletal	<11	780	1,400		0.24
39	Kohisagawa River	Rengobashi Bridge	2012/05/24	Sunny	22.7	Very dark yellow	None	Loamy	<11	670	1,000	0.44	Very dark reddish yellow	None	Loamy	<15	960	1,400	0.43		
			2012/07/10	Sunny	27.0	Very dark yellow red	Grass/earth	Loamy	<21	2,400	3,700	0.41	Dark reddish yellow	Earth	Loamy	<14	850	1,300	0.41		
			2012/09/04	Sunny	27.9	Very dark yellow red	Grass	Loamy	<23	2,500	4,000	0.42	Dark reddish yellow	Grass	Sandy	<16	1,200	1,800	0.42		
			2012/11/07	Cloudy	16.7	Dark reddish yellow	Earth	Loamy	<17	1,500	2,500	0.45	Dark reddish yellow	None	Loamy	<14	760	1,300	0.46		
			2013/01/08	Sunny	5.5	Very dark yellow red	Earth	Loamy/skeletal	<18	1,800	2,800	0.38	Very dark yellow red	Earth	Loamy	<13	920	1,700	0.40		
			2013/02/14	Cloudy	4.1	Very dark reddish yellow	Earth	Loamy/skeletal	<15	1,100	2,000	0.35	Very dark yellow red	Earth	Loamy/skeletal	<15	920	1,700	0.34		
40	Niidagawa River	Kamuidabashi Bridge	2012/05/24	Sunny	20.3	Very dark reddish yellow	None	Sandy/earthy	<7.7	270	400	0.19	Very dark yellow red	None	Loamy	<11	540	820	0.23		
			2012/07/10	Sunny	29.0	Very dark reddish yellow	Grass	Loamy/sandy	<6.9	200	340	0.16	Very dark yellow red	Earth	Loamy/sandy	<12	590	960	0.20		
			2012/09/04	Sunny	27.2	Very dark yellow red	Grass	Loamy	<12	660	1,100	0.19	Very dark yellow red	Earth	Loamy	<14	940	1,500	0.19		
			2012/11/07	Cloudy	13.5	Very dark yellow red	Earth	Loamy	<15	900	1,500	0.24	Very dark yellow red	None	Loamy	<18	1,700	3,000	0.30		
			2012/12/28	Cloudy	3.5	Very dark reddish yellow	Faint earth	Loamy	<16	980	1,700	0.24	Very dark yellow red	Faint earth	Loamy	<15	1,100	1,900	0.27		
			2013/02/14	Cloudy	4.5	Very dark yellow red	Faint earth	Loamy/skeletal	<9.7	470	930	0.16	Very dark yellow red	Earth	Loamy/skeletal	<14	740	1,300	0.22		
41	Niidagawa River	Matsubashi Bridge	2012/05/23	Cloudy	18.5	Very dark reddish yellow	None	Sandy/earthy	<7.9	340	500	0.25	Very dark reddish yellow	None	Sandy	<6.5	210	300	0.24		
			2012/07/10	Sunny	29.0	Very dark yellow red	Faint grass	Sandy/loamy	<13	650	980	0.26	Dark reddish yellow	Faint grass	Loamy	<14	910	1,400	0.31		
			2012/09/04	Sunny	26.8	Very dark yellow red	Faint grass	Loamy	<14	1,000	1,600	0.26	Very dark yellow red	Grass	Loamy/skeletal	<14	1,200	1,900	0.32		
			2012/11/06	Rain	17.0	Dark yellow red	Earth	Loamy	<13	830	1,400	0.33	Dull yellow red	Earth	Loamy	<12	800	1,300	0.33		
			2012/12/28	Cloudy	2.5	Very dark yellow red	Faint earth	Loamy	<13	560	1,000	0.27	Dark reddish yellow	Faint earth	Sandy	<5.1	95	180	0.18		
			2013/02/14	Cloudy	7.6	Very dark reddish yellow	Earth	Loamy	<8.5	340	610	0.20	Soft reddish yellow	None	Sandy	<5.6	110	220	0.20		
42	Natsugawa River	Kitanouchibashi Bridge	2012/05/23	Cloudy	14.9	Very dark reddish yellow	None	Loamy	<5.6	<9.2	15	0.16	Very dark reddish yellow	None	Loamy	<8.1	200	290	0.19		
			2012/07/12	Rain	25.0	Very dark yellow red	Earth	Loamy	<11	450	710	0.19	Very dark yellow red	Faint grass	Loamy	<11	310	500	0.21		
			2012/08/24	Sunny	29.0	Dark reddish yellow	Faint earth	Loamy	<9.4	180	290	0.14	Dark yellow red	Faint earth	Loamy	<6.8	150	250	0.17		
			2012/11/05	Cloudy	13.4	Very dark reddish yellow	None	Loamy	<14	510	900	0.17	Very dark yellow red	None	Loamy	<6.8	130	230	0.17		
			2013/01/11	Sunny	4.4	Dark reddish yellow	Faint earth	Loamy/sandy	<11	230	420	0.16	Dark reddish yellow	Earth	Loamy/sandy	<7.7	170	310	0.19		
			2013/02/11	Sunny	0.6	-	-	-	-	-	-	-	-	-	Very dark reddish yellow	Earth	Loamy	<12	490		900
43	Natsugawa River	Kyudayubashi Bridge	2012/05/23	Cloudy	20.5	Very dark reddish yellow	None	Muddy/sandy	<12	300	450	0.25	Very dark reddish yellow	None	Loamy	<6.6	210	320	0.24		
			2012/07/10	Sunny	27.5	Very dark reddish yellow	None	Sandy	<8.1	190	290	0.21	Very dark yellow red	Faint earth	Sandy	<6.3	84	140	0.17		
			2012/09/05	Sunny	28.7	Very dark reddish yellow	Grass	Sandy	<8.5	330	530	0.18	Very dark yellow red	Grass	Sandy/skeletal	<13	640	1,100	0.17		
			2012/11/06	Rain	17.0	Dull reddish yellow	Earth	Sandy	<4.5	31	49	0.19	Dark yellow red	Earth	Loamy	<6.5	110	180	0.14		
			2013/01/08	Sunny	6.8	Very dark reddish yellow	Faint earth	Sandy	<9.7	250	460	0.23	Dark reddish yellow	Earth	Loamy	<9.7	420	780	0.23		
			2013/02/14	Cloudy	7.7	Dark reddish yellow	Faint earth	Sandy	<8.9	200	380	0.16	Very dark reddish yellow	Earth	Loamy	<8.6	300	560	0.20		
44	Natsugawa River	Rokujamabashi Bridge	Sunny, then cloudy	16.0	Very dark reddish yellow	None	Loamy	<15	1,200	1,800	0.35	Very dark reddish yellow	None	Loamy	<17	1,100	1,600	0.31			
			2012/05/23	Sunny	30.0	Dark reddish yellow	Earth	Loamy	<14	990	1,500	0.30	Very dark yellow	Grass	Loamy	<15	690	1,100		0.32	
			2012/09/05	Sunny	28.9	Very dark reddish yellow	None	Loamy	<16	1,000	1,700	0.28	Very dark yellow red	None	Loamy	<15	810	1,300		0.35	
			2012/11/15	Sunny	11.9	Very dark reddish yellow	Earth	Loamy	<8.3	340	560	0.31	Very dark reddish yellow	Earth	Loamy	<21	2,100	3,600		0.29	
			2013/01/08	Sunny	6.8	Very dark yellow red	Earth	Loamy	<13	580	1,000	0.31	Very dark yellow red	Earth	Loamy	<14	770	1,400		0.34	
			2013/02/11	Sunny	5.1	Very dark yellow red	Earth	Loamy	<13	640	1,100	0.26	Very dark yellow red	Faint earth	Loamy	<14	720	1,300		0.30	
45	Yoshinagawa River	Iwaatsurubashi Bridge	2012/05/23	Cloudy	21.4	Very dark yellow	None	Loamy	<12	680	990	0.19	Very dark reddish yellow	None	Loamy	<11	260	370	0.20		
			2012/07/11	Sunny	29.0	Very dark reddish yellow	Faint earth	Loamy	<14	930	1,400	0.19	Dark reddish yellow	Grass	Loamy	<7.0	110	180	0.17		
			2012/09/05	Sunny	25.7	Very dark yellow red	None	Loamy	<7.9	270	450	0.21	Very dark yellow red	Faint grass	Loamy	<12	610	960	0.17		
			2012/11/09	Sunny	9.9	Very dark reddish yellow	Earth	Loamy/skeletal	<11	550	920	0.23	Very dark reddish yellow	Earth	Loamy	<25	930	1,600	0.22		
			2013/01/08	Sunny	5.1	Very dark reddish yellow	Earth	Loamy/skeletal	<14	620	1,100	0.21	Dark yellow red	Earth	Loamy	<7.4	190	320	0.17		
			2013/02/15	Cloudy	6.2	Very dark reddish yellow	Earth	Loamy/skeletal	<14	540	990	0.20	Dark yellow red	Earth	Loamy	<14	650	1,100	0.16		

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks	
						Left bank						Right bank								
						Soil			Air dose μSv/h			Soil			Air dose μSv/h					
						General items			Radioactive material concentrations (Bq/kg (dry))			General items			Radioactive material concentrations (Bq/kg (dry))					
No.	Point	Municipality	Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μSv/h					
R i v e r s	Yoshigawa River	Before the confluence with Natsugawa River	2012/05/23	Sunny	16.9	Very dark yellow red	None	Loamy	<6.6	170	250	0.15	Very dark yellow red	None	Loamy	<11	340	500	0.19	
			2012/07/11	Sunny	29.0	Very dark yellow red	Earth	Loamy	<8.1	140	220	0.19	Very dark yellow red	Earth	Loamy	<8.2	220	340	0.19	
			2012/09/05	Sunny	31.2	Very dark yellow red	Grass	Loamy/skeletal	<6.9	240	410	0.15	Very dark yellow	Faint grass	Loamy/skeletal	<11	420	680	0.22	
			2012/11/15	Sunny	14.1	Very dark reddish yellow	Earth	Loamy	<8.0	270	490	0.17	Very dark reddish yellow	Earth	Loamy	<9.7	340	550	0.21	
			2012/12/19	Sunny	3.7	Very dark reddish yellow	Earth	Loamy	<7.5	210	380	0.18	Very dark reddish yellow	Earth	Loamy/skeletal	<11	500	890	0.21	
			2013/01/21	Sunny	9.3	Very dark reddish yellow	Earth	Loamy	<8.7	300	500	0.18	Very dark reddish yellow	Earth	Loamy	<11	290	560	0.18	
	47	Shimabashi Bridge	2012/05/24	Sunny	20.4	Very dark reddish yellow	None	Loamy	<8.6	310	440	0.17	Very dark reddish yellow	None	Loamy	<5.1	72	110	0.09	
			2012/07/11	Sunny	27.0	Dark reddish yellow	Faint earth	Sandy/loamy	<9.6	340	520	0.15	Very dark yellow	Faint earth	Clayish	<14	470	720	0.18	
			2012/09/05	Sunny	29.1	Very dark yellow red	-	Sandy/loamy	<14	700	1,200	0.15	Very dark reddish yellow	None	Loamy/skeletal	<6.0	99	170	0.11	
			2012/10/19	Cloudy	14.0	Dark yellow red	Earth	Loamy	<11	640	1,000	0.17	Dark yellow red	Earth	Loamy	<14	710	1,200	0.14	
			2012/11/15	Sunny	9.4	Very dark yellow red	Earth	Loamy	<12	410	700	0.19	Very dark yellow red	Earth	Loamy	<5.7	45	67	0.11	
			2013/01/09	Cloudy	7.1	Very dark yellow red	Faint grass	Loamy	<12	370	700	0.18	Very dark yellow red	Earth	Loamy/skeletal	<8.2	398	730	0.17	Changed to the side of lower reaches
	48	Minatoshashi Bridge	2012/05/22	Cloudy	16.2	Very dark yellow red	None	Loamy	<5.6	78	120	0.13	Very dark red	None	Loamy	<15	440	650	0.24	
			2012/07/11	Sunny	27.0	Very dark yellow	Faint grass	Sandy	<8.1	290	440	0.14	Very dark yellow	Faint grass	Loamy/sandy	<12	370	590	0.24	
			2012/09/06	Sunny	25.0	Dark reddish yellow	None	Loamy	<8.1	290	430	0.13	Very dark reddish yellow	Grass	Loamy/skeletal	<15	840	1,300	0.30	
			2012/10/19	Cloudy	14.0	Dark yellow red	Earth	Loamy	<7.6	240	430	0.17	Dark yellow red	Earth	Loamy	<15	580	990	0.14	
			2012/11/15	Sunny	11.9	Very dark reddish yellow	Earth	Loamy	<9.2	320	590	0.12	Very dark reddish yellow	Earth	Sandy	<17	860	1,500	0.26	
			2013/01/11	Sunny	1.9	Dark reddish yellow	Earth	Loamy	<6.6	120	220	0.13	Very dark reddish yellow	Earth	Loamy/sandy	<19	1,100	2,000	0.21	
	49	Idosawabashi Bridge	2013/02/05	Sunny	4.4	Very dark reddish yellow	Earth	Loamy	<6.7	140	250	0.12	Very dark yellow red	Earth	Loamy/sandy	<23	1,700	3,000	0.22	
			2012/05/22	Rain	16.0	Dark grayish reddish yellow	None	Sandy	<7.1	170	270	0.13	-	-	-	-	-	-	-	
			2012/07/09	Sunny	21.5	Very dark reddish yellow	Earth	Sandy/clayish	<6.1	110	170	0.13	-	-	-	-	-	-	-	
			2012/09/03	Sunny	28.0	Very dark yellow red	Grass	Loamy/skeletal	<17	1,500	2,400	0.29	-	-	-	-	-	-	-	
			2012/11/09	Sunny	16.6	Very dark reddish yellow	Earth	Loamy	<38	4,300	7,100	0.32	-	-	-	-	-	-	-	
			2012/12/26	Sunny	4.2	Very dark reddish yellow	Earth	Loamy	<74	14,000	25,000	0.11	-	-	-	-	-	-	-	
50	Samagawa River	2013/02/05	Sunny	6.4	Very dark yellow red	Earth	Loamy	<16	1,200	2,200	0.23	-	-	-	-	-	-	-		
		2012/05/22	Rain	16.0	Dark grayish yellow	None	Sandy	<5.7	100	150	0.12	Dull reddish yellow	None	Sandy	<9.1	230	320	0.15		
		2012/07/11	Sunny	28.0	Dark reddish yellow	Faint earth	Sandy	<5.8	99	150	0.13	Very dark reddish yellow	Faint grass	Clayish/sandy	<7.3	200	310	0.13		
		2012/09/03	Sunny	30.5	Dark grayish reddish yellow	None	Sandy	<4.6	15	22	0.08	Very dark reddish yellow	Faint grass	Loamy	<8.8	260	420	0.11		
		2012/11/16	Sunny	11.7	Dull yellow	None	Sandy	<5.0	19	34	0.07	Dark reddish yellow	None	Loamy	<7.7	180	320	0.11		
		2013/01/07	Sunny	3.0	Grayish reddish yellow	Faint earth	Sandy	<3.6	11	15	0.11	Dark reddish yellow	Faint earth	Loamy	<7.8	230	400	0.11		
51	Shitokigawa River	Komurobashi Bridge	2013/02/06	Snow	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/05/22	Rain	15.0	Dark grayish yellow red	None	Sandy	<4.5	33	53	0.13	Dark grayish reddish yellow	None	Sandy	<5.8	65	110	0.17	
			2012/07/09	Sunny	25.2	Very dark reddish yellow	Earth	Loamy	<18	680	1,100	0.14	Dark reddish yellow	Earth	Loamy/clayish	<13	760	1,200	0.22	
			2012/09/03	Cloudy	22.0	Very dark yellow red	None	Sandy	<10	480	780	0.24	Very dark yellow red	Earth	Loamy	<25	2,000	3,300	0.19	
			2012/10/19	Cloudy	15.0	Dark yellow red	Earth	Loamy	<12	740	1,300	0.22	Dark yellow red	Earth	Loamy	<22	1,700	2,900	0.26	
			2012/11/16	Sunny	13.5	Dark reddish yellow	Earth	Loamy	<12	500	900	0.21	Dark reddish yellow	Earth	Loamy	<12	480	860	0.21	
52	Bindagawa River	Kobanabashi Bridge	2012/12/26	Sunny	3.2	Very dark reddish yellow	Earth	Loamy	<15	770	1,400	0.20	Dark reddish yellow	Earth	Loamy	<9.1	360	630	0.20	
			2013/02/06	Snow	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/05/22	Cloudy	16.0	Dark grayish reddish yellow	None	Sandy	<11	400	580	0.17	Dark grayish yellow red	None	Sandy	<12	540	780	0.16	
			2012/07/13	Cloudy	26.0	Dark reddish yellow	Faint grass	Sandy	<5.6	100	150	0.16	Very dark reddish yellow	Grass	Loamy	<9.6	300	510	0.15	
			2012/09/06	Sunny	28.8	Very dark reddish yellow	Grass	Loamy/skeletal	<14	920	1,400	0.22	Very dark reddish yellow	Grass	Loamy/skeletal	<9.5	440	720	0.17	
			2012/11/09	Sunny	17.0	Very dark reddish yellow	None	Loamy	<12	660	1,200	0.20	Very dark reddish yellow	None	Loamy	<8.5	290	510	0.15	
2012/12/26	Sunny	3.2	Dark reddish yellow	Faint earth	Loamy	<6.4	130	240	0.17	Dark reddish yellow	Faint earth	Sandy	<8.8	260	490	0.19				
2013/02/06	Snow	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		

Table 4.3.1.3(1) Fukushima Pref. (Hamadori Area) River (Surrounding Environment)

R i v e r s	Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks	
	No.	Point					Municipality	Left bank						Right bank							
								Soil			Air dose μSv/h	Soil			Air dose μSv/h						
								General items				Radioactive material concentrations (Bq/kg (dry))				General items			Radioactive material concentrations (Bq/kg (dry))		
Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium											
				Cs-134	Cs-137					Cs-134	Cs-137										
				2012/05/22	Rain	14.0	Dark grayish reddish yellow	None	Sandy	<5.1	100	150	0.15	Strong yellow red	None	Sandy	<8.8	350	540	0.19	
				2012/07/13	Cloudy	27.5	Very dark reddish yellow	Earth	Loamy	<6.4	140	200	0.14	Very dark yellow	Grass	Loamy	<8.4	370	570	0.14	
				2012/09/06	Sunny	26.8	Very dark reddish yellow	None	Loamy/skeletal	<12	500	810	0.11	Very dark reddish yellow	Faint grass	Sandy	<9.9	480	720	0.14	
				2012/11/16	Sunny	14.1	Very dark reddish yellow	Earth	Loamy	<9.2	350	600	0.11	Very dark reddish yellow	Earth	Sandy	<9.2	380	630	0.21	
				2012/12/26	Sunny	4.2	Very dark reddish yellow	Faint earth	Loamy	<17	970	1,700	0.15	Very dark reddish yellow	Faint earth	Loamy	<10	420	760	0.23	
				2013/02/06	Snow	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground

Table 4.3.1.3 (2) Fukushima Pref. (Nakadori Area) River (Surrounding Environment)

No.	Sampling point		Municipality	Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks			
							Left bank						Right bank										
							Soil			Air dose μSv/h			Soil			Air dose μSv/h							
							General items			Radioactive material concentrations (Bq/kg (dry))			General items			Radioactive material concentrations (Bq/kg (dry))							
Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		Air dose μSv/h											
54	Habutohoshi Bridge	Nishigomura Village	2012/05/02	Cloudy	16.0	Very dark reddish yellow	Faint earth	Loamy	<19	1,600	2,300	0.48	Very dark reddish yellow	Earth	Loamy	<18	1,500	2,200	0.51				
			2012/07/12	Rain	22.0	Very dark yellow	Earth/grass	Loamy/clayish	<18	1,800	2,900	0.49	Dark yellow red	Faint earth	Loamy	<12	730	1,200	0.59				
			2012/10/09	Sunny	15.5	Very dark yellow red	Earth	Loamy	1,400	2,300	0.43	Very dark reddish yellow	Earth	Loamy	<20	1,900	3,400	0.53					
			2012/11/22	Cloudy	3.9	Very dark yellow	Earth	Loamy	<18	1,800	3,200	0.45	Very dark reddish yellow	Earth	Loamy/sandy/skeletal	<30	4,500	7,900	0.72				
			2012/12/20	Sunny	2.7	Very dark reddish yellow	Earth	Loamy	<19	1,900	3,500	0.45	Very dark reddish yellow	Earth	Loamy/skeletal	<17	1,500	2,700	0.55				
			2013/01/28	Sunny	3.6	Very dark reddish yellow	Faint earth	Loamy/clayish	<18	1,600	2,900	0.35	-	-	-	-	-	-	-	-	(Right bank) Unable to collect samples due to snow on the ground.		
55	Abukumagawa River	Famachiohoshi Bridge	Shiokawashi City	2012/05/02	Rain	16.0	Very dark reddish yellow	None	Sandy	<9.9	500	730	0.36	Very dark greenish yellow	Earth	Loamy	<16	910	1,400	0.57			
				2012/05/10	Cloudy	13.0	Very dark reddish yellow	None	Sandy	<13	580	860	0.39	Dark yellow red	None	Loamy	<12	760	1,200	0.58			
				2012/06/04	Sunny	27.0	Dull reddish yellow	Faint earth	Sandy	<11	680	1,000	0.36	Very dark yellow red	Faint earth	Loamy	<15	960	1,500	0.62			
				2012/07/12	Rain	24.0	Very dark reddish yellow	Earth	Loamy	<13	980	1,600	0.57	Very dark reddish yellow	Earth	Loamy	<19	1,500	2,400	0.58			
				2012/08/06	Cloudy	26.5	Dark reddish yellow	Earth	Loamy	<16	1,300	2,200	0.51	Dark reddish yellow	Faint earth	Loamy	<20	1,400	2,200	0.58			
				2012/08/30	Cloudy	33.0	Dark reddish yellow	None	Loamy	<20	2,500	4,000	0.47	Dull reddish yellow	Grass	Loamy	<13	820	1,300	0.44			
				2012/10/02	Cloudy	22.0	Dark yellow red	Earth	Loamy	<12	470	730	0.36	Very dark yellow red	Earth	Loamy	<14	1,100	2,000	0.41			
				2012/11/01	Sunny	15.6	Dark reddish yellow	None	Loamy	<18	1,300	2,200	0.36	Very dark reddish yellow	None	Loamy	<16	1,100	1,800	0.52			
				2012/12/20	Sunny	4.1	Very dark reddish yellow	Earth	Loamy	<15	970	1,700	0.39	Very dark reddish yellow	Earth	Loamy	<15	1,300	2,300	0.55			
				2013/01/14	Snow	-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.
				2013/02/14	Sunny	8.6	Very dark reddish yellow	Earth	Loamy	<12	820	1,200	0.43	Very dark reddish yellow	Earth	Loamy	<12	740	1,400	0.50			
				2013/03/04	Sunny	5.0	Very dark reddish yellow	Earth	Loamy	<21	1,900	3,500	0.57	Very dark reddish yellow	Earth	Loamy	<16	1,300	2,300	0.42			
56	Yantagawa River	Before the confluence with Abukumagawa River	Shiokawashi City	2012/05/02	Cloudy	19.0	Dark reddish yellow	Faint earth	Loamy	<26	2,800	4,200	0.50	Very dark reddish yellow	Faint earth	Loamy	<22	2,300	3,400	0.42			
				2012/07/12	Rain	27.0	Deep yellow red	Earth	Loamy/sandy	<17	1,500	2,500	0.49	Very dark yellow	Earth	Loamy	<33	3,200	5,100	0.56			
				2012/10/09	Sunny	18.6	Dark reddish yellow	Earth	Loamy	<19	2,100	3,500	0.43	Very dark reddish yellow	Earth	Loamy	<22	1,800	3,100	0.50			
				2012/11/01	Sunny	12.2	Dark reddish yellow	Earth	Loamy	<17	1,500	2,600	0.42	Very dark yellow	Earth	Loamy	<18	1,400	2,300	0.34			
				2012/12/20	Sunny	2.6	Dark reddish yellow	Earth	Loamy	<23	2,800	5,200	0.41	Very dark yellow red	Earth	Loamy	<22	1,700	3,000	0.47			
				2013/01/24	Sunny	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
57	Yashirogawa River	Yashirogawabashi Bridge	Tanagunmachi Town	2012/05/05	Cloudy, partly sunny	17.1	Very dark reddish yellow	Faint earth	Loamy	<12	620	950	0.21	Very dark reddish yellow	Earth	Loamy	<12	730	1,000	0.18			
				2012/07/17	Sunny	32.0	Very dark reddish yellow	Grass	Loamy	<8.5	290	510	0.23	Very dark yellow red	Faint grass	Loamy	<11	410	670	0.24			
				2012/10/09	Sunny	19.7	Very dark yellow red	Earth	Loamy/skeletal	<9.0	530	890	0.23	Very dark yellow red	Earth	Loamy	<12	540	880	0.23			
				2012/11/19	Cloudy	4.3	Very dark yellow red	Faint earth	Loamy/skeletal	<5.2	49	94	0.24	Very dark yellow red	Faint earth	Loamy/skeletal	<10	410	720	0.23			
				2012/12/20	Sunny	2.7	Very dark yellow red	Earth	Skeletal	<7.4	270	500	0.21	Very dark reddish yellow	Earth	Loamy	<7.9	220	400	0.23			
				2013/01/16	Sunny	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
58	Kitasagawa River	Yanagibashi Bridge	Hitatamura Village	2012/05/05	Sunny	20.5	Very dark reddish yellow	Earth	Loamy	<7.6	230	340	0.20	Dark reddish yellow	Earth	Loamy	<6.0	140	190	0.14			
				2012/07/18	Cloudy	27.0	Very dark yellow	Faint grass	Loamy/sandy	<7.4	78	120	0.15	Dark reddish yellow	None	Sandy/loamy	<5.9	160	230	0.17			
				2012/10/16	Sunny	18.7	Dark reddish yellow	Earth	Loamy	<15	470	750	0.14	Dull reddish yellow	Earth	Loamy	<7.5	190	300	0.14			
				2012/11/21	Sunny	4.7	Very dark reddish yellow	Earth	Loamy/sandy	<9.4	220	390	0.16	Very dark reddish yellow	Earth	Loamy/sandy	<8.2	250	430	0.14			
				2012/12/19	Sunny	1.1	Very dark reddish yellow	Earth	Loamy	<12	340	600	0.15	Very dark reddish yellow	Earth	Loamy/sandy	<9.6	160	290	0.12			
				2013/01/21	Cloudy	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
59	Imadegawa River	Nekonakibashi Bridge	Shikawamachi Town	2012/05/05	Sunny	20.7	Very dark reddish yellow	Earth	Loamy	<7.1	180	270	0.16	Very dark reddish yellow	Earth	Loamy	<8.7	250	390	0.15			
				2012/07/17	Sunny	32.0	Very dark yellow	Earth	Loamy	<7.0	170	270	0.14	Very dark yellow	Faint grass	Loamy	<7.6	210	340	0.14			
				2012/10/09	Sunny	20.0	Dark yellow red	Earth	Loamy	<6.6	150	260	0.15	Dark yellow red	Earth	Loamy	<7.5	290	480	0.15			
				2012/11/19	Cloudy	8.5	Very dark reddish yellow	Grass	Loamy/skeletal	<8.1	170	280	0.14	Very dark yellow	Earth	Loamy/sandy/skeletal	<7.6	190	340	0.16			
				2012/12/19	Sunny	0.7	Very dark yellow	Earth	Loamy/skeletal	<7.8	280	520	0.15	Very dark yellow	Faint earth	Loamy/skeletal	<7.6	150	270	0.14			
				2013/01/21	Cloudy	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
60	Yashirogawa River	Ojibashi Bridge	Shikawamachi Town	2012/05/05	Cloudy, then sunny	17.0	Very dark reddish yellow	Faint earth	Loamy	<8.9	280	390	0.12	Very dark reddish yellow	Faint earth	Loamy	<9.2	290	410	0.15			
				2012/07/17	Sunny	31.5	Very dark reddish yellow	Earth	Loamy	<7.7	190	290	0.10	Very dark yellow	Grass	Loamy	<15	1,000	1,600	0.15			
				2012/10/09	Sunny	19.0	Dark reddish yellow	Earth	Loamy	<12	330	550	0.12	Dark reddish yellow	Earth	Loamy	<15	620	1,090	0.14			
				2012/11/21	Sunny	8.4	Very dark reddish yellow	Earth	Loamy	<8.4	280	500	0.12	Very dark reddish yellow	Earth	Loamy	<18	840	1,400	0.14			
				2012/12/19	Sunny	1.1	Very dark reddish yellow	Faint earth	Loamy	<9.0	230	430	0.12	Very dark yellow red	Earth	Loamy	<13	470	800	0.13			
				2013/01/21	Cloudy	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	

Table 4.3.1.3 (2) Fukushima Pref. (Nakadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks			
						Left bank						Right bank										
						Soil			Air dose µSv/h			Soil			Air dose µSv/h							
						General items			Radioactive material concentrations (Bq/kg (dry))			General items			Radioactive material concentrations (Bq/kg (dry))							
No.	Point	Municipality	Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Air dose µSv/h							
							Cs-134	Cs-137					Cs-134	Cs-137								
61	Abukumagawa River	Kawanomeshi Bridge	Tamakawamura Village	2012/05/02	Cloudy	17.0	Dark yellow	None	Sandy		<7.9	250	370	0.16	Dark yellow	None	Sandy		<5.8	120	180	0.15
				2012/05/10	Sunny	18.0	Dark grayish yellow green	None	Sandy		<7.6	220	330	0.13	Very dark reddish yellow	None	Loamy/sandy		<7.8	190	300	0.17
				2012/06/04	Cloudy	21.0	Very dark yellow red	Earth	Sandy		<6.8	190	280	0.13	Very dark yellow red	Faint earth	Sandy		<12	370	540	0.19
				2012/07/17	Sunny	30.0	Dark yellow	None	Sandy		<4.1	30	44	0.19	Very dark reddish yellow	Earth	Sandy/loamy		<13	480	760	0.20
				2012/08/07	Sunny	28.0	Dark yellow	Earth	Loamy		<12	520	790	0.13	Dull reddish yellow	Earth	Loamy		<12	600	920	0.22
				2012/08/30	Sunny	32.0	Dark greenish yellow	Grass	Loamy		<9.9	340	540	0.15	Soft reddish yellow	None	Loamy		<15	900	1,400	0.13
				2012/10/02	Cloudy	22.0	Very dark reddish yellow	Earth	Sandy		<7.3	190	340	0.17	Very dark yellow red	Faint earth	Sandy		<8.4	290	460	0.15
				2012/11/21	Sunny	7.3	Very dark yellow	Earth	Loamy		<5.6	42	70	0.12	Dark reddish yellow	Grass	Loamy		<7.1	210	330	0.18
				2012/12/13	Sunny	2.5	Dark reddish yellow	Earth	Sandy		<9.6	190	350	0.12	Very dark reddish yellow	Earth	Loamy		<12	410	720	0.17
	2013/01/07	Sunny	3.3	Dull reddish yellow	Faint earth	Sandy		<9.0	170	340	0.14	Very dark reddish yellow	Faint earth	Sandy		<11	450	800	0.17			
	2013/01/28	Sunny	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	(Left bank) Unable to collect samples due to snow on the ground.
	2013/02/20	Sunny	5.6	Very dark yellow red	Earth	Loamy		<14	640	1,200	0.13	Very dark reddish yellow	Earth	Loamy		<7.3	240	430	0.13			
	62	Enoshibashi Bridge	Tamakawamura Village	2012/05/05	Sunny	21.6	Dark yellow red	Earth	Loamy		<18	1,200	1,800	0.28	Very dark reddish yellow	Earth	Loamy		<12	410	570	0.27
				2012/07/18	Cloudy	27.0	Dark reddish yellow	None	Sandy/loamy		<7.8	290	440	0.30	Dark reddish yellow	None	Sandy/loamy		<13	880	1,400	0.29
				2012/08/30	Sunny	30.6	Soft reddish yellow	Grass	Loamy		<14	1,000	1,700	0.25	Soft reddish yellow	Faint earth	Loamy		<11	540	860	0.26
				2012/11/01	Sunny	17.5	Very dark reddish yellow	Earth	Loamy		<15	950	1,700	0.28	Very dark reddish yellow	Earth	Loamy		<11	520	860	0.29
				2012/12/20	Sunny	2.9	Very dark reddish yellow	Earth	Loamy		<13	810	1,100	0.25	Very dark reddish yellow	Earth	Loamy		<11	430	790	0.30
				2013/01/24	Sunny	2.2	Very dark reddish yellow	Earth	Loamy		<8.2	310	580	0.23	Very dark reddish yellow	Earth	Loamy		<8.9	360	630	0.23
63	Sakagawashi City water intake point	Sakagawashi City	2012/05/05	Sunny	19.0	Dark reddish yellow	Earth	Loamy		<11	520	750	0.34	Very dark reddish yellow	Earth	Loamy		<7.5	300	440	0.35	
			2012/07/18	Cloudy	29.0	Very dark yellow	Grass	Loamy		<11	700	1,100	0.31	Soft reddish yellow	Faint grass	Loamy		<13	780	1,200	0.23	
			2012/10/16	Sunny	20.1	Dull reddish yellow	Faint earth	Loamy		<12	680	1,100	0.34	Dark reddish yellow	Earth	Loamy		<14	820	1,400	0.30	
			2012/11/08	Cloudy	13.0	Very dark reddish yellow	None	Loamy		<17	1,100	2,000	0.38	Dark reddish yellow	Earth	Loamy		<9.1	340	600	0.33	
			2012/12/20	Sunny	4.4	Very dark reddish yellow	Earth	Loamy/skeletal		<14	1,000	1,900	0.24	Very dark reddish yellow	Earth	Loamy		<9.1	400	710	0.28	
			2013/01/24	Sunny	3.4	Very dark reddish yellow	Earth	Loamy		<16	1,000	1,800	0.29	Very dark reddish yellow	Earth	Loamy		<21	2,000	3,800	0.22	
	64	Shakabogawa River	Sakagawashi City	2012/05/02	Cloudy	18.0	Dark reddish yellow	Earth	Loamy		<19	1,400	2,000	0.38	Very dark reddish yellow	Earth	Loamy		<23	2,100	3,100	0.34
				2012/05/10	Cloudy	13.0	Very dark reddish yellow	None	Loamy		<21	1,200	1,800	0.38	Very dark reddish yellow	None	Loamy		<18	1,200	1,800	0.42
				2012/06/07	Sunny	23.6	Dark grayish reddish yellow	Earth	Loamy		<15	830	1,200	0.42	Strong reddish yellow	Earth	Loamy		<16	1,000	1,600	0.44
				2012/07/18	Cloudy	29.0	Dark yellow green	Earth	Sandy/loamy		<9.5	430	640	0.26	Dark yellow	Grass	Loamy		<9.2	400	610	0.46
				2012/08/07	Sunny	28.5	Dull reddish yellow	Faint earth	Loamy		<18	1,300	2,200	0.48	Dull reddish yellow	Faint earth	Loamy		<12	730	1,100	0.36
				2012/08/30	Sunny	31.1	Dull reddish yellow	None	Sandy/skeletal		<13	890	1,400	0.34	Soft reddish yellow	None	Loamy		<9.4	430	670	0.30
Before the confluence with Abukumagawa River		2012/10/16	Sunny	19.7	Dark reddish yellow	Faint earth	Loamy/sandy		<15	880	1,500	0.30	Dark reddish yellow	Faint earth	Loamy/sandy		<9.9	610	980	0.33		
		2012/11/20	Rain, then cloudy	9.1	Dull reddish yellow	Earth	Sandy		<6.5	110	190	0.32	Dark reddish yellow	Earth	Loamy/sandy		<9.2	400	700	0.28		
		2012/12/12	Sunny	4.3	Very dark reddish yellow	Earth	Loamy		<21	1,500	2,500	0.36	Dark reddish yellow	Earth	Loamy		<25	2,100	3,800	0.39		
		2013/01/10	Sunny	-0.1	Very dark reddish yellow	Faint earth	Loamy/sandy		<10	360	660	0.30	Dark reddish yellow	Earth	Loamy/sandy		<6.7	210	350	0.34		
		2013/01/29	Sunny	-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	Unable to collect samples due to snow on the ground.
		2013/02/20	Sunny	2.6	Dull reddish yellow	Earth	Loamy		<11	410	700	0.30	Dull reddish yellow	Earth	Loamy		<11	510	980	0.35		
65	Sasaharagawa River	Shirubashi Bridge	Koriyamashi City	2012/05/04	Cloudy	19.6	Dark yellow red	Earth	Loamy		<21	1,900	2,700	0.55	Dark reddish yellow	Earth	Loamy		<26	3,500	5,000	0.60
				2012/07/18	Cloudy	25.0	Dark reddish yellow	None	Clayish		<17	760	1,200	0.57	Dark reddish yellow	None	Clayish		<21	2,000	3,200	0.61
				2012/09/25	Cloudy	21.2	Dark reddish yellow	Earth	Loamy		<19	1,500	2,500	0.57	Dark reddish yellow	Earth	Loamy		<16	1,200	2,100	0.60
				2012/11/01	Sunny	13.2	Dark reddish yellow	Faint earth	Loamy		<18	1,200	2,000	0.58	Dark reddish yellow	Earth	Loamy		<24	2,100	3,500	0.60
				2012/12/26	Cloudy	-2.4	Dark yellow red	Earth	Loamy		<18	1,100	2,000	0.54	Dark reddish yellow	Earth	Loamy		<20	1,600	2,700	0.59
				2013/01/23	Sunny	3.3	Very dark yellow	Earth	Loamy		<21	1,400	2,600	0.55	-	-	-	-	-	-	-	-
	Yatagawa River	Yatagawabashi Bridge	2012/05/03	Rain	15.5	Very dark reddish yellow	Earth	Loamy		<21	1,600	2,300	0.52	Dark reddish yellow	Earth	Loamy		<17	1,200	1,800	0.48	
			2012/07/19	Sunny	28.0	Soft reddish yellow	None	Sandy		<21	2,700	4,300	0.38	Dull reddish yellow	Grass	Loamy		<11	680	1,100	0.33	
			2012/09/25	Cloudy, then sunny	20.1	Dark yellow red	Earth	Loamy		<19	2,100	3,500	0.34	Very dark reddish yellow	Earth	Loamy		<14	1,000	1,700	0.40	
2012/11/01	Sunny	7.7	Very dark yellow	Faint earth	Loamy		<25	3,000	5,100	0.40	Very dark reddish yellow	Faint earth	Loamy		<20	1,400	2,400	0.42				
2012/12/26	Sunny	-1.0	Very dark yellow	Earth	Loamy		<17	1,500	2,700	0.37	Dark reddish yellow	Earth	Loamy		<15	790	1,400	0.43				
2013/01/23	Sunny	2.8	Very dark reddish yellow	Earth	Loamy		<19	2,000	3,600	0.35	Dark reddish yellow	Earth	Loamy		<19	1,600	3,000	0.34				

Table 4.3.1.3 (2) Fukushima Pref. (Nakadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)														Remarks
						Left bank							Right bank							
						Soil			Air dose μSv/h				Soil			Air dose μSv/h				
						General items			Radioactive material concentrations (Bq/kg (dry))				General items			Radioactive material concentrations (Bq/kg (dry))				
No.	Point	Municipality	Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Air dose μSv/h					
							Cs-134	Cs-137					Cs-134	Cs-137						
67	Funchikibashi Bridge	Tamurashi City	2012/05/06	Cloudy	21.1	Very dark reddish yellow	Earth	Loamy	<9.6	360	500	0.21	Very dark yellow	Earth	Loamy	<9.5	390	560	0.21	
			2012/07/18	Cloudy	29.0	Dark reddish yellow	Earth	Sandy	<12	600	940	0.18	Dark reddish yellow	Earth	Loamy	<18	1,300	2,100	0.24	
			2012/09/25	Cloudy	16.4	Very dark yellow red	Earth	Loamy	<15	770	1,300	0.17	Very dark yellow red	Earth	Loamy	<15	1,200	1,900	0.22	
			2012/11/14	Sunny	10.5	Dark reddish yellow	Earth	Sandy	<14	660	1,200	0.14	Dark reddish yellow	Earth	Sandy	<17	1,100	1,900	0.18	
			2012/12/20	Sunny	3.7	Very dark reddish yellow	Earth	Sandy	<7.9	260	460	0.24	Very dark reddish yellow	Earth	Loamy	<15	750	1,300	0.21	
2013/01/22	Cloudy	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
68	Before the confluence with Abukumagawa River	Koriyama City	2012/05/04	Light rain	16.5	Very dark reddish yellow	Earth	Loamy	<9.8	460	670	0.40	Very dark reddish yellow	Earth	Loamy	<17	1,200	1,800	0.41	
			2012/07/19	Sunny	29.0	Very dark reddish yellow	Earth	Loamy/sandy	<14	1,100	1,900	0.42	Very dark reddish yellow	None	Clayish	<19	1,100	1,700	0.46	
			2012/09/25	Cloudy, then sunny	24.2	Very dark reddish yellow	None	Loamy	<20	1,600	2,600	0.38	Very dark reddish yellow	None	Loamy	<18	1,200	2,000	0.43	
			2012/10/31	Cloudy	15.8	Very dark reddish yellow	Faint earth	Loamy	<12	720	1,200	0.42	Very dark reddish yellow	Faint earth	Loamy	<19	1,200	2,100	0.45	
			2012/12/26	Sunny	-3.5	Very dark yellow red	Earth	Loamy/skeletal	<16	1,300	2,400	0.40	Very dark yellow red	Earth	Loamy	<17	960	1,700	0.40	
69	Before the confluence with Bahagawa River	Koriyama City	2013/01/23	Sunny	1.7	Very dark reddish yellow	Earth	Loamy	<12	760	1,400	0.36	Very dark reddish yellow	Earth	Loamy	<16	880	1,700	0.46	
			2012/05/04	Sunny	17.8	Very dark yellow red	Earth	Loamy	<33	4,500	6,700	0.79	Dark yellow red	Earth	Loamy	<26	3,200	4,700	0.84	
			2012/07/19	Sunny	28.0	Dark reddish yellow	Grass	Loamy/sandy	<17	1,100	1,700	0.81	Dark reddish yellow	Grass	Loamy/sandy	<17	1,600	2,600	0.70	
			2012/10/02	Cloudy	19.8	Very dark reddish yellow	Earth	Loamy	<25	2,500	4,100	0.67	Very dark reddish yellow	Faint earth	Loamy	<21	2,300	3,800	0.77	
			2012/10/31	Sunny	15.1	Dark reddish yellow	Grass	Loamy	<16	1,400	2,400	0.74	Dark reddish yellow	Earth	Loamy	<19	1,900	3,200	0.78	
70	Makumouchibashi Bridge	Koriyama City	2012/12/26	Sunny	-3.9	Very dark yellow red	Earth	Loamy	<19	1,900	3,500	0.69	Very dark yellow red	Earth	Loamy	<12	670	1,200	0.62	
			2013/01/24	Sunny	3.3	Very dark reddish yellow	Earth	Loamy	<18	1,300	2,400	0.61	Very dark reddish yellow	Earth	Loamy	<16	1,100	2,000	0.56	
			2012/05/04	Rain	16.6	Dark reddish yellow	Earth	Loamy	<9.0	340	490	0.48	Dark yellow red	Earth	Sandy	<27	3,100	4,400	0.73	
			2012/07/19	Sunny	29.0	Dark reddish yellow	None	Sandy	<7.6	310	480	0.54	Very dark reddish yellow	Grass	Loamy/sandy	<22	2,900	4,500	0.82	
			2012/09/25	Cloudy	21.4	Dark reddish yellow	Faint grass	Loamy	<23	3,000	5,000	0.72	Dark reddish yellow	Faint grass	Loamy	<29	4,100	6,700	0.88	
71	Before the confluence with Abukumagawa River	Koriyama City	2012/10/31	Sunny	14.6	Dark yellow	Earth	Loamy	<17	1,400	2,300	1.00	Very dark reddish yellow	Earth	Loamy	<27	4,200	7,100	0.81	
			2012/12/26	Sunny	-4.9	Dull reddish yellow	Earth	Loamy	<13	710	1,300	0.59	Dull reddish yellow	Earth	Loamy	<11	480	830	0.66	
			2013/01/23	Sunny	1.4	Very dark yellow	Earth	Loamy	<23	3,100	5,600	0.52	-	-	-	-	-	-	-	(Right bank) Unable to collect samples due to snow on the ground
			2012/05/01	Cloudy	18.5	Very dark reddish yellow	Earth	Loamy	<32	3,400	5,100	1.43	Very dark reddish yellow	Earth	Loamy	<45	8,100	12,000	2.58	
			2012/05/10	Cloudy	15.0	Very dark reddish yellow	None	Loamy	<17	1,800	2,600	0.89	Very dark yellow	None	Muddy	<27	1,700	2,500	1.80	
72	Abukumagawa River	Akutsubashi Bridge	2012/06/07	Cloudy	28.0	Very dark reddish yellow	Earth	Loamy	<28	2,700	4,300	1.20	Very dark reddish yellow	Earth	Loamy	<29	2,400	3,700	2.02	
			2012/07/20	Cloudy	21.0	Soft reddish yellow	None	Sandy	<25	2,700	4,200	0.85	Very dark reddish yellow	Faint sludge	Sandy	<17	540	880	0.73	
			2012/08/07	Sunny	31.1	Very dark yellow	Earth	Loamy/clayish	<12	590	900	0.81	Very dark yellow	Faint mud	Loamy/clayish	<14	580	960	0.84	
			2012/08/29	Sunny	33.0	Dark yellow red	None	Clayish	<13	670	1,100	0.84	Dull reddish yellow	None	Clayish	<12	460	730	0.91	
			2012/10/02	Cloudy	20.0	Very dark reddish yellow	Faint earth	Loamy	<13	500	830	0.69	Very dark reddish yellow	Earth	Clayish	<16	760	1,200	0.82	
72	Abukumagawa River	Akutsubashi Bridge	2012/10/31	Sunny	14.2	Dark reddish yellow	None	Loamy/sandy	<13	590	970	0.78	Very dark reddish yellow	None	Loamy/sandy	<13	520	840	0.82	
			2012/12/07	Sunny	5.5	Very dark reddish yellow	Earth	Loamy	<9.4	330	530	0.91	Very dark yellow red	Earth	Loamy	<24	3,200	5,400	0.96	
			2013/01/09	Cloudy	0.9	Very dark yellow red	Faint earth	Loamy	<16	1,400	2,500	0.86	Very dark reddish yellow	Earth	Loamy	<18	1,500	2,700	0.72	
			2013/01/29	Sunny	-0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/19	Cloudy	0.7	Reddish yellowish black	Earth	Loamy	<20	2,100	4,100	0.82	Reddish yellowish black	Earth	Loamy	<29	4,300	8,000	0.72	
			2012/05/01	Cloudy	20.5	Dark reddish yellow	None	Sandy	<17	1,900	2,700	0.61	Dull reddish yellow	None	Sandy	<12	590	880	0.79	
			2012/05/09	Cloudy	22.0	Dark grayish reddish yellow	None	Sandy	<8.4	290	430	0.48	Very dark reddish yellow	None	Loamy/sandy	<18	1,300	1,900	0.70	
			2012/06/07	Sunny	22.2	Dull reddish yellow	Faint earth	Sandy	<11	430	640	0.51	Dark grayish reddish yellow	Faint earth	Sandy	<15	720	1,100	0.57	
			2012/07/20	Cloudy	21.0	Dark yellow red	None	Sandy	<12	680	1,100	0.44	Soft reddish yellow	None	Sandy	<11	370	650	0.41	
			2012/08/07	Sunny	29.5	Dull yellow red	Faint earth	Sandy	<8.9	320	530	0.42	Soft yellow red	Faint earth	Loamy/sandy	<13	670	1,100	0.45	
			2012/08/27	Sunny	29.5	Soft reddish yellow	Faint grass	Sandy	<9.8	360	590	0.47	Dull reddish yellow	Faint grass	Sandy	<12	580	880	0.45	
			2012/10/16	Sunny	18.4	Dull reddish yellow	Faint earth	Loamy/sandy	<14	920	1,500	0.42	Dark reddish yellow	Earth	Loamy	<20	2,200	3,700	0.68	
			2012/11/14	Sunny	13.5	Very dark reddish yellow	Earth	Sandy	<9.5	340	580	0.31	Very dark reddish yellow	Earth	Loamy	<14	880	1,500	0.71	
			2012/12/07	Sunny	2.5	Very dark yellow red	Earth	Sandy	<13	650	1,200	0.35	Very dark reddish yellow	Earth	Loamy	<18	1,800	3,200	0.62	
			2013/01/10	Cloudy	-1.8	Dark reddish yellow	Faint earth	Sandy	<8.3	260	480	0.37	Dark yellow red	Earth	Loamy	<30	3,600	6,800	0.67	
2013/02/01	Sunny	-3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
2013/02/28	Sunny	7.3	Dark yellow red	Faint earth	Sandy	<9.6	400	740	0.37	Very dark yellow red	Earth	Loamy	<23	2,600	4,900	0.66				

Table 4.3.1.3 (2) Fukushima Pref. (Nakadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks						
						Left bank						Right bank													
						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 I-131	Radioactive cesium		General items			Radioactive iodine I-131	Radioactive cesium															
No.	Point	Municipality		Color	Odor	Property	Cs-134	Cs-137		Color	Odor	Property	Cs-134	Cs-137											
R i v e r s	73	After the confluence with Ishimunagawa River	Koriyama City	2012/05/04	Cloudy	16.0	Dark reddish yellow	None	Sandy	<6.6	130	210	0.38	Very dark yellow	Earth	Loamy	<23	2,500	3,600	0.50					
				2012/07/18	Cloudy	25.5	Dark reddish yellow	None	Sandy	<8.1	210	350	0.36	Dark reddish yellow	Grass	Loamy	<17	1,500	2,400	0.43					
				2012/10/02	Cloudy	19.5	Dark reddish yellow	Earth	Sandy	<9.5	400	670	0.37	Very dark reddish yellow	Earth	Loamy	<14	1,000	1,700	0.38					
				2012/10/31	Sunny	12.6	Dull reddish yellow	Grass	Sandy	<11	520	870	0.30	Very dark reddish yellow	Grass	Loamy	<24	2,400	4,100	0.49					
				2012/12/26	Sunny	-1.5	Dark yellow red	Earth	Sandy	<17	1,500	2,800	0.29	Very dark yellow red	Earth	Loamy	<16	1,500	2,700	0.37					
	2013/01/23	Sunny	-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				
	74	Kamiesckishitabashi Bridge	Gohyakugawa River	Motoyoshi City	2012/05/06	Sunny	18.3	Dark reddish yellow	Earth	Loamy	<21	1,600	2,300	0.77	Dark yellow red	Earth	Loamy	<23	2,400	3,500	1.03				
					2012/07/18	Cloudy	29.0	Very dark reddish yellow	Grass	Loamy	<26	4,400	6,800	1.11	Dark reddish yellow	Grass	Sandy	<21	2,000	3,100	0.71				
					2012/10/02	Cloudy	19.7	Dull reddish yellow	Earth	Loamy/skeletal	<20	2,000	3,400	0.90	Very dark reddish yellow	Earth	Loamy	<20	2,200	3,500	0.83				
					2012/10/29	Sunny	15.6	Dark yellow red	None	Loamy	<34	5,500	9,300	0.77	Very dark reddish yellow	None	Loamy	<21	2,100	3,700	0.80				
					2012/12/21	Cloudy	0.3	Dark reddish yellow	Faint earth	Sandy	<16	950	1,700	0.66	Dark reddish yellow	Earth	Loamy	<39	6,000	10,000	1.07				
	75	Before the confluence with Abukumagawa River	Abukumagawa River	Motoyoshi City	2013/01/23	Sunny	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
					2012/05/01	Sunny	20.2	Very dark greenish yellow	Earth	Loamy	<44	6,900	9,600	1.29	Very dark yellow red	Earth	Loamy	<16	990	1,500	1.37				
					2012/05/09	Cloudy	21.0	Dark reddish yellow	None	Loamy	<35	4,300	6,200	1.24	Dark reddish yellow	None	Loamy	<19	1,700	2,500	1.55				
					2012/06/07	Sunny	24.0	Very dark reddish yellow	Faint earth	Loamy	<30	4,100	6,600	1.33	Very dark yellow red	Earth	Loamy	<21	1,500	2,400	1.47				
					2012/07/18	Cloudy	30.0	Dark reddish yellow	None	Sandy	<6.0	120	210	0.76	-	-	-	-	-	-	-	-	-	(Right bank) Unable to enter	
					2012/08/07	Sunny	30.2	Dark reddish yellow	Faint earth	Loamy/sandy	<7.3	180	300	0.72	-	-	-	-	-	-	-	-	-	-	(Right bank) Unable to enter
					2012/08/29	Sunny	31.5	Soft reddish yellow	None	Sandy	<7.4	140	250	0.70	Dark yellow	None	Sandy	<5.8	94	160	0.33				
					2012/10/03	Cloudy	20.0	Very dark reddish yellow	Earth	Sandy	<7.7	180	310	0.66	Very dark yellow red	Faint earth	Sandy	<11	300	530	0.66				
					2012/10/29	Sunny	13.8	Soft yellow red	None	Sandy	<8.3	160	280	0.64	Soft yellow red	None	Sandy	<9.6	390	640	0.76				
					2012/12/21	Sunny	0.3	Dark reddish yellow	Earth	Loamy	<15	720	1,300	0.97	Dark reddish yellow	Faint earth	Loamy/sandy	<21	2,300	4,100	1.31				
2013/01/17	Cloudy	-2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground						
2013/02/08	Snow	-2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(Right bank) Unable to collect samples due to construction					
2013/03/01	Cloudy	4.6	Dark reddish yellow	Faint earth	Sandy	<6.3	150	290	0.60	-	-	-	-	-	-	-	-	-	-	(Right bank) Unable to collect samples due to construction					
76	Abukumagawa River	Takadabashi Bridge	Nihonmatsuchi City	2012/05/01	Sunny	21.2	Very dark reddish yellow	Earth	Loamy	<14	900	1,300	1.11	Dark yellow	Faint earth	Sandy	<9.3	260	370	0.86					
				2012/05/09	Cloudy	22.0	Very dark yellow	None	Loamy	<25	3,600	5,300	1.09	Very dark reddish yellow	None	Sandy	<12	650	910	0.54					
				2012/06/06	Cloudy	24.0	Very dark reddish yellow	Earth	Loamy	<16	1,500	2,300	1.13	Dark yellow red	Earth	Sandy	<15	1,000	1,500	0.84					
				2012/07/09	Sunny	29.0	Very dark yellow red	Earth	Loamy	<17	1,700	2,900	0.84	Dark reddish yellow	Earth	Sandy	<11	600	990	0.60					
				2012/08/08	Cloudy	24.1	Very dark reddish yellow	Earth	Loamy	<18	1,800	3,000	1.02	Dull reddish yellow	Faint earth	Sandy	<13	780	1,300	0.64					
				2012/08/29	Sunny	34.0	Dark reddish yellow	Grass	Loamy	<24	2,600	4,200	0.77	Dull reddish yellow	Faint grass	Loamy	<21	2,700	4,300	0.76					
				2012/10/18	Cloudy	19.0	Dark yellow	Earth	Loamy	<18	1,800	3,000	0.57	Dark yellow	Earth	Loamy	<12	550	890	1.00					
				2012/11/14	Sunny	9.0	Very dark reddish yellow	Earth	Loamy	<20	1,800	3,200	1.27	Very dark reddish yellow	Earth	Loamy	<18	1,000	1,800	0.92					
				2012/12/20	Sunny	1.3	Very dark reddish yellow	Earth	Loamy	<18	1,300	2,400	0.95	Dark reddish yellow	Faint earth	Sandy	<15	950	1,800	0.78					
				2013/01/10	Sunny	-0.6	Very dark reddish yellow	Earth	Loamy	<18	1,300	2,400	0.91	Dull reddish yellow	Faint earth	Sandy	<16	1,100	2,000	0.68					
				2013/02/07	Sunny	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/02/28	Sunny	5.5	Very dark yellow red	Faint earth	Loamy	<18	1,600	3,000	0.88	Dark reddish yellow	Faint earth	Loamy	<26	2,400	4,400	0.71					
				2012/05/06	Sunny	26.9	Very dark reddish yellow	Earth	Loamy	<16	1,100	1,600	0.51	Very dark reddish yellow	Earth	Loamy	<14	980	1,400	0.39					
				77	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsuchi City	2012/07/09	Cloudy	23.0	Very dark yellow red	Earth	Loamy	<12	730	1,200	0.48	Very dark reddish yellow	Earth/faint grass	Loamy	<19	1,700	2,700	0.38	
2012/10/04	Rain	16.3	Dark reddish yellow					Earth	Sandy	<14	1,100	1,800	0.47	Very dark yellow red	Earth	Loamy	<16	1,200	2,000	0.40					
2012/10/30	Cloudy	14.8	Dark reddish yellow					Earth	Loamy/skeletal	<12	720	1,200	0.44	Very dark reddish yellow	Earth	Loamy	<23	2,500	4,100	0.45					
2013/01/10	Sunny	0.7	Dark reddish yellow					Earth	Loamy	<14	1,000	1,900	0.38	Very dark yellow red	Faint earth	Loamy	<13	650	1,200	0.35					
2013/02/01	Sunny	5.5	-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	

Table 4.3.1.3 (2) Fukushima Pref. (Nakadori Area) River (Surrounding Environment)

Sampling point				Surrounding Environment (Soil and Air Dose)															Remarks					
				No.	Point	Municipality	Sampling date	Weather	Air temperature °C	Left bank						Right bank								
										Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose µSv/h	Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose µSv/h	
										Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			Color	Odor		Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137		
78	Utsunogawa River	Otagowabashi Bridge	Nihonmatsushi City	2012/04/30	Cloudy	22.5	Very dark yellow	Faint earth	Sandy	-18	1,400	2,000	0.69	Soft reddish yellow	None	Sandy	<13	710	1,000	0.66				
				2012/05/09	Cloudy	18.0	Very dark reddish yellow	None	Loamy	<18	1,300	1,900	0.68	Dark reddish yellow	None	Sandy	<14	790	1,200	0.69				
				2012/06/06	Rain	20.1	Very dark yellow	Faint earth	Sandy	<19	1,400	2,000	0.73	Dark grayish reddish yellow	Faint earth	Sandy	<13	730	1,100	0.75				
				2012/07/09	Sunny	30.0	Very dark reddish yellow	Earth	Loamy	<27	3,800	5,900	0.79	Very dark yellow red	Earth	Loamy	<18	1,300	2,200	0.87				
				2012/08/08	Cloudy	25.3	Dark reddish yellow	Faint earth	Loamy	<13	700	1,100	0.70	Dark reddish yellow	Faint earth	Loamy	<17	1,400	2,300	0.98				
				2012/08/29	Sunny	33.0	Dark reddish yellow	Earth	Sandy	<16	1,100	1,900	0.57	Dull reddish yellow	Grass	Loamy	<21	1,700	2,700	0.72				
				2012/10/03	Rain	18.0	Very dark reddish yellow	Faint earth	Loamy	<21	2,300	3,800	0.73	Dark yellow	Faint earth	Loamy	<24	1,900	3,300	0.90				
				2012/11/13	Cloudy	12.9	Dark yellow red	Earth	Loamy	<15	1,100	1,800	0.70	Dark yellow red	Earth	Sandy	<16	1,100	2,000	0.91				
				2012/12/20	Sunny	-3.8	Dark reddish yellow	None	Sandy	<17	1,100	1,900	0.86	Dark reddish yellow	Faint earth	Sandy	<18	1,300	2,300	0.90				
				2013/01/10	Sunny	2.5	Very dark reddish yellow	Faint earth	Sandy	<23	2,200	4,300	0.96	Dark reddish yellow	Faint earth	Sandy	<20	1,400	2,600	0.84				
				2013/02/07	Sunny	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/02/28	Sunny	12.0	Dark reddish yellow	Faint earth	Sandy	<16	920	1,800	0.50	Dark reddish yellow	Faint earth	Loamy	<22	1,700	3,300	0.82				
				79	Mizuharagawa River	Gotouchibashi Bridge	Nihonmatsushi City	2012/05/06	Sunny	23.0	Very dark reddish yellow	Earth	Loamy	<23	3,000	4,400	1.19	Very dark reddish yellow	Faint earth	Loamy	<16	1,700	2,500	1.23
								2012/07/10	Sunny	24.0	Very dark yellow red	Earth	Loamy	<17	1,600	2,500	1.14	Very dark reddish yellow	-	Loamy	<20	2,300	3,600	1.13
2012/10/04	Cloudy	19.0	Very dark reddish yellow					Earth	Loamy	<28	4,100	6,800	1.04	Very dark reddish yellow	Earth	Loamy/skeletal	<25	3,100	5,300	1.13				
2012/11/01	Cloudy	15.2	Dark yellow red					Faint earth	Loamy	<30	3,800	6,500	1.07	Dark reddish yellow	Earth	Loamy	<22	2,900	5,000	1.08				
2012/12/20	Cloudy	2.5	Very dark yellow red					Earth	Loamy	<13	940	1,700	1.17	Very dark reddish yellow	Earth	Loamy	<20	2,400	4,200	1.15				
2013/02/12	Cloudy	0.6	Very dark reddish yellow					Earth	Loamy	<22	2,500	4,600	0.82	-	-	-	-	-	-	-	-	-	(Right bank) Unable to collect samples due to snow on the ground	
2012/05/06	Sunny	22.2	Very dark reddish yellow					Faint earth	Sandy	<16	1,300	2,000	1.06	Dull reddish yellow	Faint earth	Sandy	<12	910	1,400	0.92				
2012/07/10	Sunny	31.0	Dark reddish yellow					Earth	Loamy	<20	2,200	3,400	0.82	Very dark reddish yellow	Earth	Loamy	<17	1,400	2,200	0.77				
2012/10/04	Cloudy	21.7	Very dark reddish yellow					Earth	Loamy	<20	1,700	2,900	0.81	Very dark reddish yellow	Earth	Loamy/skeletal	<15	1,300	2,300	0.83				
2012/11/01	Sunny	12.2	Dark reddish yellow					Faint earth	Loamy	<17	1,700	3,000	0.83	Dull reddish yellow	Earth	Sandy	<14	650	1,100	0.77				
80	Megami-gawa River	Tsurumakibashi Bridge	Fukushima City	2012/12/20	Sunny	4.7	Very dark yellow red	Earth	Loamy	<12	530	970	0.57	Very dark yellow red	Earth	Loamy	<15	1,100	1,900	0.58				
				2013/02/12	Cloudy	2.6	Very dark reddish yellow	Earth	Loamy	<20	2,100	3,900	0.72	Very dark reddish yellow	Earth	Loamy/skeletal	<17	1,800	3,400	0.61				
				2012/04/30	Sunny	26.5	Dark reddish yellow	Earth	Loamy	<21	3,100	4,500	0.71	Dark reddish yellow	Earth	Loamy	<47	9,600	14,000	0.83				
				2012/05/08	Cloudy	18.5	Very dark reddish yellow	None	Loamy	<25	3,400	5,100	0.79	Dark reddish yellow	None	Loamy	<23	3,600	5,400	0.83				
				2012/06/06	Cloudy	25.0	Dark yellow red	Earth	Loamy	<20	1,700	2,500	1.20	Dull reddish yellow	Earth	Loamy	<39	7,000	11,000	1.12				
				2012/07/10	Sunny	31.3	Very dark yellow red	Earth	Loamy	<23	3,200	5,100	0.86	Very dark yellow red	Earth	Loamy	<23	3,300	5,400	0.84				
				2012/08/08	Cloudy	26.8	Dull reddish yellow	Earth	Loamy	<18	1,900	3,000	0.59	Dull reddish yellow	Earth	Loamy	<38	7,500	12,000	0.93				
				2012/08/28	Sunny	32.5	Dark yellow red	None	Loamy	<29	5,300	8,500	1.16	Dull reddish yellow	Faint grass	Loamy	<34	7,400	12,000	0.85				
				2012/10/18	Cloudy	20.0	Dark yellow red	Earth	Loamy	<30	5,400	9,100	0.91	Dull yellow red	Earth	Loamy	<26	3,300	5,500	0.89				
				2012/11/13	Cloudy	16.5	Very dark reddish yellow	Earth	Sandy	<12	670	1,200	0.28	Very dark reddish yellow	Earth	Loamy	<30	4,800	8,400	0.75				
				2012/12/17	Cloudy	5.1	Very dark reddish yellow	Earth	Loamy/sandy/skeletal	<6.0	120	210	0.27	Very dark reddish yellow	Earth	Loamy/skeletal	<17	1,800	3,300	0.77				
				2013/01/09	Snow	-0.2	Very dark yellow red	Earth	Loamy	<19	2,000	3,700	0.76	Very dark reddish yellow	Earth	Loamy	<36	6,700	12,000	0.82				
				2013/02/07	Sunny	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2013/02/27	Cloudy	6.5	Very dark yellow red	Faint earth	Loamy	<20	1,800	3,500	0.73	Very dark reddish yellow	Earth	Loamy	<20	2,200	4,100	0.81				
				82	Nigorigawa River	Before the confluence with Omorigawa River	Fukushima City	2012/05/06	Cloudy	23.8	Very dark reddish yellow	Earth	Loamy	<21	2,000	3,000	1.17	Dark reddish yellow	Earth	Loamy	<14	1,300	2,000	1.01
								2012/07/10	Sunny	31.0	Very dark reddish yellow	Earth	Loamy	<35	6,200	9,900	1.25	Dark yellow	Earth	Loamy	<22	3,400	5,300	1.00
2012/10/03	Cloudy	19.2	Very dark reddish yellow					Earth	Loamy	<21	2,300	3,900	1.05	Dark reddish yellow	Earth	Loamy	<28	4,400	7,400	0.97				
2012/11/02	Cloudy	8.4	Very dark yellow red					Earth	Loamy	<20	2,200	3,700	1.08	Dull reddish yellow	Earth	Sandy	<15	1,400	2,400	0.98				
2012/12/27	Sunny	1.9	Very dark reddish yellow					Earth	Loamy	<17	1,400	2,600	1.01	Very dark yellow	Earth	Loamy	<23	3,200	5,800	0.92				
2013/02/13	Sunny	2.3	Yellow reddish black					Earth	Loamy	<26	3,400	6,300	1.05	Dull reddish yellow	Grass, earth	Loamy	<18	2,000	3,800	1.02				
2012/05/06	Rain	14.0	Dull yellow red					Earth	Loamy	<8.6	340	530	0.26	Very dark reddish yellow	Faint earth	Loamy	<14	910	1,400	0.24				
2012/07/10	Sunny	34.0	Very dark reddish yellow					Earth	Sandy	<5.3	95	160	0.16	Very dark yellow red	Earth	Loamy	<16	730	1,200	0.21				
2012/08/29	Sunny	29.0	Strong reddish yellow					None	Sandy	<7.0	120	180	0.11	Soft reddish yellow	None	Sandy	<9.5	530	880	0.15				
2012/11/01	Cloudy	8.0	Dark yellow red					None	Sandy	<14	920	1,600	0.18	Dark yellow red	Earth	Loamy	<22	1,200	2,100	0.23				
83	Arakawa River	Hinokurabashi Bridge	Fukushima City	2012/12/27	Cloudy	-0.5	Dark reddish yellow	Earth	Sandy/skeletal	<9.8	560	1,000	0.18	Very dark reddish yellow	Faint earth	Loamy/skeletal	<20	1,100	2,000	0.23				
				2013/02/28	Sunny	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		

Table 4.3.1.3 (2) Fukushima Pref. (Nakadori Area) River (Surrounding Environment)

Sampling point				Surrounding Environment (Soil and Air Dose)															Remarks					
				No.	Point	Municipality	Sampling date	Weather	Air temperature °C	Left bank						Right bank								
										Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h	Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h	
										Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			Color	Odor		Property	Radioactive iodine I-131	Cs-134		Cs-137
84	Sakawa River	Sukawabashi Bridge	2012/05/05	Cloudy	20.0	Very dark yellow red	Earth	Loamy		<18	1,700	2,400	0.50	Very dark reddish yellow	Faint earth	Loamy		<16	1,300	1,900	0.80			
			2012/07/10	Sunny	33.0	Very dark reddish yellow	Earth	Loamy		<17	1,200	1,900	0.57	Dark yellow red	Earth	Loamy		<43	6,500	10,000	0.75			
			2012/10/03	Rain	17.0	Dark yellow red	Earth	Loamy		<42	6,300	10,000	1.42	Very dark reddish yellow	Earth	Loamy		<38	4,500	7,500	1.47			
			2012/11/01	Cloudy	5.8	Very dark yellow red	None	Loamy		<33	5,100	8,600	1.05	Dark yellow red	Earth	Loamy		<42	5,900	9,900	0.45			
			2012/12/20	Snow	2.1	Reddish yellowish black	Earth	Loamy		<19	1,100	2,100	0.32	Reddish yellowish black	Earth	Loamy		<50	13,000	23,000	0.32			
			2013/02/13	Cloudy	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.
85	Ankawa River	Before the confluence with Abukumagawa River	2012/04/30	Cloudy	24.1	Dull reddish yellow	Faint earth	Sandy		<32	4,800	7,100	1.60	Dark reddish yellow	Earth	Loamy		<43	7,400	11,000	1.88			
			2012/05/08	Cloudy	20.5	Dark reddish yellow	None	Sandy		<34	5,500	8,000	1.60	Very dark reddish yellow	None	Loamy		<46	8,600	12,000	1.90			
			2012/06/06	Cloudy	21.8	Dull reddish yellow	Faint earth	Loamy		<28	3,000	4,500	1.89	Very dark reddish yellow	Earth	Loamy		<49	8,000	12,000	2.18			
			2012/07/12	Rain	26.0	Very dark yellow red	Earth	Loamy		<34	4,100	6,800	1.36	Very dark reddish yellow	-	Loamy		<24	2,900	4,500	1.52			
			2012/08/08	Cloudy	26.2	Dull reddish yellow	Faint earth	Loamy		<35	5,500	8,700	1.72	Dark yellow red	Earth	Loamy		<26	4,200	6,900	1.69			
			2012/08/28	Sunny	36.0	Dull yellow red	None	Sandy		<20	2,100	3,300	1.53	Dark reddish yellow	Earth	Loamy		<31	4,500	7,200	1.69			
			2012/10/18	Cloudy	19.0	Dull reddish yellow	Earth	Loamy		<27	2,800	4,800	1.48	Dark yellow red	Earth	Loamy		<25	3,900	6,600	1.72			
			2012/11/12	Cloudy	15.4	Very dark reddish yellow	Earth	Loamy		<35	4,600	7,900	1.43	Very dark reddish yellow	Earth	Loamy		<36	6,200	11,000	2.18			
			2012/12/06	Cloudy	5.8	Dark yellow red	Earth	Loamy		<16	1,400	2,500	1.30	Dark yellow red	Earth	Loamy		<16	1,400	2,400	1.47			
			2013/01/09	Snow	0.2	Dark reddish yellow	Faint earth	Loamy		<27	2,700	4,800	1.40	Very dark yellow red	Faint earth	Loamy		<26	2,800	5,100	1.57			
			2013/01/29	Sunny	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
			2013/02/17	Sunny	2.9	Dark reddish yellow	Earth	Loamy		<18	2,000	3,600	1.02	Dark reddish yellow	Earth	Loamy		<29	4,100	7,800	1.23			
			2012/04/30	Cloudy	21.0	Very dark yellow red	Earth	Loamy		<40	8,600	13,000	2.48	Dark yellow	Earth	Loamy		<11	600	870	1.41			
			86	Matsukawa River	Before the confluence with Abukumagawa River	2012/05/08	Cloudy	23.0	Very dark yellow	None	Loamy		<33	6,400	9,300	2.06	Dull yellow red	None	Loamy		<16	1,700	2,500	1.42
2012/06/05	Cloudy	23.6				Very dark reddish yellow	Earth	Loamy		<45	7,600	11,000	2.24	Dark reddish yellow	Faint earth	Loamy		<19	1,700	2,600	1.57			
2012/07/11	Sunny	32.0				Very dark yellow red	Earth	Loamy		<40	8,500	13,000	2.34	Very dark reddish yellow	Earth	Loamy		<19	2,600	4,100	1.36			
2012/08/08	Cloudy	20.5				Soft yellow red	Earth	Loamy		<47	12,000	18,000	2.62	Soft yellow red	Earth	Loamy		<25	3,400	5,500	1.50			
2012/08/28	Cloudy	31.8				Soft reddish yellow	None	Loamy		<29	4,800	7,900	1.48	Soft reddish yellow	Grass	Loamy		<42	11,000	17,000	1.88			
2012/10/18	Cloudy	17.2				Dull yellow red	Earth	Loamy		<16	1,700	2,900	0.61	Soft reddish yellow	Earth	Loamy		<12	650	1,100	1.51			
2012/11/12	Cloudy	12.6				Very dark reddish yellow	Earth	Loamy		<33	5,400	9,500	2.70	Dark reddish yellow	Earth	Loamy/sandy		<17	1,700	2,800	1.39			
2012/12/17	Cloudy	6.7				Very dark reddish yellow	Earth	Loamy		<34	5,800	10,000	1.90	Very dark yellow red	Earth	Loamy/sandy		<15	1,200	2,200	1.32			
2013/01/09	Snow	1.1				Very dark yellow red	Earth	Loamy		<33	5,700	11,000	1.86	Very dark reddish yellow	Faint earth	Loamy		<18	1,900	3,500	1.36			
2013/02/06	Snow	-1.0				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	
2013/02/28	Cloudy	5.2				Very dark reddish yellow	Earth	Loamy		<26	3,300	6,200	1.82	Dark reddish yellow	Faint earth	Loamy		<18	1,900	3,600	1.19			
2012/05/05	Sunny	22.0				Very dark reddish yellow	Earth/grass	Loamy		<14	1,200	1,800	0.68	Very dark reddish yellow	Earth/grass	Loamy		<15	1,000	1,500	0.81			
2012/07/11	Sunny	33.0				Very dark reddish yellow	Earth	Loamy		<24	3,600	5,600	0.64	Very dark reddish yellow	Earth	Loamy		<14	1,400	2,200	0.75			
2012/10/03	Cloudy	18.8				Dark reddish yellow	Earth	Loamy		<18	1,800	2,900	0.68	Dull reddish yellow	Earth	Sandy		<12	980	1,600	0.75			
2012/10/31	Cloudy	17.6	Dark reddish yellow	Earth	Loamy		<21	2,900	5,000	0.67	Dark reddish yellow	Earth	Sandy		<19	2,000	3,400	0.76						
2012/12/27	Sunny	3.3	Very dark yellow red	Earth	Loamy/skeletal		<15	1,500	2,800	0.89	Very dark yellow red	Earth	Loamy		<19	1,600	3,000	0.74						
2013/02/25	Cloudy	-1.0	Very dark yellow red	Earth	Loamy		<15	1,100	2,000	0.53	-	-	-	-	-	-	-	-	-	(Right bank) Unable to collect samples due to snow on the ground.				
88	Surikamigawa River	Totsunabashi Bridge	2012/05/05	Sunny	21.0	Very dark yellow red	Earth	Sandy		<16	1,300	1,900	0.86	Dark reddish yellow	Grass	Loamy		<16	1,200	1,800	0.93			
			2012/07/05	Cloudy	24.3	Dull reddish yellow	Earth	Sandy		<18	1,300	2,000	0.72	Dark reddish yellow	Earth	Sandy		<21	2,900	4,500	0.95			
			2012/09/13	Sunny	28.0	Dull reddish yellow	Grass	Loamy		<20	2,200	3,700	0.72	Grayish yellow green	None	Loamy/skeletal		<32	3,200	5,200	0.77			
			2012/10/31	Cloudy	16.7	Dull reddish yellow	None	Sandy		<25	3,500	5,800	0.66	Dull reddish yellow	None	Sandy		<19	2,100	3,600	0.70			
			2012/12/27	Sunny	1.4	Dark reddish yellow	None	Sandy		<19	1,900	3,500	0.48	Dark reddish yellow	None	Loamy/skeletal		<25	3,600	6,500	0.75			
			2013/02/13	Cloudy	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground.	

Table 4.3.1.3 (2) Fukushima Pref. (Nakadori Area) River (Surrounding Environment)

No.	Sampling point		Municipality	Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)													Remarks						
							Left bank						Right bank													
							Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h	Soil			Radioactive material concentrations (Bq/kg (dry))				Air dose μSv/h					
							Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137								
89	Sarikamigawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/04/30	Cloudy	17.5	Very dark reddish yellow	Earth	Sandy		<17	1,400	2,000	0.88	Dark reddish yellow	Faint earth	Sandy		<13	1,200	1,800	1.01				
				2012/05/08	Cloudy	25.0	Very dark reddish yellow	None	Loamy		<21	1,700	2,500	0.79	Dark reddish yellow	None	Loamy		<12	1,000	1,500	1.05				
				2012/06/05	Cloudy	27.2	Very dark reddish yellow	Faint earth	Loamy		<32	4,000	6,100	0.79	Dark reddish yellow	Faint earth	Loamy		<13	1,000	1,500	1.05				
				2012/07/05	Cloudy	26.5	Very dark reddish yellow	Earth	Loamy/sandy		<28	4,400	6,900	0.82	Dark yellow	Earth	Sandy		<12	970	1,500	1.08				
				2012/08/09	Cloudy	23.1	Dark reddish yellow	Faint earth	Loamy		<24	3,700	5,900	0.72	Soft reddish yellow	Earth	Loamy		<21	2,900	4,700	1.13				
				2012/08/28	Cloudy	32.0	Very dark reddish yellow	Earth	Loamy		<26	4,000	6,500	1.04	Very pale reddish yellow	None	Loamy/skeletal		<21	3,200	5,200	0.90				
				2012/10/23	Rain	14.7	Very dark yellow red	Earth	Loamy		<22	2,100	3,700	1.14	Very dark reddish yellow	Earth	Loamy		<37	8,500	14,000	1.03				
				2012/11/12	Cloudy	14.4	Very dark yellow red	Earth	Loamy		<22	3,100	5,200	0.68	Dark reddish yellow	None	Loamy/skeletal		<19	2,500	4,400	0.96				
				2012/12/06	Sunny	6.4	Very dark reddish yellow	Earth	Loamy		<20	2,200	4,000	0.87	Very dark reddish yellow	Earth	Loamy		<18	1,700	2,900	0.81				
				2013/01/09	Cloudy	-0.6	Dark yellow red	Earth	Loamy		<16	1,300	2,300	0.69	Dark reddish yellow	None	Loamy		<14	1,300	2,400	0.91				
				2013/01/30	Cloudy	3.9	Very dark reddish yellow	None	Loamy		<20	1,500	3,000	0.58	Dark reddish yellow	None	Loamy		<14	1,100	2,100	0.79				
				2013/02/20	Sunny	1.9	Very dark reddish yellow	Earth	Loamy		<30	4,300	7,900	0.62	Soft yellow	Earth	Loamy		<14	1,000	1,900	1.01				
				90	Abukumagawa River	Tatebashi Bridge	Date City	2012/04/29	Sunny	22.6	Dark reddish yellow	Faint earth	Loamy/skeletal		<13	1,200	1,700	0.32	Very yellow	Green grass	Loamy		<18	1,500	2,100	0.68
								2012/05/08	Cloudy	23.0	Dark reddish yellow	Earth	Loamy/skeletal		<15	820	1,200	0.51	Very dark reddish yellow	None	Loamy		<20	2,100	3,100	0.67
								2012/06/05	Cloudy	27.9	Dull reddish yellow	Faint earth	Loamy		<12	810	1,300	0.33	Dark yellow red	Faint earth	Loamy		<18	1,900	2,900	0.77
2012/07/11	Sunny	31.0	Dark reddish yellow					Earth	Loamy		<5.1	88	130	0.19	Very dark yellow red	Earth	Loamy		<28	3,300	5,300	0.76				
2012/08/09	Cloudy	25.4	Soft reddish yellow					Faint earth	Loamy		<4.3	79	130	0.19	Dull yellow	Earth	Loamy		<37	5,300	8,500	0.82				
2012/08/28	Sunny	30.1	Soft reddish yellow					Earth	Loamy		<18	2,200	3,500	0.31	Dull reddish yellow	Grass	Sandy/skeletal		<18	2,000	3,200	0.59				
2012/10/18	Cloudy	19.0	Dull reddish yellow					Earth	Loamy		<5.1	73	130	0.29	Dull yellow red	Earth	Loamy		<25	2,800	4,800	1.07				
2012/11/13	Sunny	10.7	Very dark reddish yellow					Earth	Loamy		<3.3	55	87	0.18	Very dark reddish yellow	Earth	Loamy		<17	1,400	2,400	0.66				
2012/12/06	Sunny	6.1	Very dark reddish yellow					Earth	Loamy		<18	1,400	2,300	0.57	Very dark reddish yellow	Faint earth	Loamy		<9.9	590	1,000	0.66				
2012/12/19	Snow	4.1	Dark reddish yellow					Earth	Loamy		<4.3	54	110	0.16	Very dark reddish yellow	Earth	Loamy		<22	2,400	4,200	0.11				
2013/01/14	Snow	1.7	-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
2013/02/06	Snow	0.0	-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
91	Hirosegawa River	Tatenokoshibashi Bridge	Kawanamachi Town					2012/05/05	Cloudy	16.1	Very dark reddish yellow	Earth	Loamy		<11	430	630	0.68	Very dark greenish yellow	Faint earth	Loamy		<16	1,300	1,800	0.83
								2012/07/10	Sunny	35.0	Very dark yellow	Earth	Loamy		<16	1,200	1,900	0.68	Very dark yellow	Earth	Loamy		<14	1,200	1,800	0.75
								2012/10/04	Cloudy	15.8	Very dark reddish yellow	Faint earth	Loamy		<14	1,200	2,000	0.72	Very dark reddish yellow	Earth	Loamy/sandy		<17	1,500	2,600	0.74
				2012/11/12	Rain	13.1	Dark reddish yellow	Earth	Loamy/sandy		<15	1,200	2,100	0.66	Very dark reddish yellow	Earth	Loamy		<50	8,900	15,000	0.57				
				2012/12/19	Sunny	5.0	Very dark yellow red	Earth	Loamy		<9.5	460	850	0.87	Very dark reddish yellow	Earth	Skeletal		<53	9,700	17,000	0.83				
				2013/02/12	Cloudy	1.9	Dark reddish yellow	Earth	Loamy		<15	860	1,600	0.59	Very dark reddish yellow	Earth	Loamy		<21	2,200	4,000	0.52				
				92	Hirosegawa River	Jizogawarabashi Bridge	Date City	2012/05/05	Cloudy	19.7	Dark reddish yellow	Earth	Sandy		<32	4,200	6,000	0.93	Very dark reddish yellow	Earth	Loamy		<19	1,300	1,900	1.18
								2012/07/12	Cloudy	24.0	Very dark yellow red	Earth	Loamy		<17	1,500	2,400	0.86	Very dark yellow red	Earth	Loamy		<23	3,400	5,400	0.88
								2012/10/03	Rain	17.6	Very dark reddish yellow	Earth	Loamy		<29	4,100	6,700	0.71	Very dark reddish yellow	Earth	Loamy		<23	3,100	5,200	0.62
								2012/10/31	Cloudy	16.4	Very dark reddish yellow	None	Sandy		<17	1,400	2,400	0.82	Dark reddish yellow	Earth	Sandy		<21	2,700	4,600	0.72
2012/12/19	Sunny	4.1	Very dark yellow red					Earth	Loamy		<14	900	1,600	0.27	Very dark yellow red	Earth	Loamy		<14	1,100	2,000	0.31				
2013/01/15	Cloudy	-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				
2013/02/06	Snow	-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				

Table 4.3.1.3 (2) Fukushima Pref. (Nakadori Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)														Remarks					
						Left bank							Right bank												
						Soil			Radioactive material concentrations (Bq/kg (dry))				Air dose μSv/h	Soil			Radioactive material concentrations (Bq/kg (dry))				Air dose μSv/h				
						Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Color		Odor	Property	Radioactive iodine I-131	Radioactive cesium								
				Cs-134	Cs-137					Cs-134	Cs-137														
93	Oganigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/04/29	Sunny	26.1	Very dark reddish yellow	Earth	Loamy		<17	1,600	2,300	0.65	Dark reddish yellow	Earth	Loamy		<22	2,900	4,400	0.75			
				2012/05/08	Sunny	21.0	Strong reddish yellow	None	Loamy		<16	1,200	1,700	0.71	Strong reddish yellow	None	Loamy		<12	910	1,300	0.74			
				2012/06/05	Cloudy	27.0	Very dark yellow red	Faint earth	Loamy		<18	1,700	2,600	0.74	Very dark yellow red	Faint earth	Loamy		<18	2,000	3,000	0.84			
				2012/07/12	Cloudy	26.0	Very dark reddish yellow	Earth	Loamy		<22	2,800	4,500	0.63	Very dark reddish yellow	Earth	Loamy		<20	2,100	3,300	0.81			
				2012/08/09	Cloudy	26.4	Dull reddish yellow	Earth	Loamy		<19	1,800	2,900	0.71	Soft reddish yellow	Earth	Loamy		<25	3,000	4,900	0.72			
				2012/08/28	Sunny	33.0	Dark reddish yellow	Earth	Loamy		<27	2,800	4,300	0.60	Dark reddish yellow	Earth	Loamy/skeletal		<19	2,100	3,400	0.83			
				2012/10/03	Cloudy	19.0	Very dark reddish yellow	None	Loamy		<21	1,900	3,200	0.63	Very dark yellow red	None	Loamy/skeletal		<21	2,700	4,500	0.75			
				2012/10/23	Rain	15.1	Dark reddish yellow	Earth	Loamy		<40	4,600	7,600	0.72	Very dark reddish yellow	Earth	Loamy		<17	1,700	2,900	0.77			
				2012/11/13	Cloudy	15.6	Dark reddish yellow	Earth	Loamy		<18	1,200	2,100	0.63	Very dark reddish yellow	Earth	Loamy		<23	2,900	5,000	0.80			
				2012/12/06	Sunny	5.4	Dark yellow red	Earth	Loamy		<35	3,200	5,400	0.63	Very dark yellow red	Earth	Loamy		<16	1,300	2,300	0.73			
				2012/12/19	Sunny	2.5	Very dark reddish yellow	Earth	Loamy		<18	1,200	2,200	0.52	Very dark reddish yellow	Earth	Loamy		<17	1,500	2,800	0.52			
				2013/01/15	Cloudy	-1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/02/05	Sunny	8.6	Very dark reddish yellow	Faint earth	Loamy		<16	1,200	2,300	0.60	Very dark reddish yellow	Faint earth	Loamy		<19	1,700	3,300	0.66			
				94	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2012/04/29	Sunny	31.5	Dark reddish yellow	Earth	Loamy		<7.4	320	460	0.68	Dark reddish yellow	Earth	Loamy		<5.7	120	170
2012/05/08	Sunny	22.7	Dark reddish yellow					Earth	Loamy		<16	1,200	1,800	0.64	Dark reddish yellow	Earth	Loamy		<11	650	930	0.54			
2012/06/05	Cloudy	25.5	Dull reddish yellow					Faint earth	Sandy		<18	1,300	2,000	0.71	Dull reddish yellow	Faint earth	Sandy		<17	1,000	1,500	0.62			
2012/07/11	Sunny	33.0	Dark yellow red					Earth	Loamy		<27	3,900	6,100	0.57	Dark yellow red	Earth	Loamy		<17	1,700	2,600	0.57			
2012/08/09	Sunny	26.0	Dull reddish yellow					Faint earth	Loamy		<15	1,300	2,100	0.64	Dull reddish yellow	Earth	Loamy		<13	1,000	1,600	0.73			
2012/08/28	Cloudy	32.0	Dull reddish yellow					None	Loamy		<13	830	1,300	0.64	Dull reddish yellow	Grass	Loamy		<14	1,100	1,800	0.62			
2012/10/18	Cloudy	17.0	Dull yellow red					Earth	Loamy		<9.4	450	730	0.76	Dull reddish yellow	Earth	Loamy		<18	1,900	3,200	0.60			
2012/11/13	Cloudy	12.1	Dull reddish yellow					Earth	Loamy		<14	800	1,400	0.50	Dull reddish yellow	Earth	Sandy		<17	1,400	2,400	0.74			
2012/12/06	Cloudy	7.4	Very dark reddish yellow					Earth	Loamy		<27	3,600	6,600	0.64	Dark yellow red	Earth	Loamy		<12	730	1,200	0.64			
2012/12/27	Cloudy	-1.8	Dark yellow red					Earth	Loamy		<21	1,900	3,600	0.56	Dark yellow red	Earth	Loamy		<12	660	1,200	0.53			
2013/01/14	Snow	0.9	-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
2013/02/13	Cloudy	6.0	Very dark reddish yellow					Earth	Loamy		<20	1,700	3,200	0.49	Dark reddish yellow	Earth	Loamy		<11	570	1,100	0.50			
2012/05/21	Cloudy	21.9	Dark grayish reddish yellow					None	Loamy		<19	1,500	2,200	0.51	Dark grayish reddish yellow	None	Loamy		<17	1,300	1,900	0.54			
95	Kurokawa River	Tochigisakai	Shirakawashi City					2012/07/23	Sunny	23.0	Very dark yellow red	Grass	Loamy		<13	780	1,300	0.55	Very dark yellow red	Faint earth	Loamy		<25	1,700	2,700
				2012/08/20	Sunny	24.0	Very dark reddish yellow	Grass	Loamy		<28	3,100	5,000	0.53	Very dark reddish yellow	Faint earth	Loamy/skeletal		<34	5,200	8,300	0.53			
				2012/10/30	Sunny	18.5	Very dark reddish yellow	Grass	Loamy		<22	2,400	4,100	0.47	Very dark reddish yellow	Grass	Loamy		<22	2,100	3,600	0.51			
				2012/12/21	Cloudy	3.3	Dark yellow red	Earth	Loamy		<16	450	1,100	0.47	Very dark yellow red	Faint earth	Loamy		<26	2,400	4,300	0.43			
				2013/01/24	Sunny	0.7	Very dark reddish yellow	Earth	Loamy		<37	4,500	8,300	0.39	Very dark reddish yellow	Earth	Loamy		<27	1,900	3,400	0.37			
				2012/05/23	Cloudy	17.8	Reddish yellowish dark gray	None	Sandy		<4.7	29	41	0.13	Dark reddish yellow	None	Loamy		<7.1	250	380	0.17			
				2012/07/23	Sunny	26.1	Very dark yellow red	Earth	Loamy		<8.9	310	490	0.11	Very dark yellow red	Earth	Loamy		<7.1	120	190	0.11			
96	Matsukabashi Bridge	Tanaguramachi Town	Tanaguramachi Town	2012/08/20	Sunny	32.5	Dark reddish yellow	Earth	Loamy/skeletal		<12	640	1,000	0.15	Very dark reddish yellow	Grass	Sandy/skeletal		<13	840	1,400	0.19			
				2012/11/19	Cloudy, then rain	4.4	Dark yellow red	Earth	Loamy/skeletal		<9.4	290	500	0.17	Very dark yellow red	Faint earth	Loamy/sandy/skeletal		<8.5	400	730	0.22			
				2012/12/20	Sunny	2.2	Very dark reddish yellow	Earth	Loamy		<9.7	310	550	0.15	Very dark reddish yellow	Earth	Loamy/skeletal		<5.2	100	170	0.20			
				2013/01/14	Snow	-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
				2012/05/21	Sunny	19.5	Dark yellow red	None	Loamy		<6.5	87	140	0.13	Very dark yellow	None	Loamy		<6.6	80	120	0.11			
				2012/07/23	Sunny	27.0	Dark reddish yellow	Earth	Loamy		<12	480	770	0.17	Soft reddish yellow	None	Sandy		<8.6	430	680	0.17			
				2012/08/20	Sunny	31.0	Very dark reddish yellow	Grass	Loamy		<7.4	150	230	0.12	Very dark reddish yellow	Earth	Loamy		<7.1	120	180	0.10			
97	Fakachiharahashi Bridge	Yamatsurimachi Town	Yamatsurimachi Town	2012/11/19	Rain	6.1	Very dark yellow red	Earth	Loamy/skeletal		<13	350	590	0.13	Very dark yellow red	Earth	Loamy/skeletal		<6.8	63	93	0.12			
				2012/12/21	Sunny	4.1	Very dark reddish yellow	Earth	Loamy/skeletal		<5.6	77	150	0.12	Very dark reddish yellow	Earth	Loamy		<5.8	40	77	0.10			
				2013/01/14	Snow	0.8	Very dark reddish yellow	Faint earth	Loamy		<6.4	88	170	0.13	Very dark reddish yellow	Faint earth	Loamy		<4.6	65	120	0.12			

Table 4.3.1.3 (3) Fukushima Pref. (Aizu Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)												Remarks			
						Left bank						Right bank									
						Soil			Air dose µSv/h			Soil			Air dose µSv/h						
						General items			Radioactive material concentrations (Bq/kg (dry))			General items			Radioactive material concentrations (Bq/kg (dry))						
No.	Point	Municipality	Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium		Air dose µSv/h						
							Cs-134	Cs-137					Cs-134	Cs-137							
98	A g a g a w a Tajimabashi Bridge	Minamitazumachi Town	2012/05/24	Sunny	25.2	Dark yellow red	None	Loamy	<5.7	61	94	0.09	Dark yellow red	None	Loamy	<5.1	30	39	0.08		
			2012/07/25	Cloudy	24.5	Very dark reddish yellow	Earth	Loamy	<6.3	72	54	0.09	Very dark reddish yellow	Earth	Loamy/sandy	<4.4	19	25	0.07		
			2012/08/21	Sunny	32.0	Very dark reddish yellow	None	Loamy/skeletal	<7.3	59	89	0.08	Dull reddish yellow	Grass	Loamy/skeletal	<4.9	64	110	0.08		
			2012/11/11	Cloudy	11.5	Very dark yellow red	Earth	Loamy/skeletal	<6.3	88	160	0.08	Dark grayish reddish yellow	Earth	Loamy/skeletal	<4.8	32	62	0.08		
			2012/12/26	Snow	-5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/20	Cloudy	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
99	R i v e r Okawabashi Bridge		2012/05/24	Cloudy	28.2	Dark grayish yellowish red	None	Loamy	<5.9	100	140	0.12	Dark grayish yellow red	None	Loamy	<9.8	240	340	0.16		
			2012/07/26	Cloudy	29.0	Very dark reddish yellow	None	Loamy	<5.9	79	130	0.10	Very dark yellow red	Faint earth	Loamy	<5.1	61	97	0.12		
			2012/08/21	Sunny	34.0	Very dark yellow red	Earth	Sandy/loamy	<6.0	130	220	0.09	Very dark yellow	Faint earth	Sandy/loamy	<5.9	110	190	0.12		
			2012/11/01	Sunny	16.3	Very dark yellow red	Earth	Loamy	<6.2	95	160	0.11	Very dark reddish yellow	Earth	Loamy	<11	350	610	0.10		
			2012/12/26	Snow	-4.7	Very dark yellow	Earth	Loamy	<8.4	220	390	0.08	Very dark yellow	Earth	Loamy	<9.6	330	540	0.09		
			2013/02/20	Sunny	-6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
100	Y u k a w a Takimibashi Bridge	Aizuwakamatsushi City	2012/05/24	Sunny	27.2	Very dark reddish yellow	Faint earth	Loamy	<7.9	210	330	0.19	Reddish yellowish dark gray	None	Loamy	<11	280	400	0.19		
			2012/07/26	Sunny	29.0	Very dark yellow red	Earth	Loamy	<12	430	680	0.19	Very dark reddish yellow	Faint earth	Loamy/sandy	<4.8	15	21	0.22		
			2012/08/21	Sunny	31.0	Dull reddish yellow	Grass	Loamy	<13	660	1,100	0.20	Dark reddish yellow	None	Sandy	<6.2	76	120	0.09		
			2012/10/30	Sunny	16.7	Very dark yellow red	Earth	Loamy	<10	350	590	0.19	Dark yellow red	Earth	Loamy	<4.9	42	77	0.10		
			2012/12/27	Sunny	-0.2	Very dark yellow	Earth	Loamy/skeletal	<23	1,700	3,000	0.15	Very dark yellow	Earth	Loamy	<7.8	81	140	0.09		
			2013/02/18	Snow	-1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
101	R i v e r Shinyakawabashi Bridge		2012/05/24	Sunny	28.2	Dull reddish yellow	None	Loamy	<8.7	430	690	0.30	Dull reddish yellow	None	Loamy	<11	690	1,100	0.26		
			2012/07/24	Cloudy	24.8	Pale reddish yellow	Faint earth	Loamy	<7.2	220	370	0.31	Very dark reddish yellow	None	Loamy	<12	710	1,100	0.33		
			2012/08/22	Sunny	29.0	Soft reddish yellow	Earth	Loamy	<10	490	780	0.23	Very dark yellow	Faint grass	Loamy/skeletal	<20	2,300	3,700	0.23		
			2012/11/02	Rain	5.7	Very dark yellow red	Earth	Loamy/skeletal	<13	850	1,500	0.28	Very dark yellow red	Earth	Loamy	<9.8	380	600	0.22		
			2012/12/27	Sunny	1.7	Very dark reddish yellow	Earth	Loamy/skeletal	<9.7	460	870	0.25	Very dark yellow	Earth	Loamy/skeletal	<13	820	1,500	0.22		
			2013/02/18	Snow	-2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
102	A g a w a Before the confluence with Agagawa River		2012/05/24	Sunny	29.0	Dark yellow red	None	Loamy	<12	410	610	0.28	Dark reddish yellow	None	Loamy	<7.5	230	360	0.24		
			2012/07/24	Sunny	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27 (Left bank) Unable to collect samples due to bee hive	
			2012/08/22	Sunny	29.5	Dull reddish yellow	Faint grass	Loamy/skeletal	<22	1,800	3,000	0.28	Very pale reddish yellow	None	Sandy/loamy	<9.3	440	690	0.24		
			2012/11/01	Cloudy	13.3	Very dark reddish yellow	Earth	Loamy	<13	700	1,200	0.24	Dark yellow red	Earth	Loamy	<16	790	1,400	0.24		
			2012/12/27	Sunny	-0.6	Very dark yellow	Earth	Loamy	<12	530	990	0.18	Very dark reddish yellow	Grass	Loamy	<12	550	1,000	0.21		
			2013/02/22	Sunny	-2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
103	M i y a k a w a Saikubashi Bridge	Aizubangemachi Town	2012/05/23	Sunny	23.2	Dark yellow red	None	Loamy	<23	1,100	1,700	0.22	Dull reddish yellow	None	Sandy	<9.4	340	510	0.25		
			2012/07/24	Cloudy	28.0	Dark reddish yellow	Grass	Loamy/sandy	<7.3	250	390	0.29	Dark reddish yellow	Earth	Loamy	<11	420	670	0.22		
			2012/08/22	Sunny	34.0	Very dark reddish yellow	Earth	Loamy/skeletal	<26	3,000	4,700	0.26	Very dark yellow red	Earth	Loamy/skeletal	<16	1,100	1,800	0.23		
			2012/11/01	Sunny	19.6	Dark yellow red	Earth	Loamy	<18	1,300	2,200	0.25	Very dark yellow red	Earth	Loamy/skeletal	<20	1,500	2,600	0.23		
			2012/12/27	Snow	-1.1	Very dark yellow	Earth	Loamy/sandy	<13	500	880	0.17	Very dark yellow	Earth	Loamy	<23	1,900	3,300	0.21		
			2013/02/19	Cloudy	-1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
104	A g a w a Miyakobashi Bridge		2012/05/23	Sunny	23.2	Dark yellow red	Faint earth	Loamy	<12	500	780	0.27	Dull yellow red	None	Loamy	<11	810	1,200	0.17		
			2012/07/24	Cloudy	28.0	Dark reddish yellow	Earth	Loamy	<14	570	980	0.33	Dull reddish yellow	Faint earth	Loamy	<4.7	19	26	0.19		
			2012/08/22	Sunny	32.0	Very dark reddish yellow	Earth	Loamy	<18	1,300	2,100	0.25	Dull yellow green	None	Clayish	<4.9	<7.2	10	0.10		
			2012/11/01	Sunny	14.3	Very dark yellow red	Earth	Loamy	<14	980	1,700	0.24	Very dark yellow red	Earth	Loamy	<17	1,100	1,900	0.19		
			2012/12/27	Cloudy	-0.5	Very dark reddish yellow	Earth	Loamy	<14	700	1,300	0.16	Very dark reddish yellow	Earth	Loamy	<13	660	1,200	0.13		
2013/02/19	Cloudy	-1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			

Table 4.3.1.3(3) Fukushima Pref. (Aizu Area) River (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)												Remarks				
						Left bank						Right bank										
						Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h	Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h			
						General items		Property	Radioactive iodine I-131	Radioactive cesium			General items		Radioactive iodine I-131	Radioactive cesium						
Color	Odor	Radioactive cesium Cs-134	Cs-137	Color	Odor	Radioactive cesium Cs-134	Cs-137															
R i v e r	I n a g a w a	Ayayagbashi Bridge	Minamiazumachi Town	2012/05/30	Sunny	17.6	Very dark reddish yellow	Faint earth	Loamy	<9.5	240	390	0.12	Very dark reddish yellow	Faint earth	Loamy	<6.4	55	78	0.12		
				2012/07/25	Cloudy	27.5	Dark reddish yellow	None	Loamy/sandy	<7.1	75	120	0.13	Very dark yellow red	Grass/earth	Loamy	<9.0	280	450	0.11		
				2012/08/21	Sunny	32.0	Dull reddish yellow	Grass	Loamy/skeletal	<8.4	120	180	0.12	Very dark reddish yellow	Grass	Sandy/loamy	<6.9	170	260	0.12		
				2012/11/12	Cloudy	12.6	Very dark reddish yellow	Grass	Loamy/skeletal	<5.8	66	120	0.13	Very dark yellow red	Earth	Loamy/skeletal	<5.7	110	200	0.13		
				2012/12/26	Snow	-5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
	2013/02/20	Snow	-1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
	R i v e r	Kurosawabashi Bridge	Tadamimachi Town	2012/05/30	Sunny	19.3	Dark grayish reddish yellow	Faint earth	Loamy/sandy	<7.1	110	170	0.10	Dark grayish yellow red	Faint earth	Loamy	<6.7	44	81	0.09		
				2012/07/25	Cloudy	27.0	Soft reddish yellow	Faint earth	Sandy/loamy	<6.5	96	160	0.10	Dark reddish yellow	Faint grass	Sandy	<4.5	12	19	0.08		
				2012/08/21	Sunny	32.1	Soft reddish yellow	Faint grass	Sandy	<5.1	<8.1	<5.6	0.08	Dull reddish yellow	Faint grass	Loamy	<6.6	68	110	0.08		
				2012/11/12	Light rain	12.8	Dark grayish yellow	Earth	Loamy/sandy	<6.5	94	170	0.10	Very dark yellow red	Earth	Loamy/skeletal	<6.2	21	36	0.08		
2013/01/10				Snow	-2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
2013/02/20	Snow	-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				
2013/03/06	Sunny	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
R i v e r	T a d a m i c h i	Nishitambashi Bridge	Kaneyamamachi Town	2012/05/30	Sunny	21.8	Dark yellow red	Faint earth	Loamy	<5.8	34	48	0.07	Dark yellow red	Faint earth	Loamy	<5.7	72	100	0.07		
				2012/07/25	Cloudy	26.0	Dark yellow red	Earth	Loamy	<6.6	41	75	0.08	Very pale reddish yellow	None	Sandy	<5.4	18	27	0.09		
				2012/08/21	Sunny	29.0	Very dark reddish yellow	Grass	Loamy	<6.2	49	90	0.07	Very dark yellow	Grass	Loamy	<5.7	73	130	0.08		
				2012/10/31	Cloudy	12.2	Very dark yellow red	Earth	Loamy	<5.4	18	29	0.07	Dark reddish yellow	Earth	Loamy	<5.1	66	110	0.09		
				2013/01/09	Snow	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
	2013/01/31	Sunny	-2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
	R i v e r	Fujibashi Bridge	Aizubangemachi Town	2012/05/30	Sunny	18.8	Reddish yellowish dark gray	None	Sandy	<4.7	18	23	0.07	Very dark reddish yellow	Faint earth	Loamy	<9.2	250	370	0.14		
				2012/07/27	Cloudy	27.0	Very dark reddish yellow	None	Sandy	<4.3	16	26	0.08	Dark reddish yellow	None	Sandy	<9.9	420	680	0.25		
				2012/08/22	Sunny	35.0	Dark reddish yellow	None	Sandy	<5.1	23	45	0.06	Very dark yellow red	Earth	Loamy	<37	8,200	15,000	0.23		
				2012/10/05	Sunny, then rain	19.5	Dark yellow	Faint earth	Sandy	<5.0	13	21	0.08	Very dark reddish yellow	Faint earth	Loamy/sandy	<11	430	700	0.25		
2012/11/15				Rain	5.9	Very dark reddish yellow	Faint earth	Loamy/sandy	<7.8	170	310	0.11	Very dark reddish yellow	Faint earth	Loamy/sandy	<11	470	750	0.27			
2012/12/25	Snow	-1.2	Dark reddish yellow	Earth	Sandy	<4.6	12	25	0.09	Very dark yellow red	Earth	Loamy	<9.8	310	570	0.17						
2013/02/19	Snow	-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground				
R i v e r	A r g i g a w a	Shingo Dam	Kitakatashi City	2012/05/31	Sunny	20.7	Very dark reddish yellow	Faint earth	Loamy	<16	600	940	0.16	Very dark reddish yellow	Faint earth	Loamy	<7.9	230	340	0.11		
				2012/07/26	Sunny	33.0	Soft reddish yellow	Grass	Loamy	<5.8	43	79	0.11	Soft reddish yellow	None	Loamy	<7.6	250	410	0.09		
				2012/08/22	Sunny	34.0	Dull reddish yellow	Earth	Loamy/sandy	<9.3	280	470	0.12	Soft reddish yellow	Faint grass	Loamy	<7.4	140	220	0.10		
				2012/10/31	Cloudy	15.5	Dark yellow red	Earth	Loamy	<7.3	190	320	0.11	Very dark yellow red	Earth	Loamy	<7.7	130	240	0.10		
				2013/01/10	Snow	-0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/01/31	Sunny	-1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
R i v e r	S u k a w a	Sakawano	Itawashiroemachi Town	2012/05/31	Sunny	20.5	Dark yellow red	Faint earth	Loamy	<14	640	1,000	0.23	Dark yellow red	Faint earth	Loamy	<13	760	1,200	0.25		
				2012/07/27	Sunny	29.0	Dark reddish yellow	None	Sandy	<12	540	860	0.23	Soft reddish yellow	None	Sandy	<11	580	910	0.20		
				2012/08/23	Sunny	29.0	Pale reddish yellow	Earth	Sandy	<7.4	200	270	0.18	Dull reddish yellow	Earth	Loamy/skeletal	<9.3	520	840	0.19		
				2012/10/05	Cloudy	27.0	Dark reddish yellow	Earth	Loamy	<8.2	130	220	0.16	Very dark reddish yellow	Earth	Loamy	<17	1,100	1,900	0.22		
				2012/10/24	Cloudy	7.0	Dull reddish yellow	Earth	Sandy	<9.3	340	580	0.13	Very dark yellow red	Earth	Loamy/skeletal	<11	520	930	0.14		
				2012/11/21	Sunny	0.3	Dark yellow red	Earth	Loamy	<15	970	1,700	0.21	Very dark reddish yellow	Earth	Loamy	<11	650	1,100	0.21		
				2012/12/13	Snow	-1.0	Yellowish black	None	Sandy	<14	710	1,300	0.15	Very dark reddish yellow	Faint earth	Loamy/skeletal	<8.7	440	780	0.13		
				2013/01/07	Sunny	-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/01/29	Sunny	-2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
				2013/02/21	Cloudy	-5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground

Table 4.3.1.3(3) Fukushima Pref. (Aizu Area) 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				
						Soil			Radioactive material concentrations (Bq/kg (dry))			Soil			Radioactive material concentrations (Bq/kg (dry))							
						General items		Property	Radioactive iodine I-131	Radioactive cesium		General items		Property	Radioactive iodine I-131	Radioactive cesium						
Color	Odor	Cs-134	Cs-137	Color	Odor	Cs-134	Cs-137															
118	Naga-sawa River	Koganebashi Bridge	2012/05/31	Sunny	22.5	Very dark yellow red	Faint earth	Loamy	<12	440	670	0.11	Very dark yellow red	Faint earth	Loamy	<8.3	110	180	0.09			
			2012/07/27	Sunny	31.3	Soft reddish yellow	Earth	Loamy	<4.9	16	32	0.10	Dark reddish yellow	Earth	Loamy	<4.2	<6.5	11	0.08			
			2012/08/23	Sunny	32.0	Pale reddish yellow	None	Clayish/loamy	<7.9	250	410	0.12	Soft reddish yellow	Earth	Loamy/sandy/skeletal	<3.4	<5.5	5.4	0.06			
			2012/09/26	Sunny	25.4	Very dark yellow red	Faint grass	Loamy	<7.2	150	240	0.11	Very dark yellow red	Earth	Loamy	<9.2	200	360	0.09			
			2012/10/25	Sunny	16.0	Dark yellow red	Earth	Loamy	<11	360	610	0.10	Dark reddish yellow	Faint earth	Loamy/sandy	<4.0	6.2	11	0.08			
			2012/11/20	Rain	4.9	Dark yellow red	Earth	Loamy	<7.0	110	190	0.11	Dark reddish yellow	Earth	Loamy	<9.5	87	160	0.10			
			2012/12/13	Sunny	-2.3	Very dark reddish yellow	Earth	Loamy	<8.4	130	220	0.07	Very dark yellow	None	Loamy/sandy/skeletal	<3.6	<5.0	5.5	0.05			
			2013/01/09	Snow	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			2013/01/29	Sunny	-1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/21	Cloudy	-4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
119	Iwagahara River	Shirabashi Bridge	2012/06/21	Cloudy	19.0	Very dark yellow red	Grass	Loamy/skeletal	<8.3	220	310	0.11	Very dark yellow red	Grass	Loamy/skeletal	<5.8	100	160	0.12			
			2012/07/26	Sunny	27.0	Very dark reddish yellow	Earth	Loamy	<16	1,100	1,800	0.15	Dark reddish yellow	Earth	Sandy	<7.6	280	420	0.13			
			2012/09/26	Sunny	25.6	Very dark yellow red	Earth	Loamy	<14	770	1,300	0.16	Very dark yellow red	Earth	Loamy	<9.2	180	310	0.12			
			2012/11/05	Sunny	14.6	Very dark yellow red	Faint earth	Loamy	<11	260	440	0.11	Very dark yellow red	Faint earth	Loamy	<7.3	140	260	0.11			
			2013/01/09	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			2013/01/30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/03/07	Sunny	7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
120	Oguri River	Umenobashi Bridge	2012/06/21	Cloudy	22.0	Very dark yellow red	Grass	Loamy/skeletal	<11	270	410	0.12	Reddish yellowish black	Grass	Loamy/skeletal	<16	510	790	0.11			
			2012/07/26	Sunny	28.1	Dark reddish yellow	Earth	Sandy	<14	630	1,000	0.13	Dark reddish yellow	Earth	Sandy	<15	700	1,100	0.13			
			2012/09/26	Sunny	23.0	Dark yellow red	Faint grass	Loamy/skeletal	<15	740	1,200	0.13	Very dark yellow red	Faint grass	Loamy	<11	370	640	0.12			
			2012/11/05	Sunny	13.2	Very dark reddish yellow	Earth	Loamy	<17	840	1,500	0.12	Very dark reddish yellow	Earth	Loamy	<11	320	560	0.10			
			2013/01/09	Snow	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			2013/02/21	Cloudy	-5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
121	Higashisakido River	Sekido District	2012/06/21	Cloudy	20.0	Very dark yellow red	Grass	Loamy/skeletal	<6.9	180	270	0.07	Dark yellow red	Grass	Loamy	<5.7	63	91	0.09			
			2012/07/26	Sunny	27.0	Dark yellow red	Earth	Loamy	<6.6	160	230	0.10	Dark reddish yellow	Earth	Sandy	<5.9	67	110	0.09			
			2012/09/26	Sunny	21.4	Very dark reddish yellow	Faint grass	Loamy	<6.3	120	200	0.11	Dark reddish yellow	Faint grass	Loamy	<7.9	130	240	0.10			
			2012/10/30	Cloudy	13.0	Very dark reddish yellow	Earth	Loamy	<7.5	160	290	0.11	Dark yellow red	Faint mold	Loamy	<7.0	94	170	0.10			
			2013/01/09	Snow	-0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			2013/01/30	Cloudy	-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
122	Furubashi River	Funatsubashi Bridge	2012/06/21	Cloudy	20.0	Very dark yellow	Grass	Loamy/skeletal	<8.0	260	390	0.09	Very dark yellow red	Grass	Loamy/skeletal	<8.0	210	340	0.08			
			2012/07/26	Cloudy	24.9	Dark grayish reddish yellow	Earth	Sandy	<7.8	240	380	0.13	Dark grayish yellow	Earth	Sandy	<7.6	150	220	0.08			
			2012/09/26	Sunny	18.9	Very dark yellow red	Faint grass	Loamy	<12	460	760	0.12	Very dark yellow red	Faint grass	Loamy	<6.0	100	180	0.09			
			2012/11/20	Rain	5.1	Very dark yellow red	Earth	Loamy	<9.5	390	650	0.13	Very dark reddish yellow	Earth	Skeletal	<6.1	140	220	0.10			
			2013/01/09	Snow	-0.5	Very dark reddish yellow	Faint earth	Loamy	<12	520	910	0.11	Very dark yellow red	Earth	Loamy	<8.5	200	350	0.08			
			2013/01/30	Sunny	-1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
123	Harigawa River	Estuary, front	2012/06/20	Light rain	19.0	Very dark yellow red	Grass	Loamy/skeletal	<6.8	97	170	0.09	Very dark yellow red	Grass	Loamy/skeletal	<6.6	88	140	0.08			
			2012/07/26	Sunny	26.2	Dark reddish yellow	Earth	Loamy	<8.3	270	410	0.11	Dark reddish yellow	Earth	Loamy	<5.9	100	160	0.10			
			2012/09/26	Sunny	21.0	Very dark yellow red	Earth	Loamy	<7.0	160	270	0.08	Very dark yellow red	Earth	Loamy	<7.2	110	170	0.09			
			2012/10/30	Cloudy	13.3	Dark yellow red	Earth	Loamy	<5.8	76	140	0.08	Very dark reddish yellow	Earth	Loamy	<6.2	120	180	0.08			
			2013/01/09	Cloudy	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			2013/01/30	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/03/07	Sunny	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(Left bank)Unable to collect samples due to snow on the ground

Table 4.3.2.1 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks					
No.	Point	Municipality	Surface layer Bottom layer					General items						Radioactive material concentrations (Bq/L)									
								Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Radioactive cesium Cs-137				
134	Tazayachi (farm pond)	Mnamisomahi City	Surface layer	2012/07/25	Cloudy	25.0	0.1	22.3	0.0	Grayish reddish yellow	None	-	11.1	30	7.8	<0.64	<0.77	0.69					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water				
			Surface layer	2012/08/21	Sunny	31.0	0.2	21.7	0.0	Colorless transparent	None	0.2	9.3	<1	0.6	<0.65	<0.66	<0.58	-				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/09/21	Cloudy, partly rain	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Surface layer	2012/10/23	Rain	14.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Surface layer	2012/11/20	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to drought	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2013/01/14	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2013/02/12	Sunny	-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			135	Takeshiyachi (farm pond)	Mnamisomahi City	Surface layer	2012/10/10	Sunny	21.7	0.2	20.6	0.0	Light grayish greenish yellow	None	0.1	5.6	43	25	<0.51	<0.59	<0.60		
						Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
						Surface layer	2012/11/20	Sunny	12.1	0.2	10.2	0.0	Light grayish yellow green	None	0.2	6.3	42	65	<0.47	<0.69	0.64		
						Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
Surface layer	2012/12/18	Cloudy				8.0	0.2	7.8	0.0	Grayish yellow	None	0.1	7.1	48	54	<0.49	<0.60	1.2					
Bottom layer	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
Surface layer	2013/01/08	Sunny				4.1	0.2	4.7	0.0	Light grayish yellow	None	0.2	9.7	20	20	<0.55	<0.64	<0.62					
Bottom layer	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
Surface layer	2013/01/31	Sunny				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
Bottom layer	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Surface layer	2013/02/26	Sunny				4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bottom layer	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
136	Ryugasaki (farm pond)	Mnamisomahi City	Surface layer	2012/08/28	Sunny	36.0	0.5	33.9	0.0	Light grayish yellow	None	0.5	5.7	10	2.9	<0.62	<0.47	<0.57					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/10/10	Cloudy	20.0	0.4	18.8	0.0	Light grayish yellow	None	0.8	7.7	7.1	2.3	<0.56	<0.75	<0.62					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/11/20	Cloudy	11.7	0.5	9.4	0.0	Grayish greenish yellow	None	0.3	7.6	14	12	<0.59	<0.66	<0.66					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/12/18	Cloudy	10.1	0.3	6.6	0.0	Grayish yellow green	None	0.3	8.1	8.2	7.6	<0.55	<0.56	<0.62					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2013/01/14	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2013/02/27	Cloudy	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
137	Uwatashiro (farm pond)	Kawamatomachi Town	Surface layer	2012/07/05	Sunny	28.0	0.3	21.7	0.0	Grayish yellow	None	0.3	3.9	4.5	2.6	<0.57	<0.72	<0.45					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/10/10	Sunny	13.3	0.5	14.3	0.0	Light grayish yellow	None	0.6	4.0	3.3	2.0	<0.56	<0.80	<0.60					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/11/11	Cloudy	9.5	0.5	8.8	0.0	Dark grayish yellow	None	0.5	4.0	2.5	2.8	<0.70	<0.67	<0.64					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2013/01/14	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/12/19	Sunny	-1.0	0.2	1.3	0.0	Light grayish yellow green	None	0.2	4.6	19	8.5	<0.47	0.82	1.6					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2013/02/11	Snow	-2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Lake and Headwater

Table 4.3.2.1 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality											Remarks				
No.	Point	Municipality	Surface layer/bottom layer					General items					Radioactive material concentrations (Bq/L)										
								Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137					
138	Koakuto (farm pond)	Namiemachi Town	Surface layer	2012/07/05	Cloudy	25.1	0.5	23.4	0.0	Yellow greenish white	None	0.5	10.3	2.0	1.4	-0.49	1.4	2.6					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/10/25	Sunny	16.0	0.5	12.2	0.0	Grayish yellow	None	0.2	11.1	18	17	-0.54	2.8	5.0	5.0				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/11/21	Sunny	2.9	0.5	4.7	0.0	Grayish yellow green	None	0.3	11.2	5.3	8.0	-0.51	1.5	2.4	2.4				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2013/01/15	Sunny	-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			Surface layer	2012/12/19	Sunny	2.3	0.5	2.6	0.0	Light grayish yellow green	None	0.5	12.2	3.4	2.0	-0.47	1.1	2.6	2.6				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2013/02/04	Rain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			139	Yosouchi (farm pond)	Iitate-mura Village	Surface layer	2012/07/26	Cloudy	28.0	0.5	28.7	0.0	Light grayish yellow	None	0.5	4.9	-1	1.1	-0.65	-0.75	-0.68		
						Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
						Surface layer	2012/10/24	Sunny	12.0	0.5	14.3	0.0	Light grayish yellow green	None	0.5	5.7	1.7	1.2	-0.47	-0.60	-0.59	-0.59	
						Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
						Surface layer	2012/11/21	Sunny	5.2	0.4	6.7	0.0	Light grayish yellow	None	0.4	5.1	1.6	2.3	-0.73	-0.78	-0.70	-0.70	
						Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surface layer	2012/12/19	Sunny				-1.0	0.2	2.0	0.0	Light grayish yellow green	None	0.2	5.8	15	5.8	-0.53	-0.36	0.81	0.81				
Bottom layer	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
Surface layer	2013/01/22	Cloudy				1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
Bottom layer	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
140	Myobasaku No. 2 (farm pond)	Minamisomashi City	Surface layer	2012/07/25	Cloudy	26.0	0.5	25.1	0.0	Greenish yellowish white	None	0.5	11.5	-1	1.1	-0.44	-0.63	-0.60					
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/08/21	Sunny	33.0	0.4	29.0	0.0	Greenish yellowish white	None	0.4	3.7	-1	0.9	-0.54	-0.74	-0.54	-0.54				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2012/09/21	Cloudy	21.4	0.3	25.2	0.0	Grayish yellow	Sewage	0.2	13.2	8.0	3.2	-0.59	-0.72	-0.62	-0.62				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2012/10/23	Rain	14.8	0.5	16.9	0.0	Grayish greenish yellow	None	0.5	9.2	4.4	2.2	-0.48	-0.56	-0.63	-0.63				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2012/11/20	Sunny	15.3	0.3	11.4	0.0	Light grayish yellow	None	0.3	4.6	1.4	0.9	-0.58	-0.73	-0.64	-0.64				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2013/01/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
141	Ogaki Dam	Namiemachi Town	Surface layer	2012/07/26	Cloudy	29.1	0.8	25.3	0.0	Yellow greenish white	None	0.8	5.2	-1	0.4	-0.59	-0.78	-0.56	-0.56				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/08/28	Sunny	34.0	1.0	28.3	0.0	Greenish yellowish white	None	1.0	5.9	-1	0.4	-0.54	-0.61	-0.72	-0.72				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2012/10/18	Cloudy	18.0	0.5	16.7	0.0	Dark grayish yellow	None	0.5	5.5	1.5	1.0	-0.47	-0.58	0.59	0.59				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2012/11/15	Cloudy	8.6	0.2	10.8	0.0	Yellowish white	None	0.2	6.5	1.8	2.0	-0.52	-0.70	0.95	0.95				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2012/12/04	Cloudy	7.6	0.3	7.9	0.0	Dark grayish reddish yellow	None	0.3	7.2	2.1	2.8	-0.45	-0.65	1.0	1.0				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2012/12/27	Sunny	-1.8	0.5	2.7	0.0	Dark grayish greenish yellow	None	0.5	8.1	-1	1.0	-0.65	-0.78	-0.66	-0.66				
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Lake and Headwater

Table 4.3.2.1 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality												Remarks
No.	Point	Municipality	Surface layer					General items												
			bottom layer					Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive material concentrations (Bq/L)				
142	Uezokawa (farm pond)	Katsuraozuma Village	Surface layer	2012/07/05	Sunny	28.0	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to drought	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			Surface layer	2012/09/20	Light rain	21.2	-	-	-	-	-	-	-	-	-	-	-	-		-
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Surface layer	2012/11/13	Sunny	12.2	-	-	-	-	-	-	-	-	-	-	-	-		-
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		Surface layer	2013/01/14	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		Surface layer	2012/12/19	Cloudy	-1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to drought
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		Surface layer	2013/02/04	Rain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Surface layer	2013/03/05	Cloudy	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
143	Heigōri (farm pond)	Iitamura Village	Surface layer	2012/07/26	Sunny	25.0	0.3	23.0	0.0	Light grayish yellow	None	0.3	3.6	2.0	1.4	-0.57	-0.68	1.1	Collected only from the surface layer due to shallow water	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Surface layer	2012/10/24	Sunny	13.0	0.1	11.2	0.0	Light grayish yellow green	None	0.1	6.3	5.1	1.1	-0.57	-0.50	0.48		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Surface layer	2012/11/22	Cloudy	2.3	0.2	4.0	0.0	Light grayish reddish yellow	None	0.2	4.2	4.1	1.3	-0.47	0.93	1.2		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		Surface layer	2012/12/19	Sunny	-2.3	0.2	1.4	0.0	Light grayish greenish yellow	None	0.2	4.3	2.9	1.6	-0.51	-0.77	0.58	Collected only from the surface layer due to shallow water		
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		Surface layer	2013/01/22	Snow	0.0	-	-	-	-	-	-	-	-	-	-	-	-		-	Unable to collect samples due to snow on the ground
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		Surface layer	2013/02/26	Cloudy	-1.0	-	-	-	-	-	-	-	-	-	-	-	-		-	
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
144	Mekurasawa No. 2 (farm pond)	Namiemachi Town	Surface layer	2012/07/04	Sunny	27.7	0.4	27.4	0.0	Light grayish yellow	None	0.4	10.0	7.7	4.7	-0.50	1.1	1.9	Collected only from the surface layer due to shallow water	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Surface layer	2012/10/23	Rain	18.0	0.4	16.9	0.0	Grayish greenish yellow	None	0.2	19.1	28	22	-0.60	1.9	2.1		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Surface layer	2012/11/20	Sunny	12.6	0.3	9.2	0.0	Grayish greenish yellow	None	0.2	13.9	23	20	-0.70	-0.78	1.3		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		Surface layer	2012/12/18	Sunny	9.8	0.3	7.6	0.0	Grayish reddish yellow	None	0.1	15.6	17	15	-0.48	0.84	1.0	Collected only from the surface layer due to shallow water		
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		Surface layer	2013/01/16	Sunny	2.0	0.3	2.4	0.0	Light grayish yellow	None	0.3	20.0	28	16	-0.46	1.6	3.4			
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		Surface layer	2013/02/05	Sunny	7.6	0.3	6.3	0.0	Dark grayish greenish yellow	None	0.2	15.0	19	17	-0.54	0.69	1.6			
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
145	Jozoku (farm pond)	Namiemachi Town	Surface layer	2012/07/04	Sunny	27.5	0.2	28.0	0.0	Grayish greenish yellow	Faint rmd	0.2	9.1	24	12	-0.62	1.5	2.6	Collected only from the surface layer due to shallow water	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			Surface layer	2012/10/23	Rain	16.0	0.3	16.8	0.0	Grayish yellow	None	0.3	14.0	18	16	-0.64	1.2	2.3		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			Surface layer	2012/11/20	Sunny	12.9	0.2	10.1	0.0	Light grayish yellow	None	0.2	15.4	14	12	-0.50	0.55	1.6		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		Surface layer	2012/12/18	Sunny	9.7	0.3	8.3	0.0	Greenish yellowish pale gray	None	0.2	17.1	15	11	-0.44	-0.53	1.0	Collected only from the surface layer due to shallow water		
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		Surface layer	2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		Surface layer	2013/03/05	Sunny	10.1	0.5	10.4	0.0	Grayish greenish yellow	None	0.2	15.1	63	55	-0.53	1.3	4.0			
		Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

L a k e a n d h e a d w a t e r s

Table 4.3.2.1 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks			
No.	Point	Municipality	Surface layer/bottom layer					General items						Radioactive material concentrations (Bq/L)							
								Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Cs-137		
150	Sakashita Dam	Okumamachi Town	Surface layer	2012/07/25	Cloudy	27.1	3.0	21.1	0.5	Greenish yellowish white	None	1.6	6.1	<1	1.0	-0.55	-0.56	-0.68			
			Bottom layer					20.6	2.0	-	-	-	7.0	1.3	0.9	-0.59	-0.70	-0.59			
			Surface layer	2012/08/29	Sunny	35.0	19.4	28.7	0.5	Yellowish white	None	4.2	6.8	<1	0.5	-0.48	-0.65	-0.42			
			Bottom layer					12.8	18.4	-	-	-	7.2	37	25	-0.58	1.2	2.0			
			Surface layer	2012/10/18	Cloudy	16.5	20.3	17.6	0.5	Yellow greenish white	None	3.1	6.7	<1	0.7	-0.54	-0.70	-0.53			
			Bottom layer					14.6	19.3	-	-	-	7.2	9.3	9.8	-0.66	-0.75	-0.58			
			Surface layer	2012/11/20	Sunny	10.4	21.8	11.4	0.5	Grayish yellow	None	1.6	7.2	1.9	2.1	-0.42	-0.53	-0.59			
			Bottom layer					11.1	20.8	-	-	-	7.7	6.8	6.0	-0.45	-0.66	-0.57			
			Surface layer	2012/12/26	Sunny	-0.1	21.5	5.3	0.5	Grayish greenish yellow	None	3.0	8.1	1.0	1.3	-0.51	-0.65	-0.56			
			Bottom layer					5.5	20.5	-	-	-	8.2	1.6	1.9	-0.51	-0.69	-0.51			
			Surface layer	2013/01/16	Sunny	2.8	17.0	2.7	0.5	Yellowish black	None	2.5	12.3	<1	1.3	-0.52	-0.59	-0.57			
			Bottom layer					3.2	16.0	-	-	-	11.0	61	31	-0.65	0.95	1.7			
			Surface layer	2013/02/06	Snow	-0.3	20.5	3.3	0.5	Grayish yellow	None	2.4	8.9	<1	1.3	-0.48	-0.65	-0.56			
			Bottom layer					3.6	19.5	-	-	-	8.9	<1	1.5	-0.44	-0.72	-0.62			
			151	Atamamori 2 (farm pond)	Okumamachi Town	Surface layer	2012/07/13	Cloudy	28.0	0.5	24.4	0.0	Yellow reddish white	None	0.5	9.1	1.4	1.0	-0.69	-0.72	-0.75
						Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
						Surface layer	2012/10/25	Sunny	19.8	0.5	17.6	0.0	Light grayish yellow	None	0.4	12.5	11	8.9	-0.65	2.2	2.9
						Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
Surface layer	2012/11/21	Sunny				12.1	0.4	11.7	0.0	Greenish yellowish white	None	0.4	12.7	3.7	5.0	-0.56	0.80	1.8			
Bottom layer								-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
Surface layer	2012/12/18	Sunny				9.4	0.5	6.2	0.0	Dark grayish yellow green	None	0.5	13.3	<1	2.4	-0.49	-0.65	1.1			
Bottom layer								-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
Surface layer	2013/01/17	Sunny				7.0	0.4	3.9	0.0	Greenish yellowish white	None	0.4	14.2	1.6	2.3	-0.67	-0.66	-0.71			
Bottom layer								-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
Surface layer	2013/02/06	Snow				0.4	0.2	4.4	0.0	Light grayish greenish yellow	None	0.2	14.9	4.9	5.0	-0.51	-0.72	0.98			
Bottom layer								-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
152	Yonomori (farm pond)	Tomisakamachi Town	Surface layer	2012/07/04	Sunny	27.0	1.7	26.1	0.0	Yellowish pale gray	Green grass	1.4	10.2	8.2	4.7	-0.71	1.5	2.2			
			Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/09/19	Cloudy, partly rain	28.6	1.0	27.3	0.5	Light grayish reddish yellow	None	0.3	10.8	36	12	-0.78	3.0	5.7			
			Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/11/14	Sunny	15.2	0.7	13.1	0.0	Grayish yellow	None	0.1	11.4	28	33	-0.54	1.9	3.8			
			Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2012/12/05	Sunny	11.8	1.2	7.2	0.0	Dark grayish greenish yellow	None	0.3	12.5	11	14	-0.66	0.96	1.7			
			Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2013/01/17	Sunny	4.3	1.1	2.7	0.0	Dark grayish yellow	None	1.1	12.4	7.1	5.6	-0.54	0.76	1.5			
			Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			
			Surface layer	2013/02/06	Snow	0.5	1.1	3.9	0.0	Dark grayish yellow	None	0.3	13.9	11	9.7	-0.60	0.86	1.0			
			Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water			

Table 4.3.2.1 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
No.	Point	Municipality	Surface layer/bottom layer					General items						Radioactive material concentrations (Bq/L)						
								Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Cs-137	
156	Shamshigeoka (farm pond)	Narahamachi Town	Surface layer	2012/07/04	Sunny	26.0	0.8	24.7	0.0	Yellow greenish white	Chemicals	0.8	10.5	3.2	1.4	-0.47	-0.83	-0.68		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/09/04	Sunny	27.2	0.5	28.9	0.0	Very dark reddish yellow	None	0.5	7.9	2.8	2.1	-0.47	-0.61	-0.52	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/10/22	Sunny, then cloudy	18.0	0.2	19.5	0.0	Grayish yellow green	None	0.2	13.9	1.4	0.9	-0.57	-0.81	0.47	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/11/20	Sunny	14.4	0.3	12.3	0.0	Greenish yellowish white	None	0.3	13.8	3.0	1.6	-0.72	-0.63	-0.60	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/01/17	Sunny	5.7	0.5	2.3	0.0	Dark grayish yellow	None	0.5	10.1	-1	1.0	-0.56	-0.56	-0.57	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/02/07	Sunny	7.6	0.5	5.4	0.0	Grayish yellow green	None	0.5	11.8	1.6	1.8	-0.50	-0.61	-0.52	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
157	Komachi Dam	Onomachi Town	Surface layer	2012/08/22	Sunny	35.0	7.2	29.9	0.5	Yellow greenish white	None	1.0	8.3	-1	1.2	-0.44	-0.56	-0.50		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/10/16	Sunny	14.2	9.8	16.6	0.5	Grayish greenish yellow	None	1.1	10.0	3.0	4.4	-0.61	-0.83	-0.60	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Surface layer	2012/11/20	Sunny, then cloudy	5.3	7.0	7.7	0.5	Dark grayish greenish yellow	None	0.5	10.2	12	14	-0.50	-0.50	-0.57	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Surface layer	2012/12/14	Sunny	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Surface layer	2013/01/17	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Surface layer	2013/03/01	Cloudy	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158	Kido Dam	Narahamachi Town	Surface layer	2012/08/23	Sunny	34.0	34.2	24.7	0.5	Yellow greenish white	None	2.6	5.0	-1	0.3	-0.55	-0.59	-0.49		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/10/19	Sunny	18.2	6.0	15.8	0.5	Grayish yellow	None	3.4	5.0	-1	0.8	-0.47	-0.74	-0.51		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/11/16	Cloudy	11.5	6.2	11.2	0.5	Greenish yellowish white	None	3.2	5.8	-1	1.0	-0.57	-0.74	-0.62	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/12/05	Sunny	5.8	49.2	8.4	0.5	Grayish greenish yellow	None	3.4	6.1	1.0	1.3	-0.54	-0.66	-0.57	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2012/12/27	Sunny	1.1	7.5	5.2	0.5	Greenish yellowish white	None	3.5	5.6	-1	1.3	-0.53	-0.66	-0.59	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2013/01/18	Snow	-3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
Surface layer	2013/03/06	Sunny	8.2	6.7	3.4	0.5	Light grayish greenish yellow	None	6.1	6.1	-1	1.1	-0.47	-0.66	-0.76	-				
Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
159	Otsutami (farm pond)	Narahamachi Town	Surface layer	2012/07/04	Cloudy	26.1	1.2	23.4	0.5	Light grayish yellow	Chemicals	1.2	38.0	5.7	4.3	-0.59	-0.56	-0.49		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/09/04	Sunny	27.5	0.9	29.9	0.0	Grayish yellow	None	0.7	52.4	2.7	1.8	-0.63	-0.68	0.58	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/10/22	Sunny	22.0	1.0	19.1	0.0	Grayish yellow	None	0.5	44.1	3.1	3.2	-0.57	-0.68	-0.59	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/11/20	Sunny	7.4	0.9	11.3	0.0	Light grayish yellow	None	0.5	228	3.1	4.9	-0.70	-0.87	0.87	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/01/17	Sunny	3.1	0.4	4.3	0.0	Grayish reddish yellow	None	0.4	414	5.4	1.3	-0.63	-0.89	0.98	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/02/07	Rain	2.8	0.3	4.6	0.0	Grayish greenish yellow	None	0.3	520	4.1	1.1	-0.53	-0.63	0.95	-	
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water

L a k e s a n d h e a d w a t e r s

Table 4.3.2.1 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Water Quality)

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
No.	Point	Municipality	Surface layer/bottom layer					General items						Radioactive material concentrations (Bq/L)						
								Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Cs-137	
160	Shanike (farm pond)	Iwakishi City	Surface layer	2012/07/27	Sunny	27.9	4.4	26.5	0.0	Dark grayish yellow green	None	1.8	8.1	<1	0.5	<0.47	<0.53	<0.50		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/08/27	Sunny	32.0	0.5	32.4	0.0	Light grayish yellow	None	0.4	13.9	3.7	2.4	<0.60	<0.70	<0.57		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/10/26	Sunny	14.0	0.8	17.1	0.0	Dark grayish reddish yellow	Chemicals	0.8	14.9	3.8	2.8	<0.44	<0.53	<0.57		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surface layer	2012/11/15	Sunny	9.5	0.5	11.2	0.0	Grayish yellow	None	0.5	9.7	1.4	1.5	<0.68	<0.75	<0.60				
	Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
	Surface layer	2013/01/11	Sunny	1.9	0.2	2.9	0.0	Light grayish yellow green	None	0.2	8.8	<1	1.0	<0.62	<0.70	<0.71				
	Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
	Surface layer	2013/02/04	Cloudy	5.2	0.7	4.5	0.0	Dark grayish yellow green	None	0.7	12.2	<1	0.9	<0.49	<0.66	<0.60				
	Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
161	Kodama Dam Reservoir (Kodamako Lake)	Iwakishi City	Surface layer	2012/08/09	Cloudy	22.0	54.4	21.8	0.5	Light grayish yellow green	None	2.5	6.8	<1	0.5	<0.49	<0.82	<0.57		
			Bottom layer	-	-	-	-	6.3	53.4	-	None	-	11.0	36	8.6	<0.60	<0.66	<0.51		
			Surface layer	2012/09/13	Sunny	28.0	53.0	24.2	0.5	Greenish yellowish white	None	2.0	6.9	<1	0.3	<0.44	<0.56	<0.52		
			Bottom layer	-	-	-	-	9.8	52.9	-	None	-	8.4	4.3	2.3	<0.64	<0.87	<0.70		
			Surface layer	2012/10/18	Cloudy, partly with light rain	17.8	53.5	16.1	0.5	Grayish yellowish green	None	3.2	7.6	1.0	1.3	<0.52	<0.61	<0.62		
			Bottom layer	-	-	-	-	7.8	52.5	-	None	-	9.3	40	22	<0.56	<0.75	<0.88		
	Surface layer	2012/11/09	Sunny	13.9	54.0	11.5	0.5	Dark grayish yellow green	None	3.0	8.5	<1	1.1	<0.50	<0.56	<0.57				
	Bottom layer	-	-	-	-	7.0	53.0	-	None	-	10.1	3.7	3.2	<0.56	<0.64	<0.62				
	Surface layer	2013/01/09	Cloudy	1.6	54.4	3.9	0.5	Grayish yellow green	None	2.3	5.6	2.2	1.8	<0.44	<0.58	<0.54				
	Bottom layer	-	-	-	-	4.0	53.4	-	None	-	5.3	2.6	2.1	<0.44	<0.65	<0.49				
	Surface layer	2013/02/05	Sunny	4.1	54.0	3.4	0.5	Grayish yellow	None	2.5	11.9	2.6	1.4	<0.55	<0.56	<0.57				
	Bottom layer	-	-	-	-	3.6	53.0	-	None	-	20.1	8.0	4.6	<0.51	<0.61	<0.55				
162	Kancorisutsumishita (farm pond)	Iwakishi City	Surface layer	2012/07/27	Sunny	26.3	0.1	27.0	0.0	Colorless transparent	None	0.1	46.3	<1	0.4	<0.51	<0.56	<0.52		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/08/27	Sunny	29.8	0.2	30.5	0.0	Light grayish greenish yellow	None	0.2	57.3	<1	0.7	<0.42	<0.69	<0.60		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/10/25	Sunny	17.1	0.5	17.0	0.0	Light grayish yellow	None	0.5	72.3	5.0	4.9	<0.66	<0.80	<0.86		
			Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
	Surface layer	2012/11/19	Cloudy	8.8	0.1	11.9	0.0	Yellowish white	None	0.1	47.3	8.3	2.9	<0.61	<0.75	<0.68				
	Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
	Surface layer	2013/01/09	Cloudy	5.8	0.2	5.4	0.0	Dark grayish greenish yellow	None	0.2	37.3	5.3	3.0	<0.45	<0.61	<0.63				
	Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
	Surface layer	2013/02/06	Sleet	1.5	0.3	5.3	0.0	Grayish yellow green	None	0.3	71.1	4.9	4.1	<0.51	<0.66	<0.51				
	Bottom layer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
163	Takashi Dam Reservoir (Takashibako Lake)	Iwakishi City	Surface layer	2012/08/09	Sunny	30.0	20.9	25.8	0.5	Light grayish yellow green	None	1.7	10.1	2.1	1.6	<0.61	<0.94	<0.71		
			Bottom layer	-	-	-	-	15.4	19.9	-	None	-	15.5	36	11	<0.51	<0.59	<0.59		
			Surface layer	2012/09/13	Sunny	32.0	21.6	26.9	0.5	Greenish yellowish white	None	0.8	10.1	2.5	1.1	<0.50	<0.64	<0.55		
			Bottom layer	-	-	-	-	17.1	20.6	-	Faint sulfur	-	16.4	25	9.3	<0.45	<0.58	<0.60		
			Surface layer	2012/10/18	Cloudy, partly with light rain	16.6	22.0	16.9	0.5	Grayish yellow green	None	1.6	11.5	5.5	3.0	<0.44	<0.56	<0.56		
			Bottom layer	-	-	-	-	14.7	21.0	-	Purpescence	-	21.7	76	49	<0.55	<0.66	<0.62		
	Surface layer	2012/11/08	Sunny	15.3	21.1	12.6	0.5	Strong yellow green	None	2.1	13.5	1.0	1.1	<0.70	<0.80	<0.62				
	Bottom layer	-	-	-	-	11.3	20.1	-	None	-	13.0	2.5	2.6	<0.46	<0.65	<0.52				
	Surface layer	2013/01/10	Sunny	4.8	22.8	4.1	0.5	Grayish yellowish green	None	3.4	7.4	<1	0.8	<0.49	<0.60	<0.64				
	Bottom layer	-	-	-	-	4.5	21.8	-	Faint purpescence	-	8.4	1.3	1.4	<0.53	<0.67	<0.57				
	Surface layer	2013/02/05	Sunny	6.1	15.1	4.4	0.5	Grayish yellow green	None	1.2	8.8	2.7	1.6	<0.50	<0.63	<0.49				
	Bottom layer	-	-	-	-	4.5	14.1	-	None	-	9.0	2.5	1.6	<0.43	<0.48	<0.50				

Table 4.3.2.1 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Water Quality)

L a k e s a n d h e a d w a t e r s	Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks	
	No.	Point	Municipality	Surface layer bottom layer					General items						Radioactive material concentrations (Bq/L)					
									Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium		
																		Cs-134		Cs-137
164	Hamadori	Shitaki Dam Reservoir	Iwakishi City	Surface layer	2012/08/10	Sunny	26.0	34.8	23.8	0.5	Greenish yellowish white	None	1.6	6.0	3.2	1.6	-0.44	-0.48	-0.52	
				Bottom layer					13.0	33.8	-	None		12.6	130	64	-0.65	-0.85	-0.63	
				Surface layer	2012/09/14	Sunny	30.0	34.4	25.4	0.5	Greenish yellowish white	None	1.6	6.3	<1	0.6	-0.65	-0.80	-0.60	
				Bottom layer					12.6	33.4	-	Faint sulfur		14.1	32	19	-0.50	-0.66	-0.49	
				Surface layer	2012/10/19	Sunny	14.3	37.2	15.4	0.5	Dark grayish yellow green	None	3.1	6.9	<1	1.0	-0.59	-0.72	-0.71	
				Bottom layer					11.4	36.2	-	Faint presence		19.2	30	25	-0.52	-0.67	-0.63	
				Surface layer	2012/11/08	Sunny	16.2	35.8	12.8	0.5	Dark grayish yellow green	None	1.6	7.8	1.3	1.7	-0.61	-0.63	-0.64	
				Bottom layer					11.4	34.8	-	None		12.6	14	14	-0.54	-0.64	-0.55	
				Surface layer	2013/01/10	Sunny	4.1	35.8	4.0	0.5	Grayish yellow green	None	3.2	4.3	1.1	1.2	-0.49	-0.59	-0.49	
				Bottom layer					4.3	34.8	-	None		7.4	2.6	1.9	-0.57	-0.59	-0.57	
				Surface layer	2013/02/05	Sunny	4.7	36.8	3.2	0.5	Grayish yellow green	None	3.0	4.9	<1	0.9	-0.51	-0.64	-0.62	
				Bottom layer					3.3	35.8	-	None		5.0	8.6	4.1	-0.56	-0.59	-0.57	

Table 4.3.2.1 (2) Fukushima Pref. (Nakadori Area) Lake and Headwater (Water Quality)

L a k e s a n d h e a d w a t e r s	Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks
	No.	Point	Municipality	Surface layer/bottom layer					General items					Radioactive material concentrations (Bq/L)					
									Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	
165	Sarukamigawa Dam Reservoir	Fukushima City	Surface layer	2012/07/24	Cloudy	27.0	67.7	22.5	0.5	Colorless transparent	None	3.6	5.0	<1	0.8	<0.60	<0.63	<0.62	
			Bottom layer					8.8	66.7	-	None		9.6	9.8	4.4	<0.51	<0.61	<0.53	
			Surface layer	2012/09/13	Sunny	28.5	69.0	25.8	0.5	Dark grayish green	None	2.6	5.5	<1	0.6	<0.65	<0.78	<0.62	
			Bottom layer					9.0	68.0	-	None		5.5	<1	0.4	<0.44	<0.51	<0.52	
			Surface layer	2012/10/23	Rain	15.4	52.8	14.5	0.5	Dark grayish yellow green	None	1.2	6.0	2.8	2.3	<0.59	<0.66	<0.56	
			Bottom layer					7.1	51.8	-	None		13.1	8.7	6.6	<0.44	<0.67	<0.56	
			Surface layer	2012/11/12	Cloudy	12.8	2.7	11.4	0.5	Dark grayish yellow green	None	2.0	5.7	<1	1.5	<0.55	<0.61	<0.60	
			Bottom layer					11.6	1.7	-	None		6.1	<1	1.2	<0.44	<0.61	<0.59	
			Surface layer	2013/01/16	Cloudy	1.9	57.0	2.9	0.5	Dark grayish yellow green	None	2.0	6.0	<1	1.2	<0.48	<0.60	<0.49	
			Bottom layer					3.0	56.0	-	None		10.4	<1	1.2	<0.55	<0.64	<0.53	
			Surface layer	2013/02/14	Cloudy	4.4	60.3	1.9	0.5	Light grayish yellow green	None	2.3	7.2	1.6	1.7	<0.59	<0.74	<0.69	
			Bottom layer					2.0	59.3	-	None		7.3	1.3	1.4	<0.51	<0.60	<0.54	
	Surface layer	2012/07/05	Cloudy	23.6	0.5	21.8	0.0	Yellow greenish white	None	0.5	13.7	<1	0.6	<0.56	<0.75	<0.66			
	Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
	Surface layer	2012/09/13	Sunny	27.1	0.3	21.7	0.0	Grayish yellowish green	None	0.9	12.5	<1	0.3	<0.59	<0.60	<0.68			
	Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
	Surface layer	2012/10/09	Sunny	18.7	0.3	18.5	0.0	Greenish yellowish white	None	0.3	14.4	4.3	3.1	<0.62	<0.60	<0.60			
	Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
	Surface layer	2012/11/13	Sunny	12.2	0.2	11.4	0.0	Dark grayish greenish yellow	None	0.2	14.4	3.2	2.6	<0.65	<0.66	<0.70			
	Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
	Surface layer	2012/12/03	Cloudy	5.5	0.2	7.5	0.0	Dark grayish yellowish green	None	0.2	15.5	4.8	3.5	<0.59	<0.70	<0.71			
	Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
	Surface layer	2013/01/14	Snow	-0.4	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Bottom layer					-	-	-	-	-	-	-	-	-	-	-	-		
Surface layer	2013/02/13	Snow	-1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
Bottom layer					-	-	-	-	-	-	-	-	-	-	-	-			
Surface layer	2013/03/04	Sunny	7.0	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom layer					-	-	-	-	-	-	-	-	-	-	-	-			
167	Okke Pond (farm pond)	Motomiya City	Surface layer	2012/07/24	Cloudy	24.5	0.7	25.9	0.0	Dark grayish yellow	None	0.7	26.8	1.2	1.4	<0.59	<0.74	<0.66	
			Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/08/20	Sunny	34.0	1.6	31.5	0.0	Yellow greenish white	None	1.6	6.0	1.8	1.1	<0.62	<0.91	<0.68	
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/10/09	Sunny	21.2	1.0	22.1	0.0	Light grayish yellow	None	0.8	6.1	6.2	2.6	<0.45	<0.58	<0.57	
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/11/14	Sunny	17.4	0.5	12.9	0.0	Grayish yellow	None	0.5	7.8	4.4	4.3	<0.47	<0.79	<0.62	
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2012/12/27	Cloudy	-1.4	0.5	2.5	0.0	Grayish greenish yellow	None	0.5	7.4	4.6	3.1	<0.61	<0.66	<0.64	
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water
			Surface layer	2013/02/14	Sunny	9.3	0.5	8.4	0.0	Dull yellowish green	Sewage	0.5	12.9	2.0	1.9	<0.50	<0.63	<0.68	
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water

Table 4.3.2.1 (2) Fukushima Pref. (Nakadori Area) Lake and Headwater (Water Quality)

No.	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks		
	Point	Municipality	Surface layer/bottom layer					General items					Radioactive material concentrations (Bq/L)							
								Water temperature	Sampling depth	Color	Odor	Secchi disc depth	Electrical conductivity mS/m	SS mg/L	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134		Radioactive cesium Cs-137	
168	Miharu Dam	Miharumachi Town	Surface layer	2012/07/23	Sunny	26.7	25.3	24.1	0.5	Yellow greenish white	None	0.9	21.2	1.6	1.5	-0.57	-0.78	-0.68		
			Bottom layer						9.7	24.3	-	Sewage		35.1	140	96	-0.47	-0.64	1.0	
			Surface layer	2012/08/22	Sunny	31.0	24.3	27.9	0.5	Light grayish yellow green	None	1.1	14.4	4.3	2.7	-0.56	-0.83	-0.66		
			Bottom layer						26.6	23.3	-	None		14.7	4.0	3.0	-0.55	-0.59	-0.59	
			Surface layer	2012/10/16	Sunny	21.0	24.6	19.4	0.5	Dark grayish yellow green	None	1.0	15.0	5.8	5.4	-0.57	-0.70	-0.57		
			Bottom layer						10.3	23.6	-	Sulfur		22.9	100	88	-0.72	-0.72	1.1	
			Surface layer	2012/11/20	Cloudy	7.5	24.0	11.7	0.5	Dark grayish yellow	None	1.4	16.5	2.8	4.1	-0.64	-0.63	-0.60		
			Bottom layer						11.3	23.0	-	None		16.3	11	9.9	-0.50	-0.48	-0.57	
			Surface layer	2012/12/17	Cloudy	6.8	32.5	7.2	0.5	Dark grayish greenish yellow	None	1.8	17.8	1.9	2.2	-0.46	-0.61	-0.52		
			Bottom layer						7.2	31.5	-	None		18.1	2.3	2.9	-0.48	-0.58	-0.57	
			Surface layer	2013/01/18	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer																	
			Surface layer	2013/03/05	Snow	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer																	
169	Houmukasa (farm pond)	Koriyamashi City	Surface layer	2012/07/25	Cloudy	27.5	1.0	25.0	0.0	Dark grayish yellow green	None	1.0	10.1	1.0	0.9	-0.51	-0.61	-0.60		
			Bottom layer						-	-	-		-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/08/21	Sunny	29.0	0.7	28.8	0.0	Yellowish white	None	0.7	10.6	1.7	1.3	-0.55	-0.68	-0.53		
			Bottom layer						-	-	-		-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/10/16	Sunny	17.9	0.2	18.7	0.0	Greenish yellowish white	None	0.2	12.1	4.2	2.8	-0.63	-0.72	-0.68		
			Bottom layer						-	-	-		-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/11/14	Sunny	6.8	0.5	11.9	0.0	Light grayish yellow green	None	0.4	12.3	9.2	11	-0.55	-0.68	-0.65		
			Bottom layer																	Collected only from the surface layer due to shallow water
			Surface layer	2013/01/10	Cloudy	-1.0	0.2	2.4	0.0	Greenish yellowish white	None	0.2	13.3	1.3	1.6	-0.61	-0.66	-0.58		
			Bottom layer																	Collected only from the surface layer due to shallow water
Surface layer	2013/02/13	Sunny	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom layer																				
170	Hateriko Lake	Tencimura Village	Surface layer	2012/08/07	Sunny	27.7	17.8	24.8	0.5	Yellow greenish white	None	4.0	3.9	<1	0.4	-0.47	-0.58	-0.60		
			Bottom layer						8.2	16.8	-	None		4.9	78	23	-0.45	0.77	1.2	
			Surface layer	2012/10/18	Cloudy	12.2	12.1	14.1	0.5	Greenish yellowish white	None	2.2	12.0	1.1	1.6	-0.48	-0.65	-0.54		
			Bottom layer						11.4	11.1	-	None		19.0	2.4	2.6	-0.56	-0.61	-0.42	
			Surface layer	2012/11/07	Sunny	10.6	12.1	10.8	0.5	Grayish yellow green	None	2.3	6.0	1.6	1.7	-0.54	-0.78	-0.70		
			Bottom layer						11.1	11.1	-	None		6.4	2.2	1.9	-0.49	-0.60	-0.56	
			Surface layer	2012/12/12	Sunny	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer																	
			Surface layer	2013/01/16	Sunny	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer																	
Surface layer	2013/03/07	Sunny	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom layer																				
171	Hirodaira (farm pond)	Sukagawashi City	Surface layer	2012/07/25	Cloudy	26.2	0.5	25.0	0.0	Dark grayish greenish yellow	None	0.5	11.8	2.1	1.5	-0.68	-0.80	-0.70		
			Bottom layer						-	-	-		-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/08/22	Sunny	33.0	1.0	30.3	0.0	Yellowish white	None	1.0	12.0	1.2	0.9	-0.46	-0.56	-0.44		
			Bottom layer						-	-	-		-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/10/17	Sunny	18.3	1.0	16.6	0.0	Light grayish yellow	None	1.0	16.7	2.9	2.9	-0.42	-0.56	-0.63		
			Bottom layer						-	-	-		-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/11/16	Sunny	12.5	0.5	10.9	0.0	Light grayish yellow	None	0.5	27.7	6.3	3.9	-0.49	-0.63	-0.61		
			Bottom layer																	Collected only from the surface layer due to shallow water
			Surface layer	2013/01/11	Sunny	3.4	0.8	4.3	0.0	Yellowish white	None	0.8	18.4	3.9	1.8	-0.57	-0.92	-0.75		
			Bottom layer																	Collected only from the surface layer due to shallow water
Surface layer	2013/02/13	Cloudy	0.9	1.0	4.8	0.0	Light grayish yellow	None	0.6	25.9	1.0	1.2	-0.44	-0.53	-0.62					
Bottom layer																	Collected only from the surface layer due to shallow water			

Lake and Headwater

Table 4.3.2.1 (2) Fukushima Pref. (Nakadori Area) Lake and Headwater (Water Quality)

No.	Sampling point			Surface layer/bottom layer	Sampling date	Weather	Air temperature (°C)	Full depth (m)	Water quality										Remarks	
	Point	Municipality	General items						Radioactive material concentrations (Bq/L)											
			Water temperature						Sampling depth	Color	Odor	Secchi disc depth	Electrical conductivity (µS/cm)	SS (mg/L)	Turbidity	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
172	Sengsawa Dam Reservoir	Ihikawamachi Town	Surface layer	2012/08/10	Cloudy	29.1	13.1	24.8	0.5	Light grayish yellow green	Faint putrescence	0.4	12.0	5.4	3.7	<0.63	<0.74	<0.57		
			Bottom layer					8.0	12.1	-	Sewage/earth		44.0	77	32	<0.49	<0.72	<0.64		
			Surface layer	2012/10/17	Sunny	20.9	16.2	17.6	0.5	Light grayish greenish yellow	None	0.5	12.1	5.9	4.0	<0.42	<0.66	<0.57		
			Bottom layer					8.2	15.2	-	None		30.3	9.2	8.2	<0.46	<0.58	<0.54		
			Surface layer	2012/11/06	Rain	14.2	14.6	12.5	0.5	Dark grayish yellow green	None	0.9	13.1	9.2	4.6	<0.46	<0.53	<0.57		
			Bottom layer					11.8	13.6	-	None		14.5	8.3	8.7	<0.52	<0.66	<0.49		
			Surface layer	2012/12/13	Sunny	4.0	17.5	5.5	0.5	Grayish yellow green	None	1.5	15.0	1.0	2.2	<0.46	<0.53	<0.42		
			Bottom layer					6.5	16.5	-	None		32.8	34	54	<0.65	<0.72	<0.75		
			Surface layer	2013/01/16	Sunny	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer																	
			Surface layer	2013/03/01	Cloudy	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom layer																	
173	Watarike Pond (farm pond)	Yahokimachi Town	Surface layer	2012/07/25	Cloudy	27.6	0.5	25.0	0.0	Grayish yellow green	None	0.5	20.9	<1	0.6	<0.52	<0.65	<0.57		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/08/21	Sunny	35.0	0.8	35.9	0.0	Grayish yellow	None	0.8	18.9	10	4.2	<0.44	<0.56	<0.49		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/10/17	Cloudy	19.5	0.5	17.5	0.0	Grayish yellow	Earth	0.1	23.6	150	49	<0.53	<0.64	<0.66		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/11/16	Sunny	13.1	0.3	9.8	0.0	Grayish yellow	None	0.3	22.5	2.2	2.7	<0.62	<0.70	<0.76		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2013/01/07	Cloudy	0.1	0.2	4.4	0.0	Yellowish white	None	0.2	33.2	6.9	4.4	<0.50	<0.72	<0.53		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2013/02/14	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to construction
			Bottom layer																	
174	Izumikawa (farm pond)	Shirakawashi City	Surface layer	2012/07/25	Cloudy	26.1	0.2	24.5	0.0	Grayish yellow green	None	0.2	20.1	<1	0.6	<0.54	<0.64	<0.51		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water		
			Surface layer	2012/08/21	Sunny	35.0	0.5	31.3	0.0	Yellow greenish white	None	0.5	21.5	<1	0.5	<0.72	<0.60	<0.75		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/10/15	Sunny	18.1	0.2	18.3	0.0	Yellowish white	None	0.2	22.0	3.9	3.0	<0.49	<0.53	<0.57		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2012/11/16	Sunny	14.7	0.7	11.6	0.0	Yellowish black	None	0.7	31.8	5.2	5.6	<0.51	<0.59	0.54		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2013/01/11	Sunny	1.2	0.3	3.6	0.0	Greenish yellowish white	None	0.3	21.5	4.4	4.1	<0.46	<0.70	<0.50		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
			Surface layer	2013/02/14	Sunny	2.3	0.5	7.5	0.0	Light grayish yellow green	None	0.5	25.5	2.9	3.6	<0.51	<0.87	<0.51		
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	Collected only from the surface layer due to shallow water	
175	Hokkawa Dam	Nishigomura Village	Surface layer	2012/08/09	Cloudy	26.0	29.8	24.2	0.5	Colorless transparent	None	5.0	5.5	<1	0.4	<0.62	<0.70	<0.78		
			Bottom layer					15.0	28.8	-	None		4.8	<1	0.3	<0.50	<0.67	<0.54		
			Surface layer	2012/10/18	Cloudy	16.6	31.5	16.1	0.5	Greenish yellowish white	None	5.2	6.2	<1	0.4	<0.58	<0.85	<0.66		
			Bottom layer					10.0	30.5	-	None		10.1	4.7	2.9	<0.55	<0.65	<0.75		
			Surface layer	2012/11/22	Cloudy	6.5	30.3	9.3	0.5	Grayish yellow	None	30.3	6.5	<1	0.7	<0.55	<0.66	<0.66		
			Bottom layer					9.0	29.3	-	None		6.4	5.1	2.7	<0.63	<0.70	<0.71		
			Surface layer	2012/12/12	Sunny	2.8	27.2	6.4	0.5	Dark grayish yellow green	None	5.9	6.6	<1	0.5	<0.50	<0.58	<0.54		
			Bottom layer					6.4	26.2	-	None		6.7	<1	0.6	<0.58	<0.68	<0.63		
			Surface layer	2013/01/16	Sunny	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			Bottom layer					-	-	-	-	-	-	-	-	-	-	-	-	
			Surface layer	2013/03/07	Cloudy	7.2	24.6	2.6	0.5	Dark grayish yellow green	None	3.2	7.0	<1	1.6	<0.58	<0.66	<0.56		
			Bottom layer					3.0	23.6	-	None		7.0	8.4	4.7	<0.54	<0.67	<0.48		

Table 4.3.2.2 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Sediment)

	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Sediment																Remarks
	No.	Point	Municipality					General items											Radioactive material concentrations (Bq/kg dried mud)					
								Mud temperature	Mud sampling	Color	Odor	Medium gravel	Fine gravel	Coarse sand	Mechanical composition %		Silt	Clay	Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137	
a n d h e a d w	164	Hamadori Shitaki Dam Reservoir	Iwakishi City	2012/08/10	Sunny	26.0	34.8	11.9	5	Dark grayish greenish yellow	None	0.0	0.0	0.0	6.4	43.9	49.7	0.0	49.5	2.509	Silt	<13	360	570
				2012/09/14	Sunny	30.0	34.4	16.7	5	Greenish yellowish black	None	0.0	0.0	0.0	4.6	45.8	49.6	0.0	51.8	2.585	Silt	<13	360	620
				2012/10/19	Sunny	14.3	37.2	9.1	10	Very dark reddish yellow	Faint putrescence	0.0	0.0	0.3	11.3	41.2	47.2	0.0	41.0	2.446	Silt	<16	420	700
				2012/11/08	Sunny	16.2	35.8	10.9	15	Dark grayish yellow	Mud	0.0	0.0	0.0	2.7	36.4	60.8	0.0	40.9	2.459	Silt	<18	490	820
				2013/01/10	Sunny	4.1	35.8	4.1	5	Dark grayish yellow	Faint mud	0.0	0.0	0.0	0.9	25.8	71.7	1.6	43.5	2.484	Silt	<18	590	1,100
				2013/02/05	Sunny	4.7	36.8	3.6	10	Dark grayish yellow	Faint sludge	0.0	0.0	0.0	2.3	38.1	59.5	0.0	44.0	2.487	Silt	<18	490	910

Table 4.3.2.2(2) Fukushima Pref. (Nakadori Area) Lake and Headwater (Sediment)

Mud sampling Point			Sampling date	Weather	Air temperature °C	Full depth m	Sediment															Remarks			
No.	Point	Municipality					General items										Radioactive material concentration (Bq/kg dried mud)								
							Mud temperature °C	Mud sampling depth cm	Color	Odor	Mechanical composition %					Mud content %	Density g/cm ³	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137				
173	Watarike Pond (farm pond)	Yabukimachi Town	2012/07/25	Cloudy	27.6	0.5	25.7	3	Dark reddish yellow	None	0.0	4.4	1.2	24.7	30.6	37.1	2.0	73.7	2.644	Mud	<3.8	24	39		
			2012/08/21	Sunny	35.0	0.8	35.6	2	Dark grayish reddish yellow	Sludge	2.4	9.7	4.6	23.9	24.1	34.0	1.3	75.5	2.642	Sand	<4.8	54	90		
			2012/10/17	Cloudy	19.5	0.5	17.2	2	Reddish yellowish black	Sludge	0.0	12.9	1.1	21.2	29.9	34.8	0.1	61.3	2.649	Sand/silt	<7.7	130	230		
			2012/11/16	Sunny	13.1	0.3	9.8	5	Dark grayish reddish yellow	None	0.0	3.7	41.4	4.5	24.1	26.4	0.0	41.0	2.434	Silt	<26	1,500	2,600		
			2013/01/07	Cloudy	0.1	0.2	5.5	5	Dark grayish yellow red	None	0.0	2.5	25.2	47.2	13.5	11.5	0.0	77.4	2.673	Sand	<5.8	82	140		
			2013/02/14	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
174	Izumikawa (farm pond)	Shirakawashi City	2012/07/25	Cloudy	26.1	0.2	24.8	2	Dark yellow red	None	36.3	29.7	23.4	5.0	2.1	3.6	0.0	88.4	2.647	Sand	<7.9	270	450		
			2012/08/21	Sunny	35.0	0.5	30.3	3	Dark grayish reddish yellow	None	13.1	27.2	1.5	42.4	9.2	6.5	0.0	84.5	2.676	Sand	<8.5	310	510		
			2012/10/15	Sunny	18.1	0.2	17.1	2	Yellowish black	Sludge	0.0	0.5	0.0	22.6	42.5	34.4	0.0	46.1	2.524	Silt	<35	3,300	5,600		
			2012/11/16	Sunny	14.7	0.7	11.2	3	Reddish yellowish black	None	9.7	15.6	30.2	10.7	17.1	16.7	0.0	68.4	2.577	Silt	<9.1	260	450		
			2013/01/11	Sunny	1.2	0.3	3.7	3	Dark grayish reddish yellow	None	9.9	29.6	34.6	19.3	3.1	3.6	0.0	82.4	2.642	Silt	<9.9	450	820		
			2013/02/14	Sunny	2.3	0.5	6.8	5	Dark grayish reddish yellow	None	9.9	28.0	30.2	19.2	8.3	4.3	0.0	83.6	2.672	Sand	<8.8	320	620		
175	Hokkawa Dam	Nishigomura Village	2012/08/09	Cloudy	26.0	29.8	12.6	10	Very dark reddish yellow	None	0.0	0.0	6.7	9.3	27.1	56.0	0.9	43.1	2.514	Silt	<26	1,900	3,200		
			2012/10/18	Cloudy	16.6	31.5	8.0	5	Dark grayish yellow	Sludge	0.0	0.0	0.0	2.0	29.9	66.8	1.3	43.6	2.444	Silt	<40	4,900	8,400		
			2012/11/22	Cloudy	6.3	30.3	8.4	10	Dark grayish yellow	Sludge	0.0	0.0	0.0	2.4	31.1	66.1	0.5	41.8	2.427	Silt	<24	1,300	2,300		
			2012/12/12	Sunny	2.8	27.2	5.8	15	Dark grayish yellow	Sludge	0.0	0.0	0.0	2.6	35.9	61.0	0.5	38.7	2.423	Silt	<28	1,700	2,900		
			2013/01/16	Sunny	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
			2013/03/07	Cloudy	7.2	24.6	2.6	5	Dark grayish greenish yellow	Faint mud	0.0	0.0	0.0	1.3	33.2	63.3	2.2	39.9	2.457	Silt/mud	<42	4,500	8,700		
176	Nanko Lake	Shirakawashi City	2012/08/08	Sunny	22.4	1.4	26.2	5	Reddish yellowish black	Sludge	0.0	0.5	2.0	15.8	41.7	40.0	0.0	29.5	2.398	Silt	<18	210	370		
			2012/10/16	Sunny	17.0	1.2	17.9	5	Greenish yellowish black	Sludge	0.0	0.0	11.4	13.7	36.7	38.2	0.0	28.5	2.249	Silt	<19	290	530		
			2012/11/05	Sunny	17.8	1.4	12.1	10	Greenish yellowish black	Sludge	0.0	0.0	5.6	22.0	36.5	35.9	0.0	24.2	2.182	Silt	<44	2,700	4,400		
			2012/12/13	Cloudy	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			2013/01/11	Sunny	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to drought
			2013/02/14	Sunny	7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2013/03/12	Sunny	8.4	0.8	7.5	8	Dark grayish greenish yellow	None	0.0	0.0	0.0	10.5	47.0	42.5	0.0	23.8	2.215	Silt	<30	800	1,500					

Table 4.3.2.2 (3) Fukushima Pref. (Aizu Area) Lake and Headwater (Sediment)

L a k e s h e a d w a t e r s	Sampling point			Sampling date	Weather	Air temperature °C	Full depth m	Sediment											Radioactive material concentrations (Bq/kg dried mud)			Remarks				
	No.	Point	Municipality					Mud temperature °C	Mud sampling depth cm	Color	Odor	General Items							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	
201	Togakura Reservoir	Tadamimachi Town	2012/08/02	Sunny	29.5	65.2	8.4	10	Grayish yellow	None	0.0	0.0	0.0	2.5	23.1	52.6	21.8	50.2	2.583	Silt	<9.1	79	150			
			2012/10/23	Rain	12.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to low water level causing boat's unavailability.
			2012/11/12	Cloudy	14.0	14.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to lake bottom being rockbed
			2012/12/13	Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			2013/01/10	Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
	Fakui (farm pond)	Tadamimachi Town	2013/03/06	Sunny	7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			2012/07/25	Cloudy	28.0	0.9	20.5	5	Dull yellow red	None	0.0	1.0	47.2	50.0	0.5	1.3	0.0	90.6	2.466	Sand	<5.9	<8.8	<6.6			
			2012/08/21	Sunny	32.0	1.1	27.0	3	Strong reddish yellow	None	3.0	21.8	11.5	52.8	4.6	6.1	0.4	92.6	2.665	Sand	<4.6	<7.9	7.1			
			2012/10/23	Rain	12.1	0.2	15.2	3	Dark grayish reddish yellow	Faint mud	11.5	4.7	0.0	12.3	35.5	35.1	0.9	61.3	2.553	Sand/silt	<8.2	110	160			
			2012/11/12	Rain	12.5	0.5	13.4	6	Dark grayish reddish yellow	None	2.0	12.3	68.6	12.1	1.9	3.1	0.0	90.4	2.654	Sand	<5.0	<6.9	<5.5			
	Tajima Dam Reservoir (Funeharuko Lake)	Minamiazumachi Town	2013/01/10	Snow	-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to freezing
			2013/03/06	Sunny	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground
			2012/08/08	Cloudy	23.2	10.4	9.6	5	Yellow reddish black	Faint sludge	0.0	0.0	0.0	2.4	41.4	55.1	1.0	37.2	2.65	Silt	<13	77	130			
			2012/10/24	Cloudy	9.9	9.1	11.3	5	Very dark reddish yellow	Mud	0.0	0.0	0.0	3.9	44.5	51.1	0.5	36.8	2.317	Silt	<13	90	180			
			2012/11/14	Sunny	7.7	11.2	8.6	20	Dark grayish yellow red	None	0.0	0.0	1.6	18.7	36.7	42.8	0.1	31.4	2.242	Silt	<20	250	450			
Okutadami Reservoir	Tadamimachi Town	2012/12/12	Cloudy	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to freezing
		2013/03/04	Sunny	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		2012/08/02	Sunny	30.9	14.7	14.0	10	Dark grayish yellow	Faint earth	0.0	0.4	4.7	17.2	34.9	42.2	0.6	62.3	2.546	Silt/sand	<7.5	31	66				
		2012/10/23	Rain	12.0	13.3	16.6	7	Dark grayish greenish yellow	Faint sludge	0.0	0.0	0.0	7.5	46.2	46.3	0.0	56.9	2.597	Silt	<7.3	70	120				
Ozenuma Lake	Hinoemamura Village	2012/11/13	Sunny	11.8	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Boat not available, so sampling point changed. Unable to collect mud due to lake bottom being concrete	
		2012/12/14	Sunny	-5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to snow on the ground	
		2013/03/06	Sunny	7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
205	Ozenuma Lake	Hinoemamura Village	2012/08/28	Sunny	21.5	7.6	10.8	12	Greenish yellowish dark gray	None	0.0	0.0	31.4	9.8	29.0	29.8	0.0	17.7	2.599	Silt	<25	120	190			
			2012/09/27	Sunny	23.1	7.2	12.5	10	Greenish yellowish dark gray	Faint sludge	0.0	0.0	0.0	2.9	45.1	52.1	0.0	18.2	2.037	Silt	<29	150	280			
			2012/10/09	Sunny	14.7	7.3	13.3	5	Yellowish dark gray	Sludge	0.0	0.0	0.4	15.6	42.3	41.8	0.0	19.9	2.009	Silt	<4.1	<5.4	34			

Table 4.3.2.3 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature C	Surrounding Environment (Soil and Air Dose)							Air dose $\mu\text{Sv/h}$	Remarks
No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))					
						Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137			
124	Takei (farm pond)	Shimochimachi Town	2012/07/24	Cloudy	24.2	Dark reddish yellow	Faint earth	Loamy	<14	980	1,500	0.32		
			2012/10/10	Sunny	22.9	Very dark yellow red	Earth	Loamy	<15	950	1,600	0.33		
			2012/11/25	Sunny	10.6	Very dark yellow red	Earth	Loamy	<12	610	1,000	0.34		
			2012/12/18	Cloudy	8.9	Very dark reddish yellow	Earth	Loamy	<13	690	1,200	0.31		
			2013/01/08	Cloudy	0.9	Dark reddish yellow	Faint earth	Loamy	<12	580	1,000	0.33		
			2013/01/31	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
125	Uchizawa (farm pond)	Sonashi City	2012/07/24	Cloudy	24.0	Very dark reddish yellow	Earth	Loamy	<11	600	990	0.20		
			2012/09/18	Sunny	-	Soft reddish yellow	Earth	Loamy	<14	970	1,600	0.14		
			2012/10/17	Sunny	18.0	Dull yellow red	Earth	Loamy	<12	610	1,000	0.23		
			2012/11/25	Cloudy	8.1	Very dark reddish yellow	Earth	Loamy	<12	680	1,200	0.18		
			2013/01/08	Sunny	-	Very dark reddish yellow	Earth	Loamy	<8.8	310	560	0.22		
			2013/01/30	Sunny	4.0	Dark reddish yellow	Faint earth	Loamy	<8.3	320	610	0.27		
126	Matsugabo Dam (Utagawako Lake)	Sonashi City	2013/03/06	Sunny	17.0	Very dark yellow red	Faint earth	Loamy	<12	600	1,100	0.27		
			2012/08/06	Sunny	26.0	Dark greenish yellow	Faint earth	Sandy	<15	1,100	1,900	0.73		
			2012/09/10	Sunny	29.0	Dark reddish yellow	Green grass	Sandy	<15	1,400	2,400	0.74		
			2012/10/15	Sunny	15.6	Dark reddish yellow	None	Sandy	<13	1,100	1,800	0.77		
			2012/11/05	Cloudy	12.3	Very dark reddish yellow	Earth	Loamy	<21	2,500	4,300	0.71		
			2013/01/15	Sunny	-2.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
127	Hamadori Mano Dam	Hamadori	2012/08/07	Sunny	29.0	Dark reddish yellow	Earth	Loamy	<19	2,100	3,300	1.24		
			2012/09/11	Sunny	29.0	Dark reddish yellow	Earth	Loamy	<23	2,800	4,300	1.25		
			2012/10/16	Sunny	17.4	Very dark yellow red	Earth	Loamy	<26	3,500	5,800	1.61		
			2012/11/06	Rain	14.5	Very dark reddish yellow	Earth	Loamy	<26	3,400	5,800	1.30		
			2012/12/04	Rain	9.1	Very dark yellow red	Earth	Loamy	<25	3,300	5,700	1.09		
			2012/12/27	Sunny	0.7	Dark reddish yellow	Earth	Loamy	<31	4,900	9,100	1.10		
			2013/01/15	Sunny	1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground and strong wind
			2013/02/05	Sunny	2.7	Very dark yellow red	Earth	Loamy	<29	4,000	7,400	1.14		
			2013/02/26	Sunny	-0.2	Dark yellow red	Earth	Loamy	<24	3,400	6,400	1.10		
			2012/07/26	Cloudy	26.0	Very dark reddish yellow	Faint earth	Loamy	<47	9,100	14,000	4.19		
128	Ainosawa (farm pond)	Hitatemura Village	2012/10/24	Sunny	12.0	Dark yellow red	Earth	Loamy	<38	7,900	13,000	4.12		
			2012/11/21	Sunny	5.2	Very dark yellow red	Earth	Loamy	<53	9,100	15,000	3.94		
			2012/12/19	Sunny	-0.5	Very dark reddish yellow	Earth	Loamy	<110	29,000	54,000	4.26		
			2013/01/22	Snow	0.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2013/02/26	Sunny	1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2012/08/07	Sunny, then cloudy	24.0	Dark reddish yellow	Earth	Loamy	<41	6,800	11,000	3.54		
129	Ganbe Dam Reservoir	Hitatemura Village	2012/09/11	Sunny	29.0	Very dark reddish yellow	Earth	Loamy	<52	11,000	18,000	2.33		
			2012/10/16	Sunny	17.3	Dark yellow red	Faint earth	Loamy	<48	10,000	17,000	3.12		
			2012/11/06	Rain	13.3	Very dark reddish yellow	Earth	Loamy	<50	10,000	17,000	2.89		
			2013/01/16	Sunny	-5.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2013/02/27	Sunny	5.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2012/07/26	Sunny	36.0	Dark yellow red	Faint earth	Loamy	<34	6,100	9,400	3.63		
130	Fugane Dam (farm pond)	Hitatemura Village	2012/10/24	Cloudy	16.2	Very dark reddish yellow	Faint earth	Loamy	<30	5,200	8,800	3.69		
			2012/11/21	Sunny	8.6	Very dark yellow red	Earth	Loamy	<37	6,800	12,000	3.34		
			2012/12/19	Sunny	1.4	Very dark reddish yellow	Earth	Loamy	<44	10,000	19,000	3.59		
			2013/01/22	Snow	1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/26	Cloudy	1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing

Table 4.3.2.3 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature C	Surrounding Environment (Soil and Air Dose)							Remarks	
No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μ Sv/h		
						General items		Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				
		Color		Odor	Property									
131	Sasotoge (farm pond)	Itatamura Village	2012/07/27	Sunny	31.0	Very dark reddish yellow	Faint earth	Loamy	<60	19,000	30,000	3.83		
			2012/10/24	Sunny	9.2	Very dark reddish yellow	Faint earth	Loamy	<70	20,000	33,000	3.51		
			2012/11/21	Sunny	3.7	Dark yellow red	Earth	Loamy	<52	13,000	22,000	3.65		
			2012/12/19	Sunny	-1.0	Very dark reddish yellow	Earth	Loamy	<51	12,000	21,000	3.79		
			2013/01/22	Snow	1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/27	Sunny	4.5	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
132	Takanokura Dam Reservoir		2012/08/08	Rain	21.0	Dark yellow red	Earth	Loamy	<44	11,000	17,000	2.21		
			2012/09/12	Cloudy	27.0	Very dark reddish yellow	Earth	Loamy	<42	11,000	18,000	2.40		
			2012/10/17	Sunny	19.4	Very dark reddish yellow	Faint earth	Loamy	<23	3,600	6,000	2.40		
			2012/11/07	Sunny	16.1	Very dark reddish yellow	Earth	Loamy	<25	3,800	6,400	2.55		
			2013/01/17	Sunny	3.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/12	Cloudy	-1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
133	Yokokawa Dam Reservoir		2012/08/08	Cloudy	21.0	Dark reddish yellow	Earth	Loamy	<21	3,000	4,700	2.18		
			2012/09/12	Sunny	30.8	Dull reddish yellow	Earth	Loamy/sandy	<27	4,100	6,700	2.07		
			2012/10/17	Sunny	22.8	Dark reddish yellow	Earth	Sandy	<19	2,300	3,700	2.18		
			2012/11/07	Sunny	18.4	Very dark yellow	Earth	Loamy	<25	3,600	6,100	2.32		
			2013/01/17	Sunny	4.0	-	Earth	Loamy	<29	4,200	7,700	1.73		
			2013/02/12	Sunny	1.4	Very dark reddish yellow	Earth	Loamy	<35	6,500	12,000	2.24		
134	Tarayachi (farm pond)	Minamisomashi City	2012/07/25	Cloudy	25.0	Very dark yellow red	Faint earth	Loamy	<35	4,700	7,400	1.24		
			2012/08/21	Sunny	31.0	Dull reddish yellow	Earth	Loamy	<27	3,300	5,300	1.44		
			2012/09/21	Cloudy, partly rain	20.0	Dark yellow red	Earth	Loamy	<13	820	1,400	1.23		
			2012/10/23	Rain	14.0	Dull yellow red	Earth	Loamy	<28	4,800	8,000	1.62		
			2012/11/20	Sunny	-	Very dark yellow red	Earth	Loamy	<25	2,500	4,400	1.29		
			2013/01/14	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
135	Takeshiyachi (farm pond)		2013/02/12	Sunny	-3.0	Dark reddish yellow	Earth	Loamy	<20	1,800	3,400	1.35		
			2012/10/10	Sunny	21.7	Dull reddish yellow	Earth	Loamy	<13	760	1,300	0.37		
			2012/11/20	Sunny	12.1	Dark reddish yellow	Earth	Loamy	<14	920	1,700	0.36		
			2012/12/18	Cloudy	8.0	Dark reddish yellow	Earth	Loamy	<14	880	1,600	0.37		
			2013/01/08	Sunny	4.1	Dark reddish yellow	Earth	Loamy/clayish	<15	760	1,300	0.37		
			2013/01/31	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
136	Ryugasaku (farm pond)		2013/02/26	Sunny	4.0	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
			2012/08/28	Sunny	36.0	Pale reddish yellow	Faint earth	Loamy	<17	1,700	2,900	1.04		
			2012/10/10	Cloudy	20.0	Dark reddish yellow	Earth	Loamy	<22	2,400	4,000	0.90		
			2012/11/20	Cloudy	11.7	Dark reddish yellow	Earth	Sandy	<15	1,200	2,100	1.02		
			2012/12/18	Cloudy	10.1	Dark reddish yellow	Earth	Sandy	<19	2,200	4,100	1.02		
			2013/01/14	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
137	Uwatashiro (farm pond)	Kawamatamachi Town	2013/02/27	Cloudy	1.0	-	-	-	-	-	-	-	Unable to collect samples due to freezing	
			2012/07/05	Sunny	28.0	Very dark reddish yellow	Earth	Loamy	<25	2,600	4,000	1.24		
			2012/10/10	Sunny	13.3	Dark yellow red	Earth	Loamy	<4.0	6,500	11,000	1.33		
			2012/11/11	Cloudy	9.5	Very dark yellow red	Earth	Loamy	<27	2,700	4,600	1.34		
			2012/12/19	Sunny	-1.8	Very dark yellow red	Earth	Loamy	<22	2,000	3,700	1.34		
			2013/01/14	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
138	Keokuto (farm pond)	Namiemachi Town	2013/02/11	Snow	-2.0	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2012/07/05	Cloudy	25.1	Very dark reddish yellow	Leaf mold	Loamy	<81	29,000	45,000	14.29		
			2012/10/25	Sunny	16.0	Dark yellow red	Faint earth	Loamy	<160	45,000	75,000	8.82		
			2012/11/21	Sunny	2.9	Very dark yellow red	Earth	Loamy	<140	41,000	71,000	9.40		
			2012/12/19	Sunny	2.3	Very dark reddish yellow	Earth	Loamy	<250	98,000	170,000	9.02		
			2013/01/15	Sunny	-1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/04	Rain	-	-	-	-	-	-	-	Unable to collect samples due to freezing		

Lake and Headwater

Table 4.3.2.3 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature C	Surrounding Environment (Soil and Air Dose)							Remarks	
No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μ Sv/h		
						Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137			
139	Yosouchi (farm pond)	Itatemura Village	2012/07/26	Cloudy	28.0	Very dark yellow red	Faint earth	Loamy	<38	7,400	12,000	2.75		
			2012/10/24	Sunny	12.0	Strong reddish yellow	Faint earth	Sandy	<28	5,300	8,900	2.90		
			2012/11/21	Sunny	5.2	Very dark yellow	Earth	Loamy	<42	6,200	11,000	2.55		
			2012/12/19	Sunny	-1.0	Dark reddish yellow	Earth	Loamy	<20	2,600	4,700	2.67		
			2013/01/22	Cloudy	1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
140	Myobusaku No. 2 (farm pond)	Minamisomashi City	2013/02/26	Cloudy	0.0	-	-	-	-	-	-	-	-	
			2012/07/25	Cloudy	26.0	Dark reddish yellow	Faint earth	Loamy	<14	690	1,100	0.44		
			2012/08/21	Sunny	33.0	Dark yellow	Earth	Loamy	<16	970	1,600	0.44		
			2012/09/21	Cloudy	21.4	Dark yellow red	Earth	Loamy	<15	580	1,100	0.39		
			2012/10/23	Rain	14.8	Dark reddish yellow	Earth	Loamy	<17	900	1,600	0.60		
			2012/11/20	Sunny	15.3	Very dark reddish yellow	Earth	Loamy	<15	630	1,100	0.43		
			2013/01/17	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2013/03/06	Sunny	15.0	Very dark reddish yellow	Earth	Loamy	<18	1,200	2,300	0.37		
			2012/07/26	Cloudy	29.1	Very dark reddish yellow	Faint earth	Loamy	<95	47,000	74,000	18.54		
141	Ogaki Dam	Namiemachi Town	2012/08/28	Sunny	34.0	Dull reddish yellow	Faint earth	Sandy/skeletal	<51	22,000	36,000	16.30		
			2012/10/18	Cloudy	18.0	Very dark reddish yellow	Earth	Loamy	<63	20,000	34,000	15.95		
			2012/11/15	Cloudy	8.6	Very dark reddish yellow	Earth	Loamy	<110	53,000	92,000	15.32		
			2012/12/04	Cloudy	7.4	Very dark reddish yellow	Earth	Loamy	<83	38,000	66,000	18.67		
			2012/12/27	Sunny	-1.8	Very dark yellow red	Earth	Loamy	<140	76,000	140,000	15.80		
			2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2012/07/05	Sunny	28.0	Very dark greenish yellow	Earth	Loamy	<28	3,900	6,100	1.00		
142	Uenokawa (farm pond)	Katsuraozuma Village	2012/09/20	Light rain	21.2	Very dark yellow red	Mold	Loamy	<27	3,700	6,100	1.36		
			2012/11/13	Sunny	12.2	Dark reddish yellow	Earth	Loamy	<26	3,300	5,500	1.23		
			2012/12/19	Cloudy	-1.0	Very dark reddish yellow	Earth	Loamy	<27	2,700	4,500	1.26		
			2013/01/14	Snow	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/04	Rain	-	-	-	-	-	-	-	-	-	
			2013/03/05	Cloudy	2.5	Very dark yellow red	Earth	Loamy	<23	2,400	4,600	1.22		
143	Heigoiri (farm pond)	Itatemura Village	2012/07/26	Sunny	25.0	Very dark yellow red	Faint earth	Loamy	<61	11,000	17,000	3.38		
			2012/10/24	Sunny	13.0	Very dark yellow red	Faint earth	Loamy	<92	23,000	37,000	3.58		
			2012/11/22	Cloudy	2.3	Very dark yellow red	Earth	Loamy	<49	6,400	11,000	3.18		
			2012/12/19	Sunny	-2.3	Dark grayish reddish yellow	None	Loamy	<71	14,000	24,000	3.43		
			2013/01/22	Snow	0.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/26	Cloudy	-1.0	-	-	-	-	-	-	-	-	
144	Mekurasawa No. 2 (farm pond)	Namiemachi Town	2012/07/04	Sunny	27.7	Very dark reddish yellow	Earth	Loamy	<44	11,000	19,000	3.57		
			2012/10/23	Rain	18.0	Very dark reddish yellow	Earth	Loamy	<42	12,000	23,000	4.34		
			2012/11/20	Sunny	12.6	Very dark reddish yellow	Earth	Loamy	<39	8,800	16,000	4.42		
			2012/12/18	Sunny	9.8	Very dark reddish yellow	Earth	Loamy	<37	8,100	16,000	4.53		
			2013/01/16	Sunny	2.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/05	Sunny	7.6	Very dark yellow red	Earth	Loamy	<43	11,000	21,000	4.01		
145	Asoku (farm pond)	Namiemachi Town	2012/07/04	Sunny	27.5	Very dark reddish yellow	Earth	Loamy	<58	18,000	32,000	5.93		
			2012/10/23	Rain	16.0	Very dark reddish yellow	Faint earth	Loamy	<72	25,000	47,000	5.68		
			2012/11/20	Sunny	12.9	Very dark yellow red	Earth	Loamy	<82	22,000	42,000	5.47		
			2012/12/18	Sunny	9.7	Very dark reddish yellow	Earth	Loamy	<86	29,000	57,000	5.42		
			2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2013/03/05	Sunny	10.1	Very dark reddish yellow	Earth	Loamy	<81	33,000	71,000	5.26		
146	Furumichigawa Power Plant Dam	Tamurashi City	2012/08/21	Sunny	37.0	Dark reddish yellow	None	Sandy	<16	1,600	2,500	0.47		
			2012/09/20	Cloudy	22.7	Dark yellow red	Faint earth	Loamy/skeletal	<11	750	1,300	0.51		
			2012/10/17	Sunny	21.1	Dark reddish yellow	Earth	Sandy/skeletal	<23	2,600	4,400	0.52		
			2012/11/21	Sunny	7.3	Very dark reddish yellow	Earth	Sandy/skeletal	<13	1,000	1,800	0.52		
			2013/01/25	Cloudy	3.0	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2013/02/19	Cloudy	0.1	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing

Lake and Headwater

Table 4.3.2.3(1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Surrounding Environment)

L a k e s a n d h e a d w a t e r s	Sampling point			Sampling date	Weather	Air temperature C	Surrounding Environment (Soil and Air Dose)						Remarks		
							No.	Point	Municipality	Soil				Radioactive material concentrations (Bq/kg (dry))	
	General items									Radioactive iodine I-131	Radioactive cesium				
	Color	Odor	Property								Cs-134	Cs-137			
147	Sawairi No. 1 (farm pond)	Futabamachi Town	2012/10/18	Cloudy	16.6	Dark reddish yellow	Earth	Loamy	-	<130	73,000	120,000	27.20		
			2012/11/21	Sunny	8.6	Dark yellow red	Faint earth	Loamy/clayish	-	<130	64,000	110,000	40.00		
			2012/12/18	Sunny	9.2	Dark reddish yellow	Earth	Loamy/clayish	-	<160	86,000	160,000	42.08		
			2013/01/17	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/03/05	Sunny	11.8	Dark reddish yellow	Earth	Loamy	-	<110	68,000	130,000	25.94		
148	Suzunami No. 4 (farm pond)	Okumamachi Town	2012/10/25	Sunny	16.7	Very dark reddish yellow	Faint earth	Loamy	-	<370	400,000	650,000	49.60		
			2012/11/20	Sunny	14.8	Dark yellow red	Earth	Clayish	-	<190	170,000	280,000	51.04		
			2012/12/18	Sunny	8.8	Dull reddish yellow	Earth	Loamy/clayish	-	<190	81,000	140,000	46.08		
			2013/01/17	Sunny	2.7	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/06	Snow	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
149	Nishibagaro (farm pond)	Futabamachi Town	2013/02/27	Cloudy	6.0	Dark reddish yellow	Faint earth	Loamy	-	<260	240,000	440,000	47.06		
			2012/07/25	Cloudy	26.8	Dark yellow red	None	Loamy	-	<49	11,000	18,000	6.95		
			2012/10/25	Sunny	15.8	Very dark reddish yellow	Faint earth	Loamy	-	<61	21,000	36,000	7.32		
			2012/11/21	Cloudy	8.3	Very dark greenish yellow	Earth	Loamy	-	<87	31,000	53,000	7.03		
			2012/12/18	Sunny	8.6	Very dark reddish yellow	Earth	Loamy	-	<71	22,000	39,000	6.81		
150	Sakashita Dam	Okumamachi Town	2013/01/15	Cloudy	-0.4	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/02/06	Snow	0.1	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/07/25	Cloudy	27.1	Dark yellow red	None	Sandy	-	<8.0	260	410	0.71		
			2012/08/29	Sunny	35.0	Soft yellow	Faint earth	Sandy	-	<7.7	340	550	1.16		
			2012/10/18	Cloudy	16.5	Dark reddish yellow	Faint grass	Loamy/sandy	-	<11	500	870	0.83		
151	Atsumori 2 (farm pond)	Okumamachi Town	2012/11/20	Sunny	10.4	Very dark yellow	Earth	Loamy	-	<18	2,000	3,400	1.63		
			2012/12/26	Sunny	-0.1	Very dark yellow red	Earth	Loamy	-	<55	6,500	11,000	1.44		
			2013/01/16	Sunny	-2.8	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/06	Snow	-0.3	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/07/13	Cloudy	28.0	Very dark reddish yellow	None	Loamy	-	<65	20,000	31,000	4.02		
152	Yonomori (farm pond)	Tomoiakamachi Town	2012/10/25	Sunny	19.8	Very dark yellow red	Earth	Loamy	-	<82	28,000	47,000	4.26		
			2012/11/21	Sunny	12.1	Very dark yellow red	Faint earth	Loamy/clayish	-	<45	10,000	17,000	3.90		
			2012/12/18	Sunny	9.4	Dull reddish yellow	Earth	Loamy/clayish	-	<24	3,500	6,100	3.93		
			2013/01/17	Sunny	7.0	Very dark reddish yellow	Earth	Loamy	-	<66	12,000	23,000	3.21		
			2013/02/06	Snow	0.4	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
153	Takikawa Dam	Kawauchimura Village	2012/07/04	Sunny	27.0	Dark yellow red	Faint earth	Loamy	-	<27	3,800	6,000	6.06		
			2012/09/19	Cloudy, partly rain	28.6	Dark yellow red	Grass	Loamy/skeletal	-	<43	10,000	17,000	5.35		
			2012/11/14	Sunny	15.2	Dark reddish yellow	Earth	Loamy	-	<58	17,000	30,000	5.85		
			2012/12/05	Sunny	11.8	Very dark reddish yellow	Faint putrescence	Loamy	-	<27	3,900	6,700	5.56		
			2013/01/17	Sunny	4.3	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/06	Snow	0.2	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/07/25	Cloudy	26.8	Soft reddish yellow	Faint earth	Loamy	-	<45	12,000	19,000	2.97		
			2012/08/29	Sunny	32.0	Soft greenish yellow	Faint earth	Loamy	-	<37	10,000	17,000	3.70		
			2012/10/17	Sunny	19.4	Very dark reddish yellow	Earth	Loamy	-	<62	23,000	38,000	5.71		
154	Takinosawa (farm pond)	Tomoiakamachi Town	2012/11/14	Sunny	11.7	Dark reddish yellow	Earth	Loamy	-	<49	13,000	23,000	3.75		
			2012/12/05	Sunny	7.4	Very dark yellow red	Earth	Loamy	-	<53	16,000	28,000	3.60		
			2012/12/26	Sunny	-0.2	Very dark yellow red	Earth	Loamy	-	<37	9,000	16,000	3.12		
			2013/01/16	Sunny	0.4	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/06	Snow	-0.3	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/27	Cloudy	3.5	Very dark reddish yellow	Earth	Loamy/skeletal	-	<59	19,000	36,000	2.76		
			2012/07/04	Sunny	25.0	Dull yellow green	Faint earth	Loamy	-	<41	7,000	11,000	1.50		

Table 4.3.2.3 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature C	Surrounding Environment (Soil and Air Dose)							Remarks	
No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μ Sv/h		
						General items		Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137				
		Color		Odor	Property									
155	Kamisigooka No. 1 (farm pond)	Narahamachi Town	2012/07/04	Sunny	27.0	Dark yellow red	Faint earth	Loamy	<28	4,500	7,100	2.01		
			2012/09/04	Sunny	27.5	Dark reddish yellow	Earth	Loamy	<29	4,200	6,700	1.95		
			2012/10/22	Sunny	20.4	Very dark reddish yellow	Earth	Loamy	<52	14,000	24,000	1.75		
			2012/11/21	Sunny	10.6	Very dark yellow red	Earth	Loamy	<33	5,500	9,500	1.79		
			2013/01/17	Sunny	5.6	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/02/07	Sunny	6.3	-	-	-	-	-	-	-	-	
			2012/07/04	Sunny	26.0	Dull reddish yellow	Faint earth	Loamy	<17	1,400	2,200	0.97		
			2012/09/04	Sunny	27.2	Dull reddish yellow	Grass	Sandy	<23	3,100	5,000	0.94		
			2012/10/22	Sunny, then cloudy	18.0	Dark reddish yellow	Earth	Loamy	<22	2,800	4,500	1.17		
			2012/11/20	Sunny	14.4	Dark reddish yellow	Earth	Loamy/clayish	<22	2,200	3,800	0.80		
2013/01/17	Sunny	5.7	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
2013/02/07	Sunny	7.6	-	-	-	-	-	-	-	-				
157	Komachi Dam	Onomachi Town	2012/08/22	Sunny	35.0	Dark reddish yellow	Earth	Sandy	<6.8	190	320	0.20		
			2012/10/16	Sunny	14.2	Dark reddish yellow	Earth	Sandy	<6.2	130	240	0.23		
			2012/11/20	Sunny, then cloudy	5.3	Dark reddish yellow	Earth	Sandy	<5.8	99	170	0.22		
			2012/12/14	Sunny	0.1	-	-	-	-	-	-	-	-	
			2013/01/17	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to freezing
			2013/03/01	Cloudy	0.0	-	-	-	-	-	-	-	-	
158	Kido Dam	Narahamachi Town	2012/08/23	Sunny	34.0	Dark reddish yellow	None	Sandy	<15	1,100	1,700	0.58		
			2012/10/19	Sunny	18.2	Very dark reddish yellow	Faint earth	Loamy/sandy	<17	1,100	1,800	0.55		
			2012/11/16	Cloudy	11.5	Dark reddish yellow	Earth	Loamy	<20	1,700	2,900	0.55		
			2012/12/05	Sunny	5.8	Dark yellow red	Earth	Loamy	<23	1,800	3,100	0.47		
			2012/12/27	Sunny	1.1	Very dark reddish yellow	Earth	Loamy	<16	1,300	2,200	0.53		
			2013/01/18	Snow	-3.1	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/03/06	Sunny	8.2	Dark reddish yellow	Earth	Loamy/sandy/skeletal	<17	1,300	2,500	0.48		
			2012/07/04	Cloudy	26.1	-	Faint earth	Loamy	<13	500	800	0.71		
			2012/09/04	Sunny	27.5	Very dark yellow red	Grass	Loamy	<27	3,400	5,400	0.80		
			2012/10/22	Sunny	22.0	Dull reddish yellow	Earth	Loamy/clayish	<32	3,300	5,700	0.56		
2012/11/20	Sunny	7.4	Dark reddish yellow	Earth	Loamy	<13	540	950	0.54					
2013/01/17	Sunny	3.1	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground			
2013/02/07	Rain	2.8	-	-	-	-	-	-	-	-				
160	Shinke (farm pond)	Iwakishi City	2012/07/27	Sunny	27.9	Dark reddish yellow	Earth	Sandy	<7.5	250	410	0.33		
			2012/08/27	Sunny	32.0	Dark reddish yellow	Grass	Sandy	<13	500	790	0.33		
			2012/10/26	Sunny	14.0	Dull yellow red	Earth	Loamy	<7.5	120	200	0.33		
			2012/11/15	Sunny	9.5	Dark reddish yellow	Earth	Loamy	<11	320	550	0.32		
			2013/01/11	Sunny	1.9	Dark reddish yellow	Earth	Loamy	<10	370	640	0.30		
			2013/02/04	Cloudy	5.2	Dark reddish yellow	Earth	Sandy	<11	390	710	0.26		
			2012/08/09	Cloudy	22.0	Deep yellow	Earth	Loamy	<12	530	850	0.19		
161	Kodama Dam Reservoir (Kodamako Lake)	Iwakishi City	2012/09/13	Sunny	28.0	Dark reddish yellow	Earth	Loamy	<9.5	250	390	0.17		
			2012/10/18	Cloudy, partly with light rain	17.8	Dark yellow red	Earth	Loamy	<6.4	140	240	0.18		
			2012/11/09	Sunny	13.9	Dark reddish yellow	Earth	Loamy	<6.9	190	320	0.20		
			2013/01/09	Cloudy	1.6	Dark yellow red	Earth	Loamy	<6.3	96	150	0.20		
			2013/02/05	Sunny	4.1	Dark reddish yellow	Earth	Loamy	<5.6	63	100	0.16		
			2012/07/27	Sunny	26.3	Very dark reddish yellow	Earth	Sandy	<9.9	450	700	0.34		
			2012/08/27	Sunny	29.8	Dark reddish yellow	Earth	Loamy/skeletal	<11	500	830	0.27		
162	Kanoritsumishima (farm pond)	Iwakishi City	2012/10/25	Sunny	17.1	Dark yellow red	Earth	Loamy	<12	580	960	0.23		
			2012/11/19	Cloudy	8.8	Dark reddish yellow	Faint earth	Loamy	<7.4	200	330	0.21		
			2013/01/09	Cloudy	5.8	Dark reddish yellow	Faint earth	Loamy/clayish	<11	380	690	0.22		
			2013/02/06	Sleet	1.5	Deep reddish yellow	Earth	Clayish	<5.4	11	24	0.16		

Lake and Headwater

Table 4.3.2.3 (1) Fukushima Pref. (Hamadori Area) Lake and Headwater (Surrounding Environment)

L a k e s a n d h e a d w a t e r s	Sampling point			Sampling date	Weather	Air temperature C	Surrounding Environment (Soil and Air Dose)							Remarks
	No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h	
							General items			Radioactive material concentrations (Bq/kg (dry))				
							Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134 Cs-137			
163	Hamadori	Takashiba Dam Reservoir (Takashibako Lake)	Iwakishi City	2012/08/09	Sunny	30.0	Dark reddish yellow	Earth	Loamy	<11	550	890	0.25	
				2012/09/13	Sunny	32.0	Very dark yellow red	Faint earth	Clayish	<15	950	1,600	0.25	
				2012/10/18	Cloudy, partly with light rain	16.6	Very dark reddish yellow	Earth	Loamy/skeletal	<6	10,000	17,000	0.29	
				2012/11/08	Sunny	15.3	Very dark reddish yellow	Earth	Loamy	<20	1,700	2,900	0.28	
				2013/01/10	Sunny	4.8	Very dark yellow red	Faint earth	Loamy/skeletal	<15	1,100	2,000	0.29	
				2013/02/05	Sunny	6.1	Very dark reddish yellow	Earth	Loamy/skeletal	<18	1,500	2,700	0.27	
				2012/08/10	Sunny	26.0	Dark reddish yellow	Faint earth	Loamy/sandy	<23	2,500	3,900	0.35	
				2012/09/14	Sunny	30.0	Very dark reddish yellow	Earth	Loamy/skeletal	<26	3,800	6,100	0.34	
				2012/10/19	Sunny	14.3	Very dark yellow red	Faint earth	Loamy/skeletal	<16	2,000	3,300	0.31	
				2012/11/08	Sunny	16.2	Very dark greenish yellow	Earth	Loamy	<18	1,500	2,500	0.36	
164	Hamadori	Shitoki Dam Reservoir	Iwakishi City	2013/01/10	Sunny	4.1	Very dark yellow red	Faint earth	Loamy/skeletal	<16	1,200	2,100	0.37	
				2013/02/05	Sunny	4.7	Very dark reddish yellow	Earth	Loamy/skeletal	<12	800	1,500	0.39	

Table 4.3.2.3(2) Fukushima Pref. (Nakadori Area) Lake and Headwater (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)							Air dose μSv/h	Remarks
No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))					
						Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137			
165	Surikamigawa Dam Reservoir	Fukushima City	2012/07/24	Cloudy	27.0	Dark reddish yellow	Earth	Loamy	-6.9	230	360	0.21		
			2012/09/13	Sunny	28.5	Dark reddish yellow	None	Loamy/skeletal	-14	890	1,500	0.19		
			2012/10/23	Rain	15.4	Very dark reddish yellow	Earth	Loamy/sandy	-13	560	960	0.21		
			2012/11/12	Cloudy	12.8	Dark reddish yellow	Earth	Loamy	-6.3	230	410	0.22		
			2013/01/16	Cloudy	1.9	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
166	Handanuma Lake (farm pond)	Kotimachi Town	2013/02/14	Cloudy	4.4	-	-	-	-	-	-	-		
			2012/07/05	Cloudy	23.6	Dark reddish yellow	Earth	Loamy	-28	3,300	5,300	0.89		
			2012/09/13	Sunny	27.1	Dark reddish yellow	Earth	Loamy	-27	2,400	4,300	0.76		
			2012/10/09	Sunny	18.7	Pale yellow red	None	Loamy	-27	3,500	5,800	0.84		
			2012/11/13	Sunny	12.2	Dark reddish yellow	Earth	Loamy	-23	2,400	4,200	0.53		
			2012/12/03	Cloudy	5.5	Dark yellow red	Earth	Loamy	-24	2,600	4,600	0.77		
			2013/01/14	Snow	-0.4	-	-	-	-	-	-	-		
			2013/02/13	Snow	-1.5	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/04	Sunny	7.0	-	-	-	-	-	-	-		
167	Oike Pond (farm pond)	Motomiyashi City	2012/07/24	Cloudy	24.5	Very dark reddish yellow	Grass	Loamy	-17	1,500	2,400	1.34		
			2012/08/20	Sunny	34.0	Dull reddish yellow	Earth	Loamy	-16	1,400	2,200	1.19		
			2012/10/09	Sunny	21.2	Strong reddish yellow	Faint earth	Loamy	-23	2,500	4,200	1.23		
			2012/11/14	Sunny	17.4	Dull reddish yellow	Earth	Sandy	-11	660	1,100	1.21		
			2012/12/27	Cloudy	-1.4	Dark yellow red	Faint earth	Sandy/clayish	-16	1,300	2,300	1.05		
			2013/02/14	Sunny	9.3	Dull reddish yellow	Faint earth	Loamy	-19	2,200	4,200	0.96		
168	Nakadori Miharu Dam	Miharumachi Town	2012/07/23	Sunny	26.7	Dark reddish yellow	Faint earth	Loamy	-14	660	1,000	0.23		
			2012/08/22	Sunny	31.0	Dark reddish yellow	Faint earth	Loamy	-7.7	300	460	0.28		
			2012/10/16	Sunny	21.0	Dark reddish yellow	Earth	Loamy	-14	700	1,100	0.26		
			2012/11/20	Cloudy	7.5	Very dark reddish yellow	Earth	Loamy	-13	620	1,100	0.24		
			2012/12/17	Cloudy	6.8	Very dark reddish yellow	Earth	Loamy	-14	720	1,200	0.22		
			2013/01/18	Cloudy	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/05	Snow	2.7	-	-	-	-	-	-	-		
169	Hounokusa (farm pond)	Koriyama City	2012/08/21	Sunny	29.0	Dark reddish yellow	None	Sandy	-20	2,700	4,400	0.57		
			2012/10/16	Sunny	17.9	Very dark reddish yellow	Faint earth	Loamy	-23	3,200	5,400	0.63		
			2012/11/14	Sunny	6.8	Very dark reddish yellow	Earth	Loamy	-20	2,200	3,800	0.56		
			2013/01/10	Cloudy	-1.0	Very dark reddish yellow	Earth	Loamy	-21	2,100	3,700	0.57		
			2013/02/13	Sunny	1.2	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2012/07/25	Cloudy	27.5	Dark reddish yellow	Earth	Sandy	-18	1,600	2,600	0.65		
170	Hatoriki Lake	Teneimura Village	2012/08/07	Sunny	27.7	Very dark reddish yellow	Mold	Loamy	-11	460	740	0.26		
			2012/10/18	Cloudy	12.2	Very dark yellow red	Faint earth	Loamy	-13	560	950	0.22		
			2012/11/07	Sunny	10.6	Very dark yellow red	Earth	Loamy	-11	470	840	0.21		
			2012/12/12	Sunny	1.2	Very dark reddish yellow	Earth	Loamy	-35	3,200	5,800	0.14		
			2013/01/16	Sunny	0.0	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/07	Sunny	2.0	-	-	-	-	-	-	-		
171	Hirodaira (farm pond)	Sakagawashi City	2012/07/25	Cloudy	26.3	Dark yellow red	Earth	Loamy	-6.6	150	230	0.21		
			2012/08/22	Sunny	33.0	Very dark yellow	None	Sandy	-11	580	950	0.19		
			2012/10/17	Sunny	18.3	Very dark yellow red	Faint earth	Loamy/skeletal	-9.5	310	500	0.20		
			2012/11/16	Sunny	12.5	Very dark yellow	Faint earth	Skeletal	-13	660	1,100	0.17		
			2013/01/11	Sunny	3.4	Very dark yellow red	Earth	Loamy	-9.5	330	580	0.20		
			2013/02/13	Cloudy	0.9	Very dark reddish yellow	Earth	Loamy	-9.2	260	470	0.20		
172	Sengosawa Dam Reservoir	Ishikawamachi Town	2012/08/10	Cloudy	29.1	Dark reddish yellow	Earth/faint mold	Loamy	-12	470	750	0.20		
			2012/10/17	Sunny	20.9	Very dark yellow red	Earth	Loamy	-9.1	230	400	0.17		
			2012/11/06	Rain	14.2	Dark reddish yellow	Earth	Loamy	-11	330	540	0.22		
			2012/12/13	Sunny	4.0	Very dark reddish yellow	Earth	Loamy	-9.2	300	550	0.18		
			2013/01/16	Sunny	0.1	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/01	Cloudy	0.0	-	-	-	-	-	-	-		

L a k e s a n d h e a d w a t e r s

Table 4.3.2.3(2) Fukushima Pref. (Nakadori Area) Lake and Headwater (Surrounding Environment)

L a k e s a n d h e a d w a t e r s	Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)							
	No.	Point	Municipality				Soil						Air dose μSv/h	Remarks
							General items			Radioactive material concentrations (Bq/kg (dry))				
							Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137		
173	Watarike Pond (farm pond)	Yabukimachi Town	2012/07/25	Cloudy	27.6	Dark yellow red	Earth	Loamy	<19	2,000	3,100	0.26		
			2012/08/21	Sunny	35.0	Very dark yellow red	Faint earth	Loamy	<11	350	600	0.17		
			2012/10/17	Cloudy	19.5	Very dark yellow red	None	Loamy	<11	290	480	0.24		
			2012/11/16	Sunny	13.1	Very dark reddish yellow	Earth	Loamy	<8.0	350	640	0.15		
			2013/01/07	Cloudy	0.1	Dark yellow red	Earth	Loamy	<8.4	370	660	0.17		
			2013/02/14	Sunny	-	-	-	-	-	-	-	-	-	Unable to collect samples due to construction
174	Izumikawa (farm pond)	Shirakawashi City	2012/07/25	Cloudy	26.1	Dark yellow red	Earth	Loamy	<25	2,600	4,200	0.77		
			2012/08/21	Sunny	35.0	Dark yellow red	Faint earth	Loamy	<16	1,300	2,100	0.66		
			2012/10/15	Sunny	18.1	Dull reddish yellow	Faint earth	Loamy	<34	6,100	10,000	0.66		
			2012/11/16	Sunny	14.7	Very dark yellow red	Earth	Loamy/skeletal	<30	4,300	7,600	0.58		
			2013/01/11	Sunny	1.2	Very dark yellow red	Earth	Loamy	<28	3,400	6,100	0.78		
			2013/02/14	Sunny	2.3	Very dark reddish yellow	Earth	Loamy	<30	3,800	6,900	0.65		
175	Hokkawa Dam	Nishigomura Village	2012/08/09	Cloudy	26.0	Dull reddish yellow	None	Loamy	<26	2,500	3,900	0.50		
			2012/10/18	Cloudy	16.6	Dark yellow red	Faint earth	Clayish	<12	590	1,000	0.42		
			2012/11/22	Cloudy	6.5	Dull reddish yellow	Earth	Loamy	<17	940	1,600	0.46		
			2012/12/12	Sunny	2.8	Dark reddish yellow	None	Loamy	<26	1,500	2,600	0.36		
			2013/01/16	Sunny	3.1	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/07	Cloudy	7.2	Dark yellow red	Earth	Loamy/sandy/skeletal	<22	1,500	2,900	0.41		
176	Nanko Lake	Shirakawashi City	2012/08/08	Sunny	22.4	Dark yellow red	None	Loamy/sandy	<13	900	1,500	0.49		
			2012/10/16	Sunny	17.0	Very dark yellow red	Faint earth	Loamy	<19	1,600	2,600	0.49		
			2012/11/05	Sunny	17.8	Very dark yellow red	Earth	Loamy	<13	1,000	1,700	0.53		
			2012/12/13	Cloudy	2.0	Very dark yellow red	None	Loamy	<16	990	1,700	0.43		
			2013/01/11	Sunny	3.0	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/02/14	Sunny	7.0	Very dark reddish yellow	Earth	Loamy	<17	890	1,800	0.42		
			2013/03/12	Sunny	8.4	Very dark reddish yellow	Faint earth	Loamy	<11	490	920	0.40		

Table 4.3.2.3(3) Fukushima Pref. (Aizu Area) Lake and Headwater (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature ℃	Surrounding Environment (Soil and Air Dose)							Remarks		
No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h			
						Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137				
177	Nechu Dam	Kitakatsahi City	2012/08/09	Sunny	28.0	Dark reddish yellow	None	Loamy	-6.2	120	200	0.16			
			2012/09/13	Sunny	24.7	Dull reddish yellow	Earth	Loamy	-6.6	160	260	0.13			
			2012/10/11	Sunny	23.9	Dark reddish yellow	Earth	Loamy	-7.9	160	270	0.14			
			2012/11/08	Rain	6.9	Dull reddish yellow	Earth	Skeletal	-5.1	24	49	0.15			
			2013/01/10	Cloudy, then snow	-2.3	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/06	Snow	4.0	-	-	-	-	-	-	-	-		
178	Seharako Lake	Kitashioharamura Village	2012/10/03	Cloudy	19.0	Very dark yellow red	Faint earth	Loamy	<25	2,700	4,600	0.26			
			2012/10/24	Sunny	9.4	Very dark yellow red	Earth	Loamy	<20	1,300	2,200	0.22			
			2012/11/21	Snow	0.0	Very dark yellow red	None	Skeletal	-6.3	210	350	0.12			
			2012/12/11	Snow	-2.0	-	-	-	-	-	-	-	-		
			2013/01/08	Snow	-0.4	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/07	Sunny	7.0	-	-	-	-	-	-	-	-		
179	Hibarako Lake	Kitashioharamura Village	2012/10/03	Cloudy	20.0	Dark yellow red	Faint earth	Loamy/sandy	-8.4	350	570	0.16			
			2012/10/26	Sunny	11.5	Dark yellow red	Earth	Sandy	-6.5	120	190	0.16			
			2012/11/21	Cloudy	-0.6	Dark yellow red	None	Sandy	-12	710	1,200	0.17			
			2012/12/10	Sunny, partly snow	-2.5	Dark yellow red	None	Sandy	-16	1,300	2,300	0.13			
			2013/01/08	Snow	-1.8	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/07	Sunny	7.0	-	-	-	-	-	-	-	-		
180	Onogawako Lake	Kitashioharamura Village	2012/10/05	Cloudy	19.0	Very dark yellow red	Earth	Loamy	-7.9	160	280	0.25			
			2012/10/22	Sunny	17.1	Very dark yellow red	Earth	Loamy	-12	550	950	0.23			
			2012/11/20	Rain, then sleet	3.3	Very dark yellow red	Faint earth	Loamy	-9.0	310	590	0.24			
			2012/12/10	Snow	-2.3	Very dark yellow red	None	Sandy	-6.7	89	170	0.09			
			2013/01/08	Snow	-0.5	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/07	Sunny	7.0	-	-	-	-	-	-	-	-		
181	Akimotoko Lake	Inawashiro Town	2012/10/05	Sunny	18.5	Very dark reddish yellow	Earth	Loamy	-8.4	250	470	0.15			
			2012/10/24	Sunny	9.4	Very dark yellow red	None	Loamy/skeletal	-8.2	270	440	0.17			
			2012/11/21	Sunny	-0.5	Very dark yellowish red	None	Loamy	-6.7	85	160	0.18			
			2012/12/10	Cloudy	-2.0	Very dark yellow red	Earth/grass	Loamy	-12	720	1,200	0.14			
			2013/01/08	Snow	-1.4	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/07	Sunny	-	-	-	-	-	-	-	-	-		
182	Bishamonuma Lake	Kitashioharamura Village	2012/10/04	Cloudy	18.0	Very dark yellow red	Earth	Loamy	-45	3,000	5,100	0.17			
			2012/10/24	Cloudy	9.1	Very dark yellow red	Earth	Loamy	-21	1,600	2,800	0.21			
			2012/11/21	Sunny	3.9	Very dark yellow red	Earth	Loamy	-13	650	1,100	0.17			
			2013/03/05	Snow	1.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2012/10/04	Cloudy	16.0	Dark yellow red	Earth	Loamy	-7.8	310	530	0.12			
183	Ogunuma Lake	Kitashioharamura Village	2012/10/24	Sunny	4.0	Very dark yellow red	Earth	Loamy	-18	920	1,500	0.13			
			2012/11/21	Sunny	-2.3	Dark reddish yellow	Earth	Loamy	-7.6	170	300	0.12			
			2013/03/06	Rain	7.0	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2012/07/25	Cloudy	24.5	Very dark yellow red	Grass	Loamy/skeletal/sandy	-4.6	12	22	0.08			
			2012/08/22	Sunny	35.0	Dull reddish yellow	Grass	Loamy/skeletal	-6.2	31	53	0.07			
184	Onuma Lake (farm pond)	Nishiazumachi Town	2012/10/11	Sunny	22.2	Dark reddish yellow	Earth	Loamy	-7.7	84	150	0.08			
			2012/11/16	Sunny	5.9	Very dark reddish yellow	Faint earth	Loamy/sandy	-4.9	69	110	0.08			
			2013/01/10	Snow	-0.4	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/05	Cloudy	2.0	-	-	-	-	-	-	-	-		
			2012/09/26	Sunny	19.6	-	-	-	-	-	-	-	-		
			2012/10/25	Cloudy	8.3	-	-	-	-	-	-	-	-		
185	Inawashiroko Lake	Center of the lake	Aizuwakamatsushi City	2012/11/19	Cloudy	7.1	-	-	-	-	-	-	-	Mad sampling points not determined	
				2012/12/11	Sunny	2.0	-	-	-	-	-	-	-		
				2013/01/08	Cloudy	-0.2	-	-	-	-	-	-	-	-	
				2013/03/05	Snow	-1.2	-	-	-	-	-	-	-	-	
				2012/09/26	Sunny	19.6	-	-	-	-	-	-	-	-	

Lake and Headwater

Table 4.3.2.3(3) Fukushima Pref. (Aizu Area) Lake and Headwater (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)							Remarks		
No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose μSv/h			
						Color	Odor	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137				
186	Fakahashigawa River Estuary		2012/09/25	Cloudy	20.4	Very dark yellow red	Faint earth	Loamy	-9.2	300	500	0.12			
			2012/10/25	Sunny	13.4	Dark reddish yellow	None	Sandy	-7.0	120	190	0.11			
			2012/11/19	Sunny	6.4	Very dark yellow red	Earth	Loamy	-11	390	690	0.12			
			2012/12/11	Sunny	2.7	Very dark reddish yellow	Earth	Loamy	-8.7	210	400	0.08			
			2013/01/08	Cloudy	-0.6	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
187	Ogarugawa River Estuary		2013/03/05	Snow	-0.8	-	-	-	-	-	-	-	-		
			2012/09/25	Cloudy	20.5	Very dark yellowish red	Faint earth	Loamy/skeletal	-12	450	760	0.13			
			2012/10/25	Sunny	11.7	Very dark yellow red	Earth	Loamy	-14	390	620	0.14			
			2012/11/19	Sunny	7.5	Very dark reddish yellow	Earth	Loamy	-13	520	890	0.14			
			2012/12/11	Sunny	2.3	Dark yellow red	Earth	Loamy/skeletal	-5.1	63	120	0.09			
188	Teinjahama Beach	Inawashiro-machi Town	2013/01/08	Cloudy	-0.4	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/05	Snow	-0.2	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/09/25	Cloudy	24.5	Very dark yellow red	None	Sandy	-4.4	42	79	0.08			
			2012/10/25	Sunny	10.5	Dark reddish yellow	None	Sandy	-5.2	120	210	0.07			
			2012/11/19	Sunny	8.6	Very dark yellow red	Earth	Sandy	-5.0	90	160	0.08			
189	Hashimugawa River Estuary		2012/12/11	Cloudy	2.3	Very dark reddish yellow	Earth	Sandy	-4.9	84	150	0.06			
			2013/01/08	Cloudy	-0.6	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/05	Snow	-0.2	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/09/25	Cloudy	22.4	Very dark yellowish red	None	Sandy	-3.7	18	36	0.08			
			2012/10/25	Sunny	10.4	Dark reddish yellow	None	Sandy	-3.2	19	32	0.08			
190	Intake of Atakasonai		2012/11/19	Sunny	10.3	Dark reddish yellow	None	Sandy	-4.0	22	38	0.08			
			2012/12/11	Cloudy	1.7	Very dark yellow red	None	Sandy	-3.3	18	28	0.07			
			2013/01/08	Cloudy	-1.5	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/06	Sunny	2.7	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/09/25	Cloudy	21.1	Dark yellow red	None	Loamy	-8.0	210	310	0.15			
191	Hamajihama Beach		2012/10/25	Sunny	9.5	Dark yellow red	Earth	Loamy	-7.6	150	250	0.12			
			2012/11/19	Sunny	8.6	Very dark reddish yellow	Earth	Loamy	-7.6	170	280	0.14			
			2012/12/11	Cloudy	2.1	Dark yellow red	Earth	Loamy	-6.0	100	170	0.14			
			2013/01/08	Cloudy	-0.6	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/06	Sunny	0.5	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
192	Funatsu Port	Koriyama-shi City	2012/09/25	Cloudy	20.5	Very dark yellowish red	Earth	Loamy	-9.8	320	580	0.13			
			2012/10/23	Rain	17.7	Very dark reddish yellow	Earth	Loamy	-21	1,400	2,300	0.12			
			2012/11/19	Sunny	7.0	Very dark yellow red	Mold	Loamy	-15	620	1,100	0.13			
			2012/12/11	Sunny	1.5	Very dark reddish yellow	Earth	Loamy	-7.5	71	120	0.11			
			2013/01/08	Cloudy	-0.2	Very dark yellow red	Earth	Loamy/skeletal	-8.4	240	420	0.10			
193	Offshore of Funatsugawa River Estuary		2013/03/06	Sunny	-0.5	Very dark reddish yellow	None	Loamy/skeletal	-13	370	720	0.10			
			2012/09/25	Cloudy	21.5	Dull reddish yellow	None	Sandy	-4.8	77	120	0.11			
			2012/10/23	Rain	15.8	Dark reddish yellow	Earth	Sandy	-6.8	97	140	0.10			
			2012/11/19	Sunny	7.1	Dark reddish yellow	Earth	Sandy	-7.2	220	390	0.12			
			2012/12/11	Sunny	2.1	Very dark reddish yellow	Earth	Loamy	-4.7	60	110	0.10			
193	Offshore of Funatsugawa River Estuary		2013/01/08	Cloudy	-0.5	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/06	Sunny	-1.4	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2012/09/25	Cloudy	23.0	Very dark yellowish red	None	Loamy	-8.5	280	470	0.11			
			2012/10/23	Rain	16.6	Dark reddish yellow	Earth	Loamy	-7.6	170	290	0.10			
			2012/11/19	Sunny	0.5	Very dark reddish yellow	Earth	Loamy	-7.2	160	280	0.10			
193	Offshore of Funatsugawa River Estuary		2012/12/11	Sunny	2.1	Dark yellow red	Earth	Loamy	-7.4	110	200	0.10			
			2013/01/08	Cloudy	-0.2	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/07	Sunny	11.4	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		

L a k e a n d h e a d w a t e r s

A i z u

Table 4.3.2.3(3) Fukushima Pref. (Aizu Area) Lake and Headwater (Surrounding Environment)

Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)								Remarks
No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose µSv/h		
						General items		Radioactive iodine	Radioactive cesium					
		Color		Odor	Property	I-131	Cs-134	Cs-137						
194	Seishogahama Beach	Koriyama City	2012/09/25	Cloudy	21.0	Dark reddish yellow	None	Sandy	-5.2	56	100	0.08		
			2012/10/23	Rain	15.8	Dark reddish yellow	Earth	Sandy	-4.6	7.2	21	0.04		
			2012/11/19	Sunny	6.1	Dark reddish yellow	None	Sandy	-4.2	13	28	0.09		
			2012/12/11	Sunny	2.5	Dark reddish yellow	None	Sandy	-5.1	64	110	0.08		
			2013/01/08	Cloudy	-2.4	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
195	Inawashiroko Lake	Aizuwakamatsushi City	2013/03/06	Sunny	-2.6	-	-	-	-	-	-	-		
			2012/09/25	Cloudy	18.2	Very dark yellow red	Earth	Loamy	-6.7	100	180	0.15		
			2012/10/25	Sunny	12.5	Dark reddish yellow	Earth	Loamy	-11	290	520	0.13		
			2012/11/19	Sunny	7.4	Very dark reddish yellow	Earth	Loamy	-9.9	250	400	0.17		
			2012/12/11	Sunny	2.0	-	-	-	-	-	-	-		
196	Koishigahama Floodgate	Inawashiro-machi Town/ Aizuwakamatsushi City	2013/01/08	Cloudy	-0.6	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/05	Snow	-0.3	-	-	-	-	-	-	-		
			2012/09/25	Cloudy	21.9	Very dark yellow red	Earth	Loamy/skeletal	-11	390	630	0.15		
			2012/10/25	Sunny	14.2	Very dark yellow red	Earth	Loamy	-17	930	1,600	0.15		
			2012/11/19	Cloudy	7.1	Very dark reddish yellow	Earth	Loamy	-16	640	1,100	0.16		
197	Higashiyama Dam Reservoir	Aizuwakamatsushi City	2012/12/11	Sunny	2.5	Very dark reddish yellow	Earth	Loamy	-11	350	580	0.10		
			2013/01/08	Cloudy	-1.4	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/05	Snow	-0.3	-	-	-	-	-	-	-		
			2012/08/09	Cloudy	26.5	Very dark yellow red	Earth	Loamy/skeletal	-9.7	300	490	0.15		
			2012/10/25	Sunny	9.7	Very dark reddish yellow	Earth	Loamy/skeletal	-8.3	270	430	0.16		
198	Numazawako Lake	Kaneyamamachi Town	2012/11/14	Cloudy, then rain	4.8	Very dark yellow	Grass	Loamy	-7.5	180	310	0.15		
			2012/12/11	Cloudy	2.1	-	-	-	-	-	-	-		
			2013/01/15	Snow	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/07	Sunny	6.0	-	-	-	-	-	-	-		
			2012/08/02	Sunny	33.0	Soft yellow red	Faint earth	Sandy	-8.3	330	550	0.14		
199	Terairi (farm pond)	Aizumisato-machi Town	2012/10/26	Cloudy, partly rain	10.7	Dark reddish yellow	Earth	Loamy	-9.9	470	790	0.14		
			2012/11/13	Sunny	11.3	Very dark reddish yellow	Earth	Loamy/sandy	-6.6	88	140	0.13		
			2012/12/13	Snow, partly sunny	0.4	Dark yellow red	Earth	Loamy	-8.8	210	340	0.06		
			2013/01/16	Sunny	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/03/05	Cloudy	-0.5	-	-	-	-	-	-	-		
200	Okawa Dam Reservoir	Aizuwakamatsushi City	2012/07/26	Sunny	31.0	Very dark yellow red	Earth	Loamy	-7.5	79	110	0.08		
			2012/08/21	Sunny	32.0	Dull yellow	Grass	Clayish loamy	-8.4	120	220	0.10		
			2012/10/24	Cloudy	9.2	Dark reddish yellow	Earth	Loamy	-7.6	170	310	0.11		
			2012/11/15	Sunny	5.2	Soft yellow	Earth	Loamy	-6.9	150	250	0.11		
			2013/01/10	Cloudy	-1.0	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
201	Tagakura Reservoir	Tadamimachi Town	2013/03/06	Sunny	9.5	-	-	-	-	-	-	-		
			2012/08/03	Sunny	26.5	Dull reddish yellow	Faint earth	Loamy	-8.0	160	260	0.09		
			2012/10/25	Sunny	12.0	Very dark yellow red	Faint earth	Loamy	-7.6	95	150	0.09		
			2012/11/15	Cloudy	6.4	Very dark yellow red	Earth	Loamy	-7.8	190	330	0.09		
			2012/12/12	Cloudy	4.2	Very dark yellow red	None	Loamy	-6.0	77	140	0.07		
201	Tagakura Reservoir	Tadamimachi Town	2013/01/15	Cloudy	-1.0	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground	
			2013/02/20	Cloudy	-1.8	-	-	-	-	-	-	-		
			2012/08/02	Sunny	29.5	Dull reddish yellow	Earth	Loamy	-5.1	22	46	0.08		
			2012/10/23	Rain	12.3	Very dark reddish yellow	Earth	Loamy	-5.1	<7.2	51	0.12		
			2012/11/12	Cloudy	14.0	Very dark reddish yellow	Earth	Loamy/sandy	-6.0	8.2	55	0.09		
201	Tagakura Reservoir	Tadamimachi Town	2012/12/13	Cloudy	-	-	-	-	-	-	-			
			2013/01/10	Snow	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground		
201	Tagakura Reservoir	Tadamimachi Town	2013/03/06	Sunny	7.0	-	-	-	-	-	-			

Lake and Headwater

Table 4.3.2.3(3) Fukushima Pref. (Aizu Area) Lake and Headwater (Surrounding Environment)

L a k e s a n d h e a d w a t e r s	Sampling point			Sampling date	Weather	Air temperature °C	Surrounding Environment (Soil and Air Dose)							Remarks	
	No.	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))			Air dose µSv/h		
							General items		Radioactive iodine I-131	Radioactive cesium					
							Color	Odor		Property	Cs-134	Cs-137			
202	Fukui (farm pond)	Tadamiruchi Town	2012/07/25	Cloudy	28.0	Very dark yellow red	Faint earth	Skeletal/loamy		<7.9	30	82	0.12		
			2012/08/21	Sunny	32.0	Dark reddish yellow	Faint grass	Loamy		<6.0	82	150	0.11		
			2012/10/23	Rain	12.1	Dark reddish yellow	Earth	Loamy		<4.7	21	33	0.12		
			2012/11/12	Rain	12.5	Very dark reddish yellow	Earth	Loamy		<5.6	12	30	0.12		
			2013/01/10	Snow	-3.0	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/03/06	Sunny	3.0	-	-	-	-	-	-	-	-	-	
203	Ajima Dam Reservoir (Fuehanako Lake)	Minamiazumachi Town	2012/08/08	Cloudy	23.2	Very dark reddish yellow	Earth	Loamy		<5.7	31	49	0.06		
			2012/10/24	Cloudy	9.9	Reddish black	Earth	Loamy		<5.5	34	63	0.06		
			2012/11/14	Sunny	7.7	Very dark reddish yellow	Earth	Loamy/sandy		<5.6	23	45	0.06		
			2012/12/12	Cloudy	0.0	-	-	-	-	-	-	-	-	-	
			2013/01/16	Sunny	-	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/03/04	Sunny	1.0	-	-	-	-	-	-	-	-	-	
204	Okutadami Reservoir	Tadamiruchi Town	2012/08/02	Sunny	30.9	Dark yellow red	Mold	Loamy		<18	240	390	0.06		
			2012/10/23	Rain	12.0	Very dark yellow red	Earth	Loamy		<23	180	320	0.06		
			2012/11/13	Sunny	11.8	Very dark reddish yellow	Earth	Loamy		<17	200	340	0.05		
			2012/12/14	Sunny	-5.5	-	-	-	-	-	-	-	-	-	Unable to collect samples due to snow on the ground
			2013/03/06	Sunny	7.0	-	-	-	-	-	-	-	-	-	
			2012/08/28	Sunny	21.5	Very dark yellow red	Moss	Loamy		<8.9	69	130	0.07		
205	Ozenuma Lake	Hinoemamura Village	2012/09/27	Sunny	23.1	Very dark reddish yellow	Faint earth	Loamy		<12	340	570	0.11		
			2012/10/09	Sunny	14.7	Dark yellow red	Faint earth	Loamy		<12	440	720	0.15		

Table 4.3.3.1 Fukushima Pref. Coastal Area (Water Quality)

C o a s t a l s e a a r e a s	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		
206	Approx. 2,000 m offshore of Tsuruhigashi Fishing Port in neighboring sea area of Soso	Surface layer	2012/07/24	Cloudy	24.1	14.0	21.8	0.5	Greenish pale gray	None	4.5	27.0	4.0	0.5	<0.48	<0.60	<0.64		
		Bottom layer						17.9	13.0	-	None		30.3	11	4.6	<0.56	<0.69	<0.57	
		Surface layer	2012/08/28	Cloudy	28.0	12.0	25.6	0.5	Greenish gray	None	8.0	28.9	3.5	1.7	<0.52	<0.83	<0.68		
		Bottom layer						22.1	11.0	-	None		30.3	2.9	2.4	<0.44	<0.65	<0.52	
		Surface layer	2012/09/18	Sunny	24.2	13.8	23.3	0.5	Dark yellow green	None	6.5	31.5	1.9	1.8	<0.55	<0.68	<0.73		
		Bottom layer						21.3	12.8	-	None		31.6	4.4	2.4	<0.68	<0.78	<0.62	
		Surface layer	2012/10/17	Sunny	17.0	15.0	20.4	0.5	Deep yellowish green	None	4.5	32.1	3.3	0.9	<0.59	<0.47	<0.60		
		Bottom layer						19.9	14.0	-	None		32.8	2.9	0.9	<0.69	<0.66	<0.64	
		Surface layer	2012/11/22	Cloudy	7.0	15.0	13.1	0.5	Strong bluish green	None	4.3	32.6	6.2	1.6	<0.53	<0.76	<0.55		
		Bottom layer						12.9	14.0	-	None		32.6	5.3	1.1	<0.65	<0.72	<0.58	
		Surface layer	2012/12/14	Sunny	5.0	14.5	10.0	0.5	Yellowish white	None	2.2	34.8	9.0	3.3	<0.45	<0.63	<0.60		
		Bottom layer						10.1	13.5	-	None		33.1	31	14	<0.58	<0.90	<0.66	
		Surface layer	2013/01/18	Sunny	0.1	14.6	7.9	0.5	Dark greenish yellow	None	1.5	32.7	9.3	4.4	<0.42	<0.72	<0.60		
		Bottom layer						8.8	13.6	-	None		34.0	17	7.7	<0.49	<0.70	<0.68	
		Surface layer	2013/02/22	Sunny	0.1	14.0	4.9	0.5	Greenish dark gray	None	2.9	28.6	7.0	2.1	<0.49	<0.67	<0.47		
		Bottom layer						5.1	13.0	-	None		28.7	34	15	<0.48	<0.63	<0.52	
		Surface layer	2013/03/12	Sunny	0.3	14.4	6.9	0.5	Dull bluish green	None	5.0	35.0	6.0	1.2	<0.56	<0.70	<0.56		
		Bottom layer						7.3	13.4	-	None		35.0	9.0	2.0	<0.53	<0.66	<0.64	
		207	Around center of Fishing Right Area-1 in Matsukawaura sea area	Surface layer	2012/07/25	Cloudy	22.6	1.9	20.5	0.5	Very pale yellow green	None	1.9	27.9	2.4	1.0	<0.66	<0.66	<0.64
				Bottom layer						20.3	0.9	-	None		27.9	1.1	1.8	<0.54	<0.61
Surface layer	2012/08/31			Sunny	25.8	1.2	27.1	0.5	Dark grayish yellow	None	1.2	27.2	6.2	2.7	<0.57	<0.70	<0.57		
Bottom layer								-	-	-	None		-	-	-	-	-	-	
Surface layer	2012/09/21			Cloudy	20.5	1.5	22.8	0.0	Dark bluish green	None	1.5	31.2	3.3	1.8	<0.48	<0.63	<0.52		
Bottom layer								22.7	0.5	-	None		31.5	3.8	1.5	<0.57	<0.72	<0.63	
Surface layer	2012/11/01			Sunny	11.7	1.8	16.1	0.5	Dull bluish green	None	1.8	26.3	3.0	1.5	<0.51	<0.58	<0.57		
Bottom layer								15.9	0.8	-	None		32.7	10	4.7	<0.50	<0.61	<0.55	
Surface layer	2012/11/27			Sunny	4.7	2.0	11.6	0.5	Blue greenish black	None	2.0	31.9	4.6	1.5	<0.65	<0.70	<0.54		
Bottom layer								11.0	1.0	-	None		32.2	5.5	1.5	<0.46	<0.66	<0.70	
Surface layer	2012/12/19			Sunny	1.3	1.5	8.6	0.5	Deep bluish green	None	1.5	33.2	5.4	2.2	<0.56	<0.76	<0.60		
Bottom layer								-	-	-	None		-	-	-	-	-	-	
Surface layer	2013/01/16			Sunny	-1.1	1.6	7.6	0.5	Grayish yellow green	None	1.6	34.9	12	6.3	<0.49	<0.70	<0.54		
Bottom layer								-	-	-	None		-	-	-	-	-	-	
Surface layer	2013/02/06			Snow	0.6	2.0	6.6	0.5	Dark blue green	None	2.0	34.5	4.5	1.0	<0.48	<0.47	<0.55		
Bottom layer								-	-	-	None		-	-	-	-	-	-	
Surface layer	2013/02/27	Cloudy	0.3	1.6	4.7	0.5	Grayish yellowish green	None	1.6	31.6	8.0	1.7	<0.59	<0.68	<0.60				
Bottom layer						-	-	-	None		-	-	-	-	-	-			

Table 4.3.3.1 Fukushima Pref. Coastal Area (Water Quality)

C o a s t a l s e a a r e a s	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		
208	Neighboring sea area of Sono Approx. 2,000 m offshore of Manogawa River	Surface layer	2012/07/26	Sunny	26.1	19.0	22.6	0.5	Very pale yellowish green	None	8.0	27.5	1.7	0.6	<0.44	<0.67	<0.56		
		Bottom layer						18.1	18.0	-	None		29.9	1.7	1.6	<0.59	<0.70	<0.62	
		Surface layer	2012/08/30	Sunny	27.3	18.0	25.4	0.5	Strong bluish green	None	9.0	28.7	3.6	2.7	<0.53	<0.65	<0.67		
		Bottom layer						19.8	17.0	-	None		30.3	2.8	3.0	<0.54	<0.61	<0.62	
		Surface layer	2012/09/20	Sunny	24.2	18.0	22.2	0.5	Dark yellow green	None	8.5	32.1	2.7	1.8	<0.48	<0.74	<0.59		
		Bottom layer						20.8	17.0	-	None		32.1	3.5	2.1	<0.61	<0.85	<0.87	
		Surface layer	2012/10/16	Sunny	18.0	15.3	16.5	0.5	Soft yellowish green	None	6.0	32.6	3.3	1.6	<0.46	<0.65	<0.47		
		Bottom layer						15.8	14.3	-	-		33.3	3.1	0.9	<0.50	<0.66	<0.51	
		Surface layer	2012/11/26	Cloudy	9.8	18.0	13.2	0.5	Deep bluish green	None	5.5	30.3	4.3	1.2	<0.52	<0.68	<0.53		
		Bottom layer						13.1	17.0	-	None		32.9	4.8	1.2	<0.43	<0.65	<0.59	
		Surface layer	2012/12/18	Sunny	8.5	18.0	10.5	0.5	Yellowish white	None	5.4	33.6	4.9	0.8	<0.45	<0.65	<0.64		
		Bottom layer						10.2	17.0	-	None		34.1	3.6	0.9	<0.53	<0.68	<0.66	
		Surface layer	2013/01/30	Sunny	2.3	17.0	7.6	0.5	Dull bluish green	None	4.0	33.5	6.0	2.0	<0.57	<0.51	<0.62		
		Bottom layer						7.4	16.0	-	None		34.3	7.2	2.1	<0.44	<0.65	<0.60	
		Surface layer	2013/02/26	Sunny	1.0	20.0	4.9	0.5	Grayish green	None	3.1	34.4	8.7	2.0	<0.55	<0.68	<0.65		
		Bottom layer						5.4	19.0	-	None		34.7	9.8	2.0	<0.56	<0.72	<0.66	
		Surface layer	2013/03/13	Cloudy	4.1	18.9	7.8	0.5	Dark grayish yellow green	None	8.5	35.3	3.9	0.6	<0.58	<0.78	<0.62		
		Bottom layer						7.6	17.9	-	None		35.3	7.1	1.6	<0.48	<0.65	<0.60	
209	Approx. 1,000 m offshore of Niidagawa River in neighboring sea area of Haramachishi City	Surface layer	2012/07/27	Cloudy, then sunny	24.7	10.5	21.8	0.5	Very pale yellow green	None	5.0	27.3	1.5	0.5	<0.44	<0.50	<0.49		
		Bottom layer						19.5	9.5	-	None		29.0	6.5	1.8	<0.57	<0.53	<0.66	
		Surface layer	2012/08/29	Cloudy	27.0	6.5	22.7	0.5	Grayish yellow green	None	4.0	29.5	3.5	1.7	<0.47	<0.63	<0.54		
		Bottom layer						20.8	5.5	-	None		30.0	1.5	2.3	<0.70	<0.78	<0.73	
		Surface layer	2012/09/19	Cloudy	21.9	5.3	20.5	0.5	Dark yellow green	None	2.5	31.6	7.4	1.1	<0.54	<0.79	<0.66		
		Bottom layer						20.3	4.3	-	None		31.8	4.3	0.8	<0.65	<0.83	<0.73	
		Surface layer	2012/10/30	Sunny	15.2	10.0	18.3	0.5	Grayish yellow	None	4.5	32.9	9.9	2.9	<0.65	<0.96	<0.66		
		Bottom layer						18.1	9.0	-	None		33.2	11	3.3	<0.48	<0.48	<0.63	
		Surface layer	2012/11/29	Cloudy	5.2	16.0	11.6	0.5	Dark blue green	None	3.5	33.2	6.2	1.6	<0.50	<0.68	<0.53		
		Bottom layer						10.5	15.0	-	None		34.1	6.5	2.0	<0.59	<0.66	<0.49	
		Surface layer	2012/12/21	Sunny	3.2	6.0	8.1	0.5	Deep bluish green	None	1.4	34.2	17	5.6	<0.53	<0.66	<0.63		
		Bottom layer						8.0	5.0	-	None		35.7	24	7.7	<0.51	<0.35	<0.56	
		Surface layer	2013/01/18	Sunny	0.2	10.0	8.2	0.5	Colorless transparent	None	2.4	34.0	7.4	2.9	<0.64	<0.75	<0.68		
		Bottom layer						7.8	9.0	-	None		35.4	8.6	3.9	<0.62	<0.72	<0.76	
		Surface layer	2013/02/26	Sunny	0.8	21.8	5.0	0.5	Dark bluish green	None	3.9	32.6	9.2	2.3	<0.50	<0.69	<0.59		
		Bottom layer						5.2	20.8	-	None		33.1	8.3	2.3	<0.45	<0.60	<0.54	
		Surface layer	2013/03/13	Sunny	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Unable to collect mud due to a strong swell at the sampling point
		Bottom layer																	
210	Approx. 1,000 m offshore of Otogawa River in neighboring sea area of Haramachishi City	Surface layer	2012/10/10	Sunny	17.0	7.0	20.5	0.5	Soft yellow green	None	5.0	30.7	5.3	3.3	<0.54	<0.64	<0.65		
		Bottom layer						20.2	6.0	-	None		36.4	5.9	2.9	<0.56	<0.67	<0.68	
		Surface layer	2012/11/20	Sunny	10.1	8.5	15.2	0.5	Deep green	None	2.4	32.3	11	2.7	<0.57	<0.80	<0.56		
		Bottom layer						14.7	7.5	-	None		32.5	11	3.8	<0.46	<0.63	<0.49	
		Surface layer	2012/12/13	Sunny	5.3	11.0	9.8	0.5	Deep green	None	2.6	32.3	11	3.0	<0.56	<0.59	<0.60		
		Bottom layer						10.1	10.0	-	None		34.6	9.6	3.3	<0.65	<0.60	<0.62	
		Surface layer	2013/02/18	Cloudy	1.5	10.0	5.8	0.5	Dull blue green	None	3.0	35.0	7.6	2.8	<0.50	<0.53	<0.59		
		Bottom layer						6.4	9.0	-	None		34.8	18	7.5	<0.51	<0.59	<0.47	
		Surface layer	2013/03/12	Sunny	0.6	10.5	6.5	0.5	Dark grayish blue green	None	6.1	35.2	5.2	0.7	<0.55	<0.64	<0.39		
		Bottom layer						7.2	9.5	-	None		35.3	5.8	0.8	<0.50	<0.74	<0.57	

Table 4.3.3.1 Fukushima Pref. Coastal Area (Water Quality)

No.	Sampling point		Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks
	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	
211	Approx. 1,000 m offshore of Odakagawa River in neighboring sea area of Soso District	Surface layer	2012/11/07	Sunny	14.0	10.0	16.5	0.5	Strong green	None	3.3	32.1	7.3	3.0	<0.70	<0.86	<0.64
		Bottom layer					16.1	9.0	-	None		33.3	7.5	3.0	<0.47	<0.58	<0.50
		Surface layer	2012/11/28	Sunny	3.0	10.6	11.1	0.5	Dark bluish green	None	2.4	31.4	9.1	2.1	<0.41	<0.60	<0.66
		Bottom layer					10.8	9.6	-	None		32.1	9.6	3.4	<0.63	<0.78	<0.54
		Surface layer	2012/12/20	Sunny	2.4	11.9	8.8	0.5	Deep bluish green	None	3.8	33.2	7.0	1.7	<0.58	<0.70	<0.49
		Bottom layer					8.3	10.9	-	None		35.1	6.1	1.8	<0.52	<0.63	<0.56
		Surface layer	2013/01/22	Rain	3.5	20.0	8.3	0.5	Deep yellow green	None	3.1	31.9	7.2	2.4	<0.70	<0.72	<0.66
		Bottom layer					8.2	19.0	-	None		33.6	12	3.8	<0.44	<0.58	<0.58
		Surface layer	2013/02/15	Cloudy	4.4	11.0	6.6	0.5	Greenish black	None	4.0	33.6	11	3.2	<0.65	<0.78	<0.73
		Bottom layer					6.4	10.0	-	None		33.9	9.6	2.8	<0.65	<0.51	<0.68
		Surface layer	2013/03/08	Sunny	10.4	10.7	8.5	0.5	Dark blue green	None	5.6	35.3	6.3	1.7	<0.48	<0.58	<0.50
		Bottom layer					8.2	9.7	-	None		35.4	5.1	0.6	<0.46	<0.50	<0.57
212	Approx. 1,000 m offshore of Kidogawa River in neighboring sea area of Narahamachi Town	Surface layer	2012/11/13	Cloudy	15.0	11.0	17.4	0.5	Deep yellowish green	None	1.8	34.1	6.9	3.3	<0.57	<0.66	<0.59
		Bottom layer					16.8	10.0	-	None		34.9	7.0	2.8	<0.65	<0.66	<0.70
		Surface layer	2012/11/30	Cloudy	8.0	9.0	11.5	0.5	Dark blue green	None	6.0	31.0	5.7	1.6	<0.48	<0.53	<0.64
		Bottom layer					11.1	8.0	-	None		33.2	6.8	1.9	<0.50	<0.56	<0.42
		Surface layer	2012/12/21	Sunny	4.0	12.0	12.1	0.5	Grayish green	None	4.4	36.6	5.0	1.6	<0.57	<0.61	<0.59
		Bottom layer					12.2	11.0	-	None		37.7	9.1	2.3	<0.49	<0.68	<0.53
		Surface layer	2013/01/11	Sunny	3.5	13.5	10.6	0.5	Pale bluish green	None	6.4	30.7	4.6	0.5	<0.61	<0.63	<0.62
		Bottom layer					10.4	12.5	-	None		30.9	5.8	0.5	<0.60	<0.80	<0.62
		Surface layer	2013/02/04	Cloudy	6.1	11.6	9.0	0.5	Dark green	None	7.5	31.5	3.7	1.0	<0.55	<0.65	<0.54
		Bottom layer					9.0	10.6	-	None		31.5	4.8	0.6	<0.55	<0.71	<0.44
		Surface layer	2013/02/28	Sunny	11.3	10.0	10.2	0.5	Dark blue green	None	5.5	34.0	6.1	0.9	<0.54	<0.50	<0.60
		Bottom layer					9.6	9.0	-	None		34.5	30	6.6	<0.49	<0.64	<0.68
Surface layer	2012/07/07	Rain	20.0	10.1	20.1	0.5	Dark grayish yellow green	None	5.5	28.4	1.8	1.9	<0.54	<0.69	<0.52		
Bottom layer					16.3	9.1	-	None		31.0	2.4	2.9	<0.55	<0.64	<0.59		
Surface layer	2012/08/17	Sunny	26.2	10.0	22.7	0.5	Dark yellow green	None	7.5	29.4	3.4	4.6	<0.62	<0.66	<0.62		
Bottom layer					20.6	9.0	-	None		29.9	4.3	2.4	<0.60	<0.63	<0.64		
Surface layer	2012/09/14	Sunny	25.3	9.0	25.1	0.5	Dark green	None	7.0	31.5	<1	1.0	<0.50	<0.64	<0.62		
Bottom layer					23.7	8.0	-	None		31.3	3.1	1.2	<0.70	<0.72	<0.58		
Surface layer	2012/10/25	Sunny	18.7	11.0	20.6	0.5	Dull bluish green	None	6.0	32.9	3.9	0.4	<0.68	<0.97	<0.66		
Bottom layer					18.5	10.0	-	None		33.6	6.7	1.6	<0.46	<0.53	<0.54		
Surface layer	2012/11/30	Cloudy	8.9	11.1	11.2	0.5	Soft blue green	None	3.4	32.1	7.1	2.3	<0.59	<0.77	<0.55		
Bottom layer					10.5	10.1	-	None		33.2	7.2	1.9	<0.54	<0.78	<0.78		
Surface layer	2012/12/21	Sunny	4.1	11.3	12.1	0.5	Greenish yellowish light gray	None	6.4	37.2	4.0	1.1	<0.55	<0.65	<0.60		
Bottom layer					12.2	10.3	-	None		38.4	4.7	1.1	<0.62	<0.64	<0.59		
Surface layer	2013/01/11	Sunny	3.5	13.5	10.6	0.5	Pale bluish green	None	12.0	30.4	3.0	0.4	<0.54	<0.66	<0.57		
Bottom layer					10.9	12.5	-	None		30.8	6.3	0.5	<0.53	<0.64	<0.65		
Surface layer	2013/02/04	Cloudy	6.4	10.7	11.8	0.5	Dark green	None	4.8	32.9	4.3	0.7	<0.48	<0.76	<0.66		
Bottom layer					10.8	9.7	-	None		35.0	5.6	0.8	<0.58	<0.72	<0.55		
Surface layer	2013/02/28	Sunny	13.2	8.0	11.3	0.5	Dark blue green	None	7.5	34.3	6.8	1.5	<0.60	<0.66	<0.62		
Bottom layer					10.6	7.0	-	None		34.4	6.6	1.0	<0.53	<0.60	<0.68		

C
o
a
s
t
a
l

s
e
a

a
r
e
a
s

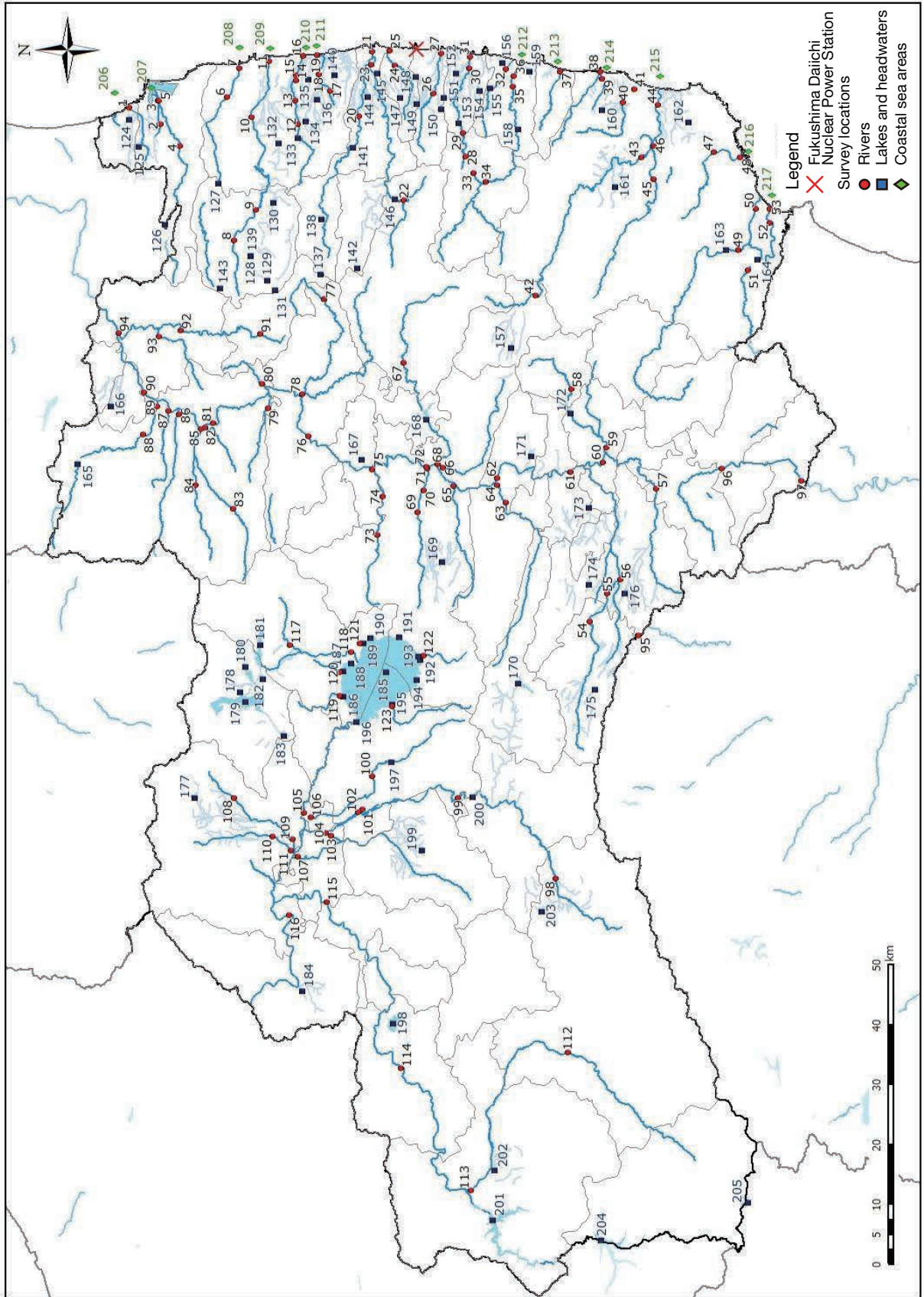
Table 4.3.3.1 Fukushima Pref. Coastal Area (Water Quality)

C o a s t a l s e a a r e a s	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		
214	Approx. 1,000 m offshore of Ohtsugawa River Estuary	Surface layer	2012/07/07	Rain	19.0	10.4	19.3	0.5	Dark grayish yellow green	None	2.5	27.2	2.4	2.4	<-0.55	<-0.58	<-0.60		
		Bottom layer					18.5	9.4	-	None		29.8	<-1	2.7	<-0.59	<-0.68	<-0.62		
		Surface layer	2012/08/17	Sunny	26.4	9.0	22.2	0.5	Dark yellow green	None	7.0	29.9	2.4	2.1	<-0.49	<-0.56	<-0.59		
		Bottom layer					19.6	8.0	-	None		30.2	1.2	5.3	<-0.53	<-0.74	<-0.60		
		Surface layer	2012/09/14	Sunny	24.8	10.0	24.9	0.5	Dark bluish green	None	9.5	31.2	2.8	1.4	<-0.48	<-0.61	<-0.57		
		Bottom layer					22.7	9.0	-	None		31.3	5.0	1.5	<-0.55	<-0.66	<-0.63		
		Surface layer	2012/10/25	Sunny	18.7	11.0	20.9	0.5	Dull bluish green	None	5.0	34.1	5.6	0.9	<-0.53	<-0.53	<-0.55		
		Bottom layer					20.6	10.0	-	None		35.9	5.0	1.8	<-0.69	<-0.83	<-0.64		
		Surface layer	2012/11/30	Cloudy	9.2	12.5	14.1	0.5	Dark blue green	None	3.6	31.2	7.3	2.0	<-0.50	<-0.65	<-0.60		
		Bottom layer					13.2	11.5	-	None		34.2	8.0	1.8	<-0.49	<-0.47	<-0.63		
		Surface layer	2012/12/21	Sunny	3.0	11.3	12.1	0.5	Light grayish yellowish green	None	8.4	36.8	3.4	1.1	<-0.49	<-0.58	<-0.52		
		Bottom layer					12.3	10.3	-	None		37.2	5.5	0.9	<-0.49	<-0.63	<-0.66		
		Surface layer	2013/01/11	Sunny	3.8	13.5	10.7	0.5	Pale bluish green	None	10.7	31.6	3.4	0.3	<-0.54	<-0.50	<-0.63		
		Bottom layer					11.0	12.5	-	None		31.7	5.6	0.4	<-0.47	<-0.63	<-0.74		
		Surface layer	2013/02/04	Cloudy	5.4	10.5	10.4	0.5	Dark bluish green	None	8.4	34.8	3.6	0.6	<-0.45	<-0.53	<-0.52		
		Bottom layer					10.3	9.5	-	None		35.3	3.6	0.5	<-0.41	<-0.53	<-0.49		
		Surface layer	2013/02/28	Sunny	10.5	8.0	10.2	0.5	Dark bluish green	None	5.0	34.5	7.1	1.2	<-0.48	<-0.58	<-0.59		
		Bottom layer					10.0	7.0	-	None		34.4	9.6	1.4	<-0.47	<-0.53	<-0.49		
		215	Approx. 1,500 m offshore of Natsugawa River in neighboring sea area of Iwakishi City	Surface layer	2012/07/07	Rain	19.0	17.3	18.9	0.5	Dark grayish yellow green	None	7.0	29.9	<-1	1.5	<-0.44	<-0.58	<-0.57
				Bottom layer					16.9	16.3	-	None		30.7	<-1	2.9	<-0.65	<-0.78	<-0.75
Surface layer	2012/08/17			Sunny	25.6	16.0	21.8	0.5	Dark yellow green	None	10.0	30.0	3.2	1.8	<-0.73	<-0.72	<-0.68		
Bottom layer							18.6	15.0	-	None		30.6	5.8	3.1	<-0.54	<-0.58	<-0.59		
Surface layer	2012/09/14			Sunny	25.0	16.5	24.9	0.5	Dark bluish green	None	9.5	31.5	2.3	0.4	<-0.66	<-0.72	<-0.62		
Bottom layer							22.5	15.5	-	None		31.4	3.5	0.5	<-0.44	<-0.65	<-0.60		
Surface layer	2012/10/25			Sunny	18.5	18.0	19.3	0.5	Dull bluish green	None	4.0	33.1	3.8	0.8	<-0.55	<-0.58	<-0.62		
Bottom layer							19.1	17.0	-	None		33.7	4.6	0.8	<-0.64	<-0.64	<-0.53		
Surface layer	2012/11/19			Cloudy	10.9	14.5	15.4	0.5	Strong blue green	None	5.5	33.3	4.8	0.9	<-0.58	<-0.72	<-0.58		
Bottom layer							16.1	13.5	-	None		32.7	8.1	2.4	<-0.41	<-0.58	<-0.52		
Surface layer	2012/12/12			Sunny	5.5	12.5	13.4	0.5	Pale bluish green	None	6.0	35.7	3.7	0.2	<-0.61	<-0.60	<-0.54		
Bottom layer							14.1	11.5	-	None		35.8	3.2	0.3	<-0.48	<-0.56	<-0.63		
Surface layer	2013/01/11			Sunny	11.0	17.1	9.9	0.5	Deep blue green	None	6.0	33.2	3.8	0.5	<-0.59	<-0.70	<-0.68		
Bottom layer							8.2	16.1	-	None		35.0	4.5	0.6	<-0.65	<-0.80	<-0.66		
Surface layer	2013/02/01			Sunny	4.6	15.0	10.2	0.5	Dark blue green	None	13.2	34.8	8.4	0.6	<-0.51	<-0.53	<-0.63		
Bottom layer							11.2	14.0	-	None		34.3	13	1.2	<-0.56	<-0.50	<-0.66		
Surface layer	2013/02/27			Rain	2.8	16.0	8.9	0.5	Dark bluish green	None	6.4	35.2	5.3	1.2	<-0.56	<-0.56	<-0.57		
Bottom layer							9.1	15.0	-	None		36.1	4.8	1.3	<-0.47	<-0.64	<-0.60		

Table 4.3.3.1 Fukushima Pref. Coastal Area (Water Quality)

No.	Sampling point		Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks
	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	
216	Approx. 400 m north of Nishibouhatei No. 2 of Onahama Port	Surface layer	2012/07/08	Sunny	24.0	15.5	20.6	0.5	Dark grayish yellow green	None	2.5	28.9	2.1	2.7	<0.46	<0.70	<0.59
		Bottom layer					17.3	14.5	-	None		29.7	1.7	3.9	<0.71	<0.87	<0.66
		Surface layer	2012/08/18	Cloudy, then sunny	26.1	14.7	21.9	0.5	Dark yellow green	None	4.0	27.0	3.0	2.3	<0.49	<0.70	<0.69
		Bottom layer					18.2	13.7	-	None		29.5	6.0	2.7	<0.65	<0.80	<0.66
		Surface layer	2012/09/15	Cloudy	26.4	14.5	25.3	0.5	Dark yellow green	None	3.2	26.3	4.8	1.6	<0.49	<0.77	<0.51
		Bottom layer					21.9	13.5	-	None		31.6	3.7	0.7	<0.62	<0.83	<0.60
		Surface layer	2012/10/26	Cloudy	20.5	6.0	20.6	0.5	Dull bluish green	None	5.0	32.8	5.4	1.6	<0.65	<0.70	<0.78
		Bottom layer					19.6	5.0	-	None		33.5	3.6	1.3	<0.42	<0.56	<0.49
		Surface layer	2012/11/19	Cloudy	9.1	16.2	15.6	0.5	Strong blue green	None	1.9	31.9	8.6	3.7	<0.58	<0.80	<0.68
		Bottom layer					15.8	15.2	-	None		33.0	11	4.7	<0.52	<0.64	<0.47
		Surface layer	2012/12/12	Sunny	9.5	16.0	13.0	0.5	Deep bluish green	None	4.0	34.1	5.4	1.4	<0.57	<0.80	<0.73
		Bottom layer					12.8	15.0	-	None		35.2	3.9	0.8	<0.52	<0.58	<0.56
		Surface layer	2013/01/11	Sunny	2.5	16.0	9.8	0.5	Blue greenish black	None	7.0	33.9	4.4	0.9	<0.49	<0.61	<0.54
		Bottom layer					10.8	15.0	-	None		33.7	3.5	0.8	<0.41	<0.67	<0.52
		Surface layer	2013/02/01	Sunny	5.3	15.0	11.0	0.5	Dark bluish green	None	6.3	33.7	5.4	1.3	<0.73	<0.75	<0.66
		Bottom layer					11.5	14.0	-	None		34.4	5.1	1.2	<0.65	<0.72	<0.66
Surface layer	2013/02/27	Rain	5.2	20.0	10.1	0.5	Dark bluish green	None	2.5	34.0	5.4	2.0	<0.57	<0.63	<0.62		
Bottom layer					10.4	19.0	-	None		35.5	7.2	1.6	<0.62	<0.78	<0.54		
217	Joban coastal sea area Approx. 1,000 m offshore of Bindagawa River	Surface layer	2012/07/08	Sunny	25.0	17.2	20.6	0.5	Dark grayish yellow green	None	5.0	25.6	1.7	2.9	<0.53	<0.66	<0.68
		Bottom layer					18.5	16.2	-	None		29.4	<1	3.0	<0.51	<0.53	<0.56
		Surface layer	2012/08/18	Sunny	28.2	16.8	23.4	0.5	Dark yellow green	None	7.0	28.4	3.8	4.6	<0.53	<0.48	<0.56
		Bottom layer					18.5	15.8	-	None		30.0	4.2	2.2	<0.51	<0.61	<0.51
		Surface layer	2012/09/15	Cloudy	25.9	16.5	25.3	0.5	Dark blue green	None	10.0	28.3	3.1	1.6	<0.51	<0.69	<0.62
		Bottom layer					22.3	15.5	-	None		31.6	3.8	1.0	<0.51	<0.61	<0.49
		Surface layer	2012/10/26	Cloudy	20.5	18.0	18.5	0.5	Dull blue green	None	6.2	33.8	3.1	1.1	<0.55	<0.66	<0.65
		Bottom layer					17.2	17.0	-	None		34.2	3.4	1.0	<0.48	<0.63	<0.50
		Surface layer	2012/11/19	Cloudy	8.3	14.0	15.1	0.5	Dark blue green	None	4.0	30.7	5.0	1.2	<0.52	<0.61	<0.60
		Bottom layer					14.3	13.0	-	None		33.1	4.6	1.1	<0.50	<0.61	<0.53
		Surface layer	2012/12/12	Sunny	7.0	12.0	12.8	0.5	Deep green	None	4.5	34.6	3.6	0.5	<0.65	<0.72	<0.62
		Bottom layer					13.5	11.0	-	None		35.1	3.4	0.4	<0.47	<0.65	<0.57
		Surface layer	2013/01/11	Sunny	2.4	17.2	12.0	0.5	Dark blue green	None	10.0	33.1	3.7	0.8	<0.47	<0.70	<0.55
		Bottom layer					11.1	16.2	-	None		34.4	5.9	0.6	<0.52	<0.66	<0.62
		Surface layer	2013/02/01	Sunny	9.1	15.0	12.1	0.5	Dark bluish green	None	6.2	34.3	5.1	0.8	<0.46	<0.67	<0.57
		Bottom layer					12.2	14.0	-	None		34.2	4.1	0.7	<0.45	<0.60	<0.60
Surface layer	2013/02/27	Rain	3.7	15.0	9.7	0.5	Dark yellowish green	None	6.2	35.5	5.4	1.1	<0.52	<0.63	<0.56		
Bottom layer					9.6	14.0	-	None		36.6	5.5	0.8	<0.50	<0.63	<0.54		

C o a s t a l s e a a r e a s



Survey Locations (Fukushima Prefecture)