

FY2011 Fukushima Prefecture Survey Results

[Survey Dates]

Survey	Rivers	Lakes	Sea Areas	Bathing Areas
1 st Time	Sept. 15-30, 2011	Sept. 16-Oct. 14, 2011	Oct. 4-5, 2011	Sept. 16-29, 2011
2 nd Time	Nov. 15-30, 2011	Nov. 15-30, 2011	Nov. 27-29, 2011	Nov. 16-29, 2011
3 rd Time	Jan. 5-27, 2012	Jan. 6-26, 2012	Jan. 13-25, 2012	Jan. 5-23, 2012
4 th Time	Feb. 25-Mar. 9, 2012	Feb. 25-Mar. 9, 2012	Mar. 2-14, 2012	Feb.26-Mar. 3, 2012

[Survey Results]

1st Time:

Water Quality (Lower detection limit: 1Bq/L)

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium

Rivers

Cs-134: ND-9Bq/L

Cs-137: ND-11Bq/L

Lakes and headwaters

Cs-134: ND-12Bq/L

Cs-137: ND-15Bq/L

Coasts and bathing areas

Not detectable at any location

Sediment

- Radioactive iodine (I-131) was not detectable at any of the locations tested (Lower detection limit: 30Bq/ kg (dried mud))
- Radioactive cesium

Rivers

Cs-134: ND-27,000Bq/kg (dried mud) (Lower detection limit: 10Bq/kg (dried mud))

Cs-137: ND-33,000Bq/kg (dried mud) (Lower detection limit: 10Bq/kg (dried mud))

Lakes and headwaters

Cs-134: ND-17,000Bq/kg (dried mud) (Lower detection limit: 10Bq/kg (dried mud))

Cs-137: ND-20,000Bq/kg (dried mud) (Lower detection limit: 10Bq/kg (dried mud))

Coasts and bathing areas

Cs-134: ND-370Bq/kg (dried mud) (Lower detection limit: 10Bq/kg (dried mud))

Cs-137: ND-430Bq/kg (dried mud) (Lower detection limit: 10Bq/kg (dried mud))

Surrounding Environment

- Radioactive iodine (I-131) was not detectable at any of the locations tested (Lower detection limit: 30Bq/kg (dry))

- Radioactive cesium

Rivers

Cs-134: ND-48,000Bq/kg (dry) (Lower detection limit: 10Bq/kg (dry))

Cs-137: ND-56,000Bq/kg (dry) (Lower detection limit: 10Bq/kg (dry))

Lakes and headwaters

Cs-134: 30-26,000Bq/kg (dry) (Lower detection limit: 10Bq/kg (dry))

Cs-137: 26-32,000Bq/kg (dry) (Lower detection limit: 10Bq/kg (dry))

Coasts and bathing areas

Cs-134: 23-270Bq/kg (dry) (Lower detection limit: 10Bq/kg (dry))

Cs-137: 33-300Bq/kg (dry) (Lower detection limit: 10Bq/kg (dry))

- Spatial dose

Rivers

0.07-17.12μSv/h or more (exceeded the upper detection limit)

Lakes and headwaters

0.05-19.17μSv/h

Coasts and bathing areas

0.05-0.29μSv/h

2nd Time:

Water Quality (Lower detection limit: 1Bq/L)

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium (Cs-134, Cs-137)

Rivers

Cs-134: ND-3Bq/L

Cs-137: ND-4Bq/L

Lakes and headwaters

Not detectable at any location

Coasts and bathing areas

Not detectable at any location

Sediment

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium

Rivers

Cs-134: ND-38,000Bq/kg (dried mud)

Cs-137: ND-49,100Bq/kg (dried mud)

Lakes and headwaters

Cs-134: ND-31,000Bq/kg (dried mud)

Cs-137: ND-38,000Bq/kg (dried mud)

Coasts and bathing areas

Cs-134: ND-270Bq/kg (dried mud)

Cs-137: ND-260Bq/kg (dried mud)

Surrounding Environment

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium

Rivers

Cs-134: ND-49,000Bq/kg (dry)

Cs-137: ND-65,000Bq/kg (dry)

Lakes and headwaters

Cs-134: ND-150,000Bq/kg (dry)

Cs-137: 30-190,000Bq/kg (dry)

Coasts and bathing areas

Cs-134: 19-570Bq/kg (dry)

Cs-137: 23-770Bq/kg (dry)

- Spatial dose

Rivers

0.05-10.64μSv/h

Lakes and headwaters

0.05-19.68μSv/h

Coasts and bathing areas

0.04-0.36μSv/h

3rd Time:

Water Quality (Lower detection limit: 1Bq/L)

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium (Cs-134, Cs-137)

Rivers

Cs-134: ND-3Bq/L

Cs-137: ND-5Bq/L

Lakes and headwaters

Not detectable at any location

Coasts and bathing areas

Not detectable at any location

Sediment

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium

Rivers

Cs-134: ND-22,000Bq/kg (dried mud)

Cs-137: ND-30,000Bq/kg (dried mud)

Lakes and headwaters

Cs-134: ND-35,000Bq/kg (dried mud)

Cs-137: ND-45,000Bq/kg (dried mud)

Coasts and bathing areas

Cs-134: ND-500Bq/kg (dried mud)

Cs-137: ND-740Bq/kg (dried mud)

Surrounding Environment

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium

Rivers

Cs-134: ND-67,000Bq/kg (dry)

Cs-137: ND-87,000Bq/kg (dry)

Lakes and headwaters

Cs-134: 130-64,000Bq/kg (dry)

Cs-137: 160-83,000Bq/kg (dry)

Coasts and bathing areas

Cs-134: 13-530Bq/kg (dry)

Cs-137: 23-770Bq/kg (dry)

- Spatial dose

Rivers

0.06-11.63μSv/h

<u>Lakes and headwaters</u>	0.14-20.48μSv/h
<u>Coasts and bathing areas</u>	0.05-0.31μSv/h

4th Time:

Water Quality (Lower detection limit: 1Bq/L)

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium (Cs-134, Cs-137)

Rivers

Cs-134: ND-1Bq/L

Cs-137: ND-1Bq/L

Lakes and headwaters

Cs-134: ND-1Bq/L

Cs-137: ND-1Bq/L

Coasts and bathing areas

Not detectable at any location

Sediment

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium

Rivers

Cs-134: ND-38,000Bq/kg (dried mud)

Cs-137: ND-54,000Bq/kg (dried mud)

Lakes and headwaters

Cs-134: ND-110,000Bq/kg (dried mud)

Cs-137: ND-150,000Bq/kg (dried mud)

Coasts and bathing areas

Cs-134: ND-200Bq/kg (dried mud)

Cs-137: ND-280Bq/kg (dried mud)

Surrounding Environment

- Radioactive iodine (I-131) was not detectable at any of the locations tested
- Radioactive cesium

Rivers

Cs-134: ND-29,000Bq/kg (dry)

Cs-137: ND-40,000Bq/kg (dry)

Lakes and headwaters

Cs-134: 130-88,000Bq/kg (dry)

Cs-137: 160-120,000Bq/kg (dry)

Coasts and bathing areas

Cs-134: ND-490Bq/kg (dry)

Cs-137: ND-650Bq/kg (dry)

- Spatial dose

Rivers

0.07-9.34μSv/h

Lakes and headwaters

0.11-14.92μSv/h

Coasts and bathing areas

0.05-0.27μSv/h

River (Hamadori Area): 1st Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Water quality											Remarks
No.	Water body	Point	Municipality					General items							Radioactive material				
								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	
1	Jizogawa River	Hamahatabashi Bridge	Shiotsu-machi Town	2011/9/19	Light rain	18.5	3.10	20.6	0.0	Grayish yellow green	None	40	4830.0	18	15	<1	<1	<1	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2011/9/17	Cloudy	25.2	0.25	21.0	0.0	Colorless transparent	None	100 or more	21.9	3	3.9	<1	<1	<1	
3	Koizumigawa River	Hyakkenbashi Bridge	Somashi City	2011/9/19	Cloudy	18.5	1.40	23.3	0.0	Dark grayish yellow green	None	53	2430.0	8	6.2	<1	<1	<1	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2011/9/28	Sunny	21.3	0.95	15.0	0.0	Colorless transparent	None	100 or more	9.2	3	2.6	<1	<1	<1	
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2011/9/19	Cloudy	18.0	0.90	22.0	0.0	Dark grayish yellow green	None	94	351.0	4	3.6	<1	<1	<1	
6	Manogawa River	Ochiaibashi Bridge	Mitsunomachi City	2011/9/15	Sunny	30.1	0.85	23.1	0.0	Dark grayish yellow green	None	100 or more	10.2	2	2.1	<1	<1	<1	
7	Manogawa River	Majimabashi Bridge	Mitsunomachi City	2011/9/16	Sunny	29.8	0.30	22.9	0.0	Dark grayish yellow green	None	100 or more	501.0	3	2.7	<1	<1	<1	Former evacuation-prepared areas in case of emergency
8	Nidagawa River	Kusano	Itatemura Village	2011/9/17	Cloudy	29.6	0.50	21.8	0.0	Colorless transparent	Faint earth	100 or more	8.5	2	2.1	<1	<1	<1	Deliberate evacuation areas
9	Nidagawa River	Komiya	Itatemura Village	2011/9/17	Cloudy	27.4	1.00	20.0	0.0	Colorless transparent	None	100 or more	8.5	3	2.8	<1	<1	<1	Deliberate evacuation areas
10	Nidagawa River	Kidouchibashi Bridge	Mitsunomachi City	2011/9/15	Sunny	30.2	0.80	24.1	0.0	Dark grayish yellow green	None	100 or more	9.6	2	1.3	<1	<1	<1	Former evacuation-prepared areas in case of emergency
11	Nidagawa River	Sakakawabashi Bridge	Mitsunomachi City	2011/9/16	Sunny	30.2	1.10	23.9	0.0	Dark grayish yellow green	None	100 or more	89.5	3	1.6	<1	<1	<1	Former evacuation-prepared areas in case of emergency
12	Otagawa River	Ishiwatadobashi Bridge	Mitsunomachi City	2011/9/16	Sunny	31.0	0.30	21.4	0.0	Colorless transparent	None	100 or more	6.3	1	<0.1	<1	<1	<1	Former evacuation-prepared areas in case of emergency
13	Otagawa River	Kaminouchibashi Bridge	Mitsunomachi City	2011/9/15	Sunny	27.8	0.50	22.4	0.0	Colorless transparent	None	100 or more	7.3	2	0.3	<1	<1	<1	Former evacuation-prepared areas in case of emergency
14	Otagawa River	Masudabashi Bridge	Mitsunomachi City	2011/9/16	Sunny	26.2	0.75	19.8	0.0	Colorless transparent	None	100 or more	7.5	2	0.6	<1	<1	<1	Former evacuation-prepared areas in case of emergency
15	Otagawa River	JR Tetsudobashi Bridge	Mitsunomachi City	2011/9/16	Sunny	28.5	0.30	21.0	0.0	Colorless transparent	None	100 or more	8.1	3	0.6	<1	<1	<1	Former evacuation-prepared areas in case of emergency
16	Otagawa River	Maruyamabashi Bridge	Mitsunomachi City	2011/9/26	Cloudy	19.6	0.20	18.8	0.0	Colorless transparent	None	46	109.7	20	9.6	<1	<1	<1	Restricted areas
17	Odakagawa River	Zenchobashi Bridge	Mitsunomachi City	2011/9/26	Sunny	18.4	0.58	15.8	0.0	Greenish brown	None	55	10.4	9	9.3	<1	<1	<1	Restricted areas
18	Odakagawa River	Hatsukarabashi Bridge	Mitsunomachi City	2011/9/26	Cloudy	20.6	0.98	17.5	0.0	Greenish brown	None	18	761.0	15	18	<1	<1	<1	Restricted areas
19	Ukedogawa River	Muroharabashi Bridge	Narumi-machi Town	2011/9/26	Cloudy	19.2	1.68	16.6	0.0	Grayish yellow	None	23	5.0	18	21	<1	<1	<1	Restricted areas
20	Ukedogawa River	Ukedobashi Bridge	Narumi-machi Town	2011/9/26	Cloudy	19.5	0.35	17.5	0.0	Greenish brown	None	45	50.2	18	18	<1	<1	<1	Restricted areas
21	Takasegawa River	Keibashi Bridge	Narumi-machi Town	2011/9/26	Sunny	17.9	0.18	15.0	0.0	Dark grayish yellow green	None	100 or more	7.2	8	5.9	<1	<1	<1	Restricted areas
22	Maedagawa River	National Route 6, west	Futatabi-machi Town	2011/9/26	Sunny	18.7	0.40	16.3	0.0	Greenish brown	None	38	11.4	20	19	<1	<1	<1	Restricted areas
23	Maedagawa River	Nakahamabashi Bridge	Narumi-machi Town	2011/9/26	Sunny	19.7	0.50	17.2	0.0	Greenish brown	None	35	41.3	22	26	<1	<1	<1	Restricted areas
24	Kumagawa River	National Route 6, west	Okumamachi Town	2011/9/26	Cloudy	21.2	0.75	16.5	0.0	Grayish yellow	None	30	72.9	18	23	<1	<1	<1	Restricted areas
25	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2011/9/26	Sunny	20.8	0.20	18.5	0.0	Grayish yellow green	None	35.5	11.4	14	17	<1	<1	<1	Restricted areas
26	Tomiokagawa River	National Route 6, west	Tomiokamachi Town	2011/9/26	Sunny	20.3	0.25	16.5	0.0	Grayish yellow green	None	36	9.7	9	9.8	<1	<1	<1	Restricted areas
27	Tomiokagawa River	Kobamabashi Bridge	Tomiokamachi Town	2011/9/26	Sunny	17.8	0.20	26.4	0.0	Grayish yellow green	None	43	12.5	10	9.7	<1	<1	<1	Restricted areas
28	Idegawa River	Motogamabashi Bridge	Narabamachi Town	2011/9/28	Cloudy	14.9	0.50	14.8	0.0	Colorless transparent	None	100 or more	9.2	2	1.6	<1	<1	<1	Restricted areas
29	Kidogawa River	Nishiyamabashi Bridge	Kawachinara Village	2011/9/17	Sunny	27.8	1.05	20.8	0.0	Colorless transparent	None	100 or more	5.9	3	1.0	<1	<1	<1	Former evacuation-prepared areas in case of emergency
30	Kidogawa River	Nagatorobashi Bridge	Narabamachi Town	2011/9/27	Cloudy	19.6	0.65	15.7	0.0	Grayish yellow green	None	70	4.7	4	6.4	<1	<1	<1	Restricted areas
31	Kidogawa River	Kidokawabashi Bridge	Narabamachi Town	2011/9/27	Cloudy	16.3	0.70	15.4	0.0	Grayish yellow green	None	63	5.5	5	7.7	<1	<1	<1	Restricted areas
32	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2011/9/17	Sunny	25.2	0.38	22.3	0.0	Colorless transparent	None	100 or more	12.1	1	<0.1	<1	<1	<1	Former evacuation-prepared areas in case of emergency
33	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2011/9/16	Sunny	29.2	0.80	24.8	0.0	Dark green	None	100 or more	559.0	4	5.4	<1	<1	<1	
34	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2011/9/16	Sunny	25.2	0.47	24.9	0.0	Dark grayish yellow green	Faint mold	100 or more	50.3	5	4.7	<1	<1	<1	
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2011/9/16	Sunny	25.0	0.30	24.6	0.0	Dark grayish yellow green	Faint mold	82	23.5	8	5.9	<1	<1	<1	
36	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2011/9/16	Sunny	24.8	1.45	26.9	0.0	Yellow green	Faint mold	56	671.0	7	6.4	<1	<1	<1	
37	Natsugawa River	Kitanouchibashi Bridge	Onomachi Town	2011/9/29	Clear	22.4	1.06	15.8	0.0	Dark grayish yellow green	None	56	12.9	11	7.1	<1	<1	<1	
38	Natsugawa River	Kyudayubashi Bridge	Iwakishi City	2011/9/29	Clear	21.4	0.70	20.4	0.0	Dark grayish yellow green	None	47	10.3	11	8.2	<1	<1	<1	
39	Natsugawa River	Rokujumabashi Bridge	Iwakishi City	2011/9/27	Cloudy	23.5	1.03	15.6	0.0	Colorless transparent	None	41	12.9	17	12	<1	<1	<1	
40	Yoshimagawa River	Iwaanatsuribashi Bridge	Iwakishi City	2011/9/27	Sunny	23.9	0.60	16.1	0.0	Colorless transparent	None	100 or more	9.4	3	1.6	<1	<1	<1	
41	Yoshimagawa River	Before the confluence with Natsugawa River	Iwakishi City	2011/9/27	Sunny	24.4	0.59	17.9	0.0	Colorless transparent	None	100 or more	15.1	6	2.5	<1	<1	<1	
42	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2011/9/27	Sunny	21.2	1.75	21.4	0.0	Dark grayish yellow green	None	40	182.2	13	13	<1	<1	<1	
43	Fujiwaragawa River	Minatohashi Bridge	Iwakishi City	2011/9/30	Cloudy	23.8	2.80	23.2	0.0	Yellow green	None	100 or more	3550.0	3	2.0	<1	<1	<1	
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2011/9/29	Clear	21.8	0.43	16.2	0.0	Dark green	None	100 or more	11.0	2	2.3	<1	<1	<1	
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2011/9/30	Sunny	26.0	1.52	18.1	0.0	Yellow green	None	88	31.2	4	4.5	<1	<1	<1	
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2011/9/30	Sunny	19.6	1.00	14.4	0.0	Colorless transparent	None	100 or more	5.8	3	1.3	<1	<1	<1	
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2011/9/28	Sunny	24.2	0.45	19.0	0.0	Colorless transparent	Faint sewage	67	21.2	8	5.4	<1	<1	<1	
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2011/9/30	Sunny	23.6	3.53	19.8	0.0	Yellow green	Mineral oil	83	255.0	6	3.0	<1	<1	<1	

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

River (Hamadori Area): 1st Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Sediment															Remarks			
No.	Water body	Point	Municipality					General items										Radioactive material								
								Moist temperature℃	Settling depth cm	Color	Odor	Mechanical composition					Silt	Clay	Moist content%	Gravel content%	Property	Radioactive cesium				
												Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand						Fine sand		Radioactive Cs-134	Radioactive Cs-137	
1	Iizogawa River	Hamahatabashi Bridge	Shibetsuchiro Town	2011/9/19	Light rain	18.5	3.10	20.4	10	Olive black	None	—	0.1	10.3	15.2	35.1	13.4	6.7	8.4	68.6	2.618	Sand with silt	<30	1,200	1,400	
2	Kozumigawa River	Kozumibashi Bridge	Somashi City	2011/9/17	Cloudy	25.2	0.25	21.8	10	Olive black	Faint petroleum	—	11.1	10.3	15.0	35.1	13.4	6.7	8.4	68.6	2.638	Sand with gravel	<30	2,400	2,900	
3	Kozumigawa River	Iwakibashi Bridge	Somashi City	2011/9/19	Cloudy	18.5	1.40	22.0	5	Olive black	None	—	4.7	6.1	5.2	9.0	45.7	14.9	14.4	64.1	2.653	Sand with silt	<30	1,300	1,600	
4	Udagawa River	Itoisakabashi Bridge	Somashi City	2011/9/28	Sunny	21.3	0.90	22.4	10	Olive black	None	—	18.4	43.5	30.2	5.9	1.2	0.8	85.6	2.653	Sand with gravel	<30	590	710		
5	Udagawa River	Iwakibashi Bridge	Somashi City	2011/9/19	Cloudy	18.0	0.90	23.4	10	Brownish black	None	—	—	3.4	48.7	41.2	5.7	1.0	86.0	2.666	Sand	<30	110	130		
6	Manogawa River	Ochiaibashi Bridge	Minamonomachi City	2011/9/15	Sunny	30.1	0.85	24.0	5	Grayish olive	None	—	10.0	6.7	10.8	37.2	32.7	2.6	73.6	2.663	Gravel/sand with silt	<30	1,800	2,200		
7	Manogawa River	Majimabashi Bridge	Minamonomachi City	2011/9/16	Sunny	29.8	0.30	23.4	10	Black	Dark hydrocarbon	—	—	—	—	0.3	0.7	47.8	51.2	30.1	2.555	Silt	<30	13,000	15,000	Former evacuation-prepared areas in case of emergency
8	Nidagawa River	Kusano	Itatemura Village	2011/9/17	Cloudy	29.6	0.50	22.4	10	Olive brown	None	—	3.1	4.7	34.3	12.3	0.7	1.9	94.6	2.623	Sand	<30	1,400	1,800	Deliberate evacuation areas	
9	Nidagawa River	Komiva	Itatemura Village	2011/9/17	Cloudy	27.4	1.00	19.2	10	Dark brown	None	—	—	6.7	38.9	53.5	0.6	0.3	81.7	2.657	Sand	<30	2,200	2,700	Deliberate evacuation areas	
10	Nidagawa River	Kidouchibashi Bridge	Minamonomachi City	2011/9/15	Sunny	30.2	0.80	24.0	5	Dark grayish yellow	None	9.0	5.9	20.0	8.3	4.5	0.0	0.3	87.4	2.693	Sand with gravel	<30	5,100	6,100	Former evacuation-prepared areas in case of emergency	
11	Nidagawa River	Sakekawabashi Bridge	Minamonomachi City	2011/9/16	Sunny	30.2	1.10	28.0	5	Dark olive green	None	—	—	0.4	2.4	47.6	41.1	0.6	7.9	75.4	2.672	Sand with silt	<30	5,900	7,100	Former evacuation-prepared areas in case of emergency
12	Otagawa River	Ishiwatabashi Bridge	Minamonomachi City	2011/9/26	Sunny	31.0	0.30	21.8	5	Brownish black	None	23.7	5.6	9.8	51.4	9.3	0.2	78.9	2.638	Silt/gravel	<30	4,400	5,400	Former evacuation-prepared areas in case of emergency		
13	Otagawa River	Kaminouchibashi Bridge	Minamonomachi City	2011/9/15	Sunny	27.8	0.50	22.2	5	Brown	None	1.9	12.9	52.3	29.7	2.5	0.7	83.7	2.637	Sand	<30	15,000	18,000	Former evacuation-prepared areas in case of emergency		
14	Otagawa River	Masudabashi Bridge	Minamonomachi City	2011/9/16	Sunny	26.2	0.75	20.0	5	Olive black	Faint seaweed	3.1	0.6	1.9	14.2	47.5	12.2	20.5	47.3	2.588	Silt with sand	<30	27,000	33,000	Former evacuation-prepared areas in case of emergency	
15	Otagawa River	IK Tetsudobashi Bridge	Minamonomachi City	2011/9/16	Sunny	28.5	0.30	21.0	5	Olive brown	None	19.7	12.4	16.0	45.5	3.5	2.9	82.4	2.652	Sand	<30	1,200	1,400	Former evacuation-prepared areas in case of emergency		
16	Otagawa River	Maruyamabashi Bridge	Minamonomachi City	2011/9/26	Cloudy	19.6	0.20	19.8	10	Dark grayish yellow	None	3.6	15.1	35.0	33.7	11.9	0.7	84.9	2.651	Gravel with sand	<30	100	130	Restricted areas		
17	Otagawa River	Zenchobashi Bridge	Minamonomachi City	2011/9/26	Sunny	18.4	0.58	16.6	10	Olive brown	None	2.9	18.2	56.5	19.9	0.5	2.0	89.5	2.625	Gravel with sand	<30	130	180	Restricted areas		
18	Otagawa River	Hatsukarabashi Bridge	Minamonomachi City	2011/9/26	Cloudy	20.6	0.98	18.6	15	Olive black	None	—	0.1	0.9	32.1	43.7	3.2	82.1	2.659	Sand	<30	78	95	Restricted areas		
19	Ukedogawa River	Murohatabashi Bridge	Nametsuchi Town	2011/9/26	Cloudy	19.2	1.68	17.8	5	Dark olive brown	Green grass	5.3	7.8	9.5	38.8	24.8	9.1	4.5	70.8	2.651	Gravel/silt with sand	<30	19,000	24,000	Restricted areas	
20	Ukedogawa River	Ukedobashi Bridge	Nametsuchi Town	2011/9/26	Cloudy	19.5	0.35	17.7	5	Dark olive	None	11.5	10.9	35.2	40.9	1.3	0.2	80.4	2.622	Sand	<30	1,500	1,800	Restricted areas		
21	Takasegawa River	Keiobashi Bridge	Nametsuchi Town	2011/9/26	Sunny	17.9	0.18	16.2	5	Grayish olive	None	—	—	0.1	5.2	59.6	23.7	11.4	64.3	2.619	Sand with gravel	<30	11,000	13,000	Restricted areas	
22	Maedagawa River	National Route 6, west	Putabamachi Town	2011/9/26	Sunny	18.7	0.40	17.0	5	Dark brown	None	12.1	31.1	41.5	12.3	1.2	1.8	82.9	2.636	Sand	<30	5,700	7,100	Restricted areas		
23	Maedagawa River	Nakahamabashi Bridge	Nametsuchi Town	2011/9/26	Sunny	19.7	0.50	17.5	5	Brown	None	6.7	28.7	29.7	31.5	1.8	1.6	81.9	2.639	Sand	<30	1,800	2,100	Restricted areas		
24	Kumagawa River	National Route 6, west	Okumamachi Town	2011/9/26	Cloudy	21.2	0.75	16.2	5	Olive brown	None	9.9	44.8	37.2	4.8	0.8	2.5	82.3	2.636	Gravel with sand	<30	2,400	2,900	Restricted areas		
25	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2011/9/26	Sunny	20.8	0.20	18.0	8	Dark grayish yellow	None	—	3.9	33.9	54.0	6.6	1.6	79.0	2.638	Sand	<30	4,300	5,300	Restricted areas		
26	Tomioakagawa River	National Route 6, west	Tomokamachi Town	2011/9/26	Sunny	20.3	0.25	16.8	5	Olive black	None	22.0	52.0	22.7	1.1	0.0	2.2	88.5	2.667	Gravel with sand	<30	430	500	Restricted areas		
27	Tomioakagawa River	Kobamabashi Bridge	Tomokamachi Town	2011/9/26	Sunny	17.8	0.20	26.7	5	Olive brown	Dark hydrocarbon	—	—	0.3	1.4	28.0	59.6	7.0	3.7	71.8	2.635	Sand	<30	18,000	22,000	Restricted areas
28	Idegawa River	Motozomabashi Bridge	Narabamachi Town	2011/9/28	Cloudy	14.9	0.50	15.0	5	Olive brown	None	0.6	4.7	29.7	55.8	5.6	3.6	87.1	2.647	Sand	<30	250	280	Restricted areas		
29	Kidogawa River	Nishiyamabashi Bridge	Kawachinuma Village	2011/9/17	Sunny	27.8	1.05	20.7	5	Brown	None	16.3	8.9	20.6	2.9	0.1	2.0	94.3	2.625	Sand	<30	47	64	Former evacuation-prepared areas in case of emergency		
30	Kidogawa River	Nagatorobashi Bridge	Narabamachi Town	2011/9/27	Cloudy	19.6	0.65	15.9	5	Dark brown	None	4.2	6.2	21.2	61.2	6.9	0.3	86.2	2.645	Sand	<30	180	220	Restricted areas		
31	Kidogawa River	Kidokawabashi Bridge	Narabamachi Town	2011/9/27	Cloudy	16.3	0.70	15.2	5	Dark brown	None	8.4	21.7	46.4	18.5	2.2	2.8	88.6	2.636	Sand with gravel	<30	90	110	Restricted areas		
32	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2011/9/17	Sunny	25.2	0.38	21.8	5	Grayish olive	None	0.6	4.0	41.8	51.4	1.0	1.2	82.3	2.646	Sand	<30	310	400	Former evacuation-prepared areas in case of emergency		
33	Ohisagawa River	Kagersobashi Bridge	Iwakishi City	2011/9/16	Sunny	29.2	0.80	25.1	5	Olive black	Faint seawater	12.0	24.1	18.7	26.7	17.0	1.5	88.4	2.629	Gravel/sand with silt	<30	1,400	1,700			
34	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2011/9/16	Sunny	25.2	0.47	26.2	5	Dark brown	None	—	20.1	23.6	32.0	23.6	0.6	0.1	82.7	2.606	Sand with gravel	<30	170	210		
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2011/9/16	Sunny	25.0	0.30	24.6	10	Olive black	Faint sewage	4.2	17.0	24.8	23.9	24.5	4.7	0.9	86.0	2.657	Gravel/sand with silt	<30	210	250		
36	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2011/9/16	Sunny	24.8	1.45	27.1	5	Dark grayish yellow	Faint seawater	—	0.9	2.9	3.1	22.5	68.8	1.8	83.7	2.651	Sand	<30	270	310		
37	Natsugawa River	Kitanouchibashi Bridge	Onomachi Town	2011/9/29	Clear	22.4	1.06	19.2	10	Olive black	None	5.9	25.2	35.1	22.1	11.0	0.7	85.8	2.684	Gravel with sand	<30	29	37			
38	Natsugawa River	Kiyadobashi Bridge	Iwakishi City	2011/9/29	Clear	21.4	0.70	15.6	15	Olive black	None	4.9	12.9	40.2	30.7	9.5	1.8	85.1	2.647	Gravel with sand	<30	35	45			
39	Natsugawa River	Rokuumaabashi Bridge	Iwakishi City	2011/9/27	Cloudy	23.5	1.03	15.8	15	Dark grayish yellow	None	2.5	19.3	54.6	23.1	0.2	0.3	89.1	2.650	Gravel with sand	<30	21	25			
40	Yoshinagawa River	Iwanatsunabashi Bridge	Iwakishi City	2011/9/27	Sunny	23.9	0.60	17.0	5	Brownish black	None	—	0.6	3.1	80.7	12.5	3.1	77.6	2.669	Sand	<30	280	340			
41	Yoshinagawa River	Below the confluence with Natsugawa River	Iwakishi City	2011/9/27	Sunny	24.4	0.59	18.0	5	Dark olive brown	None	6.8	11.3	22.9	48.4	8.1	2.5	81.6	2.707	Sand	<30	84	98			
42	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2011/9/27	Sunny	21.2	1.75	20.4	10	Brownish black	None	2.8	10.2	35.1	47.1	1.6	3.2	87.9	2.633	Gravel with sand	<30	30	34			
43	Fujiwaragawa River	Minatohashi Bridge	Iwakishi City	2011/9/30	Cloudy	23.8	2.80	22.2	10	Brownish black	Putrescence	4.1	3.0	24.1	57.2	3.7	5.1	2.8	67.3	2.638	Sand with silt	<30	240	290		
44	Samegawa River	Igosawabashi Bridge	Iwakishi City	2011/9/29	Clear	21.8	0.43	16.6	10	Dark olive gray	None	99.6	0.3	0.0	0.0	0.0	0.0	99.1	2.818	Gravel	<30	<10	<10			
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2011/9/30	Sunny	26.0	1.52	19.2	15	Dark grayish yellow	None	1.3	4.2	26.0	51.9	11.8	4.8	81.3	2.671	Sand	<30	34	44			
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2011/9/30	Sunny	19.6	1.00	15.2	10	Gray	None	0.2	14.2	38.3	39.3	7.9	0.1	82.5	2.722	Gravel with sand	<30	31	43			
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2011/9/28	Sunny	24.2	0.45	20.0	10	Brownish black	None	30.7	24.3	11.3	10.3	0.9	2.5	76.0	2.625	Gravel/silt with sand	<30	97	140			
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2011/9/30	Sunny	25.6	3.53	22.5	15	Gray	Mineral	—	—	0.1	0.6	78.0	16.9	4.4	81.3	2.670	Sand	<30	250	320		

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

River (Hamadori Area): 1st Surrounding Environment (River Terrace (Left Bank)) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Surrounding environment (soil/herb/air dose)							Remarks			
								Soil			Herb			Air dose (μSv/h)				
								General items			Radioactive material concentrations (Bq/kg (dry))		Concentration of radioactive material (Bq/kg (湿))					
No.	Water body	Point	Municipality					Color	Odor	Property	Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137	Radioactive iodine-131			Radioactive cesium Cs-134 Cs-137		
1	Iizogawa River	Hamahatabashi Bridge	Shimanechi Town	2011/9/19	Light rain	18.5	3.10	Yellowish brown	None	Loamy	<30	1,300	1,500	<30	170	210	0.35	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2011/9/17	Cloudy	25.2	0.25	Brownish black	None	Loamy	<30	730	790	<30	15	24	0.75	*
3	Koizumigawa River	Ivakenbashi Bridge	Somashi City	2011/9/19	Cloudy	18.5	1.40	Dark brown	None	Loamy	<30	670	780	<30	140	160	0.39	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2011/9/28	Sunny	21.3	0.95	Brownish black	Earth	Sand	<30	1,600	2,100	<30	51	68	0.30	
5	Udagawa River	Ivakenbashi Bridge	Somashi City	2011/9/19	Cloudy	18.0	0.90	Brownish black	None	Loamy	<30	2,500	3,000	<30	56	64	0.42	
6	Manogawa River	Ochiaibashi Bridge	Minamimatsu City	2011/9/15	Sunny	30.1	0.85	Dark olive brown	None	Clay-loamy	<30	810	980	<30	80	91	0.58	
7	Manogawa River	Majimabashi Bridge	Minamimatsu City	2011/9/16	Sunny	29.8	0.30	Dark brown	None	Sandy	<30	340	400	<30	29	42	0.35	
8	Nidagawa River	Kusano	Hitotomura Village	2011/9/17	Cloudy	29.6	0.50	Olive brown	None	Loamy	<30	9,500	11,000	<30	520	610	8.23	Former evacuation-prepared areas in case of emergency
9	Nidagawa River	Komiva	Hitotomura Village	2011/9/17	Cloudy	27.4	1.00	Dark olive brown	None	Loamy	<30	5,000	6,000	<30	1,300	1,500	10.11	Deliberate evacuation areas *
10	Nidagawa River	Kidouchibashi Bridge	Minamimatsu City	2011/9/15	Sunny	30.2	0.80	Dark yellowish brown	None	Sand	<30	7,800	9,300	<30	110	150	0.86	Former evacuation-prepared areas in case of emergency
11	Nidagawa River	Sakekawabashi Bridge	Minamimatsu City	2011/9/16	Sunny	30.2	1.10	Dark yellowish brown	None	Loamy	<30	210	230	<30	<10	17	0.19	Former evacuation-prepared areas in case of emergency
12	Otagawa River	Ishiwatabashi Bridge	Minamimatsu City	2011/9/16	Sunny	31.0	0.30	Brown	Earth	Loamy	<30	8,800	10,000	<30	590	670	2.02	Former evacuation-prepared areas in case of emergency
13	Otagawa River	Kaminouchibashi Bridge	Minamimatsu City	2011/9/15	Sunny	27.8	0.50	Dark yellowish brown	Faint earth	Sand	<30	2,800	3,200	<30	120	140	0.78	Former evacuation-prepared areas in case of emergency
14	Otagawa River	Masudabashi Bridge	Minamimatsu City	2011/9/16	Sunny	26.2	0.75	Dark brown	None	Sand	<30	2,000	2,400	<30	400	460	0.31	Former evacuation-prepared areas in case of emergency
15	Otagawa River	JR Ietsudobashi Bridge	Minamimatsu City	2011/9/16	Sunny	28.5	0.30	Dark brown	None	Sand	<30	1,200	1,500	<30	62	71	0.33	Former evacuation-prepared areas in case of emergency
16	Otagawa River	Maruyamabashi Bridge	Minamimatsu City	2011/9/26	Cloudy	19.6	0.20	Dark grayish olive	None	Loamy	<30	400	510	<30	190	220	0.17	Restricted areas
17	Odakagawa River	Zenchobashi Bridge	Minamimatsu City	2011/9/26	Sunny	18.4	0.58	—	—	—	—	—	—	—	—	—	—	Restricted areas
18	Odakagawa River	Hatsukarabashi Bridge	Minamimatsu City	2011/9/26	Cloudy	20.6	0.98	Grayish olive	None	Sand	<30	15	22	<30	170	200	0.07	Restricted areas
19	Ukedogawa River	Muroharabashi Bridge	Namimatsu Town	2011/9/26	Cloudy	19.2	1.68	Dark olive brown	Green grass 葉	Sand	<30	34,000	44,000	<30	2,000	2,500	11.36	Restricted areas
20	Ukedogawa River	Ukedobashi Bridge	Namimatsu Town	2011/9/26	Cloudy	19.5	0.35	Brownish black	None	Sand	<30	1,900	2,400	<30	3,800	4,500	2.15	Restricted areas
21	Takasegawa River	Keobashi Bridge	Namimatsu Town	2011/9/26	Sunny	17.9	0.18	Yellowish brown	None	Loamy	<30	570	700	<30	510	500	1.61	Restricted areas
22	Maedagawa River	National Route 6, west	Futatabi Town	2011/9/26	Sunny	18.7	0.40	Brownish black	None	Loamy	<30	8,100	10,000	<30	4,700	6,300	6.68	Restricted areas
23	Maedagawa River	Nakahamabashi Bridge	Namimatsu Town	2011/9/26	Sunny	19.7	0.50	—	—	—	—	—	—	—	—	—	—	Restricted areas
24	Kumagawa River	National Route 6, west	Okumatsu Town	2011/9/26	Cloudy	21.2	0.75	—	—	—	—	—	—	<30	1600	1900	—	Restricted areas *
25	Kumagawa River	Mikumabashi Bridge	Okumatsu Town	2011/9/26	Sunny	20.8	0.20	—	—	—	—	—	—	<30	1800	2300	—	Restricted areas *
26	Tomikagawa River	National Route 6, west	Tomikatsu Town	2011/9/26	Sunny	20.3	0.25	Dark olive brown	Earth	Loamy	<30	35,000	42,000	<30	950	1,100	12.19	Restricted areas *
27	Tomikagawa River	Kobamabashi Bridge	Tomikatsu Town	2011/9/26	Sunny	17.8	0.20	Dark olive brown	Faint earth	Loamy	<30	7,700	9,300	<30	180	240	6.56	Restricted areas *
28	Idegawa River	Motogamabashi Bridge	Narabashi Town	2011/9/28	Cloudy	14.9	0.50	—	—	—	—	—	—	<30	100	120	—	Restricted areas
29	Kidogawa River	Nishiyamabashi Bridge	Kawamatsu Village	2011/9/17	Sunny	27.8	1.05	Brownish black	None	Loamy	<30	1,200	1,400	<30	160	190	0.67	Former evacuation-prepared areas in case of emergency
30	Kidogawa River	Nagatorobashi Bridge	Narabashi Town	2011/9/27	Cloudy	19.6	0.65	Olive brown	None	Loamy	<30	2,800	3,400	<30	660	780	0.93	Restricted areas
31	Kidogawa River	Kidokawabashi Bridge	Narabashi Town	2011/9/27	Cloudy	16.3	0.70	—	—	—	—	—	—	<30	100	110	—	Restricted areas
32	Asamigawa River	Bodabashi Bridge	Hironomatsu Town	2011/9/17	Sunny	25.2	0.38	Dark grayish yellow	None	Sand	<30	500	580	<30	110	110	0.55	Former evacuation-prepared areas in case of emergency
33	Ohisagawa River	Kagersobashi Bridge	Iwakishi City	2011/9/16	Sunny	29.2	0.80	—	—	—	—	—	—	—	—	—	—	
34	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2011/9/16	Sunny	25.2	0.47	Dark brown	None	Clay-loamy	<30	4,500	5,100	<30	100	120	0.90	
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2011/9/16	Sunny	25.0	0.30	Brownish black	None	Clay-loamy	<30	4,400	5,000	<30	24	34	0.51	
36	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2011/9/16	Sunny	24.8	1.45	Olive brown	None	Loamy	<30	710	780	<30	50	53	0.32	
37	Natsugawa River	Kitanouchibashi Bridge	Onomatsu Town	2011/9/29	Clear	22.4	1.06	Brownish black	Earth	Clay-loamy	<30	190	280	<30	93	100	0.19	
38	Natsugawa River	Kiyudaiyubashi Bridge	Iwakishi City	2011/9/29	Clear	21.4	0.70	Grayish olive	None	Sand	<30	130	130	<30	100	150	0.20	
39	Natsugawa River	Rokunumaibashi Bridge	Iwakishi City	2011/9/27	Cloudy	23.5	1.03	Brownish black	Earth	Loamy	<30	690	860	<30	46	65	0.41	
40	Yoshimaga River	Iwaanatsuribashi Bridge	Iwakishi City	2011/9/27	Sunny	23.9	0.60	Brownish black	Earth	Loamy	<30	1,300	1,500	<30	14	28	0.16	
41	Yoshimaga River	Before the confluence with Natsugawa River	Iwakishi City	2011/9/27	Sunny	24.4	0.59	Brownish black	Earth	Loamy	<30	490	640	<30	13	14	0.15	
42	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2011/9/27	Sunny	21.2	1.75	Brownish black	Earth	Clay-loamy	<30	1,500	1,800	<30	130	140	0.21	
43	Fujiwaragawa River	Minatohashi Bridge	Iwakishi City	2011/9/30	Cloudy	23.8	2.80	Brownish black	Earth	Clay-loamy	<30	820	970	<30	23	30	0.15	
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2011/9/29	Clear	21.8	0.43	Dark grayish yellow	Faint earth	Clay-loamy	<30	700	820	<30	45	68	0.22	
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2011/9/30	Sunny	26.0	1.52	Grayish olive	None	Sand	<30	220	280	<30	18	31	0.16	
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2011/9/30	Sunny	19.6	1.00	Dark olive brown	Earth	Clay-loamy	<30	220	290	<30	32	42	0.21	
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2011/9/28	Sunny	24.2	0.45	Dark olive	None	Sand	<30	260	290	<30	26	53	0.18	
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2011/9/30	Sunny	23.6	3.53	Grayish olive	None	Loamy	<30	350	390	<30	58	87	0.23	

Note: * Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

River (Hamadori Area): 1st Surrounding Environment (River Terrace (Right Bank)) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Surrounding environment (soil/herb/air dose)										Remarks
No.	Water body	Point	Municipality					General items			Soil			Herb			Air dose (μSv/h)	
								Color	Odor	Property	Radioactive iodine	Radioactive cesium Cs-134 Cs-137	Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137				
1	Jizogawa River	Hamahatabashi Bridge	Shimomachi Town	2011/9/19	Light rain	18.5	3.10	Brown	None	Loamy	<30	1,300	1,500	<30	19	24	0.24	
2	Koizumigawa River	Koizumbashi Bridge	Somashi City	2011/9/17	Cloudy	25.2	0.25	Brownish black	None	Loamy	<30	700	830	<30	74	88	0.75	*
3	Koizumigawa River	Hvakkembashi Bridge	Somashi City	2011/9/19	Cloudy	18.5	1.40	Dark brown	None	Loamy	<30	3,500	4,200	<30	27	33	0.35	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2011/9/28	Sunny	21.3	0.95	—	—	—	—	—	—	—	—	—	—	
5	Udagawa River	Hvakkembashi Bridge	Somashi City	2011/9/19	Cloudy	18.0	0.90	Brownish black	None	Loamy	<30	1,200	1,500	<30	67	83	0.37	
6	Manogawa River	Ochiaibashi Bridge	Minamimachi City	2011/9/15	Sunny	30.1	0.85	Dark olive brown	None	Clay-loamy	<30	2,200	2,600	<30	18	25	0.67	
7	Manogawa River	Majmabashi Bridge	Minamimachi City	2011/9/16	Sunny	29.8	0.30	Dark brown	None	Loamy	<30	380	440	<30	81	120	0.34	Former evacuation-prepared areas in case of emergency
8	Nidagawa River	Kusano	Hitatemura Village	2011/9/17	Cloudy	29.6	0.50	Olive brown	None	Loamy	<30	7,500	8,700	<30	670	750	9.13	Deliberate evacuation areas *
9	Nidagawa River	Komiva	Hitatemura Village	2011/9/17	Cloudy	27.4	1.00	Brownish black	None	Sandy	<30	2,800	3,300	<30	3,700	4,300	9.96	Deliberate evacuation areas *
10	Nidagawa River	Kidouchibashi Bridge	Minamimachi City	2011/9/15	Sunny	30.2	0.80	Olive brown	Faint earth	Sandy	<30	15,000	18,000	<30	40,000	47,000	0.97	Former evacuation-prepared areas in case of emergency
11	Nidagawa River	Sakakawabashi Bridge	Minamimachi City	2011/9/16	Sunny	30.2	1.10	Dark brown	None	Sandy	<30	550	640	<30	35	59	0.34	Former evacuation-prepared areas in case of emergency
12	Otagawa River	Ishiwatadobashi Bridge	Minamimachi City	2011/9/16	Sunny	31.0	0.30	Yellowish brown	Earth	Sandy	<30	4,700	5,600	<30	1,300	1,400	2.15	Former evacuation-prepared areas in case of emergency
13	Otagawa River	Kaminouchibashi Bridge	Minamimachi City	2011/9/15	Sunny	27.8	0.50	Dark yellowish brown	Faint earth	Loamy	<30	2,300	2,700	<30	1,000	1,200	0.97	Former evacuation-prepared areas in case of emergency
14	Otagawa River	Masudabashi Bridge	Minamimachi City	2011/9/16	Sunny	26.2	0.75	Dark yellowish brown	Faint earth	Loamy	<30	1,100	1,300	<30	160	190	0.35	Former evacuation-prepared areas in case of emergency
15	Otagawa River	JR Tetsudobashi Bridge	Minamimachi City	2011/9/16	Sunny	28.5	0.30	Dark olive brown	None	Sandy	<30	1,000	1,300	<30	130	160	0.33	Former evacuation-prepared areas in case of emergency
16	Otagawa River	Maruyamabashi Bridge	Minamimachi City	2011/9/26	Cloudy	19.6	0.20	—	—	—	—	—	—	—	—	—	—	Restricted areas
17	Odakagawa River	Zenchobashi Bridge	Minamimachi City	2011/9/26	Sunny	18.4	0.58	Olive black	Earth	Loamy	<30	1,100	1,500	<30	95	120	0.49	Restricted areas
18	Odakagawa River	Hatsukarabashi Bridge	Minamimachi City	2011/9/26	Cloudy	20.6	0.98	—	—	—	—	—	—	—	—	—	—	Restricted areas
19	Ukedogawa River	Muroharabashi Bridge	Namimachi Town	2011/9/26	Cloudy	19.2	1.68	—	—	—	—	—	—	—	—	—	—	Restricted areas
20	Ukedogawa River	Ukedobashi Bridge	Namimachi Town	2011/9/26	Cloudy	19.5	0.35	—	—	—	—	—	—	—	—	—	—	Restricted areas
21	Takasegawa River	Keiobashi Bridge	Namimachi Town	2011/9/26	Sunny	17.9	0.18	—	—	—	—	—	—	—	—	—	—	Restricted areas
22	Maedagawa River	National Route 6, west	Yatabemachi Town	2011/9/26	Sunny	18.7	0.40	—	—	—	—	—	—	—	—	—	—	Restricted areas
23	Maedagawa River	Nakahamabashi Bridge	Namimachi Town	2011/9/26	Sunny	19.7	0.50	Brownish black	None	Loamy	<30	400	450	<30	320	410	1.05	Restricted areas
24	Kumagawa River	National Route 6, west	Okumachi Town	2011/9/26	Cloudy	21.2	0.75	Dark olive brown	Faint earth	Loamy	<30	18,000	22,000	—	—	—	9.84	Restricted areas *
25	Kumagawa River	Mikumabashi Bridge	Okumachi Town	2011/9/26	Sunny	20.8	0.20	Dark olive brown	Earth	Loamy	<30	27,000	33,000	—	—	—	17.12 or	Restricted areas *
26	Tomokagawa River	National Route 6, west	Tomikamachi Town	2011/9/26	Sunny	20.3	0.25	—	—	—	—	—	—	—	—	—	—	Restricted areas *
27	Tomokagawa River	Kobamabashi Bridge	Tomikamachi Town	2011/9/26	Sunny	17.8	0.20	—	—	—	—	—	—	—	—	—	—	Restricted areas *
28	Idegawa River	Motogamabashi Bridge	Narabamachi Town	2011/9/28	Cloudy	14.9	0.50	Dark greenish yellow	None	Loamy	<30	2,400	2,900	—	—	—	0.93	Restricted areas
29	Kidogawa River	Nishiyamabashi Bridge	Sarabachimura Village	2011/9/17	Sunny	27.8	1.05	Brownish black	None	Loamy	<30	850	1,000	<30	100	120	0.69	Former evacuation-prepared areas in case of emergency
30	Kidogawa River	Nagatorobashi Bridge	Narabamachi Town	2011/9/27	Cloudy	19.6	0.65	—	—	—	—	—	—	—	—	—	—	Restricted areas
31	Kidogawa River	Kidokawabashi Bridge	Narabamachi Town	2011/9/27	Cloudy	16.3	0.70	Dark olive brown	None	Loamy	<30	2,600	3,100	—	—	—	0.93	Restricted areas
32	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2011/9/17	Sunny	25.2	0.38	Olive black	Earth	Loamy	<30	2,300	2,800	<30	780	1,000	0.55	Former evacuation-prepared areas in case of emergency
33	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2011/9/16	Sunny	29.2	0.80	Olive brown	None	Sandy	<30	710	870	<30	34	39	0.36	
34	Kohisagawa River	Renzobashi Bridge	Iwakishi City	2011/9/16	Sunny	25.2	0.47	Dark brown	None	Clay-loamy	<30	1,300	1,600	<30	150	200	0.60	
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2011/9/16	Sunny	25.0	0.30	Dark brown	None	Loamy	<30	1,100	1,400	<30	38	52	0.30	
36	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2011/9/16	Sunny	24.8	1.45	Olive brown	Faint seawater	Sandy	<30	1,100	1,300	<30	46	46	0.42	
37	Natsugawa River	Kitanouchibashi Bridge	Onomachi Town	2011/9/29	Clear	22.4	1.06	Olive black	Earth	Clay-loamy	<30	680	820	<30	80	83	0.20	
38	Natsugawa River	Kiyadavubashi Bridge	Iwakishi City	2011/9/29	Clear	21.4	0.70	Dark olive brown	None	Clay-loamy	<30	1,000	1,100	<30	74	92	0.27	
39	Natsugawa River	Rokujumabashi Bridge	Iwakishi City	2011/9/27	Cloudy	23.5	1.03	Brownish black	Earth	Loamy	<30	4,400	5,400	<30	140	160	0.42	
40	Yoshimagawa River	Iwaanatsuribashi Bridge	Iwakishi City	2011/9/27	Sunny	23.9	0.60	Brownish black	Earth	Loamy	<30	620	700	<30	11	15	0.13	
41	Yoshimagawa River	Before the confluence with Natsugawa River	Iwakishi City	2011/9/27	Sunny	24.4	0.59	Brownish black	Earth	Loamy	<30	590	710	<30	<10	11	0.15	
42	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2011/9/27	Sunny	21.2	1.75	Dark greenish yellow	Earth	Clay-loamy	<30	85	110	<30	56	58	0.13	
43	Fujiwaragawa River	Minatohashi Bridge	Iwakishi City	2011/9/30	Cloudy	23.8	2.80	Dark greenish yellow	Faint earth	Loamy	<30	2,000	2,300	<30	140	150	0.30	
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2011/9/29	Clear	21.8	0.43	—	—	—	—	—	—	—	—	—	—	
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2011/9/30	Sunny	26.0	1.52	Yellowish brown	None	Loamy	<30	170	180	<30	<10	<10	0.16	
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2011/9/30	Sunny	19.6	1.00	Grayish olive	None	Sandy	<30	74	84	<30	<10	<10	0.23	
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2011/9/28	Sunny	24.2	0.45	Dark olive brown	None	Clay-loamy	<30	770	900	<30	71	88	0.20	
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2011/9/30	Sunny	23.6	3.53	Olive black	None	Sandy	<30	490	630	<30	47	62	0.16	

Note: * Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

River (Nakadori Area): 1st Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Water quality													Remarks
No.	Water body	Point	Municipality					General items								Radioactive material concentrations (Bq/L)					
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137			
49	Abukumagawa River System	Abukumagawa River	Habutobashi Bridge	Nishigaura Village	2011/9/30	Cloudy	22.3	0.45	16.8	0.0	Colorless transparent	None	100 or	11.6	7	5.3	<1	<1	<1		
50		Abukumagawa River	Tamachiohashi Bridge	Shirakawashi City	2011/9/28	Sunny	16.7	0.32	13.6	0.0	Grayish yellow green	None	95	10.7	6	4.7	<1	<1	<1		
51		Yanagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2011/9/28	Sunny	20.4	0.50	20.0	0.0	Colorless transparent	None	96	39.8	10	5.6	<1	<1	<1		
52		Yashirogawa River	Yashirogawabashi Bridge	Tamagawamachi Town	2011/9/28	Sunny	22.6	0.50	17.4	0.0	Yellow green	None	71	9.8	11	8.1	<1	<1	<1		
53		Kitasugawa River	Yanagibashi Bridge	Hirataura Village	2011/9/28	Sunny	12.8	0.30	12.6	0.0	Colorless transparent	None	100 or	12.0	6	5.1	<1	<1	<1		
54		Imadegawa River	Nekonakibashi Bridge	Utsukawamachi Town	2011/9/27	Sunny	21.8	1.20	18.4	0.0	Greenish brown	None	27.5	10.4	19	22	<1	<1	<1		
55		Yashirogawa River	Onibashi Bridge	Utsukawamachi Town	2011/9/27	Sunny	25.8	1.00	16.4	0.0	Grayish yellow green	None	48.5	10.7	13	13	<1	<1	<1		
56		Abukumagawa River	Kawanomebashi Bridge	Tanaka-ama Village	2011/9/27	Sunny	17.4	1.10	17.6	0.0	Yellow green	None	38	12.7	18	13	<1	<1	<1		
57		Abukumagawa River	Emochibashi Bridge	Sukagawashi City	2011/9/26	Cloudy	18.8	0.80	16.8	0.0	Yellow green	None	42	13.4	22	16	<1	<1	<1		
58		Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2011/9/27	Sunny	15.4	0.60	16.2	0.0	Yellow green	None	46	12.5	13	10	<1	<1	<1		
59		Shakadogawa River	Before the confluence with Abukumagawa River	Sukagawashi City	2011/9/27	Cloudy	14.4	0.40	14.8	0.0	Yellow green	None	31	13.3	24	12	<1	<1	<1		
60		Sasaharagawa River	Shimbashi Bridge	Koriyamashi City	2011/9/26	Cloudy	19.4	0.80	18.0	0.0	Colorless transparent	None	71	19.4	8	8.8	<1	<1	<1		
61		Yanagawa River	Yanagawabashi Bridge	Koriyamashi City	2011/9/26	Cloudy	20.0	1.00	17.0	0.0	Colorless transparent	None	50	16.2	16	9.8	<1	<1	<1		
62		Okunigawa River	Funchikibashi Bridge	Tamamachi City	2011/9/26	Sunny	18.0	0.40	15.8	0.0	Yellow green	None	38.5	14.8	15	10	<1	<1	<1		
63		Okunigawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/9/26	Cloudy	20.0	0.80	18.0	0.0	Greenish brown	None	15	12.7	28	40	<1	<1	<1		
64		Osugawa River	Before the confluence with Babagawa River	Koriyamashi City	2011/9/17	Cloudy	26.2	0.30	23.4	0.0	Colorless transparent	None	100 or	28.5	3	3.6	<1	<1	<1		
65		Osugawa River	Makunouchibashi Bridge	Koriyamashi City	2011/9/17	Cloudy	24.2	0.50	23.9	0.0	Grayish green	Faint sewage	100 or	37.7	4	3.8	<1	<1	<1		
66		Osugawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/9/18	Cloudy	25.3	0.35	24.4	0.0	Colorless transparent	None	100 or	33.9	4	3.4	<1	<1	<1		
67		Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2011/9/17	Sunny	29.5	0.60	26.2	0.0	Dark grayish yellow green	None	88.5	36.9	6	4.3	<1	<1	<1		
68		Gohyakugawa River	After the confluence with Ishimurogawa River	Koriyamashi City	2011/9/16	Sunny	28.9	0.30	23.5	0.0	Colorless transparent	None	100 or	10.1	4	2.6	<1	<1	<1		
69		Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2011/9/16	Sunny	31.3	1.05	26.3	0.0	Dark grayish yellow green	None	100 or	11.5	8	5.1	<1	<1	<1		
70		Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2011/9/15	Sunny	29.5	0.30	28.7	0.0	Dark grayish yellow green	None	82	16.5	6	5.7	<1	<1	<1		
71		Abukumagawa River	Takadabashi Bridge	Nishioamatsuchi City	2011/9/15	Sunny	29.6	2.20	25.9	0.0	Dark grayish yellow green	Faint mold	63	20.4	8	6.5	<1	<1	<1		
72		Kuchibutogawa River	Kuchibutogawabashi Bridge	Nishioamatsuchi City	2011/9/25	Sunny	17.5	0.50	15.6	0.0	Strong yellow red	None	47	10.7	17	10	<1	<1	<1		
73		Utsushigawa River	Osegawabashi Bridge	Nishioamatsuchi City	2011/9/15	Sunny	31.5	0.30	22.6	0.0	Colorless transparent	None	75	60.8	8	6.1	<1	<1	<1		
74		Mizuharagawa River	Getouchibashi Bridge	Fukushima City	2011/9/16	Sunny	29.6	0.30	27.2	0.0	Colorless transparent	None	100 or	11.4	7	5.8	<1	<1	<1		
75		Megami River	Isumakibashi Bridge	Fukushima City	2011/9/15	Sunny	32.5	0.30	26.4	0.0	Colorless transparent	None	100 or	26.0	4	3.0	<1	<1	<1		
76		Abukumagawa River	Horabashi Bridge	Fukushima City	2011/9/17	Cloudy	25.6	0.40	25.8	0.0	Colorless transparent	None	64	20.1	12	10	<1	<1	<1		
77		Nigorigawa River	Before the confluence with Omorigawa River	Fukushima City	2011/9/19	Cloudy	21.8	0.70	24.1	0.0	Dark grayish yellow green	Faint sewage	94.5	24.4	7	7.4	<1	<1	<1		
78		Arakawa River	Hinokurabashi Bridge	Fukushima City	2011/9/19	Light rain	20.9	0.40	19.7	0.0	Colorless transparent	None	100 or	31.1	4	3.9	<1	<1	<1		
79		Sukawa River	Sukawabashi Bridge	Fukushima City	2011/9/19	Cloudy	20.4	0.30	20.3	0.0	Colorless transparent	None	100 or	59.3	<1	0.1	<1	<1	<1		
80		Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/19	Cloudy	23.0	0.50	20.2	0.0	Colorless transparent	None	61	33.6	18	8.7	<1	<1	<1		
81	Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/17	Cloudy	27.5	0.20	22.6	0.0	Colorless transparent	None	100 or	21.8	1	0.6	<1	<1	<1			
82	Hattandagawa River	Hattandabashi Bridge	Fukushima City	2011/9/17	Cloudy	29.0	0.30	23.9	0.0	Colorless transparent	None	100 or	22.9	9	6.3	<1	<1	<1			
83	Surikami River	Totsunabashi Bridge	Fukushima City	2011/9/18	Clear	34.2	1.53	22.9	0.0	Dark grayish yellow green	None	100 or	7.8	4	2.7	<1	<1	<1			
84	Surikami River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/18	Sunny	32.4	0.60	25.9	0.0	Colorless transparent	None	100 or	9.7	5	3.1	<1	<1	<1			
85	Abukumagawa River	Taishobashi Bridge	Dateshi City	2011/9/17	Cloudy	30.9	0.30	25.7	0.0	Colorless transparent	None	67	21.2	10	7.7	<1	<1	<1			
86	Hirosegawa River	Tatenokoshibashi Bridge	Saenamatsuchi Town	2011/9/25	Sunny	25.2	0.40	17.2	0.0	Greenish brown	None	35	10.1	25	11	<1	<1	<1			
87	Hirosegawa River	Jizogawarabashi Bridge	Dateshi City	2011/9/18	Sunny	30.0	0.30	22.9	0.0	Colorless transparent	None	100 or	15.6	2	2.5	<1	<1	<1			
88	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2011/9/18	Sunny	29.0	0.30	25.0	0.0	Colorless transparent	None	100 or	33.6	6	5.4	<1	<1	<1			
89	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2011/9/17	Sunny	28.9	0.30	26.9	0.0	Colorless transparent	None	100 or	18.3	10	6.6	<1	<1	<1			
90	Others	Kurokawa River	Prefectural border with Tochigi	Shirakawashi City	2011/9/28	Sunny	11.8	0.65	12.8	0.0	Colorless transparent	None	100 or	7.6	3	1.9	<1	<1	<1		
91		Kujigawa River	Matsuokabashi Bridge	Tamagawamachi Town	2011/9/28	Sunny	21.2	0.80	17.4	0.0	Yellow green	None	78	12.6	18	10	<1	<1	<1		
92		Kujigawa River	Takachiharabashi Bridge	Tamagawamachi Town	2011/9/28	Sunny	20.6	0.60	15.0	0.0	Yellow	None	92	10.2	11	6.0	<1	<1	<1		

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

River (Nakadori Area): 1st Sediment Monitoring Results

Sampling point				Sampling g date	Weather	Air temperature℃	Full depth m	Sediment																Remarks		
No.	Water body	Point	Municipality					General items																		
								Mechanical composition																	Radioactive material concentrations (Bq/kg (dried mud))	
				Moist temperature℃	Moist sampling depth cm	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Moist content%	Moist sample assigned	Property	Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137						
49	Abukumagawa River	Habutobashi Bridge	Nishigunma Village	2011/9/30	Cloudy	22.3	0.45	16.1	5	Dark brown	None	—	1.1	1.7	10.7	75.5	8.8	—	2.2	79.6	2.674	Sand	<30	37	29	
50	Abukumagawa River	Tamachiohashi Bridge	Shirakawashi City	2011/9/28	Sunny	16.7	0.32	18.7	5	Dark greyish yellow	Faint seaweed	—	8.4	6.3	7.1	22.1	51.8	—	4.3	76.5	2.734	Sand	<30	90	110	
51	Yatagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2011/9/28	Sunny	20.4	0.50	20.4	4	Brownish black	None	—	0.4	3.6	52.2	40.1	0.4	—	3.3	83.5	2.642	Sand	<30	140	150	
52	Yashirogawa River	Yashirogawabashi Bridge	Itanagawashi Town	2011/9/28	Sunny	22.6	0.50	21.0	3	Black colorless brown	None	—	—	1.6	9.7	81.9	5.5	—	1.3	84.0	2.721	Sand with gravel	<30	34	43	
53	Kitaogawa River	Yanagibashi Bridge	Hirataura Village	2011/9/28	Sunny	12.8	0.30	12.8	3	Dark yellowish brown	None	—	3.0	33.7	46.3	12.1	1.5	—	3.4	81.7	2.676	Sand with gravel	<30	10	17	
54	Hinadagawa River	Nekonakibashi Bridge	Itakawamachi Town	2011/9/27	Sunny	21.8	1.20	17.8	6	Greyish color brown	None	—	—	0.8	14.8	80.0	3.3	—	1.1	83.4	2.724	Sand	<30	22	23	
55	Yashirogawa River	Ohibashi Bridge	Koriyamashi City	2011/9/27	Sunny	25.8	1.00	18.5	3	Brownish black	None	—	—	2.5	57.6	38.2	0.9	—	0.8	86.3	2.729	Sand with gravel	<30	17	18	
56	Abukumagawa River	Kawanomobashi Bridge	Imochibashi Village	2011/9/27	Sunny	17.4	1.10	18.8	3	Brownish black	None	—	—	0.1	0.7	69.0	26.6	—	3.6	82.6	2.838	Sand	<30	24	47	
57	Abukumagawa River	Emochibashi Bridge	Sakagawashi City	2011/9/26	Cloudy	18.8	0.80	17.0	5	Brownish black	None	—	—	—	0.2	12.6	47.2	22.0	18.0	60.9	2.676	Sand	<30	<10	<11	
58	Shakadagawa River	Sakagawashi City water intake point	Sakagawashi City	2011/9/27	Sunny	15.4	0.60	16.0	3	Olive black	None	—	27.2	13.0	25.7	33.3	0.8	—	0.0	86.4	2.856	Sand with gravel	<30	33	39	
59	Shakadagawa River	Before the confluence with Abukumagawa River	Sakagawashi City	2011/9/27	Cloudy	14.4	0.40	15.4	3	Dark brown	None	—	27.2	21.1	29.2	11.6	6.1	—	4.8	82.2	2.698	Sand with gravel	<30	240	310	
60	Sasaharagawa River	Shimbashi Bridge	Koriyamashi City	2011/9/26	Cloudy	19.4	0.80	21.0	2	Dark brown	None	27.5	15.3	0.7	0.2	3.1	52.5	—	0.7	69.9	2.679	Sand with gravel	<30	560	680	
61	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2011/9/26	Cloudy	20.0	1.00	18.0	4	Dark yellowish brown	None	—	7.3	28.0	37.2	10.5	15.1	—	1.9	86.5	2.671	Sand with gravel	<30	67	70	
62	Okunogawa River	Funehikibashi Bridge	Tamurashi City	2011/9/26	Sunny	18.0	0.40	15.0	5	Dark yellowish brown	None	—	2.9	43.7	47.3	2.4	0.3	—	3.4	93.0	2.687	Sand with gravel	<30	12	15	
63	Okunogawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/9/26	Cloudy	20.0	0.80	18.8	5	Dark yellowish brown	None	—	—	0.2	0.3	35.0	59.7	—	4.8	71.1	2.734	Sand	<30	360	390	
64	Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2011/9/17	Cloudy	26.2	0.30	23.3	5	Brownish black	None	9.2	20.9	6.9	10.7	40.1	11.6	—	0.6	83.5	2.705	Sand with gravel	<30	320	380	
65	Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2011/9/17	Cloudy	24.2	0.50	23.9	5	Dark yellowish brown	Faint metal	—	36.2	18.7	18.0	22.0	5.1	—	0.0	83.4	2.670	Sand with gravel	<30	470	590	
66	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/9/18	Cloudy	25.3	0.35	24.3	5	Olive black	Faint seaweed	—	5.3	3.9	18.9	39.0	17.5	6.4	9.0	74.2	2.643	Sand with silt	<30	6,300	7,200	
67	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2011/9/17	Sunny	29.5	0.60	26.4	5	Olive black	Faint earth	—	10.5	4.3	7.0	39.4	34.5	—	4.3	75.0	2.702	Sand with silt	<30	3,500	4,300	
68	Golyakagawa River	After the confluence with Ishimogawa River	Koriyamashi City	2011/9/16	Sunny	28.9	0.30	25.0	5	Brownish black	Faint seaweed	—	—	0.6	7.7	66.7	13.3	2.7	9.0	76.6	2.692	Sand with silt	<30	550	660	
69	Golyakagawa River	Kamisekishitabashi Bridge	Motomiyashi City	2011/9/16	Sunny	31.3	1.05	23.0	5	Olive black	Faint seaweed	—	0.9	1.3	3.0	13.7	42.7	13.9	24.5	46.1	2.517	Silt	<30	10,000	12,000	
70	Golyakagawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2011/9/15	Sunny	29.5	0.30	27.5	5	Dark olive brown	None	—	11.9	11.2	35.4	37.6	1.2	—	2.7	84.6	2.720	Sand	<30	250	310	
71	Abukumagawa River	Takadabashi Bridge	Nihonmatsudo City	2011/9/15	Sunny	29.6	2.20	25.2	10	Olive black	Earth	—	—	—	0.2	6.2	34.4	28.7	30.5	43.9	2.574	Silt	<30	14,000	16,000	
72	Kuchibutagawa River	Kuchibutogawabashi Bridge	Nihonmatsudo City	2011/9/25	Sunny	17.5	0.50	16.0	5	Brownish black	None	—	1.3	4.2	7.5	38.2	45.4	—	3.4	80.1	2.763	Sand with gravel	<30	880	1,000	
73	Utatsugawa River	Osegawabashi Bridge	Nihonmatsudo City	2011/9/15	Sunny	31.5	0.30	22.0	10	Dark olive brown	None	—	—	0.4	2.4	20.9	56.5	10.1	9.7	65.6	2.719	Sand with silt	<30	830	950	
74	Maruhigawa River	Getouchibashi Bridge	Fukushima City	2011/9/16	Sunny	29.6	0.30	26.0	5	Brownish black	None	—	14.2	10.1	26.1	37.4	7.8	—	4.4	72.9	2.691	Sand with gravel	<30	2,900	3,500	
75	Megumagawa River	Tsurumakibashi Bridge	Fukushima City	2011/9/15	Sunny	32.5	0.30	25.9	10	Brownish black	None	—	7.4	34.4	36.0	17.2	1.9	—	3.1	83.4	2.689	Sand with gravel	<30	870	1,000	
76	Abukumagawa River	Horaibashi Bridge	Fukushima City	2011/9/17	Cloudy	25.6	0.40	25.6	5	Brownish black	None	—	—	1.7	4.0	38.7	52.9	—	2.7	78.1	2.759	Sand	<30	3,000	3,500	
77	Nigatagawa River	Before the confluence with Ousegawa River	Fukushima City	2011/9/19	Cloudy	21.8	0.70	24.0	3	Dark brown	None	—	21.2	23.8	36.8	16.5	1.1	—	0.6	84.7	2.690	Gravel with sand	<30	540	620	
78	Arakawa River	Himokurabashi Bridge	Fukushima City	2011/9/19	Light rain	20.9	0.40	19.7	4	Brown	None	—	—	0.6	2.4	24.9	49.5	14.3	8.3	67.6	2.659	Sand	<30	520	640	
79	Sukawa River	Sukawabashi Bridge	Fukushima City	2011/9/19	Cloudy	20.4	0.30	20.3	4	Dark olive	None	—	14.2	34.3	38.4	10.9	1.6	—	0.6	78.1	2.615	Sand with gravel	<30	360	430	
80	Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/19	Cloudy	23.0	0.50	20.3	5	Dark brown	None	—	35.5	28.7	27.1	8.2	0.2	—	0.3	80.8	2.628	Sand with gravel	<30	570	720	
81	Matsumagawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/17	Cloudy	27.5	0.20	22.8	5	Brownish black	None	—	6.7	7.5	26.7	43.4	11.3	—	4.4	79.8	2.637	Sand with gravel	<30	7,000	8,200	
82	Hattandagawa River	Hattandabashi Bridge	Fukushima City	2011/9/17	Cloudy	29.0	0.30	21.5	5	Dark brown	None	—	27.0	16.3	27.6	25.9	2.1	—	1.1	83.8	2.650	Sand with gravel	<30	1,300	1,700	
83	Sarkagawa River	Iotsunabashi Bridge	Fukushima City	2011/9/18	Clear	34.2	1.53	24.0	4	Brownish black	None	—	5.6	18.3	52.2	22.9	0.5	—	0.5	84.2	2.608	Sand with gravel	<30	470	570	
84	Sarkagawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/18	Sunny	32.4	0.60	25.6	4	Dark brown	None	—	35.2	8.8	10.2	36.9	8.8	—	0.1	78.9	2.634	Sand with gravel	<30	950	1,200	
85	Abukumagawa River	Taishobashi Bridge	Dateshi City	2011/9/17	Cloudy	30.9	0.30	26.3	5	Dark olive brown	None	—	28.1	4.3	5.3	30.6	26.4	—	5.3	61.7	2.715	Sand with gravel	<30	6,400	7,800	
86	Hinogawa River	Tatenokoshibashi Bridge	Kawamatsudo Town	2011/9/25	Sunny	25.2	0.40	19.0	5	Dark yellowish brown	None	—	3.5	22.9	40.8	29.9	1.1	—	1.8	86.1	2.671	Sand	<30	190	250	
87	Hinogawa River	Jizogawarabashi Bridge	Dateshi City	2011/9/18	Sunny	30.0	0.30	22.8	5	Dark olive brown	None	—	2.8	8.7	36.8	49.8	1.8	—	0.1	82.3	2.679	Sand	<30	600	740	
88	Ogunagawa River	Before the confluence with Hinogawa River	Dateshi City	2011/9/18	Sunny	29.0	0.30	24.8	5	Dark olive brown	None	—	51.0	8.8	11.9	19.1	9.0	—	0.2	75.5	2.669	Silt - Sand with gravel	<30	4,200	5,000	
89	Hinogawa River	Before the confluence with Abukumagawa River	Dateshi City	2011/9/17	Sunny	28.9	0.30	25.1	5	Brown	None	—	33.4	22.0	25.4	18.8	0.0	—	0.4	87.7	2.666	Sand with gravel	<30	340	400	
90	Kurokawa River	Prefectural border with Tochigi	Shirakawashi City	2011/9/28	Sunny	11.8	0.65	13.1	5	Dark brown	None	—	0.3	0.8	2.0	66.2	28.5	—	2.2	81.4	2.998	Sand with gravel	<30	43	62	
91	Others	Kujigawa River	Matsukoabashi Bridge	Itanagawashi Town	2011/9/28	Sunny	21.2	0.80	17.2	4	Brownish black	None	—	—	1.1	11.6	73.7	12.8	—	0.8	83.8	2.667	Sand	<30	11	28
92	Kujigawa River	Takachiharabashi Bridge	Yamaturamachi Town	2011/9/28	Sunny	20.6	0.60	15.8	4	Dark yellowish brown	None	—	—	—	0.9	83.7	13.8	—	1.6	83.3	2.655	Sand	<30	26	37	

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

River (Nakadori Area): 1st Surrounding Environment (River Terrace (Left Bank)) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Surrounding environment (soil/herb/air dose)										Remarks																																																																																																																																																																																																													
								Left bank																																																																																																																																																																																																																							
								Soil			Herb				Air dose																																																																																																																																																																																																																
No.	Water body	Point	Municipality	Color	Odor	Property	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)	Concentration of radioactive material (Bq/kg)

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

River (Nakadori Area): 1st Surrounding Environment (River Terrace (Right Bank) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature e ℃	Full depth m	Surrounding environment (soil/herb/air dose)										Remarks	
								Soil					Herb						Air dose (μSv/h)
								General items			Radioactive material concentrations		Concentration of radioactive material (Bq/kg(湿))						
								Color	Odor	Property	Radioactive iodine(I-131)	Radioactive cesium Cs-134	Cs-137	Radioactive iodine(I-131)	Radioactive cesium Cs-134	Cs-137			
No.	Water body	Point	Municipality																
49	Abukumagawa River System	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2011/9/30	Cloudy	22.3	0.45	Brownish black	Earth	Loamy	<30	1,200	1,400	<30	120	120	0.49	
50		Abukumagawa River	Tamachiohashi Bridge	Shirakawashi City	2011/9/28	Sunny	16.7	0.32	Brownish black	Faint green grass	Loamy	<30	1,100	1,400	<30	45	54	0.68	
51		Yanagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2011/9/28	Sunny	20.4	0.50	Brownish black	None	Loamy	<30	1,700	2,000	<30	1,500	1,700	0.97 *	
52		Yashirogawa River	Yashirogawabashi Bridge	Tanagatamachi Town	2011/9/28	Sunny	22.6	0.50	Brownish black	None	Loamy	<30	620	710	<30	<10	<10	0.52 *	
53		Kitasugawa River	Yanagibashi Bridge	Hiratomura Village	2011/9/28	Sunny	12.8	0.30	Dark brown	None	Loamy	<30	110	130	<30	10	12	0.34 *	
54		Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2011/9/27	Sunny	21.8	1.20	Brownish black	None	Loamy	<30	610	770	<30	<10	<10	0.29 *	
55		Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	2011/9/27	Sunny	25.8	1.00	Brownish black	None	Loamy	<30	760	910	<30	30	38	0.28 *	
56		Abukumagawa River	Kawanomebashi Bridge	Tanokawamura Village	2011/9/27	Sunny	17.4	1.10	Dark brown	None	Loamy	<30	28	35	<30	110	150	0.35 *	
57		Abukumagawa River	Emochibashi Bridge	Sukagawashi City	2011/9/26	Cloudy	18.8	0.80	Dark brown	None	Loamy	<30	1,400	1,700	<30	<10	<10	0.67 *	
58		Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2011/9/27	Sunny	15.4	0.60	Brownish black	None	Loamy	<30	1,000	1,200	<30	<10	<10	0.67 *	
59		Shakadogawa River	Before the confluence with Abukumagawa River	Sukagawashi City	2011/9/27	Cloudy	14.4	0.40	Dark brown	None	Loamy	<30	2,800	3,300	<30	60	70	0.91 *	
60		Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2011/9/26	Cloudy	19.4	0.80	Dull yellowish brown	None	Loamy	<30	2,100	2,500	<30	550	680	1.49 *	
61		Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2011/9/26	Cloudy	20.0	1.00	Dull yellowish brown	None	Loamy	<30	1,300	1,600	<30	43	59	1.11 *	
62		Okaneagawa River	Funehikibashi Bridge	Tamurashi City	2011/9/26	Sunny	18.0	0.40	Grayish yellow brown	None	Loamy	<30	460	570	<30	<10	<10	0.58 *	
63		Okaneagawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/9/26	Cloudy	20.0	0.80	Dull yellowish brown	None	Loamy	<30	240	290	<30	240	280	1.03 *	
64		Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2011/9/17	Cloudy	26.2	0.30	Dark brown	Faint earth	Loamy	<30	3,100	3,700	<30	430	520	0.75	
65		Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2011/9/17	Cloudy	24.2	0.50	Olive brown	None	Sandy	<30	4,800	5,700	<30	500	560	1.06	
66		Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/9/18	Cloudy	25.3	0.35	Brownish black	Faint earth	Loamy	<30	45,000	54,000	<30	720	820	2.55	
67		Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2011/9/17	Sunny	29.5	0.60	Brownish black	Faint earth	Loamy	<30	6,900	8,500	<30	96	100	0.96	
68		Gohyakugawa River	After the confluence with Ishimuragawa River	Koriyamashi City	2011/9/16	Sunny	28.9	0.30	Brownish black	Faint earth	Sandy	<30	2,900	3,500	<30	470	520	0.40	
69		Gohyakugawa River	Kamisekishitabashi Bridge	Motomiya City	2011/9/16	Sunny	31.3	1.05	Brown	Faint earth	Sandy	<30	6,900	8,100	<30	37	44	0.87	
70		Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiya City	2011/9/15	Sunny	29.5	0.30	Brownish black	Earth	Loamy	<30	9,000	10,000	<30	100	130	1.88	
71		Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2011/9/15	Sunny	29.6	2.20	Brownish black	Earth	Clay-loamy	<30	27,000	32,000	<30	130	140	3.53	
72		Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2011/9/25	Sunny	17.5	0.50	Dark brown	None	Loamy	<30	1,000	1,200	<30	<10	<21	1.03 *	
73		Utsushigawa River	Osegawabashi Bridge	Nihonmatsushi City	2011/9/15	Sunny	31.5	0.30	Dark brown	Earth	Loamy	<30	2,000	2,300	<30	1,100	1,400	2.05 *	
74		Mizuharagawa River	Getouchibashi Bridge	Fukushima City	2011/9/16	Sunny	29.6	0.30	Brownish black	Earth	Clay-loamy	<30	11,000	13,000	<30	2,500	3,000	1.91	
75		Megamiyagawa River	Tsurumakibashi Bridge	Fukushima City	2011/9/15	Sunny	32.5	0.30	Dark brown	Earth	Loamy	<30	2,600	3,100	<30	190	220	2.34 *	
76		Abukumagawa River	Horaibashi Bridge	Fukushima City	2011/9/17	Cloudy	25.6	0.40	Dark brown	Earth	Loamy	<30	12,000	14,000	<30	210	270	1.25	
77		Nigorigawa River	Before the confluence with Onorigawa River	Fukushima City	2011/9/19	Cloudy	21.8	0.70	Olive black	Earth	Sandy	<30	3,800	4,600	<30	120	150	1.59	
78		Arakawa River	Hinokurabashi Bridge	Fukushima City	2011/9/19	Light rain	20.9	0.40	Dull yellowish brown	None	Sandy	<30	1,500	1,900	<30	26	31	0.22	
79		Sukawa River	Sukawabashi Bridge	Fukushima City	2011/9/19	Cloudy	20.4	0.30	Brown	Faint earth	Loamy	<30	2,400	2,900	<30	140	170	0.69	
80		Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/19	Cloudy	23.0	0.50	Dark brown	Faint earth	Loamy	<30	9,600	11,000	<30	240	280	2.59	
81		Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/17	Cloudy	27.5	0.20	Brown	Earth	Sandy	<30	4,100	4,800	<30	58	61	2.25	
82		Hattandagawa River	Hattandabashi Bridge	Fukushima City	2011/9/17	Cloudy	29.0	0.30	Dark brown	Earth	Sandy	<30	5,300	6,400	<30	33	24	1.30	
83		Surikamiyagawa River	Totsunabashi Bridge	Fukushima City	2011/9/18	Clear	34.2	1.53	Pale Yellow	None	Sandy	<30	3,500	4,200	<30	150	170	1.15	
84		Surikamiyagawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/9/18	Sunny	32.4	0.60	Yellowish brown	None	Sandy	<30	1,900	2,200	<30	170	220	1.35	
85		Abukumagawa River	Taishobashi Bridge	Dateshi City	2011/9/17	Cloudy	30.9	0.30	Grayish yellow brown	Earth	Sandy	<30	7,000	8,300	<30	34	33	1.22	
86		Hirosegawa River	Tatenokoshibashi Bridge	Kawanomatsuchi Town	2011/9/25	Sunny	25.2	0.40	Brownish black	None	Loamy	<30	6,300	7,500	<30	270	290	1.80 *	
87		Hirosegawa River	Jizogawarabashi Bridge	Dateshi City	2011/9/18	Sunny	30.0	0.30	Dull yellowish brown	Earth	Sandy	<30	2,300	2,700	<30	140	160	1.34	
88		Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2011/9/18	Sunny	29.0	0.30	Dark brown	Earth	Sandy	<30	10,000	12,000	<30	100	120	1.10	
89		Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2011/9/17	Sunny	28.9	0.30	Dark brown	Earth	Sandy	<30	2,200	2,700	<30	320	380	0.80	
90	Others	Kurokawa River	Prefectural border with Tochigi	Shirakawashi City	2011/9/28	Sunny	11.8	0.65	Dull yellowish brown	Faint green grass	Loamy	<30	4,000	4,800	<30	240	310	0.69	
91		Kujigawa River	Matsuokabashi Bridge	Tanagatamachi Town	2011/9/28	Sunny	21.2	0.80	Brownish black	None	Loamy	<30	1,000	1,300	<30	62	70	0.43 *	
92		Kujigawa	Takachiharabashi Bridge	Yamatsurima	2011/9/28	Sunny	20.6	0.60	Grayish	None	Loamy	<30	100	91	<30	<10	<10	0.22 *	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

River (Aizu Area): 1st Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature:℃	Full depth m	Water quality											Remarks	
No.	Water body	Point	Municipality					General items							Radioactive material concentrations (Bq/L)					
								Water temperature:℃	Sampling depth	Color	Odor	Transparency:cm	Electrical conductivity:μS/cm	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Cs-137		
93	Aganogawa River System	Aganogawa River	Tajimabashi Bridge	Minamitamaki Town	2011/9/26	Cloudy	16.9	0.50	13.9	0.0	Colorless transparent	None	100 or more	5.0	2	1.8	<1	<1	<1	
94		Aganogawa River	Okawabashi Bridge	Aizuwakamatsi City	2011/9/29	Clear	24.4	0.70	14.9	0.0	Dark yellow green	None	54.5	6.6	9	9.8	<1	<1	<1	
95		Yukawa River	Takimibashi Bridge	Aizuwakamatsi City	2011/9/29	Clear	25.0	0.30	15.7	0.0	Colorless transparent	None	50	8.0	9	8.7	<1	<1	<1	
96		Yukawa River	Shinyukawabashi Bridge	Aizuwakamatsi City	2011/9/27	Sunny	18.2	0.70	16.2	0.0	Grayish yellow green	Faint sewage	49.5	9.1	21	14	<1	<1	<1	
97		Yukawa River	Before the confluence with Aganogawa River	Aizuwakamatsi City	2011/9/27	Sunny	16.8	0.60	15.2	0.0	Grayish yellow green	Faint sewage	49	10.5	20	11	<1	<1	<1	
98		Miyakawa River	Saikunabashi Bridge	Aizuharagomachi Town	2011/9/19	Rain	20.2	1.10	19.8	0.0	Dark green	None	100 or more	13.4	13	4.0	<1	<1	<1	
99		Aganogawa River	Miyakobashi Bridge	Aizuharagomachi Town	2011/9/27	Sunny	23.2	0.70	17.4	0.0	Grayish green	None	100 or more	8.3	7	6.3	<1	<1	<1	
100		Nippushigawa River	Minamiohashi Bridge	Kitakataishi City	2011/9/27	Clear	23.1	0.45	19.6	0.0	Colorless transparent	None	100 or more	10.7	9	7.1	<1	<1	<1	
101		Kyuyukawa River	Awanomiyabashi Bridge	Yagawamura Village	2011/9/28	Sunny	23.2	0.50	20.2	0.0	Dark grayish yellow red	None	47.5	16.1	16	15	<1	<1	<1	
102		Kyumiyaikawa River	Josukebashi Bridge	Aizuharagomachi Town	2011/9/27	Sunny	20.2	0.40	17.7	0.0	Greenish brown	None	39.5	14.2	30	20	<1	<1	<1	
103		Tatsukigawa River	Ohashi Bridge	Kitakataishi City	2011/9/27	Clear	22.0	0.50	16.4	0.0	Colorless transparent	None	100 or more	8.2	2	1.6	<1	<1	<1	
104		Tatsukigawa River	Shimokawarabashi Bridge	Kitakataishi City	2011/9/27	Clear	21.2	0.40	17.4	0.0	Colorless transparent	None	100 or more	11.3	3	2.5	<1	<1	<1	
105		Nigorigawa River	Nigorigawabashi Bridge	Kitakataishi City	2011/9/27	Clear	24.2	0.30	18.4	0.0	Colorless transparent	None	63	11.6	4	4.2	<1	<1	<1	
106		Nigorigawa River	Yamazakibashi Bridge	Kitakataishi City	2011/9/19	Rain	21.1	0.30	22.9	0.0	Colorless transparent	None	100 or more	18.3	3	2.2	<1	<1	<1	
107		Inagawa River	Aoyagibashi Bridge	Minamitamaki Town	2011/9/27	Cloudy	17.1	0.40	13.0	0.0	Strong yellow red	None	26	5.3	14	13	<1	<1	<1	
108		Inagawa River	Kurosawabashi Bridge	Tadamimachi Town	2011/9/27	Sunny	20.8	0.40	18.9	0.0	Grayish yellow green	None	21	6.4	47	43	<1	<1	<1	
109		Tadamigawa River	Nishitanibashi Bridge	Kawayamatsuchi Town	2011/9/27	Clear	19.4	0.30	16.1	0.0	Greenish brown	None	14	8.3	42	58	<1	<1	<1	
110		Tadamigawa River	Fujibashi Bridge	Aizuharagomachi Town	2011/9/28	Sunny	19.9	0.45	18.4	0.0	Grayish yellow green	None	17	7.3	52	59	<1	<1	<1	
111		Aganogawa River	Shingo Dam	Kitakataishi City	2011/9/28	Sunny	15.8	1.00	17.3	0.0	Grayish yellow green	None	15	8.8	32	41	<1	<1	<1	
112	Others	Sukawa River	Sukawano	Iwatsubatomachi Town	2011/9/29	Clear	21.7	0.33	16.2	0.0	Colorless transparent	None	100 or more	76.1	8	4.7	<1	<1	<1	
113		Nagasegawa River	Koganebashi Bridge	Iwatsubatomachi Town	2011/9/28	Clear	19.3	0.28	17.3	0.0	Grayish yellow green	None	100 or more	29.9	5	6.1	<1	<1	<1	

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

River (Aizu Area): 1st Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Sediment																		Remarks	
No.	Water body	Point	Municipality					General items																Radioactive material			
								Mechanical composition																Radioactive cesium			
								Moist temperature℃	Moist sampling depth cm	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Moist content%	Moist particle diameter(mm)	Property	Radioactive index(Bq)	Cs-134	Cs-137		
93	Aganogawa River System	Aganogawa River	Tajimabashi Bridge	Mitsunomatsuda Town	2011/9/26	Cloudy	16.9	0.50	15.1	5	Olive brown	None	—	22.1	17.6	22.6	31.2	6.4	—	0.1	85.5	2.686	Sand	<30	<10	<10	
94		Aganogawa River	Okawabashi Bridge	Aizuwakamatsuchi City	2011/9/29	Clear	24.4	0.70	14.9	5	Olive black	None	—	6.2	33.0	45.0	14.7	0.3	—	0.8	79.9	2.694	Sand	<30	11	16	
95		Yukawa River	Takimibashi Bridge	Aizuwakamatsuchi City	2011/9/29	Clear	25.0	0.30	15.6	5	Dark olive brown	None	—	9.9	10.5	17.1	52.6	9.2	—	0.7	78.4	2.849	Sand	<30	130	160	
96		Yukawa River	Shinyukawabashi Bridge	Aizuwakamatsuchi City	2011/9/27	Sunny	18.2	0.70	16.1	5	Brownish black	Faint seaweed	—	—	—	0.6	8.2	19.4	36.3	35.5	46.0	2.423	Silt	<30	3,900	4,800	
97		Yukawa River	Before the confluence with Aganogawa River	Aizuwakamatsuchi City	2011/9/27	Sunny	16.8	0.60	15.3	5	Brownish black	None	31.3	40.6	8.5	4.3	8.3	6.1	—	0.9	50.3	2.579	Silt	<30	1,100	1,200	
98		Myakawa River	Saikunabashi Bridge	Aizuwakamatsuchi Town	2011/9/19	Rain	20.2	1.10	16.0	12	Brownish black	None	—	—	—	1.1	88.5	7.1	—	3.3	80.5	2.673	Sand	<30	54	72	
99		Aganogawa River	Myakobashi Bridge	Aizuwakamatsuchi Town	2011/9/27	Sunny	23.2	0.70	17.4	5	Olive brown	None	—	—	—	0.3	36.8	48.4	6.5	8.0	74.7	2.671	Sand with silt	<30	180	200	
100		Nippaigawa River	Minamiohashi Bridge	Kitakatsuchi City	2011/9/27	Clear	23.1	0.45	19.6	5	Dark yellowish brown	None	—	—	—	1.1	91.5	4.7	—	2.7	78.2	2.632	Sand	<30	77	90	
101		Kyotakawa River	Awanomiyabashi Bridge	Nagawamatsuchi Village	2011/9/28	Sunny	23.2	0.50	19.8	5	Olive black	Faint seaweed	—	—	—	0.2	3.9	26.0	39.2	30.7	40.0	2.504	Silt	<30	5,900	7,100	
102		Kyotakawa River	Josukebashi Bridge	Aizuwakamatsuchi Town	2011/9/27	Sunny	20.2	0.40	17.5	5	Dark brown	None	—	—	—	1.0	5.3	62.4	28.0	—	3.3	75.9	2.654	Sand	<30	280	330
103		Tatsukigawa River	Ohashi Bridge	Kitakatsuchi City	2011/9/27	Clear	22.0	0.50	18.2	5	Dark brown	Faint earth	—	36.1	14.8	15.2	19.6	12.4	—	1.9	78.6	2.597	Gravel/sand with silt	<30	300	370	
104		Tatsukigawa River	Shimokawarabashi Bridge	Kitakatsuchi City	2011/9/27	Clear	21.2	0.40	18.4	5	Dark brown	None	—	18.3	10.4	15.3	42.1	10.2	—	3.7	79.8	2.629	Sand with gravel	<30	160	180	
105		Nigorigawa River	Nigorigawabashi Bridge	Kitakatsuchi City	2011/9/27	Clear	24.2	0.30	17.8	5	Brown	None	—	47.3	11.6	7.8	18.3	14.1	—	0.9	80.7	2.644	Sand with gravel	<30	32	37	
106		Nigorigawa River	Yamazakibashi Bridge	Kitakatsuchi City	2011/9/19	Rain	21.1	0.30	23.1	5	Brownish black	None	—	29.0	8.9	5.3	13.8	25.0	7.2	10.8	64.1	2.636	Sand with gravel	<30	80	100	
107		Inagawa River	Aoyagibashi Bridge	Mitsunomatsuchi Town	2011/9/27	Cloudy	17.1	0.40	14.8	5	Dark grayish yellow	None	—	0.3	0.5	1.8	76.3	20.9	—	0.2	82.3	2.646	Sand	<30	<10	<10	
108		Inagawa River	Kurosawabashi Bridge	Tadamatsuchi Town	2011/9/27	Sunny	20.8	0.40	17.8	5	Grayish olive	None	5.6	7.5	0.3	0.3	53.1	29.8	—	3.4	78.9	2.619	Sand	<30	<10	<10	
109		Tadamogawa River	Nishitambashi Bridge	Aizuwakamatsuchi Town	2011/9/27	Clear	19.4	0.30	16.0	5	Olive black	None	—	35.9	41.2	18.5	3.2	1.0	—	0.2	90.4	2.660	Gravel	<30	<10	<10	
110		Tadamogawa River	Fujibashi Bridge	Aizuwakamatsuchi Town	2011/9/28	Sunny	19.9	0.45	18.2	5	Brownish black	None	—	1.9	3.7	12.8	46.3	24.2	3.2	7.9	78.9	2.652	Sand with silt	<30	<10	14	
111		Others	Aganogawa River	Shingo Dam	Kitakatsuchi City	2011/9/28	Sunny	15.8	1.00	17.3	5	Dark grayish yellow	None	—	—	—	—	0.9	8.5	57.0	33.6	49.8	2.561	Silt	<30	54	75
112	Sukawa River		Sukawano	Iizawaichirotsuchi Town	2011/9/29	Clear	21.7	0.33	16.4	5	Dark yellowish brown	None	—	4.7	12.8	36.9	41.7	3.2	—	0.7	77.7	2.504	Sand with gravel	<30	71	90	
113	Nagasegawa River		Koganebashi Bridge	Iizawaichirotsuchi Town	2011/9/28	Clear	19.3	0.28	19.6	5	Brown	None	—	15.5	14.3	47.0	21.8	0.8	—	0.6	86.9	2.736	Sand with gravel	<30	11	13	

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

River (Aizu Area): 1st Surrounding Environment (River Terrace (Left Bank)) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature:℃	Full depth m	Surrounding environment (soil/herb/air dose)										Remarks	
								Left bank											
								Soil			Herb				Air dose (μSv/h)				
								General items			Radioactive material concentrations (Bq/kg (dry))			Concentration of radioactive material (Bq/kg(湿))					
No.	Water body		Point	Municipality	Color	Odor	Property	Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137		Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137							
93	Aganogawa River System	Aganogawa River	Tajimabashi Bridge	Minamitaranouchi Town	2011/9/26	Cloudy	16.9	0.50	Dark brown	Earth	Loamy	<30	110	130	<30	<10	17	0.09	
94		Aganogawa River	Okawabashi Bridge	Aizuwakamatsuchi City	2011/9/29	Clear	24.4	0.70	Dark olive brown	Faint earth	Sandy	<30	120	160	<30	<10	11	0.20 *	
95		Yukawa River	Takimibashi Bridge	Aizuwakamatsuchi City	2011/9/29	Clear	25.0	0.30	Very brownish black	Faint earth	Clay-loamy	<30	780	910	<30	24	29	0.36 *	
96		Yukawa River	Shinyukawabashi Bridge	Aizuwakamatsuchi City	2011/9/27	Sunny	18.2	0.70	Brownish black	None	Sandy	<30	890	1,100	<30	23	32	0.56 *	
97		Yukawa River	Before the confluence with Aganogawa River	Aizuwakamatsuchi City	2011/9/27	Sunny	16.8	0.60	Brownish black	Faint earth	Loamy	<30	1,400	1,600	<30	250	310	0.54 *	
98		Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2011/9/19	Rain	20.2	1.10	Dark grayish yellow	None	Loamy	<30	750	870	<30	<10	<10	0.20	
99		Aganogawa River	Miyakobashi Bridge	Aizubangemachi Town	2011/9/27	Sunny	23.2	0.70	Dark brown	Faint earth	Loamy	<30	600	670	<30	<10	21	0.59 *	
100		Nippashigawa River	Minamiohashi Bridge	Kitakatashi City	2011/9/27	Clear	23.1	0.45	Brownish black	Faint earth	Loamy	<30	2,900	3,200	<30	17	22	0.65 *	
101		Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2011/9/28	Sunny	23.2	0.50	Brownish black	Faint earth	Sandy	<30	1,700	2,000	<30	33	42	0.76 *	
102		Kyumiakawa River	Josukebashi Bridge	Aizubangemachi Town	2011/9/27	Sunny	20.2	0.40	Black	Earth	Loamy	<30	1,300	1,600	<30	<10	10	0.50 *	
103		Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2011/9/27	Clear	22.0	0.50	Brownish black	Earth	Loamy	<30	230	300	<30	<10	<10	0.13	
104		Tatsukigawa River	Shimokawarabashi Bridge	Kitakatashi City	2011/9/27	Clear	21.2	0.40	Brownish black	Earth	Loamy	<30	930	1,100	<30	<10	<10	0.26	
105		Nigorigawa River	Nigorigawabashi Bridge	Kitakatashi City	2011/9/27	Clear	24.2	0.30	Dull yellowish brown	Earth	Loamy	<30	1,300	1,500	<30	28	41	0.24	
106		Nigorigawa River	Yamazakibashi Bridge	Kitakatashi City	2011/9/19	Rain	21.1	0.30	Brown	Earth	Loamy	<30	530	620	<30	<10	<10	0.18	
107		Inagawa River	Aoyagibashi Bridge	Minamitaranouchi Town	2011/9/27	Cloudy	17.1	0.40	Dark brown	Earth	Loamy	<30	47	60	<30	45	54	0.15	
108		Inagawa River	Kurosawabashi Bridge	Tadamimachi Town	2011/9/27	Sunny	20.8	0.40	Brownish black	Earth	Loamy	<30	280	330	<30	<10	<10	0.10	
109		Tadamigawa River	Nishitanibashi Bridge	Kaneyamamachi Town	2011/9/27	Clear	19.4	0.30	Dark olive	None	Loamy	<30	<10	33	<30	<10	<10	0.09	
110		Tadamigawa River	Fujibashi Bridge	Aizubangemachi Town	2011/9/28	Sunny	19.9	0.45	Olive brown	None	Sandy	<30	17	18	<30	<10	12	0.16 *	
111		Aganogawa River	Shingo Dam	Kitakatashi City	2011/9/28	Sunny	15.8	1.00	Olive black	Faint earth	Sandy	<30	550	670	<30	<10	10	0.25 *	
112	Others	Sukawa River	Sukawano	Iizuwakironouchi Town	2011/9/29	Clear	21.7	0.33	Dark brown	Earth	Loamy	<30	600	800	<30	45	53	0.28	
113		Nagasegawa River	Koganebashi Bridge	Iizuwakironouchi Town	2011/9/28	Clear	19.3	0.28	Dull yellowish brown	Faint earth	Loamy	<30	130	160	<30	<10	<10	0.13	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

River (Aizu Area): 1st Surrounding Environment (River Terrace (Right Bank)) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature:℃	Full depth m	Surrounding environment (soil/herb/air dose)										Remarks
								Right bank										
								Soil			Herb				Air dose (μSv/h)			
								General items			Radioactive material concentrations (Bq/kg (dry))		Concentration of radioactive material (Bq/kg(湿))					
No.	Water body	Point	Municipality	Color	Odor	Property	Radioactive iodine-131	Radioactive cesium Cs-134	Cs-137	Radioactive iodine-131	Radioactive cesium Cs-134	Cs-137						
93	Aganogawa River System	Aganogawa River	Tajimabashi Bridge	Minamiatsumi Town	2011/9/26	Cloudy	16.9	0.50	Dark olive brown	Earth	Loamy	<30	97	100	<30	<10	<10	0.09
94		Aganogawa River	Okawabashi Bridge	Aizuwakamatsuchi City	2011/9/29	Clear	24.4	0.70	Brownish black	Faint earth	Sandy	<30	230	290	<30	10	18	0.15 *
95		Yukawa River	Takimibashi Bridge	Aizuwakamatsuchi City	2011/9/29	Clear	25.0	0.30	Brownish black	Faint earth	Sandy	<30	670	870	<30	<10	<10	0.37 *
96		Yukawa River	Shinyukawabashi Bridge	Aizuwakamatsuchi City	2011/9/27	Sunny	18.2	0.70	Brownish black	Faint earth	Sandy	<30	1,100	1,300	<30	37	50	0.58 *
97		Yukawa River	Before the confluence with Aganogawa River	Aizuwakamatsuchi City	2011/9/27	Sunny	16.8	0.60	Brownish black	None	Loamy	<30	1,000	1,300	<30	19	35	0.54 *
98		Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2011/9/19	Rain	20.2	1.10	Olive brown	None	Sandy	<30	200	230	<30	<10	<15	0.19
99		Aganogawa River	Miyakobashi Bridge	Aizubangemachi Town	2011/9/27	Sunny	23.2	0.70	Brownish black	Earth	Sandy	<30	3,500	4,200	<30	94	110	0.60 *
100		Nippashigawa River	Minamiohashi Bridge	Kitakatashi City	2011/9/27	Clear	23.1	0.45	Brownish black	Faint earth	Sandy	<30	520	590	<30	<10	<10	0.61 *
101		Kyuyukawa River	Awanomiyabashi Bridge	Yugawamura Village	2011/9/28	Sunny	23.2	0.50	Dark brown	Faint earth	Sandy	<30	1,200	1,500	<30	46	39	0.65 *
102		Kyumiakawa River	Josukebashi Bridge	Aizubangemachi Town	2011/9/27	Sunny	20.2	0.40	Black	Earth	Loamy	<30	1,200	1,400	<30	<10	16	0.50 *
103		Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2011/9/27	Clear	22.0	0.50	Brownish black	Earth	Loamy	<30	570	720	<30	22	24	0.16
104		Tatsukigawa River	Shimokawarabashi Bridge	Kitakatashi City	2011/9/27	Clear	21.2	0.40	Brownish black	Earth	Loamy	<30	670	840	<30	<10	<10	0.24
105		Nigorigawa River	Nigorigawabashi Bridge	Kitakatashi City	2011/9/27	Clear	24.2	0.30	Brownish black	Earth	Loamy	<30	790	960	<30	16	26	0.23
106		Nigorigawa River	Yamazakibashi Bridge	Kitakatashi City	2011/9/19	Rain	21.1	0.30	Brown	Earth	Loamy	<30	5,600	7,100	<30	<10	<16	0.17
107		Inagawa River	Aoyagibashi Bridge	Minamiatsumi Town	2011/9/27	Cloudy	17.1	0.40	Brownish black	Earth	Loamy	<30	38	52	<30	<10	<10	0.14
108		Inagawa River	Kurosawabashi Bridge	Tadamimachi Town	2011/9/27	Sunny	20.8	0.40	Brownish black	Earth	Loamy	<30	<10	<10	<30	<10	<10	0.08
109		Tadamigawa River	Nishitanibashi Bridge	Kaneyamamachi Town	2011/9/27	Clear	19.4	0.30	Olive black	Earth	Loamy	<30	35	38	<30	<10	11	0.08
110		Tadamigawa River	Fujibashi Bridge	Aizubangemachi Town	2011/9/28	Sunny	19.9	0.45	Brownish black	Faint earth	Sandy	<30	82	110	<30	<10	17	0.20 *
111		Aganogawa River	Shingo Dam	Kitakatashi City	2011/9/28	Sunny	15.8	1.00	Dark brown	Faint earth	Loamy	<30	310	370	<30	<10	<10	0.21 *
112	Others	Sukawa River	Sukawano	Iizuwakamatsuchi Town	2011/9/29	Clear	21.7	0.33	Dark olive brown	None	Loamy	<30	1,000	1,200	<30	<10	<10	0.26
113		Nagasegawa River	Koganebashi Bridge	Iizuwakamatsuchi Town	2011/9/28	Clear	19.3	0.28	Dull yellowish brown	Faint earth	Sandy	<30	200	260	<30	<10	<10	0.11

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

Lake and Headwater (Hamadori Area) : 1st Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature/℃	Full depth m	Water quality											Remarks
No.	Water body	Point	Municipality					General items							Radioactive material concentrations				
								Water temperature/℃	Sampling depth m	Color	Odor	Secchi disk depth m	Electrical conductivity/μS/cm	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Cs-137	
114	Soso (farm pond)	Takei	Shinchimachi Town	2011/9/20	Rain	16.0	0.4	21.7	0	Greenish brown	None	0.4 or more	23.4	40	28	<1	<1	<1	
115	Soso (farm pond)	Uchizawa	Somashi City	2011/9/20	Rain	16.0	0.3	18.4	0	Grayish yellow	None	0.3 or more	29.9	200	280	<1	1	2	
116	Matsugabo Dam (Utagawako Lake)		Somashi City	2011/9/28	Cloudy	17.6	22.9	18.2	0.5	Dark grayish yellow-green	None	2	8.2	2	2.5	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	7.9	21.9	—	None	—	10.4	3	6.9	<1	<1	1	
117	Mano Dam		Iitatemura Village	2011/9/30	Cloudy	22.6	56.9	20.2	0.5	Dark grayish yellow-green	None	2.2	7.0	1	1.7	<1	<1	<1	Deliberate evacuation areas
		1 m from the bottom	—	—	—	—	—	7.0	55.9	—	Faint hydrogen sulfide	—	15.1	11	13	<1	10	12	
118	Ganbe Dam Reservoir		Iitatemura Village	2011/9/20	Rain	15.6	0.7	19.0	0	Greenish brown	None	0.7 or more	6.2	4	7.9	<1	<1	1	Deliberate evacuation areas
119	Takanokura Dam Reservoir		Minamisomashi City	2011/9/16	Sunny	29.2	0.3	26.0	0	Dark green	None	0.3 or more	7.1	13	2.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
120	Yokokawa Dam Reservoir		Minamisomashi City	2011/9/16	Sunny	30.0	0.3	27.0	0	Dark green	None	0.3 or more	5.5	7	1.6	<1	2	3	Former evacuation-prepared areas in case of emergency
121	Ogaki Dam		Namiemachi Town	2011/9/26	Cloudy	17.4	0.5	17.2	0	Ocher	None	0.5	4.8	16	21	<1	12	15	Restricted areas
122	Sakashita Dam		Okumamachi Town	2011/9/26	Sunny	18.8	0.5	19.0	0	Grayish yellow	None	0.3	6.5	26	41	<1	1	1	Restricted areas
123	Takikawa Dam		Kawauchimura Village	2011/9/26	Cloudy	17.9	0.3	19.3	0	Greenish brown	None	0.3 or more	6.4	9	9.8	<1	<1	1	Restricted areas
124	Kido Dam		Narahamachi Town	2011/9/27	Sunny	21.8	0.3	17.2	0	Brownish black	None	0.4 (Transparency)	47.2	6	12	<1	<1	<1	Restricted areas
125	Komachi Dam		Onomachi Town	2011/9/29	Sunny	19.7	11.5	21.2	0.5	Greenish brown	None	0.5	7.8	23	23	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	12.1	10.5	—	None	—	14.5	42	49	<1	<1	<1	
126	Iwaki (farm pond)	Shinike	Iwakishi City	2011/9/20	Rain	25.0	0.5	24.1	0	Dark grayish yellow-red	None	0.7 (Transparency)	13.1	4	5.8	<1	<1	<1	
127	Kodama Dam Reservoir (Kodamako Lake)		Iwakishi City	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to turbid water
128	Iwaki (farm pond) Kanoritsutsumishita		Iwakishi City	2011/9/27	Sunny	20.6	0.5	21.2	0	Dark grayish yellow-green	None	0.4	48.4	8	6.4	<1	<1	<1	
129	Takashiba Dam Reservoir (Takashibako Lake)		Iwakishi City	2011/9/27	Sunny	22.1	21.8	16.1	0.5	Yellow green	None	1.7	10.3	2	5.0	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	14.7	20.8	—	None	—	10.4	14	14	<1	<1	<1	
130	Shitoki Dam Reservoir		Iwakishi City	2011/9/27	Sunny	22.2	35.6	17.4	0.5	Ocher	None	0.4	5.4	22	33	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	9.3	34.6	—	None	—	10.7	14	23	<1	<1	<1	

Note: Sampling points are listed from north to south.

Lake and Headwater (Hamdori Area): 1st Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Sediment																				Remarks
No.	Water body	Point	Municipality					General items													Radioactive material concentrations (Bq/kg (dried mud))							
								Mud temperature℃	Mud sampling depth cm	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Mud content%	Gravel description%	Property	Radioactive cesium Cs-134	Cs-137				
114	Soso (farm pond)	Takei	Shinchimachi Town	2011/9/20	Rain	16.0	0.4	21.8	5	Dull yellow	None	—	—	0.6	1.1	8.4	16.3	30.0	43.6	67.3	2.621	Silt with	<30	66	74			
115	Soso (farm pond)	Uchizawa	Somashi City	2011/9/20	Rain	16.0	0.3	20.4	5	Dark olive gray	None	—	14.3	6.3	4.9	14.6	14.9	19.0	26.0	56.6	2.620	Silt with	<30	110	140			
116	Matsugabo Dam (Utagawako Lake)		Somashi City	2011/9/28	Cloudy	17.6	22.9	7.3	10	Olive black	Earth	—	—	—	—	0.3	2.2	49.8	47.7	27.6	2.417	Silt	<30	10,000	12,000			
		from Ikoma the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
117	Mano Dam		Iitatemura Village	2011/9/30	Cloudy	22.6	56.9	6.4	13	Olive black	None	—	—	—	—	—	0.4	34.8	64.8	22.2	2.411	Silt	<30	4,600	5,300	Deliberate evacuation areas		
		from Ikoma the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
118	Ganbe Dam Reservoir		Iitatemura Village	2011/9/20	Rain	15.6	0.7	18.8	5	Brown	None	—	12.8	7.8	16.1	28.5	18.9	8.8	7.1	77.8	2.644	Sand	<30	3,700	4,500	Deliberate evacuation areas		
119	Takanokura Dam Reservoir		Minamisomashi City	2011/9/16	Sunny	29.2	0.3	23.9	5	Blackish olive brown	None	—	31.8	14.1	11.4	15.3	13.2	4.0	10.2	58.3	2.640	Gravel/sand	<30	10,000	12,000	Former evacuation-prepared areas in case of emergency		
120	Yokokawa Dam Reservoir		Minamisomashi City	2011/9/16	Sunny	30.0	0.3	27.0	5	Brownish black	None	—	0.5	4.2	16.3	36.5	30.3	4.5	7.7	70.3	2.648	Sand	<30	6,300	7,500	Former evacuation-prepared areas in case of emergency		
121	Ogaki Dam		Namimachi Town	2011/9/26	Cloudy	17.4	0.5	16.8	5	Olive brown	Earth	—	22.1	24.2	22.4	22.8	4.2	—	4.3	97.1	2.628	Gravel with	<30	5,700	7,400	Restricted areas		
122	Sakashita Dam		Okumamachi Town	2011/9/26	Sunny	18.8	0.5	18.4	15	Blackish olive brown	None	—	0.7	4.9	4.6	3.1	4.4	54.6	27.7	28.1	2.279	Silt with sand	<30	17,000	20,000	Restricted areas		
123	Takikawa Dam		Kawanachimura Village	2011/9/26	Cloudy	17.9	0.3	19.0	3	Blackish olive brown	None	—	—	—	—	0.2	14.3	56.7	28.8	43.8	2.311	Silt	<30	14,000	17,000	Restricted areas		
124	Kido Dam		Narahamachi Town	2011/9/27	Sunny	21.8	0.3	22.1	5	Brownish black	None	—	—	—	0.4	1.4	37.8	40.6	19.8	34.5	2.352	Silt with sand	<30	5,400	6,000	Restricted areas		
125	Komachi Dam		Onomachi Town	2011/9/29	Sunny	19.7	11.5	10.0	10	Black	Earth	—	—	0.5	0.3	0.2	1.5	64.6	32.9	29.7	2.508	Silt	<30	730	1,000			
		from Ikoma the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
126	Iwaki (farm pond)	Shinike	Iwakishi City	2011/9/20	Rain	25.0	0.5	23.2	5	Olive gray	Putrescence	—	2.5	8.0	20.1	27.5	15.1	18.0	8.8	60.2	2.513	Sand with silt	<30	140	170			
127	Kodama Dam Reservoir (Kodamako Lake)		Iwakishi City	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to turbid water		
128	Iwaki (farm pond)	Kanoritsutsumishita	Iwakishi City	2011/9/27	Sunny	20.6	0.5	20.6	15	Gray	Faint mold	—	1.5	2.5	3.5	13.3	38.3	27.6	13.3	50.5	2.635	Silt with sand	<30	280	320			
129	Takashiba Dam Reservoir (Takashibako Lake)		Iwakishi City	2011/9/27	Sunny	22.1	21.8	15.0	10	Brownish black	None	—	—	—	—	1.2	18.1	53.5	27.2	43.8	2.640	Silt with sand	<30	840	1,100			
		from Ikoma the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
130	Shitoki Dam Reservoir		Iwakishi City	2011/9/27	Sunny	22.2	35.6	11.8	10	Brownish black	None	—	—	—	0.1	0.2	3.2	64.5	32.0	28.5	2.409	Silt with sand	<30	1,400	1,600			
		from Ikoma the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			

Note: Sampling points are listed from north to south.

Lake and Headwater (Hamadori Area): 1st Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Surrounding environment (soil/herb/air dose)										Remarks
							Soil			Herb			Air dose (μSv/h)				
							General items			Radioactive material concentrations (Bq/kg)				Concentration of radioactive material (Bq/kg(葉))			
No.	Water body	Point	Municipality	Color	Odor	Property	Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137		Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137						
114	Soso (farm pond) Takei		Shinchimachi Town	2011/9/20	Rain	16.0	Brownish black	None	Loamy	<30	960	1,100	<30	35	54	0.40	
115	Soso (farm pond) Uchizawa		Somashi City	2011/9/20	Rain	16.0	Brown	None	Clay-loamy	<30	1,000	1,100	<30	35	63	0.41	
116	Matsugabo Dam (Utagawako Lake)		Somashi City	2011/9/28	Cloudy	17.6	Dark brown	Earth	Sandy	<30	2,700	3,200	<30	61	75	0.62	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
117	Mano Dam		Iitatemura Village	2011/9/30	Cloudy	22.6	Brownish black	Earth	Loamy	<30	5,800	6,700	<30	470	540	1.84	Deliberate evacuation areas
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
118	Ganbe Dam Reservoir		Iitatemura Village	2011/9/20	Rain	15.6	Brownish black	Faint earth	Loamy	<30	2,500	2,900	<30	320	350	2.54	Deliberate evacuation areas
119	Takanokura Dam Reservoir		Minamisomashi City	2011/9/16	Sunny	29.2	Dark brown	Earth	Loamy	<30	8,900	10,000	<30	110	150	3.32	Former evacuation-prepared areas in case of emergency
120	Yokokawa Dam Reservoir		Minamisomashi City	2011/9/16	Sunny	30.0	Dark brown	Earth	Sandy	<30	9,700	11,000	<30	720	850	3.74	Former evacuation-prepared areas in case of emergency
121	Ogaki Dam		Namiemachi Town	2011/9/26	Cloudy	17.4	Dark brown	Earth	Clay-loamy	<30	26,000	32,000	<30	6,800	7,900	19.17	Restricted areas
122	Sakashita Dam		Okumamachi Town	2011/9/26	Sunny	18.8	Brownish black	None	Loamy	<30	10,000	12,000	<30	190	270	2.20	Restricted areas
123	Takikawa Dam		Kawauchimura Village	2011/9/26	Cloudy	17.9	Blackish olive brown	None	Loamy	<30	3,800	4,500	<30	810	1,000	4.68	Restricted areas
124	Kido Dam		Narahamachi Town	2011/9/27	Sunny	21.8	Olive brown	None	Clay-loamy	<30	1,100	1,300	<30	370	470	0.92	Restricted areas
125	Komachi Dam		Onomachi Town	2011/9/29	Sunny	19.7	Dark brown	Earth	Loamy	<30	160	210	<30	49	66	0.28	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
126	Iwaki (farm pond) Shinike		Iwakishi City	2011/9/20	Rain	25.0	Dark brown	Earth	Clay-loamy	<30	450	520	<30	550	630	0.47	
127	Kodama Dam Reservoir (Kodamako Lake)		Iwakishi City	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to turbid water
128	Iwaki (farm pond) Kanoritsutsumishita		Iwakishi City	2011/9/27	Sunny	20.6	Brownish black	Earth	Loamy	<30	840	970	<30	330	380	0.29	
129	Takashiba Dam Reservoir (Takashibako Lake)		Iwakishi City	2011/9/27	Sunny	22.1	Brownish black	Earth	Loamy	<30	1,300	1,500	<30	110	150	0.26	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
130	Shitoki Dam Reservoir		Iwakishi City	2011/9/27	Sunny	22.2	Brownish black	Earth	Loamy	<30	710	840	<30	60	63	0.33	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

・ Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 1st Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Water quality												Remarks
No.	Water body	Point	Municipality					General items								Radioactive material concentrations (Bq/L)				
								Water temperature ℃	Sampling depth m	Color	Odor	Secchi disk depth m	Transparency	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137			
131	Surikamigawa Dam Reservoir		Fukushima City	2011/9/20	Rain	17.3	69.1	22.8	0.5	Dark green	None	3.8	5.2	<1	0.9	<1	<1	<1		
		1 m from the bottom						7.1	68.1		None		8.6	<1	1.3	<1	<1	<1		
132	Ken-poku (farm pond)	Handanuma Lake	Korimachi Town	2011/9/20	Rain	17.0	0.5	12.7	0	Greenish yellow-green	None	1.1	13.1	21	22	<1	2	3		
133	Ken-poku (farm pond)	Oike Pond	Motomiyashi City	2011/9/16	Sunny	23.3	0.55	26.4	0	Greenish brown	None	0.55 or more	6.6	7	4.8	<1	<1	<1		
134	Miharu Dam		Miharumachi Town	2011/9/20	Rain	15.5	26.5	23.0	0.5	Yellow-green	None	1.9	15.0	7	8.6	<1	<1	<1		
		1 m from the bottom						7.8	25.5		None		19.6	13	19	<1	<1	<1		
135	Kenchu (farm pond)	Hounokusa	Koriyama City	2011/9/17	Cloudy	26.4	0.9	27.5	0	Dark greenish yellow-green	None	0.9 or more	10.6	7	7.1	<1	<1	<1		
136	Hatoriko Lake		Tenemura Village	2011/9/30	Cloudy	17.7	17.6	18.0	0.5	Greenish brown	None	0.7	3.5	7	10	<1	<1	<1		
		1 m from the bottom						14.0	16.6		None		4.0	11	6	<1	<1	<1		
137	Kenchu (farm pond)	Hirodaira	Sukagawashi City	2011/9/21	Rain	17.0	0.6	20.9	0	Greenish brown	None	0.6 or more	14.0	9	13	<1	<1	<1		
138	Sengosawa Dam Reservoir		Ishikawamachi Town	2011/9/21	Rain	16.2	18.3	21.8	0.5	Dark greenish yellow-green	None	1.7	11.5	7	7.2	<1	<1	<1		
		1 m from the bottom						16.8	17.3		Putrescence		21.3	34	38	<1	<1	<1		
139	Ken-nan (farm pond)	Watarike Pond	Yabukimachi Town	2011/9/21	Rain	17.2	0.4	19.4	0	Greenish brown	None	0.4 or more	20.8	8	10	<1	<1	<1		
140	Ken-nan (farm pond)	Izumikawa River	Shirakawashi City	2011/9/28	Sunny	17.5	0.23	20.4	0	Yellow-green	None	0.23 or more	20.8	12	14	<1	<1	<1		
141	Hokkawa Dam		Nishigomura Village	2011/9/30	Cloudy	20.9	30.6	17.8	0.5	Strong yellow soil	None	0.65	4.2	16	26	<1	<1	<1		
		1 m from the bottom						14.3	29.6		None		4.5	19	30	<1	<1	<1		
142	Nanko Lake		Shirakawashi City	2011/9/30	Sunny	23.6	1.4	20.2	0	Greenish brown	None	1.4 or more	13.1	1	2.1	<1	<1	<1		

Note: Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 1st Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Sediment															Remarks			
No.	Water body	Point	Municipality					General items										Radioactive material concentrations (Bq/kg (dried mud))								
								Mud temperature ℃	Mud sampling depth cm	Color	Odor	Coarse gravel (More than 2mm)	Medium gravel (2 to 0.75mm)	Fine (Less than 0.75mm)	Coarse sand (More than 0.75mm)	Medium sand (0.75 to 0.25mm)	Fine sand (Less than 0.25mm)	Clay	Mud content %	Slipstick development	Property	Radioactive cesium Cs-134		Radioactive cesium Cs-137		
131	Surikamigawa Dam Reservoir		Fukushima City	2011/9/20	Rain	17.3	69.1	19.2		4	Olive brown	None			7.9	15.1	21.0	11.5	19.8	24.6	66.5	2,607	Sand with silt	<30	1,000	1,300
		1 m from the bottom																								
132	Ken-poku (farm pond)	Handanuma Lake	Korimachi Town	2011/9/20	Rain	17.0	0.5	10.9		5	Black	hydrogen sulfide				0.4	0.7	5.6	29.2	64.1	25.0	2,427	Silt with sand	<30	1,700	2,100
133	Ken-poku (farm pond)	Oike Pond	Motomiyashi City	2011/9/16	Sunny	23.3	0.55	25.1		10	Grayish olive	Earth		5.0	27.7	25.4	20.0	11.0	3.7	7.2	77.1	2,619	Sand with silt	<30	1,100	1,300
134	Miharu Dam		Miharumachi Town	2011/9/20	Rain	15.5	26.5	7.0		6	Blackish grayish yellow	None			0.3	0.3	2.8	3.4	26.1	67.1	33.8	2,626	Silt with sand	<30	36	33
		1 m from the bottom																								
135	Kenchu (farm pond)	Hounokusa	Koriyama City	2011/9/17	Cloudy	26.4	0.9	27.3		5	Olive black	None		2.4	9.4	28.8	32.9	12.6	4.3	9.6	78.5	2,726	Sand	<30	520	620
136	Hatoriko Lake		Tenemura Village	2011/9/30	Cloudy	17.7	17.6	10.0		5	Olive black	Metal						0.8	39.1	60.1	25.0	2,402	Silt	<30	960	1,100
		1 m from the bottom																								
137	Kenchu (farm pond)	Hirodaira	Sukagawashi City	2011/9/21	Rain	17.0	0.6	21.9		5	Olive black	Earth		2.0	7.5	12.2	21.6	13.1	18.3	25.3	60.8	2,645	Sand with silt	<30	150	140
138	Sengosawa Dam Reservoir		Ishikawamachi Town	2011/9/21	Rain	16.2	18.3	7.5		10	Olive black	Earth					0.2	6.2	62.7	30.9	25.4	2,428	Silt	<30	100	200
		1 m from the bottom																								
139	Ken-nan (farm pond)	Watarike Pond	Yabukimachi Town	2011/9/21	Rain	17.2	0.4	19.2		5	Blackish olive brown	None		6.5	5.4	10.3	20.1	13.3	19.0	25.4	65.5	2,622	Gravel/silt	<30	45	57
140	Ken-nan (farm pond)	Izumikawa River	Shirakawashi City	2011/9/28	Sunny	17.5	0.23	18.2		5	Brownish black	Faint night soil		1.6	5.0	7.1	25.2	25.7	15.3	20.1	42.9	2,555	Silt	<30	5,200	6,100
141	Hokkawa Dam		Nishigomura Village	2011/9/30	Cloudy	20.9	30.6	8.3		13	Brownish black	None					0.4	1.0	59.8	38.8	27.3	2,435	Silt	<30	920	1,000
		1 m from the bottom																								
142	Nanko Lake		Shirakawashi City	2011/9/30	Sunny	23.6	1.4	20.0		10	Olive black	Earth			0.1	0.2	4.6	5.8	59.9	29.4	16.7	2,181	Silt	<30	420	480

Note: Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 1st Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature/℃	Surrounding environment (soil/herb/air dose)										Remarks			
							Soil					Herb			Air dose (μSv/h)					
							General items			Radioactive material concentrations (Bq/kg (dry))			Concentration of radioactive material (Bq/kg(湿))							
No.	Water body	Point	Municipality				Color	Odor	Property	Radioactive iodine-131	Radioactive cesium Cs-134 Cs-137		Radioactive iodine	Radioactive cesium Cs-134 Cs-137						
131	Surikamigawa Dam Reservoir		Fukushima City	2011/9/20	Rain	17.3	Olive brown	None	Sandy	<30	520	670	<30	280	340	0.27				
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
132	Ken-poku (farm pond) Handanuma Lake		Korimachi Town	2011/9/20	Rain	17.0	Dark brown	None	Clay-loamy	<30	850	990	<30	<10	<10	0.58				
133	Ken-poku (farm pond) Oike Pond		Motomiyashi City	2011/9/16	Sunny	23.3	Grayish olive	Earth	Sandy	<30	420	480	<30	3,300	3,800	1.12				
134	Miharu Dam		Miharumachi Town	2011/9/20	Rain	15.5	Blackish olive brown	Faint earth	Loamy	<30	3,000	3,600	<30	<10	<10	0.36				
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
135	Kenchu (farm pond) Hounokusa		Koriyamashi City	2011/9/17	Cloudy	26.4	Dull yellowish brown	Faint earth	Clayey	<30	68	68	<30	530	610	0.34				
136	Hatoriko Lake		Tenemura Village	2011/9/30	Cloudy	17.7	Brownish black	Earth	Loamy	<30	1,500	1,800	—	—	—	0.21				
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
137	Kenchu (farm pond) Hirodaira		Sukagawashi City	2011/9/21	Rain	17.0	Brownish black	Earth	Sandy	<30	200	260	<30	450	520	0.26				
138	Sengosawa Dam Reservoir		Ishikawamachi Town	2011/9/21	Rain	16.2	Olive black	Earth	Sandy	<30	160	200	<30	93	100	0.24				
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
139	Ken-nan (farm pond) Watariike Pond		Yabukimachi Town	2011/9/21	Rain	17.2	Blackish olive brown	Earth	Loamy	<30	420	530	<30	16	20	0.30				
140	Ken-nan (farm pond) Izumikawa River		Shirakawashi City	2011/9/28	Sunny	17.5	Dark brown	None	Loamy	<30	3,300	3,900	<30	1,500	1,800	1.06				
141	Hokkawa Dam		Nishigomura Village	2011/9/30	Cloudy	20.9	Brown	Earth	Loamy	<30	10,000	12,000	<30	45	44	0.64				
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
142	Nanko Lake		Shirakawashi City	2011/9/30	Sunny	23.6	Brownish black	Earth	Clay-loamy	<30	980	1,100	<30	820	990	0.64				

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

・ Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 1st Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature/℃	Full depth m	Water quality											Remarks
No.	Water body	Point	Municipality					General items							Radioactive material concentrations (Bq/L)				
								Water temperature	Sampling depth m	Color	Odor	Secchi disk depth m	Electrical conductivity/μS/cm	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Cs-137	
143	Nicchu Dam		Kitakatashi City	2011/9/28	Clear	15.7	46.4	15.6	0.5	Grayish yellow green	None	0.7	7.2	14	16	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	7.2	45.4	—	Faint hydrogen sulfide	—	54.5	11	16	<1	<1	<1	
144	Soharako Lake		Kitashiobaramura Village	2011/9/29	Clear	17.1	6.6	18.7	0.5	Dark green	None	3.4	4.0	1	2.0	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	18.3	5.6	—	None	—	4.0	1	2.0	<1	<1	<1	
145	Hibarako Lake		Kitashiobaramura Village	2011/9/29	Clear	17.6	22.3	18.2	0.5	Dark green	None	3.6	6.3	2	2.1	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	10.0	21.3	—	None	—	6.1	6	13	<1	<1	<1	
146	Onogawako Lake		Kitashiobaramura Village	2011/10/4	Sunny	14.8	13.2	16.3	0.5	Greenish brown	None	2.4	6.7	1	3.2	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	13.4	12.2	—	Faint hydrogen sulfide	—	7.1	5	10	<1	<1	<1	
147	Akimoto Lake		Inawashiro-machi Town	2011/9/29	Clear	18.3	30.6	18.8	0.5	Greenish brown	None	3.2	5.6	2	2.3	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	8.8	29.6	—	None	—	5.0	3	3.5	<1	<1	<1	
148	Bishamonnuma Lake		Kitashiobaramura Village	2011/9/30	Cloudy	16.6	8.3	16.0	0.5	Yellow green	None	6	77.9	2	2.8	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	15.4	7.3	—	None	—	77.0	<1	1.5	<1	<1	<1	
149	Oguninuma Lake		Kitashiobaramura Village	2011/9/30	Cloudy	16.4	4.4	15.9	0.5	Brown	None	2.2	2.0	2	3.5	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	15.8	3.4	—	None	—	2.6	4	4.5	<1	<1	<1	
150	Aizu (farm pond) Onuma Lake		Nishiaizumachi Town	2011/9/20	Rain	19.2	0.5	21.9	0	Dark grayish yellow green	None	0.5 or more	9.2	7	4.4	<1	<1	<1	
151	Inawashiroko Lake		Aizuwakamatsushi City	2011/9/30	Cloudy, rain, cloudy	16.2	92.8	19.6	0.5	Dark blue	None	13.5	11.7	1	1.4	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	5.7	91.8	—	None	—	11.9	<1	0.9	<1	<1	<1	
152	Higashiyama Dam Reservoir		Aizuwakamatsushi City	2011/9/22	Cloudy	21.2	38.1	19.1	0.5	Greenish brown	None	1.7	4.9	4	3.6	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	6.7	37.1	—	None	—	6.0	4	4.1	<1	<1	<1	
153	Numazawako Lake		Kaneyamamachi Town	2011/9/27	Sunny	15.2	97.5	21.7	0.5	Dark blue	None	10.5	4.9	<1	0.3	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	4.7	96.5	—	None	—	8.8	4	9.2	<1	<1	<1	
154	Aizu (farm pond) Terairi		Aizumisatomachi Town	2011/9/20	Rain	21.6	0.6	21.2	0	Greenish brown	None	0.6 or more	6.8	4	8.6	<1	<1	<1	
155	Okawa Dam Reservoir		Aizuwakamatsushi City	2011/9/29	Clear	17.8	30.0	14.3	0.5	Yellow green	None	1.2	6.1	6	9.4	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	9.2	29.0	—	None	—	6.2	12	15	<1	<1	<1	
156	Tagokura Reservoir		Tadamimachi Town	2011/10/4	Cloudy	13.5	97.8	17.5	0.5	Grayish yellow green	None	1.4	3.7	5	5.4	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	11.5	96.8	—	None	—	3.3	30	51	<1	<1	<1	
157	Minamiaizu (farm pond) Fukui		Tadamimachi Town	2011/9/29	Clear	14.6	0.4	20.6	0	Golden	None	0.4 or more	2.9	22	18	<1	<1	<1	
158	Tajima Dam Reservoir (Funehanako Lake)		Minamiaizumachi Town	2011/9/27	Clear	16.4	11.4	14.4	0.5	Dark grayish yellow green	None	2.4	3.7	2	2.8	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	13.2	10.4	—	None	—	3.8	7	5.7	<1	<1	<1	
159	Okutadami Reservoir		Tadamimachi Town	2011/9/28	Clear	17.4	122.0	19.4	0.5	Dark green	None	5.8	4.2	1	1.3	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
160	Ozenuma Lake		Hinoemata-mura Village	2011/10/14	Clear	13.2	7.8	11.2	0.5	Greenish brown	None	2.5	3.6	3	5.2	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	11.0	6.8	—	None	—	4.4	4	5.3	<1	<1	<1	

Note: Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 1st Sediment Monitoring Results

Sampling point				Sampling date	Weather	Water temperature (°C)	Full depth m	Sediment																			Remarks
No.	Water body	Point	Municipality					General items															Radioactive material				
								Mechanical composition										Moist content (%)					Property				
				Mud temperature (°C)	Mud sampling depth (m)	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine	Silt	Clay	Mud content (%)	Set point (days/night)	Property	Radioactive cesium Cs-134	Radioactive cesium Cs-137							
143	Nicchu Dam		Kitakatashi City	2011/9/28	Clear	15.7	46.4	7.2	—	12	Olive black	Fast hydrogen sulfide	—	—	—	0.1	0.1	1.7	65.1	33.0	25.9	2.520	Silt	<30	98	200	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
144	Soharako Lake		Kitahachibara Village	2011/9/29	Clear	17.1	6.6	16.8	—	10	Grayish olive	Fast hydrogen sulfide	—	1.8	0.8	2.4	6.7	10.2	30.0	48.1	31.4	2.583	Silt with sand	<30	160	220	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
145	Hibarako Lake		Kitahachibara Village	2011/9/29	Clear	17.6	22.3	10.8	—	10	Olive black	None	—	—	—	—	—	0.4	28.6	71.0	19.1	2.455	Silt with sand	<30	220	410	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
146	Onogawako Lake		Kitahachibara Village	2011/10/4	Sunny	14.8	13.2	10.4	—	5	Brownish black	None	—	—	—	—	0.4	1.0	51.0	47.6	26.0	2.398	Silt	<30	110	160	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
147	Akimotoko Lake		Inawashiro-machi Town	2011/9/29	Clear	18.3	30.6	8.8	—	10	Olive black	Fast hydrogen sulfide	—	—	—	—	—	0.2	45.4	54.4	38.1	2.573	Silt with sand	<30	200	240	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
148	Bishamonnuma Lake		Kitahachibara Village	2011/9/30	Cloudy	16.6	8.3	15.6	—	10	Olive black	hydrogen sulfide	—	—	—	—	—	1.1	—	98.9	6.6	2.358	Silt with sand	<30	<100	150	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
149	Oguninuma Lake		Kitahachibara Village	2011/9/30	Cloudy	16.4	4.4	15.8	—	4	Brownish black	Faint metal	—	—	—	—	—	—	20.6	79.4	11.5	2.054	Silt	<30	550	780	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
150	Aizu (farm pond) Onuma Lake		Nishiazumachi Town	2011/9/20	Rain	19.2	0.5	20.4	—	7	Olive brown	None	—	12.2	2.9	3.9	13.0	22.2	18.7	27.1	58.7	2.512	Gravel/silt with sand	<30	19	42	
151	Inawashiroko Lake		Aizuwakamatsushi City	2011/9/30	Cloudy, rain, cloudy	16.2	92.8	5.4	10	Black	Fast hydrogen sulfide	—	—	—	—	—	—	1.5	41.8	56.7	18.5	2.474	Silt	<30	<10	<16	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
152	Higashiyama Dam Reservoir		Aizuwakamatsushi City	2011/9/22	Cloudy	21.2	38.1	6.8	10	Olive black	None	—	3.7	2.0	0.7	2.3	4.4	21.8	65.1	25.3	2.420	Silt	<30	57	100		
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
153	Numazawako Lake		Kanetsunomachi Town	2011/9/27	Sunny	15.2	97.5	5.0	13	Black	None	—	—	0.3	0.1	0.1	1.0	66.2	32.3	23.0	2.521	Silt	<30	<10	100		
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
154	Aizu (farm pond) Terairi		Aizuramatsunomachi Town	2011/9/20	Rain	21.6	0.6	21.2	3	Grayish olive	None	—	28.8	7.9	9.0	19.6	10.0	11.6	13.1	64.8	2.669	Gravel/silt with sand	<30	230	280		
155	Okawa Dam Reservoir		Aizuwakamatsushi City	2011/9/29	Clear	17.8	30.0	14.0	10	Olive black	Faint putrescence	—	—	—	0.5	0.3	0.6	1.6	54.8	42.2	28.9	2.471	Silt	<30	670	780	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
156	Tagokura Reservoir		Tadamimachi Town	2011/10/4	Cloudy	13.5	97.8	11.2	7	Dark olive	Fast hydrogen sulfide	—	—	—	0.3	0.1	0.1	0.2	66.7	32.6	29.5	2.527	Silt	<30	<13	90	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
157	Minamiaizu (farm pond) Fukui		Tadamimachi Town	2011/9/29	Clear	14.6	0.4	20.4	5	Olive brown	Faint seaweed	—	—	—	—	0.7	21.6	55.4	14.9	7.4	72.5	2.654	Sand	<30	<11	22	
158	Tajima Dam Reservoir (Funehanako Lake)		Minamiamatsunomachi Town	2011/9/27	Clear	16.4	11.4	11.2	12	Blackish olive brown	Faint putrescence	—	—	—	—	0.1	0.2	1.7	65.8	32.2	20.4	2.239	Silt	<30	180	230	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
159	Okutadami Reservoir		Tadamimachi Town	2011/9/28	Clear	17.4	122.0	7.4	10	Olive brown	None	—	—	—	—	—	0.1	0.5	66.7	32.7	32.4	2.502	Silt	<30	430	550	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
160	Ozenuma Lake		Hinoetsunomura Village	2011/10/14	Clear	13.2	7.8	10.2	10	Dark olive gray	Fast hydrogen sulfide	—	—	—	—	—	0.3	0.5	65.9	33.3	7.4	1.793	Silt	<30	<24	<85	
				See from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Note: Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 1st Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Surrounding environment (soil/herb/air dose)										Remarks
							Soil			Herb			Air dose (μSv/h)				
							General items			Radioactive material concentrations (Bq/kg)				Concentration of radioactive material			
No.	Water body	Point	Municipality				Color	Odor	Property	Radioactive iodine	Radioactive cesium Cs-134	Cs-137	Radioactive iodine	Radioactive cesium Cs-134	Cs-137		
143	Nicchu Dam		Kitakatashi City	2011/9/28	Clear	15.7	Dark brown	Earth	Loamy	<30	100	110	<30	<10	10	0.18	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
144	Soharako Lake		Kitashibaramura Village	2011/9/29	Clear	17.1	Brownish black	Faint earth	Loamy	<30	740	980	—	—	—	0.27	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
145	Hibarako Lake		Kitashibaramura Village	2011/9/29	Clear	17.6	Olive brown	Faint earth	Loamy	<30	450	530	—	—	—	0.24	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
146	Onogawako Lake		Kitashibaramura Village	2011/10/4	Sunny	14.8	Brownish black	Faint earth	Loamy	<30	200	270	—	—	—	0.19	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
147	Akimotoko Lake		Inawashiro-machi Town	2011/9/29	Clear	18.3	Brownish black	Faint green grass	Loamy	<30	280	320	—	—	—	0.21	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
148	Bishamonnuma Lake		Kitashibaramura Village	2011/9/30	Cloudy	16.6	Dark brown	Green grass	Clay-loamy	<30	2,100	2,400	—	—	—	0.24	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
149	Oguninuma Lake		Kitashibaramura Village	2011/9/30	Cloudy	16.4	Olive brown	Faint earth	Loamy	<30	300	430	—	—	—	0.22	*
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
150	Aizu (farm pond) Onuma Lake		Nishiazumachi Town	2011/9/20	Rain	19.2	Dark grayish yellow	None	Loamy	<30	62	72	<30	<10	<10	0.05	
151	Inawashiroko Lake		Aizuwakamatsushi City	2011/9/30	Cloudy, rain, cloudy	16.2	—	—	—	—	—	—	—	—	—	—	For the surrounding environment (soil/herb/air dose), see the survey results of bathing areas of Inawashiroko Lake
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
152	Higashiyama Dam Reservoir		Aizuwakamatsushi City	2011/9/22	Cloudy	21.2	Dark olive brown	Earth	Loamy	<30	270	370	<30	27	36	0.16	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
153	Numazawako Lake		Kaneyamamachi Town	2011/9/27	Sunny	15.2	Blackish olive brown	None	Loamy	<30	240	290	—	—	—	0.18	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
154	Aizu (farm pond) Terairi		Aizumistomachi Town	2011/9/20	Rain	21.6	Dark brown	None	Loamy	<30	200	220	<30	<10	<13	0.08	
155	Okawa Dam Reservoir		Aizuwakamatsushi City	2011/9/29	Clear	17.8	Black	Earth	Clay-loamy	<30	430	510	—	—	—	0.11	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
156	Tagokura Reservoir		Tadamimachi Town	2011/10/4	Cloudy	13.5	Dark brown	Faint earth	Clay-loamy	<30	90	120	—	—	—	0.06	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
157	Minamiaizu (farm pond) Fukui		Tadamimachi Town	2011/9/29	Clear	14.6	Dark brown	Faint earth	Loamy	<30	30	26	<30	<10	<10	0.25	*
158	Tajima Dam Reservoir (Funehanako Lake)		Minamiaizumachi Town	2011/9/27	Clear	16.4	Brownish black	Earth	Loamy	<30	110	120	<30	<10	<10	0.07	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
159	Okutadami Reservoir		Tadamimachi Town	2011/9/28	Clear	17.4	Brownish black	Earth	Loamy	<30	840	1,100	—	—	—	0.06	Surveys conducted at two locations
			—	—	—	—	Brownish black	Earth	Sandy	<30	37	47	—	—	—	0.09	for surrounding environment (soil/herb/air dose)
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
160	Ozenuma Lake		Hinoemataura Village	2011/10/14	Clear	13.2	Dull yellowish brown	None	Loamy	<30	710	1,000	—	—	—	0.20	*
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: * Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

• Sampling points are listed from north to south.

Coast and Bathing Area: 1st Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Water quality										Remarks			
No.	Water body	Point	Municipality					Water temperature	Sampling depth m	Color	Odor	Secchi disk depth m	Salinity	SS mg/L	Turbidity	Radioactive iodine	Radioactive cesium Cs-134		Cs-137		
161	Seaside area	Neighboring sea area of Soso Approx. 2,000 m offshore of Tsurushihama Fishing Port	—	2011/10/4	Sunny	14.4	14.8	19.6	0.5	Dark grayish yellow green	None	3.5	30.5	1	2.0	<1	<1	<1			
		1 m from the bottom	—	—	—	—	—	19.8	13.8	—	—	—	33.4	2	1.7	<1	<1	<1			
162		Matsukawaura sea area	Around center of Fishing Right Area-1	—	2011/10/4	Sunny	17.6	1.7	20.3	0.5	Yellow green	None	1.7 or more	30.7	4	1.9	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	20.2	0.7	—	—	—	30.7	4	2.0	<1	<1	<1			
163		Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	—	2011/10/4	Sunny	14.6	19.9	19.6	0.5	Yellow green	None	6.8	30.6	1	0.2	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	20.0	18.9	—	—	—	33.2	2	1.3	<1	<1	<1			
164		Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Niidagawa River	—	2011/10/4	Sunny	14.6	11.8	20.0	0.5	Yellow green	None	8.5	30.9	1	<0.1	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	20.0	10.8	—	—	—	31.5	1	0.1	<1	<1	<1			
165		Approx. 1,000 m offshore of Asamigawa River Estuary	—	—	2011/10/5	Cloudy	18.4	10.8	19.4	0.5	Dark green	None	10.8 or more	33.1	<1	0.3	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	19.4	9.8	—	—	—	33.1	1	0.5	<1	<1	<1			
166	Seaside area	Approx. 1,000 m offshore of Ohisagawa River Estuary	—	2011/10/5	Cloudy	18.2	10.8	19.6	0.5	Dark green	None	10.4	33.1	<1	0.1	<1	<1	<1			
		1 m from the bottom	—	—	—	—	—	19.4	9.8	—	—	—	33.1	2	0.8	<1	<1	<1			
167	Seaside area	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsuigawa River	—	2011/10/5	Rain	17.8	17.2	19.4	0.5	Dark green	None	11.5	33.0	<1	0.2	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	19.3	16.2	—	—	—	33.2	<1	0.3	<1	<1	<1			
168		Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	—	2011/10/5	Cloudy	17.2	16.4	19.2	0.5	Dark green	None	5.4	31.5	1	1.1	<1	<1	<1		
	1 m from the bottom	—	—	—	—	—	19.6	15.4	—	—	—	33.1	1	1.6	<1	<1	<1	<1			
169	Seaside area	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	—	2011/10/5	Cloudy	17.4	17.6	19.4	0.5	Dark green	None	7.2	32.4	<1	0.5	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	19.4	16.6	—	—	—	32.7	<1	0.6	<1	<1	<1			
170	Tsurushihama Fishing Port	Tsurushihama Beach	Shinchimachi	2011/9/19	Rain	18.0	0.8	20.2	0.0	Grayish yellow green	None	—	—	30	16	<1	<1	<1			
171	Somakowan Bay	Haragama/Obama	Somashi City	2011/9/28	Sunny	20.5	1.0	21.2	0.0	Dark green	None	—	—	13	3.6	<1	<1	<1			
172	Kitaizumichikukaigan Seashore	Kitaizumi	Minamisomashi City	2011/9/16	Sunny	19.0	0.5	24.6	0.0	Dark green	None	—	—	8	3.1	<1	<1	<1	<1		
173	Hattachikaigan Seashore	Hisanohama Beach/Hattachi	Iwakishi City	2011/9/16	Sunny	24.8	0.4	21.8	0.0	Dark green	None	—	—	26	8.9	<1	<1	<1	<1		
174	Yotsukurakaigan Seashore	Yotsukura	Iwakishi City	2011/9/16	Sunny	29.8	0.4	23.6	0.0	Dark green	None	—	—	7	3.5	<1	<1	<1	<1		
175	Natsuikaigan Seashore	Shinmaiko Beach	Iwakishi City	2011/9/27	Sunny	21.4	0.4	20.4	0.0	Dark grayish yellow green	None	—	—	32	14	<1	<1	<1	<1		
176	Beach area	Usuisokaigan Seashore	Usuiso	Iwakishi City	2011/9/27	Cloudy	19.5	0.5	20.0	0.0	Grayish yellow green	None	—	—	8	4.1	<1	<1	<1	<1	
		Toyomakaigan Seashore	Toyoma	Iwakishi City	2011/9/28	Cloudy	21.4	0.5	20.3	0.0	Dark green	None	—	—	9	3.8	<1	<1	<1	<1	
177		Nagasakikaigan Seashore	Nagasaki	Iwakishi City	2011/9/28	Cloudy	23.1	0.5	20.6	0.0	Dark green	None	—	—	13	6.5	<1	<1	<1	<1	
178		Obamakaigan Seashore	Obama	Iwakishi City	2011/9/28	Sunny	25.4	0.5	21.2	0.0	Dark grayish yellow green	None	—	—	100	68	<1	<1	<1	<1	
179		Nakosokaigan Seashore	Nakoso	Iwakishi City	2011/9/28	Sunny	24.5	0.5	21.2	0.0	Dark green	None	—	—	8	3.9	<1	<1	<1	<1	
180		Inland lake	Inawashiroko Lake	Nagahama Beach	Inawashiromachi Town	2011/9/29	Clear	24.1	0.4	22.5	0.0	Colorless transparent	None	—	—	2	0.6	<1	<1	<1	<1
181			Inawashiroko Lake	Tenjinham Beach	Inawashiromachi Town	2011/9/29	Clear	23.4	0.3	22.8	0.0	Colorless transparent	None	—	—	1	0.6	<1	<1	<1	<1
182			Inawashiroko Lake	Shidahama Beach	Inawashiromachi Town	2011/9/29	Clear	23.3	0.4	22.0	0.0	Colorless transparent	None	—	—	2	1.3	<1	<1	<1	<1
183			Inawashiroko Lake	Jokohama Beach	Inawashiromachi Town	2011/9/29	Clear	23.0	0.4	21.2	0.0	Colorless transparent	None	—	—	<1	0.5	<1	<1	<1	<1
184		Inland lake	Inawashiroko Lake	Hamajihama Beach	Koriyamashi City	2011/9/29	Clear	22.6	0.3	20.3	0.0	Colorless transparent	None	—	—	1	1.0	<1	<1	<1	<1
185	Inawashiroko Lake		Yokozawahama Beach	Koriyamashi City	2011/9/29	Clear	18.1	0.4	13.2	0.0	Colorless transparent	None	—	—	2	2.2	<1	<1	<1	<1	
186	Inawashiroko Lake		Tatehama Beach	Koriyamashi City	2011/9/29	Clear	17.7	0.4	19.1	0.0	Colorless transparent	None	—	—	1	1.3	<1	<1	<1	<1	
187	Inawashiroko Lake		Funatsuhama Beach	Koriyamashi City	2011/9/29	Clear	14.4	1.0	18.3	0.0	Colorless transparent	None	—	—	2	0.7	<1	<1	<1	<1	
188	Inland lake	Inawashiroko Lake	Funatsukoen Park	Koriyamashi City	2011/9/29	Cloudy	13.6	1.0	18.2	0.0	Colorless transparent	None	—	—	1	0.1	<1	<1	<1	<1	
189		Inawashiroko Lake	Seishogahama Beach	Koriyamashi City	2011/9/29	Clear	16.9	1.0	19.3	0.0	Colorless transparent	None	—	—	1	0.3	<1	<1	<1	<1	
190		Inawashiroko Lake	Akiyamahama Beach	Koriyamashi City	2011/9/29	Clear	18.4	0.5	20.1	0.0	Colorless transparent	None	—	—	1	0.7	<1	<1	<1	<1	
191		Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsushi City	2011/9/29	Clear	19.8	0.7	20.4	0.0	Colorless transparent	None	—	—	<1	0.1	<1	<1	<1	<1	
192	Inland lake	Inawashiroko Lake	Nakatahama Beach	Aizuwakamatsushi City	2011/9/29	Clear	24.6	1.0	20.1	0.0	Colorless transparent	None	—	—	1	<0.1	<1	<1	<1	<1	
193		Inawashiroko Lake	Koishigahama Beach	Aizuwakamatsushi City	2011/9/29	Clear	20.7	0.7	22.0	0.0	Colorless transparent	None	—	—	<1	<0.1	<1	<1	<1	<1	
194																					

Note: Sampling points are listed from north to south.

Coast and Bathing Area: 1st Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Sediment																	Remarks			
No.	Water body	Point	Municipality					General items																				
								Mud temperature	Moisture content (%)	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Moist content (%)	Soil particle	Property	Radioactive material Radioactive iodine (Bq/g)	Radioactive cesium Cs-134		Cs-137		
161	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	—	2011/10/4	Sunny	14.4	14.8	19.6	—	2	Olive black	None	—	—	—	0.1	1.9	91.3	4.4	2.1	79.1	2.657	Sand	<30	17	18		
162	Matsukawaura sea area	1 m from the bottom	—	2011/10/4	Sunny	17.6	1.7	19.9	—	3	Olive black	None	—	—	0.4	2.0	20.8	51.9	16.7	8.2	73.6	2.644	Sand with silt	<30	42	52		
		Around center of Fishing Right Area-1	—	2011/10/4	Sunny	17.6	1.7	19.9	—	3	Olive black	None	—	—	0.4	2.0	20.8	51.9	16.7	8.2	73.6	2.644	Sand with silt	<30	42	52		
		1 m from the bottom	—	2011/10/4	Sunny	17.6	1.7	19.9	—	3	Olive black	None	—	—	0.4	2.0	20.8	51.9	16.7	8.2	73.6	2.644	Sand with silt	<30	42	52		
163	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	—	2011/10/4	Sunny	14.6	19.9	19.6	—	2	Olive brown	None	—	—	—	0.1	15.3	76.2	5.9	2.5	79.9	2.646	Sand	<30	34	47		
164	Neighboring sea area of Haramachi City	1 m from the bottom	—	2011/10/4	Sunny	14.6	11.8	20.4	—	1	Olive brown	None	—	—	—	0.1	17.0	76.5	4.6	1.8	81.9	2.650	Sand	<30	82	95		
		Approx. 1,000 m offshore of Asamigawa River Estuary	—	2011/10/5	Cloudy	18.4	10.8	19.4	—	1	Dark olive	None	—	—	—	1.2	91.6	4.9	2.3	80.8	2.644	Sand	<30	330	400			
		1 m from the bottom	—	2011/10/5	Cloudy	18.2	10.8	19.4	—	1	Dark olive	None	—	—	—	0.1	0.6	93.6	3.7	2.0	82.0	2.677	Sand	<30	220	300		
166	Approx. 1,000 m offshore of Ohisagawa River Estuary	1 m from the bottom	—	2011/10/5	Cloudy	18.2	10.8	19.4	—	1	Dark olive	None	—	—	—	0.1	0.6	93.6	3.7	2.0	82.0	2.677	Sand	<30	220	300		
		1 m from the bottom	—	2011/10/5	Cloudy	18.2	10.8	19.4	—	1	Dark olive	None	—	—	—	0.1	0.6	93.6	3.7	2.0	82.0	2.677	Sand	<30	220	300		
		1 m from the bottom	—	2011/10/5	Cloudy	18.2	10.8	19.4	—	1	Dark olive	None	—	—	—	0.1	0.6	93.6	3.7	2.0	82.0	2.677	Sand	<30	220	300		
167	Neighboring sea area of Iwakushi City	Approx. 1,500 m offshore of Natugawa River	—	2011/10/5	Rain	17.8	17.2	19.4	—	1	Dark olive	None	—	—	—	0.1	0.8	96.7	—	2.4	81.2	2.661	Sand	<30	260	330		
168	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	—	2011/10/5	Cloudy	17.2	16.4	19.6	—	3	Olive black	hydroge	—	—	—	0.1	1.9	55.7	28.2	14.1	57.7	2.585	Silt with sand	<30	170	210		
		1 m from the bottom	—	2011/10/5	Cloudy	17.2	16.4	19.6	—	3	Olive black	hydroge	—	—	—	0.1	1.9	55.7	28.2	14.1	57.7	2.585	Silt with sand	<30	170	210		
		1 m from the bottom	—	2011/10/5	Cloudy	17.2	16.4	19.6	—	3	Olive black	hydroge	—	—	—	0.1	1.9	55.7	28.2	14.1	57.7	2.585	Silt with sand	<30	170	210		
169	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	—	2011/10/5	Cloudy	17.4	17.6	19.5	—	2	Olive black	None	—	—	—	0.2	4.3	78.6	11.5	5.4	75.4	2.647	Sand	<30	370	430		
170	Tsurushihama Fishing Port	Tsurushihama Beach	Shinchimachi Town	2011/9/19	Rain	18.0	0.8	20.0	10	Dark grayish yellow	None	—	—	—	0.1	2.0	67.7	29.8	—	0.4	93.1	2.778	Sand	<30	12	16		
		Somakowan Bay	Haragama/Obama	Somashi City	2011/9/28	Sunny	20.5	1.0	21.8	5	Olive brown	None	—	0.5	—	0.1	1.4	26.0	70.6	—	1.4	82.7	2.670	Sand	<30	18	13	
		Kitazumichikukaigan Seashore	Kitazumi	Minamisomashi City	2011/9/16	Sunny	19.0	0.5	24.5	10	Brownish black	None	—	—	—	1.0	27.6	69.7	—	1.7	81.5	2.680	Sand	<30	35	39		
173	Hattachikaigan Seashore	Hisanohama Beach/Hattachi	Iwakishi City	2011/9/16	Sunny	24.8	0.4	23.2	10	Brownish black	None	—	10.7	87.8	1.0	0.0	0.1	—	0.4	97.9	2.645	Sand	<30	120	140			
174	Yotsukurakaigan Seashore	Yotsukura	Iwakishi City	2011/9/16	Sunny	29.8	0.4	24.3	10	Olive brown	None	—	—	—	0.1	1.2	39.8	57.9	—	1.0	83.3	2.641	Sand	<30	160	190		
175	Natsukaigan Seashore	Shinmaiko Beach	Iwakishi City	2011/9/27	Sunny	21.4	0.4	22.0	15	Grayish yellow brown	None	—	3.7	13.4	31.3	37.0	13.1	—	1.5	89.7	2.645	Sand with gravel	<30	38	43			
		Ususokaigan Seashore	Usuiso	Iwakishi City	2011/9/27	Cloudy	19.5	0.5	19.8	10	Olive black	None	—	—	—	0.1	0.2	11.4	86.6	—	1.7	84.7	2.662	Sand	<30	78	110	
		Tovomakaigan Seashore	Tovoma	Iwakishi City	2011/9/28	Cloudy	21.4	0.5	19.0	15	Gravish olive	None	—	—	—	0.1	9.2	42.1	47.6	—	1.0	83.4	2.689	Sand	<30	93	95	
178	Nagasakikaigan Seashore	Nagasaki	Iwakishi City	2011/9/28	Cloudy	23.1	0.5	20.4	15	Olive black	None	—	—	—	0.1	0.7	8.7	89.2	—	1.3	83.3	2.683	Sand	<30	110	110		
179	Obamakagaigan Seashore	Obama	Iwakishi City	2011/9/28	Sunny	25.4	0.5	21.6	10	Olive black	None	—	7.7	12.7	26.0	39.7	13.4	—	0.5	89.5	2.653	Sand with gravel	<30	29	36			
		Nakosokaigan Seashore	Nakoso	Iwakishi City	2011/9/28	Sunny	24.5	0.5	22.4	15	Gravish olive	None	—	—	—	—	—	33.6	65.1	—	1.3	82.6	2.637	Sand	<30	50	83	
		Inawashiroko Lake	Nagahama Beach	Inawashiro-machi Town	2011/9/29	Clear	24.1	0.4	21.2	5	Dark brown	None	—	0.5	15.9	51.6	23.9	6.7	—	1.4	78.4	2.583	Sand	<30	22	37		
182	Inawashiroko Lake	Tenjinhamma Beach	Inawashiro-machi Town	2011/9/29	Clear	23.4	0.3	23.2	5	Brownish black	None	—	—	1.0	0.4	1.1	69.7	26.7	—	1.1	82.1	2.994	Sand	<30	69	83		
183	Inawashiroko Lake	Shidahama Beach	Inawashiro-machi Town	2011/9/29	Clear	23.3	0.4	20.5	5	Very dark brown	None	—	5.4	10.0	32.6	30.8	0.4	—	0.8	81.5	2.698	Sand with gravel	<30	36	56			
		Inawashiroko Lake	Jokohama Beach	Inawashiro-machi Town	2011/9/29	Clear	23.0	0.4	20.6	5	Dark brown	None	—	7.8	26.2	36.5	27.1	2.3	—	0.1	84.4	2.640	Sand with gravel	<30	65	75		
		Inawashiroko Lake	Hamaajihama Beach	Koriyamashi City	2011/9/29	Clear	22.6	0.3	19.2	5	Dark olive brown	None	—	—	—	—	9.5	90.3	—	0.2	77.9	2.658	Sand	<30	20	28		
186	Inawashiroko Lake	Yokozawahama Beach	Koriyamashi City	2011/9/29	Clear	18.1	0.4	15.1	5	Dark brown	None	—	0.5	1.7	16.5	74.2	5.4	—	1.7	82.6	2.654	Sand with gravel	<30	<10	<10			
		Inawashiroko Lake	Tatehama Beach	Koriyamashi City	2011/9/29	Clear	17.7	0.4	18.7	5	Dark brown	None	—	10.6	10.2	13.0	9.5	56.6	—	0.1	77.7	2.647	Sand with gravel	<30	63	100		
		Inawashiroko Lake	Funatsuhama Beach	Koriyamashi City	2011/9/29	Clear	14.4	1.0	18.6	10	Gravish olive	Earth	—	0.4	2.8	3.5	44.4	47.0	—	1.9	77.2	2.644	Sand	<30	120	170		
189	Inawashiroko Lake	Funatsukoen Park	Koriyamashi City	2011/9/29	Cloudy	13.6	1.0	18.3	5	Olive brown	Faint	—	4.8	6.9	14.0	69.0	4.9	—	0.4	84.2	2.664	Sand with gravel	<30	85	110			
		Inawashiroko Lake	Seishogahama Beach	Koriyamashi City	2011/9/29	Clear	16.9	1.0	19.2	5	Olive brown	Faint	—	5.5	9.0	15.5	51.7	17.2	—	1.1	79.5	2.640	Sand with gravel	<30	93	110		
		Inawashiroko Lake	Akiyamahama Beach	Koriyamashi City	2011/9/29	Clear	18.4	0.5	20.2	10	Dark olive brown	Earth	—	0.7	2.2	6.5	34.6	44.6	—	5.7	76.1	2.823	Sand with silt	<30	39	54		
192	Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsushi City	2011/9/29	Clear	19.8	0.7	20.5	10	Dark brown	None	—	—	0.1	1.3	59.8	36.3	—	2.5	79.8	2.695	Sand	<30	56	68			
193	Inawashiroko Lake	Nakatagama Beach	Aizuwakamatsushi City	2011/9/29	Clear	24.6	1.0	21.2	12	Brown	Faint	—	2.3	10.2	66.6	15.8	3.0	—	2.1	83.0	2.747	Sand	<30	10	18			
194	Inawashiroko Lake	Koishigahama Beach	Aizuwakamatsushi City	2011/9/29	Clear	20.7	0.7	21.6	12	Brown	None	—	—	—	—	12.6	87.3	—	0.1	76.7	2.674	Sand	<30	61	89			

Note: Sampling points are listed from north to south.

Coast and Bathing Area: 1st Surrounding Environment (Beach) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature/℃	Surrounding environment (soil/herb/air dose)										Remarks
No.	Water body	Point	Municipality				Soil			Herb			Air dose (μSv/h)				
							General items			Radioactive material concentrations				Concentration of radioactive material			
				Color	Odor	Property	Radioactive e iodine	Radioactive cesium Cs-134	Cs-137	Radioactive e iodine	Radioactive cesium Cs-134	Cs-137					
161	Sea area as	Neighboring sea area of Soso	Approx. 2,000 m offshore	—	2011/10/4	Sunny	14.4	—	—	—	—	—	—	—			
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—			
162		Matsukawaura sea area	Around center of Fishing Right Area-1	—	2011/10/4	Sunny	17.6	—	—	—	—	—	—	—			
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—			
163		Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	—	2011/10/4	Sunny	14.6	—	—	—	—	—	—	—			
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—			
164		Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Nidagawa River	—	2011/10/4	Sunny	14.6	—	—	—	—	—	—	—			
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—			
165		Approx. 1,000 m offshore of Asamigawa River Estuary	1 m from the bottom	—	2011/10/5	Cloudy	18.4	—	—	—	—	—	—	—			
166		Approx. 1,000 m offshore of Ohsagawa River Estuary	1 m from the bottom	—	2011/10/5	Cloudy	18.2	—	—	—	—	—	—	—			
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—			
167		Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugaiga River	—	2011/10/5	Rain	17.8	—	—	—	—	—	—	—			
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—			
168		Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	—	2011/10/5	Cloudy	17.2	—	—	—	—	—	—	—			
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—			
169		Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	—	2011/10/5	Cloudy	17.4	—	—	—	—	—	—	—			
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—			
170		Bat hin g are as	Tsurushihamas Fishing Port	Tsurushihamas Beach	Shinchimachi Town	2011/9/19	Rain	18.0	Olive brown	None	Sandy	<30	23	33	—	0.10	
171			Somakowan Bay	Haragama/Obama	Somashi City	2011/9/28	Sunny	20.5	Grayish yellow	None	Sandy	<30	32	46	<30	15	18
172	Kitazumichikukaigan Seashore		Kitazumi	Minamisomashi City	2011/9/16	Sunny	19.0	Light gray	None	Sandy	<30	25	34	—	—	—	0.07
173	Hattachikaigan Seashore		Hisanohama Beach/Hattachi	Iwakishi City	2011/9/16	Sunny	24.8	Grayish yellow brown	None	Sandy	<30	86	110	—	—	—	0.18
174	Yotsukurakaigan Seashore		Yotsukura	Iwakishi City	2011/9/16	Sunny	29.8	Light gray	None	Sandy	<30	87	100	<30	50	70	0.13
175	Natsukaigan Seashore		Shinmaiko Beach	Iwakishi City	2011/9/27	Sunny	21.4	Dull yellow orange	None	Sandy	<30	37	67	—	—	—	0.12
176	Ususokaigan Seashore		Usuiso	Iwakishi City	2011/9/27	Cloudy	19.5	Olive black	None	Sandy	<30	95	96	—	—	—	0.29
177	Toyomakaigan Seashore		Toyoma	Iwakishi City	2011/9/28	Cloudy	21.4	Gray	None	Sandy	<30	51	58	—	—	—	0.11
178	Nagasakikaigan Seashore		Nagasaki	Iwakishi City	2011/9/28	Cloudy	23.1	Grayish olive	None	Sandy	<30	100	120	—	—	—	0.13
179	Obamakaigan Seashore		Obama	Iwakishi City	2011/9/28	Sunny	25.4	Grayish olive	None	Sandy	<30	140	180	—	—	—	0.10
180	Nakosokaigan Seashore		Nakoso	Iwakishi City	2011/9/28	Sunny	24.5	Gray	None	Sandy	<30	140	160	<30	36	55	0.15
181	Inawashiroko Lake		Nagahama Beach	Inawashiroomachi Town	2011/9/29	Clear	24.1	Dark brown	Earth	Sandy	<30	270	300	<30	39	49	0.12
182	Inawashiroko Lake		Tenjinhamas Beach	Inawashiroomachi Town	2011/9/29	Clear	23.4	Dark brown	Earth	Sandy	<30	39	52	<30	12	19	0.07
183	Inawashiroko Lake		Shidahama Beach	Inawashiroomachi Town	2011/9/29	Clear	23.3	Brownish black	Earth	Sandy	<30	130	170	<30	30	38	0.08
184	Inawashiroko Lake		Jokohama Beach	Inawashiroomachi Town	2011/9/29	Clear	23.0	Brownish black	Earth	Sandy	<30	180	230	<30	72	100	0.12
185	Inawashiroko Lake		Hamajihama Beach	Koriyamashi City	2011/9/29	Clear	22.6	Dark brown	Earth	Sandy	<30	100	100	<30	11	12	0.07
186	Inawashiroko Lake		Yokozawahama Beach	Koriyamashi City	2011/9/29	Clear	18.1	Dark brown	Earth	Sandy	<30	59	83	<30	22	20	0.07
187	Inawashiroko Lake		Tatehama Beach	Koriyamashi City	2011/9/29	Clear	17.7	Dark grayish yellow	None	Sandy	<30	140	200	<30	17	27	0.07
188	Inawashiroko Lake		Funatsuhamas Beach	Koriyamashi City	2011/9/29	Clear	14.4	Olive brown	None	Sandy	<30	31	50	<30	91	110	0.07
189	Inawashiroko Lake	Funatsukoen Park	Koriyamashi City	2011/9/29	Cloudy	13.6	Olive brown	None	Sandy	<30	77	97	<30	59	69	0.09	
190	Inawashiroko Lake	Seishogahama Beach	Koriyamashi City	2011/9/29	Clear	16.9	Brown	Faint green grass	Sandy	<30	64	79	<30	26	25	0.08	
191	Inawashiroko Lake	Akiyamahama Beach	Koriyamashi City	2011/9/29	Clear	18.4	Olive brown	None	Sandy	<30	35	60	<30	<10	<10	0.07	
192	Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsushichi City	2011/9/29	Clear	19.8	Brown	None	Sandy	<30	80	100	<30	50	66	0.07	
193	Inawashiroko Lake	Nakatadahama Beach	Aizuwakamatsushichi City	2011/9/29	Clear	24.6	Dull yellowish brown	None	Sandy	<30	53	62	<30	41	60	0.07	
194	Inawashiroko Lake	Koishigahama Beach	Aizuwakamatsushichi City	2011/9/29	Clear	20.7	Yellowish brown	Faint earth	Sandy	<30	86	120	<30	790	870	0.10	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

・ Sampling points are listed from north to south.

River (Hamadori Area): 2nd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Water quality												Remarks
No.	Water body	Point	Municipality					General items								Radioactive material concentrations				
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity	SS mg/L	Turbidity	Radioactive iodine ⁽¹⁾	Radioactive cesium Cs-134	Cs-137		
1	Jizogawa River	Hamahatabashi Bridge	Shiohatchi Town	2011/1/23	Cloudy	10.6	3.70	13.1	0.0	Dark green	None	100 or more	4260.0	2	3.4	<1	<1	<1		
2	Koizumigawa River	Koizumbashi Bridge	Somashi City	2011/1/24	Sunny	11.9	0.50	11.8	0.0	Colorless transparent	None	100 or more	26.2	2	3.8	<1	<1	<1		
3	Koizumigawa River	Hyakkenbashi Bridge	Somashi City	2011/1/28	Cloudy	12.0	1.20	9.8	0.0	Dark green	None	100 or more	2820.0	3	4.3	<1	<1	<1		
4	Udagawa River	Horisakabashi Bridge	Somashi City	2011/1/24	Sunny	13.5	0.60	9.0	0.0	Colorless transparent	None	100 or more	10.2	<1	1.0	<1	<1	<1		
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2011/1/28	Cloudy	14.0	1.00	8.6	0.0	Dark gray yellow green	None	100 or more	230.0	<1	1.0	<1	<1	<1		
6	Manogawa River	Ochiaibashi Bridge	Minamimomashi City	2011/1/29	Sunny	10.2	2.15	12.1	0.0	Dark green	None	100 or more	13.2	2	1.9	<1	<1	<1		
7	Manogawa River	Majimabashi Bridge	Minamimomashi City	2011/1/29	Sunny	13.6	2.52	12.1	0.0	Dark green	None	100 or more	2660.0	2	4.0	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
8	Nidagawa River	Kusano	Hitatemura Village	2011/1/25	Snow	4.5	0.70	5.8	0.0	Colorless transparent	None	100 or more	8.5	1	1.6	<1	<1	<1	Deliberate evacuation areas	
9	Nidagawa River	Komiya	Hitatemura Village	2011/1/25	Snow	3.4	0.70	5.8	0.0	Colorless transparent	None	100 or more	8.5	1	1.6	<1	<1	<1	Deliberate evacuation areas	
10	Nidagawa River	Kidouchibashi Bridge	Minamimomashi City	2011/1/29	Sunny	12.8	1.38	8.9	0.0	Colorless transparent	None	100 or more	7.7	<1	1.1	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
11	Nidagawa River	Sakekawabashi Bridge	Minamimomashi City	2011/1/29	Sunny	12.0	1.63	11.3	0.0	Dark green	None	100 or more	139.5	1	1.6	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
12	Otagawa River	Ishiwatadobashi Bridge	Minamimomashi City	2011/1/28	Cloudy	13.4	0.50	10.3	0.0	Colorless transparent	None	100 or more	6.0	<1	0.8	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
13	Otagawa River	Kaminouchihashi Bridge	Minamimomashi City	2011/1/29	Sunny	13.2	0.30	11.1	0.0	Colorless transparent	None	100 or more	6.0	1	1.2	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
14	Otagawa River	Masudabashi Bridge	Minamimomashi City	2011/1/29	Sunny	9.2	0.48	11.8	0.0	Colorless transparent	None	100 or more	9.3	1	1.1	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
15	Otagawa River	JR Tetsudobashi Bridge	Minamimomashi City	2011/1/29	Sunny	11.2	0.30	11.4	0.0	Colorless transparent	None	100 or more	8.9	2	2.0	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
16	Otagawa River	Maruyamabashi Bridge	Minamimomashi City	2011/1/21	Sunny	10.4	0.20	13.8	0.0	Dark gray yellow green	None	26	4220.0	28	18	<1	<1	<1	Restricted areas	
17	Odakagawa River	Zenchobashi Bridge	Minamimomashi City	2011/1/21	Cloudy	8.5	0.45	10.6	0.0	Colorless transparent	None	100 or more	13.5	3	4.3	<1	<1	<1	Restricted areas	
18	Odakagawa River	Hatsukarabashi Bridge	Minamimomashi City	2011/1/21	Cloudy	9.6	1.20	14.3	0.0	Dark gray yellow green	None	100 or more	4990.0	10	6.3	<1	<1	<1	Restricted areas	
19	Ukedogawa River	Muroharabashi Bridge	Nametsuchi Town	2011/1/21	Cloudy	9.6	0.55	10.0	0.0	Colorless transparent	None	100 or more	6.6	1	2.9	<1	<1	<1	Restricted areas	
20	Ukedogawa River	Ukedobashi Bridge	Nametsuchi Town	2011/1/21	Sunny	12.9	0.30	10.8	0.0	Dark green	None	100 or more	8.8	2	2.8	<1	<1	<1	Restricted areas	
21	Takasegawa River	Keibashi Bridge	Nametsuchi Town	2011/1/21	Sunny	10.0	0.20	11.0	0.0	Colorless transparent	None	100 or more	7.6	3	2.6	<1	<1	<1	Restricted areas	
22	Maedagawa River	National Route 6, west	Futatabimachi Town	2011/1/21	Cloudy	11.2	0.45	11.2	0.0	Dark gray yellow green	None	100 or more	13.0	4	5.5	<1	<1	<1	Restricted areas	
23	Maedagawa River	Nakahamabashi Bridge	Nametsuchi Town	2011/1/21	Cloudy	9.8	1.10	11.2	0.0	Dark gray yellow green	None	100 or more	56.3	4	7.0	<1	<1	<1	Restricted areas	
24	Kumagawa River	National Route 6, west	Okumamachi Town	2011/1/21	Sunny	9.2	0.25	10.6	0.0	Colorless transparent	None	100 or more	8.1	1	1.5	<1	<1	<1	Restricted areas	
25	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2011/1/21	Sunny	10.2	0.33	11.2	0.0	Colorless transparent	None	100 or more	11.6	1	2.8	<1	<1	<1	Restricted areas	
26	Tomiokagawa River	National Route 6, west	Tomiokamachi Town	2011/1/21	Sunny	9.8	0.28	11.5	0.0	Colorless transparent	None	100 or more	8.2	1	2.0	<1	<1	<1	Restricted areas	
27	Tomiokagawa River	Kobamabashi Bridge	Tomiokamachi Town	2011/1/21	Sunny	10.3	0.31	11.2	0.0	Colorless transparent	None	100 or more	9.6	3	3.3	<1	<1	<1	Restricted areas	
28	Idegawa River	Motogamabashi Bridge	Narabamachi Town	2011/1/21	Sunny	10.0	0.20	10.7	0.0	Colorless transparent	None	100 or more	14.0	<1	0.7	<1	<1	<1	Restricted areas	
29	Kidogawa River	Nishiyamabashi Bridge	Kawachimura Village	2011/1/17	Sunny	9.2	0.50	8.8	0.0	Colorless transparent	None	100 or more	6.1	2	1.2	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
30	Kidogawa River	Nagatorobashi Bridge	Narabamachi Town	2011/1/21	Sunny	11.4	0.32	11.1	0.0	Colorless transparent	None	100 or more	40.1	1	2.9	<1	<1	<1	Restricted areas	
31	Kidogawa River	Kidokawabashi Bridge	Narabamachi Town	2011/1/21	Sunny	11.9	0.25	10.4	0.0	Colorless transparent	None	100 or more	4.0	3	3.1	<1	<1	<1	Restricted areas	
32	Asamigawa River	Bodabashi Bridge	Hitatemura Village	2011/1/18	Cloudy	9.2	0.40	8.8	0.0	Colorless transparent	None	100 or more	10.0	<1	1.0	<1	<1	<1	Former evacuation-prepared areas in case of emergency	
33	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2011/1/23	Sunny	14.2	0.30	11.2	0.0	Colorless transparent	Faint purple color	100 or more	110.7	2	3.8	<1	<1	<1		
34	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2011/1/23	Sunny	13.6	0.55	11.2	0.0	Colorless transparent	None	100 or more	63.7	6	9.4	<1	<1	<1		
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2011/1/23	Cloudy	11.2	0.40	11.4	0.0	Colorless transparent	None	100 or more	23.4	1	2.0	<1	<1	<1		
36	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2011/1/24	Clear	14.4	1.43	12.2	0.0	Grayish yellow green	None	100 or more	9.4	4	6.4	<1	<1	<1		
37	Natsugawa River	Kitanouchibashi Bridge	Onomachi Town	2011/1/29	Cloudy	11.3	0.30	8.2	0.0	Colorless transparent	None	100 or more	9.2	2	2.1	<1	<1	<1		
38	Natsugawa River	Kyudayubashi Bridge	Iwakishi City	2011/1/21	Sunny	9.0	0.47	10.9	0.0	Colorless transparent	None	100 or more	8.3	5	5.6	<1	<1	<1		
39	Natsugawa River	Rokujumaibashi Bridge	Iwakishi City	2011/1/24	Sunny	12.2	1.22	11.8	0.0	Greenish brown	Faint sewage	63	24.0	8	9.2	<1	<1	<1		
40	Yoshimagawa River	Iwanatsuribashi Bridge	Iwakishi City	2011/1/23	Cloudy	13.8	0.50	8.7	0.0	Colorless transparent	None	100 or more	10.0	1	1.8	<1	<1	<1		
41	Yoshimagawa River	Before the confluence with Natsugawa River	Iwakishi City	2011/1/23	Cloudy	13.0	0.50	10.5	0.0	Colorless transparent	None	100 or more	18.0	2	2.5	<1	<1	<1		
42	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2011/1/25	Sunny	13.0	0.73	13.2	0.0	Yellow green	None	47	546.0	8	10	<1	<1	<1		
43	Fujiwaragawa River	Minatoohashi Bridge	Iwakishi City	2011/1/26	Clear	8.4	3.17	11.8	0.0	Dark gray yellow green	Faint sewage	100 or more	2540.0	3	4.7	<1	<1	<1		
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2011/1/22	Sunny	11.6	0.20	11.0	0.0	Dark gray yellow green	None	65	11.4	3	6.9	<1	<1	<1		
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2011/1/23	Cloudy	13.2	0.50	10.2	0.0	Dark gray yellow green	None	72	21.2	5	6.3	<1	<1	<1		
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2011/1/22	Sunny	9.2	0.50	8.0	0.0	Colorless transparent	None	100 or more	11.2	1	1.6	<1	<1	<1		
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2011/1/26	Clear	11.0	0.27	9.8	0.0	Colorless transparent	None	100 or more	56.2	7	6.4	<1	<1	<1		
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2011/1/23	Cloudy	12.6	2.08	11.8	0.0	Dark green	Mineral oil	100 or more	260.0	7	8.7	<1	<1	<1		

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

River (Hamadori Area): 2nd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment																				Remarks
No.	Water body	Point	Municipality					General items																	Radioactive material			
								Mechanical composition																	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
								Moisture content	Soil particle	Property	Mechanical composition																	
											Gravel (mm)	Gravel (2mm)	Gravel (0.75mm)	Gravel (0.25mm)	Gravel (0.075mm)	Gravel (0.025mm)	Gravel (0.0075mm)	Gravel (0.0025mm)	Gravel (0.00075mm)	Gravel (0.00025mm)	Gravel (0.000075mm)	Gravel (0.000025mm)	Gravel (0.0000075mm)	Gravel (0.0000025mm)			Gravel (0.00000075mm)	
1	Izozawa River	Hamahatabashi Bridge	Simane Town	2011/1/24	Cloudy	10.6	3.70	14.2	4	Oliver black	None	1.8	0.0	0.5	3.7	38.0	28.2	27.8	44.8	2.561	Sand with silt	<30	1,900	2,500				
2	Kozumigawa River	Kozumibashi Bridge	Simashi City	2011/1/24	Sunny	11.9	0.50	12.1	5	Oliver black	None	24.4	5.3	5.8	35.2	29.1	0.0	72.2	2.720	Sand with gravel	<30	460	600					
3	Kozumigawa River	Hyakkenbashi Bridge	Simashi City	2011/1/28	Cloudy	12.0	1.20	10.4	5	Oliver black	Faint seaweed	1.6	3.9	8.1	18.1	54.4	4.5	10.4	73.7	2.705	Sand	<30	880	1,000				
4	Udagawa River	Horikakabashi Bridge	Simashi City	2011/1/24	Sunny	13.5	0.60	9.0	5	Dark olive brown	None	1.1	5.6	22.1	66.5	4.7	0.0	82.1	2.682	Sand with gravel	<30	1,000	1,300					
5	Udagawa River	Hyakkenbashi Bridge	Simashi City	2011/1/28	Cloudy	14.0	1.00	9.0	5	Dark olive brown	Puffiness	1.5	1.0	1.5	25.4	65.7	4.9	77.5	2.676	Sand	<30	220	270					
6	Manogawa River	Ochiaibashi Bridge	Simashi City	2011/1/29	Sunny	10.2	2.15	12.0	3	Brownish black	None	44.6	27.5	19.7	7.5	0.5	0.2	91.6	2.701	Gravel with sand	<30	290	370					
7	Manogawa River	Majumabashi Bridge	Simashi City	2011/1/29	Sunny	13.6	2.52	14.0	10	Brownish black	None	—	—	0.5	4.8	71.8	8.0	14.9	65.1	2.672	Silt with sand	<30	1,500	1,900				
8	Nidagawa River	Kusano	Simashi Village	2011/1/25	Snow	4.5	0.70	5.8	5	Dark brown	None	4.9	36.4	47.6	10.0	0.5	0.6	92.3	2.622	Sand with gravel	<30	560	730					
9	Nidagawa River	Komura	Simashi Village	2011/1/25	Snow	3.4	0.70	6.1	5	Dark brown	None	—	2.0	36.5	60.7	0.5	0.3	79.4	2.649	Sand	<30	1,900	2,500					
10	Nidagawa River	Kidouchibashi Bridge	Simashi City	2011/1/29	Sunny	12.8	1.38	11.6	5	Oliver black	None	44.4	9.5	27.1	17.3	0.5	1.2	90.6	2.680	Sand with gravel	<30	1,100	1,500					
11	Nidagawa River	Sakakawabashi Bridge	Simashi City	2011/1/29	Sunny	12.0	1.63	12.8	10	Oliver brown	None	0.5	0.3	7.8	71.8	17.5	2.1	86.4	2.740	Sand	<30	270	340					
12	Otagawa River	Ishiwatabashi Bridge	Simashi City	2011/1/28	Cloudy	13.4	0.50	10.6	5	Oliver brown	None	13.2	59.7	11.7	8.0	6.7	0.5	0.2	88.4	2.648	Gravel with sand	<30	6,300	8,100				
13	Otagawa River	Kaminouchibashi Bridge	Simashi City	2011/1/29	Sunny	13.2	0.30	11.6	5	Dark olive brown	None	21.3	11.8	11.6	44.0	10.2	1.1	85.6	2.649	Sand with gravel	<30	10,000	12,000					
14	Otagawa River	Masudabashi Bridge	Simashi City	2011/1/29	Sunny	9.2	0.48	11.0	5	Oliver brown	None	26.7	29.7	26.2	15.3	0.9	1.2	89.5	2.642	Sand with gravel	<30	1,300	1,600					
15	Otagawa River	IR Jetsudobashi Bridge	Simashi City	2011/1/29	Sunny	11.2	0.30	11.4	10	Oliver black	None	13.7	15.3	20.1	26.7	21.7	2.5	80.0	2.630	Sand	<30	300	1,700					
16	Otagawa River	Maruyamabashi Bridge	Simashi City	2011/1/21	Sunny	10.4	0.20	11.6	3	Dark grayish yellow	None	28.3	8.4	11.5	44.5	5.9	1.4	86.1	2.832	Sand with gravel	<30	32	39					
17	Odakagawa River	Zenchobashi Bridge	Simashi City	2011/1/21	Cloudy	8.5	0.45	10.0	3	Oliver brown	None	0.9	14.1	53.2	28.8	2.4	0.6	80.3	2.640	Gravel with sand	<30	300	420					
18	Odakagawa River	Hatsukarabashi Bridge	Simashi City	2011/1/21	Cloudy	9.6	1.20	13.0	3	Oliver black	None	0.9	0.5	0.4	28.3	64.1	5.8	77.3	2.765	Sand	<30	670	850					
19	Ukedogawa River	Murohobashi Bridge	Simashi Town	2011/1/21	Cloudy	9.6	0.55	10.4	3	Dark brown	None	10.2	20.5	19.0	20.9	17.4	10.2	1.8	80.1	2.642	Sand with gravel	<30	38,000	49,000				
20	Ukedogawa River	Ukedobashi Bridge	Simashi Town	2011/1/21	Sunny	12.9	0.30	11.2	5	Dark olive	None	11.0	4.1	2.8	19.0	59.5	3.6	79.6	2.718	Sand with gravel	<30	16,000	21,000					
21	Takasegawa River	Keobashi Bridge	Simashi Town	2011/1/21	Sunny	10.0	0.20	11.0	5	Oliver brown	None	34.5	13.6	29.5	21.5	0.7	0.2	82.2	2.650	Sand with gravel	<30	770	880					
22	Maedagawa River	National Route 6, west	Simashi Town	2011/1/21	Cloudy	11.2	0.45	11.6	5	Dark brown	None	10.8	26.6	28.3	19.8	12.3	2.2	82.4	2.653	Sand with silt	<30	8,300	10,000					
23	Maedagawa River	Nakahamabashi Bridge	Simashi Town	2011/1/21	Cloudy	9.8	1.10	12.1	5	Brown	None	11.1	48.7	35.1	2.4	1.4	1.3	89.8	2.656	Sand with gravel	<30	1,300	1,600					
24	Kumagawa River	National Route 6, west	Simashi Town	2011/1/21	Sunny	9.2	0.25	10.8	10	Dark olive brown	None	5.9	44.6	36.5	4.1	6.1	2.8	84.6	2.660	Sand with gravel	<30	3,100	4,000					
25	Kumagawa River	Mikumabashi Bridge	Simashi Town	2011/1/21	Sunny	10.2	0.33	11.1	10	Dark grayish yellow	None	—	4.4	32.0	55.1	6.6	1.9	80.1	2.657	Sand	<30	4,700	6,100					
26	Tomokagawa River	National Route 6, west	Simashi Town	2011/1/21	Sunny	9.8	0.28	11.6	5	Oliver brown	None	33.5	20.4	28.6	17.2	0.1	0.2	82.2	2.693	Sand with gravel	<30	1,200	1,600					
27	Tomokagawa River	Kobamabashi Bridge	Simashi Town	2011/1/21	Sunny	10.3	0.31	11.3	5	Brownish black	None	—	1.0	7.1	53.9	34.0	4.0	76.3	2.694	Sand with gravel	<30	7,700	9,900					
28	Idegawa River	Motogamabashi Bridge	Simashi Town	2011/1/21	Sunny	10.0	0.20	11.0	5	Dark olive brown	None	34.9	21.2	12.0	14.2	12.8	4.9	80.0	2.723	Sand with gravel	<30	1,500	2,000					
29	Kidogawa River	Nishiyamabashi Bridge	Simashi Town	2011/1/17	Sunny	9.2	0.50	9.8	5	Dark olive brown	None	—	—	1.0	39.9	54.5	4.6	68.8	2.670	Sand	<30	310	380					
30	Kidogawa River	Nagatorobashi Bridge	Simashi Town	2011/1/21	Sunny	11.4	0.32	11.4	5	Oliver brown	None	—	0.4	19.1	22.4	7.0	1.1	76.2	2.663	Sand	<30	230	300					
31	Kidogawa River	Kidokawabashi Bridge	Simashi Town	2011/1/21	Sunny	11.9	0.25	12.4	5	Dark olive brown	None	3.1	10.0	24.4	35.2	22.4	4.9	83.6	2.652	Gravel/sand with silt	<30	1,100	1,400					
32	Asamigawa River	Bodabashi Bridge	Simashi Town	2011/1/18	Cloudy	9.2	0.40	9.2	5	Oliver black	None	0.5	1.5	11.5	52.5	34.7	3.7	80.0	2.655	Sand	<30	370	460					
33	Ohisagawa River	Kaerobashi Bridge	Iwakishi City	2011/1/23	Sunny	14.2	0.30	11.2	5	Dark olive	None	20.1	36.9	24.8	17.0	0.5	0.7	94.2	2.648	Sand with gravel	<30	820	1,000					
34	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2011/1/23	Sunny	13.6	0.55	11.8	5	Oliver black	None	8.5	26.5	25.3	24.5	14.5	0.0	0.7	88.4	2.632	Sand with gravel	<30	84	100				
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2011/1/23	Cloudy	11.2	0.40	11.4	5	Grayish olive	None	18.3	18.3	27.6	27.9	6.4	1.5	83.8	2.691	Gravel/sand with silt	<30	71	77					
36	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2011/1/24	Clear	14.4	1.43	12.8	5	Dark olive	None	1.7	9.8	24.9	52.2	10.7	0.7	83.2	2.663	Sand with gravel	<30	280	330					
37	Natsugawa River	Kitanouchibashi Bridge	Obihiro City	2011/1/29	Cloudy	11.3	0.30	8.4	5	Brownish black	None	2.0	22.0	42.2	26.3	6.3	1.2	88.3	2.689	Sand with gravel	<30	34	42					
38	Natsugawa River	Kivudavubashi Bridge	Iwakishi City	2011/1/21	Sunny	9.0	0.47	10.7	5	Oliver brown	None	—	—	14.9	61.1	—	12.4	11.8	67.1	2.692	Sand	<30	190	250				
39	Natsugawa River	Kokumabashi Bridge	Iwakishi City	2011/1/24	Sunny	12.2	1.22	11.4	5	Dark olive	None	10.0	28.3	45.2	15.0	1.4	0.1	88.9	2.649	Sand with gravel	<30	76	97					
40	Yoshinagawa River	Iwanatsuribashi Bridge	Iwakishi City	2011/1/23	Cloudy	13.8	0.50	9.0	10	Dark olive brown	None	—	0.5	15.8	74.2	7.3	2.4	81.4	2.689	Sand	<30	160	220					
41	Yoshinagawa River	Before the confluence with Natsugawa River	Iwakishi City	2011/1/23	Cloudy	13.0	0.50	10.7	10	Oliver black	Faint puffiness	7.0	4.1	8.5	49.5	25.8	5.1	77.6	2.672	Sand with gravel	<30	190	250					
42	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2011/1/25	Sunny	13.0	0.73	14.2	5	Oliver black	Faint seaweed	0.9	2.9	15.9	46.0	29.0	5.3	83.5	2.648	Sand with silt	<30	67	90					
43	Fujiwaragawa River	Minatohashi Bridge	Iwakishi City	2011/1/26	Clear	8.4	3.17	14.2	5	Oliver black	Faint seaweed	—	1.9	11.0	68.4	15.6	3.1	79.9	2.675	Sand with silt	<30	99	140					
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2011/1/22	Sunny	11.6	0.20	11.2	5	Black	None	76.5	14.6	4.7	2.8	0.7	0.7	95.4	2.818	Gravel	<30	11	19					
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2011/1/23	Cloudy	13.2	0.50	11.5	10	Dark olive brown	None	0.9	3.0	14.5	44.2	21.1	6.6	9.7	79.5	2.718	Gravel/sand with silt	<30	190	250				
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2011/1/22	Sunny	9.2	0.50	10.6	5	Oliver black	None	—	2.8	18.7	66.1	11.5	0.9	84.3	2.738	Sand	<30	53	68					
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2011/1/26	Clear	11.0	0.27	9.8	5	Dark olive	None	14.6	6.1	8.8	26.8	12.1	1.6	83.4	2.689	Sand with gravel	<30	140	160					
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2011/1/23	Cloudy	12.6	2.08	10.8	10	Black	Strong mineral oil	—	0.3	0.4	2.7	67.7	15.7	4.5	8.7	70.8	2.661	Sand with silt	<30	590	760			

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

River (Hamadori Area): 2nd Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Surrounding environment (soil and air dose)							Remarks						
Left bank							Right bank													
Soil							Soil													
General items			Radioactive material				Air dose (μSv/h)	General items			Radioactive material		Air dose (μSv/h)							
No.	Water body	Point	Municipality	Color	Odor	Property		Radioactive cesium Cs-134	Radioactive cesium Cs-137	Color	Odor	Property		Radioactive cesium Cs-134	Radioactive cesium Cs-137					
1	Jizogawa River	Hamahatabashi Bridge	Shinonouchi Town	2011/1/23	Cloudy	10.6	Dark gray olive	None	Sandy	<30	1,500	1,900	0.28	Olive brown	None	Sandy	<30	590	770	0.22
2	Koizumigawa River	Koizumbashi Bridge	Somashi City	2011/1/24	Sunny	11.9	Brownish black	Faint earth	Loamy	<30	1,200	1,600	0.34	Brownish black	Faint earth	Loamy	<30	1,300	1,600	0.35
3	Koizumigawa River	Ivakkabashi Bridge	Somashi City	2011/1/28	Cloudy	12.0	Brownish black	Faint earth	Loamy	<30	1,400	2,000	0.38	Brownish black	Faint earth	Loamy	<30	1,600	2,000	0.35
4	Udagawa River	Horisakabashi Bridge	Somashi City	2011/1/24	Sunny	13.5	Brownish black	Faint earth	Loamy	<30	840	1,000	0.40	Brownish black	Faint earth	Loamy	<30	1,400	1,800	0.32
5	Udagawa River	Ivakkabashi Bridge	Somashi City	2011/1/28	Cloudy	14.0	Brownish black	Faint earth	Loamy	<30	1,500	1,400	0.40	Dark brown	Faint earth	Loamy	<30	1,400	1,800	0.32
6	Manogawa River	Ochiaibashi Bridge	Minamimoromi City	2011/1/29	Sunny	10.2	Brown	Faint earth	Loamy	<30	950	930	0.57	Brownish black	Faint earth	Loamy	<30	1,100	1,400	0.96
7	Manogawa River	Majimabashi Bridge	Minamimoromi City	2011/1/29	Sunny	10.2	Dark brown	Faint earth	Clayey	<30	520	660	0.32	Dark brown	Faint earth	Clayey	<30	450	640	0.29
8	Nidagawa River	Kusano	Iitatemura Village	2011/1/25	Snow	4.5	Dark gray olive	Faint earth	Loamy	<30	8,500	10,000	4.48	Olive brown	Faint earth	Loamy	<30	13,000	16,000	4.37
9	Nidagawa River	Komiya	Iitatemura Village	2011/1/25	Snow	3.4	Olive brown	Faint earth	Loamy	<30	8,900	11,000	4.70	Olive brown	Faint earth	Loamy	<30	8,100	10,000	4.96
10	Nidagawa River	Kidouchibashi Bridge	Minamimoromi City	2011/1/29	Sunny	12.8	Dark yellow brown	Faint earth	Loamy	<30	3,000	3,800	1.17	Dark brown	Faint earth	Loamy	<30	1,200	1,500	1.36
11	Nidagawa River	Sakekawabashi Bridge	Minamimoromi City	2011/1/29	Sunny	12.0	Dark yellow brown	Faint earth	Loamy	<30	100	140	0.22	Dark brown	Faint earth	Loamy	<30	390	460	0.36
12	Otagawa River	Ishiwatabashi Bridge	Minamimoromi City	2011/1/28	Cloudy	13.4	Dark brown	Faint earth	Loamy	<30	4,300	5,500	2.10	Brown	Faint earth	Loamy	<30	2,500	3,300	2.23
13	Otagawa River	Kaminouchibashi Bridge	Minamimoromi City	2011/1/29	Sunny	13.2	Brownish black	Faint earth	Loamy	<30	2,600	3,400	1.09	Dark yellow brown	Faint earth	Loamy	<30	2,900	3,800	1.12
14	Otagawa River	Masudabashi Bridge	Minamimoromi City	2011/1/29	Sunny	9.2	Brownish black	Faint earth	Loamy	<30	1,400	1,800	0.50	Brownish black	Faint earth	Loamy	<30	600	780	0.47
15	Otagawa River	JR Tetsudobashi Bridge	Minamimoromi City	2011/1/29	Sunny	11.2	Brownish black	Faint earth	Loamy	<30	1,000	1,300	0.41	Dark brown	Faint earth	Loamy	<30	2,000	2,500	0.48
16	Otagawa River	Maruyamabashi Bridge	Minamimoromi City	2011/1/21	Sunny	10.4	Dark gray olive	None	Loamy	<30	320	450	0.16	—	—	—	—	—	—	—
17	Odakagawa River	Zenchobashi Bridge	Minamimoromi City	2011/1/21	Cloudy	8.5	—	—	—	—	—	—	—	Dark olive brown	None	Loamy	<30	1,000	1,200	0.45
18	Odakagawa River	Hatsukarabashi Bridge	Minamimoromi City	2011/1/21	Cloudy	9.6	Dark olive brown	None	Sandy	<30	44	54	0.08	—	—	—	—	—	—	—
19	Ukedogawa River	Muroharabashi Bridge	Namemachi Town	2011/1/21	Cloudy	9.6	Olive brown	Earth	Loamy	<30	49,000	65,000	10.64	—	—	—	—	—	—	—
20	Ukedogawa River	Ukedobashi Bridge	Namemachi Town	2011/1/21	Sunny	12.9	Brownish black	None	Sandy	<30	3,200	4,100	1.43	—	—	—	—	—	—	—
21	Takasegawa River	Keiobashi Bridge	Namemachi Town	2011/1/21	Sunny	10.0	Yellowish brown	Earth	Loamy	<30	16,000	20,000	1.75	—	—	—	—	—	—	—
22	Maedagawa River	National Route 6, west	Futatabi Town	2011/1/21	Cloudy	11.2	Brownish black	None	Loamy	<30	21,000	29,000	5.72	—	—	—	—	—	—	—
23	Maedagawa River	Nakahamabashi Bridge	Namemachi Town	2011/1/21	Cloudy	9.8	—	—	—	—	—	—	—	Brownish black	None	Loamy	<30	2,200	2,900	0.88
24	Kumagawa River	National Route 6, west	Okumamachi Town	2011/1/21	Sunny	9.2	—	—	—	—	—	—	—	Brownish black	None	Clay-loamy	<30	6,400	7,900	4.71
25	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2011/1/21	Sunny	10.2	—	—	—	—	—	—	—	Dark olive brown	None	Loamy	<30	26,000	33,000	8.51
26	Tomokagawa River	National Route 6, west	Tomokamachi Town	2011/1/21	Sunny	9.8	Dark olive brown	None	Loamy	<30	41,000	52,000	6.67	—	—	—	—	—	—	—
27	Tomokagawa River	Kobamabashi Bridge	Tomokamachi Town	2011/1/21	Sunny	10.3	Dark olive brown	Faint earth	Loamy	<30	3,300	4,100	3.01	—	—	—	—	—	—	—
28	Idegawa River	Motogamabashi Bridge	Narabamachi Town	2011/1/21	Sunny	10.0	—	—	—	—	—	—	—	Olive brown	None	Loamy	<30	3,700	4,700	0.93
29	Kidogawa River	Nishiyamabashi Bridge	Kawachimura Village	2011/1/17	Sunny	9.2	Dark brown	Faint earth	Sandy	<30	730	940	0.82	Dark olive brown	Faint earth	Sandy	<30	1,000	1,200	0.68
30	Kidogawa River	Nagatorobashi Bridge	Narabamachi Town	2011/1/21	Sunny	11.4	Dark olive	None	Clay-loamy	<30	2,500	3,200	0.92	—	—	—	—	—	—	—
31	Kidogawa River	Kidokawabashi Bridge	Narabamachi Town	2011/1/21	Sunny	11.9	—	—	—	<30	2,500	3,200	0.92	Dark olive brown	None	Loamy	<30	2,000	2,500	0.93
32	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2011/1/18	Cloudy	9.2	Dark brown	Faint earth	Loamy	<30	1,200	1,500	1.33	Brownish black	Faint earth	Loamy	<30	1,800	2,200	1.66
33	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2011/1/23	Sunny	14.2	—	—	—	<30	—	—	—	Olive brown	None	Sandy	<30	570	720	0.41
34	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2011/1/23	Sunny	13.6	Olive brown	Faint earth	Loamy	<30	1,500	1,900	0.62	Dark gray olive	Faint earth	Loamy	<30	2,400	2,900	0.66
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2011/1/23	Cloudy	11.2	Black	Faint earth	Loamy	<30	1,300	1,700	0.28	Brownish black	Faint earth	Loamy	<30	1,200	1,400	0.36
36	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2011/1/24	Clear	14.4	Dark gray olive	Faint earth	Loamy	<30	1,300	1,600	0.36	Brownish black	Green grass	Sandy	<30	1,000	1,300	0.46
37	Natsugawa River	Kitanouchibashi Bridge	Otomachi Town	2011/1/29	Cloudy	11.3	Brownish black	Faint earth	Loamy	<30	620	840	0.23	Brownish black	Earth	Loamy	<30	390	540	0.20
38	Natsugawa River	Kiyudayubashi Bridge	Iwakishi City	2011/1/21	Sunny	9.0	Grayish olive	Earth	Sandy	<30	80	92	0.20	Dark olive brown	None	Loamy	<30	430	560	0.29
39	Natsugawa River	Rokuumaibashi Bridge	Iwakishi City	2011/1/24	Sunny	12.2	Dark gray olive	Faint earth	Loamy	<30	1,900	2,400	0.42	Brownish black	Faint green grass	Loamy	<30	1,800	2,300	0.41
40	Yoshimigawa River	Iwaanatsuribashi Bridge	Iwakishi City	2011/1/23	Cloudy	13.8	Brownish black	Faint earth	Loamy	<30	1,400	1,800	0.22	Dark brown	Faint earth	Loamy	<30	410	510	0.20
41	Yoshimigawa River	Before the confluence with Natsugawa River	Iwakishi City	2011/1/23	Cloudy	13.0	Brownish black	Faint earth	Loamy	<30	440	480	0.21	Brownish black	Faint earth	Loamy	<30	650	850	0.22
42	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2011/1/25	Sunny	13.0	Dark olive brown	Faint earth	Clay-loamy	<30	810	1,000	0.23	Dark gray olive	None	Loamy	<30	150	190	0.12
43	Fujiwaragawa River	Minatobashi Bridge	Iwakishi City	2011/1/26	Clear	8.4	Brownish black	Faint earth	Sandy	<30	430	530	0.15	Brownish black	Faint earth	Sandy	<30	600	810	0.35
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2011/1/22	Sunny	11.6	Olive brown	Faint earth	Sandy	<30	340	420	0.23	—	—	—	—	—	—	—
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2011/1/23	Cloudy	13.2	Dark olive brown	None	Sandy	<30	380	510	0.15	Dark olive brown	Faint earth	Sandy	<30	770	970	0.14
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2011/1/22	Sunny	9.2	Brownish black	Faint earth	Loamy	<30	320	420	0.21	Olive black	None	Sandy	<30	100	120	0.21
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2011/1/26	Clear	11.0	Olive black	Faint earth	Sandy	<30	340	460	0.19	Dark gray olive	Faint earth	Loamy	<30	570	800	0.21
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2011/1/23	Cloudy	12.6	Olive black	None	Sandy	<30	950	1,100	0.15	Dark olive brown	None	Sandy	<30	570	680	0.20

Note: • Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

River (Nakadori Area): 2nd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Water quality											Remarks
No.	Water body	Point	Municipality					General items							Radioactive material concentrations (Bq/L)				
								Turbidity	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity	SS mg/L	Turbidity	Radioactive iodine ⁽¹⁾	Radioactive cesium Cs-134	Radioactive cesium Cs-137	
49	Abukumagawa River System	Abukumaga	Habutobashi Bridge	Turbidity	2011/1/22	Sunny	6.8	0.42	9.8	0.0	Colorless transparent	None	100 or more	91.2	3	2.7	<1	<1	<1
50		Abukumagawa River	Tamachiohashi Bridge	Shirakawashi City	2011/1/26	Sunny	4.7	0.60	7.5	0.0	Colorless transparent	None	100 or more	12.6	1	2.0	<1	<1	<1
51		Yanagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2011/1/25	Cloudy	7.6	0.40	11.5	0.0	Colorless transparent	None	100 or more	66.5	1	1.4	<1	<1	<1
52		Yashirogawa River	Yashirogawabashi Bridge	Tanaguramachi Town	2011/1/25	Sunny	7.8	0.40	10.0	0.0	Colorless transparent	None	100 or more	12.6	2	2.4	<1	<1	<1
53		Kitasugawa River	Yanagibashi Bridge	Hiratsuna Village	2011/1/24	Cloudy	5.4	0.40	8.9	0.0	Colorless transparent	None	100 or more	12.7	1	1.8	<1	<1	<1
54		Imadegawa River	Nekonakibashi Bridge	Ishikawamachi Town	2011/1/24	Cloudy	10.2	0.87	10.2	0.0	Greenish brown	None	63	13.3	5	5.2	<1	<1	<1
55		Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	2011/1/25	Cloudy	6.1	0.75	7.6	0.0	Dark grayish yellow green	None	88	13.6	4	4.9	<1	<1	<1
56		Abukumagawa River	Kawanomebashi Bridge	Tamukawamachi Village	2011/1/25	Cloudy	7.9	0.60	8.6	0.0	Dark grayish yellow green	None	100 or more	16.8	3	4.0	<1	<1	<1
57		Abukumagawa River	Emochibashi Bridge	Sakagawashi City	2011/1/24	Sunny	8.2	0.50	10.0	0.0	Dark grayish yellow green	None	100 or more	16.7	6	6.0	<1	<1	<1
58		Shakadogawa River	Sukagawashi City water intake point	Sakagawashi City	2011/1/25	Rain	4.7	0.50	7.9	0.0	Colorless transparent	None	100 or more	14.7	9	7.1	<1	<1	<1
59		Shakadogawa River	Before the confluence with Abukumagawa River	Sakagawashi City	2011/1/24	Sunny	10.6	0.30	10.6	0.0	Colorless transparent	None	100 or more	15.9	4	5.6	<1	<1	<1
60		Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2011/1/24	Sunny	10.8	0.40	10.1	0.0	Colorless transparent	None	100 or more	20.3	4	5.1	<1	<1	<1
61		Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2011/1/24	Sunny	11.5	0.40	9.9	0.0	Colorless transparent	None	100 or more	21.4	3	3.3	<1	<1	<1
62		Otakegawa River	Funechikibashi Bridge	Tamurashi City	2011/1/28	Cloudy	15.9	0.30	7.9	0.0	Colorless transparent	Faint sewage	100 or more	10.2	1	2.5	<1	<1	<1
63		Otakegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/1/28	Cloudy	14.7	0.30	8.9	0.0	Colorless transparent	None	100 or more	11.1	4	5.5	<1	<1	<1
64		Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2011/1/24	Sunny	7.1	0.15	8.3	0.0	Colorless transparent	None	100 or more	33.4	2	3.5	<1	<1	<1
65		Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2011/1/23	Cloudy	12.3	0.40	10.0	0.0	Colorless transparent	None	100 or more	34.5	5	6.4	<1	<1	<1
66		Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/1/23	Sunny	13.0	0.30	11.5	0.0	Colorless transparent	None	100 or more	38.8	5	5.6	<1	<1	<1
67		Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2011/1/23	Sunny	10.4	0.50	8.6	0.0	Colorless transparent	None	100 or more	22.7	5	5.5	<1	<1	<1
68		Gohyakugawa River	After the confluence with Ishimurogawa River	Koriyamashi City	2011/1/23	Cloudy	4.9	0.30	6.7	0.0	Colorless transparent	None	100 or more	10.0	1	0.8	<1	<1	<1
69		Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyashi City	2011/1/23	Sunny	6.0	1.10	6.6	0.0	Colorless transparent	None	100 or more	12.1	2	1.7	<1	<1	<1
70		Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2011/1/22	Sunny	8.6	0.50	8.0	0.0	Colorless transparent	None	64	19.9	12	12	<1	<1	<1
71		Abukumagawa River	Takadabashi Bridge	Nikomatsubashi City	2011/1/22	Sunny	8.9	0.50	9.2	0.0	Colorless transparent	Faint seaweed	100 or more	20.8	11	9.4	<1	<1	<1
72		Kuchibutogawa River	Kuchibutogawabashi Bridge	Nikomatsubashi City	2011/1/29	Cloudy	14.8	0.30	7.5	0.0	Colorless transparent	None	100 or more	13.7	2	2.2	<1	<1	<1
73		Utsubagawa River	Osegawabashi Bridge	Nikomatsubashi City	2011/1/26	Clear	5.3	0.70	5.1	0.0	Colorless transparent	None	47	15.7	28	13	<1	3	4
74		Mizuharagawa River	Getouchibashi Bridge	Fukushima City	2011/1/25	Rain	3.8	0.40	7.7	0.0	Colorless transparent	None	100 or more	11.6	2	2.6	<1	<1	<1
75		Megamiyagawa River	Tsurumakibashi Bridge	Fukushima City	2011/1/26	Snow	4.8	0.40	7.9	0.0	Colorless transparent	None	100 or more	25.4	1	2.0	<1	<1	<1
76		Abukumagawa River	Horaibashi Bridge	Fukushima City	2011/1/26	Clear	4.5	0.30	7.6	0.0	Dark grayish yellow green	None	100 or more	20.1	4	5.1	<1	<1	<1
77		Nigorigawa River	Before the confluence with Omorigawa River	Fukushima City	2011/1/17	Clear	5.8	0.20	9.6	0.0	Colorless transparent	Faint sewage	95	19.1	5	8.6	<1	<1	<1
78		Arakawa River	Hinokurabashi Bridge	Fukushima City	2011/1/16	Clear	7.6	0.30	8.8	0.0	Dark grayish yellow green	None	70	30.3	6	7.5	<1	<1	<1
79		Sukawa River	Sukawabashi Bridge	Fukushima City	2011/1/16	Sunny	7.8	0.30	9.8	0.0	Colorless transparent	None	100 or more	54.1	<1	0.3	<1	<1	<1
80		Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/16	Clear	8.6	0.50	11.6	0.0	Colorless transparent	None	74	31.6	12	5.6	<1	<1	<1
81		Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/16	Sunny	8.2	0.30	9.0	0.0	Colorless transparent	None	75	19.6	8	7.7	<1	<1	<1
82		Hattandagawa River	Hattandabashi Bridge	Fukushima City	2011/1/16	Sunny	5.2	0.30	8.0	0.0	Grayish yellow green	None	40	18.1	17	14	<1	<1	<1
83		Surikamigawa River	Totsunabashi Bridge	Fukushima City	2011/1/30	Cloudy	10.6	0.40	10.6	0.0	Dark green	None	100 or more	5.9	3	2.6	<1	<1	<1
84		Surikamigawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/30	Cloudy	9.6	0.40	10.0	0.0	Colorless transparent	None	100 or more	6.0	2	1.9	<1	<1	<1
85		Abukumagawa River	Taishobashi Bridge	Dateshi City	2011/1/15	Sunny	12.4	0.50	12.3	0.0	Colorless transparent	None	85	19.6	6	6.8	<1	<1	<1
86		Hirosegawa River	Tatenokoshibashi Bridge	Kawamatsubashi Town	2011/1/29	Sunny	15.0	0.50	10.9	0.0	Colorless transparent	Faint sewage	100 or more	11.7	4	3.4	<1	<1	<1
87		Hirosegawa River	Jizogawarabashi Bridge	Dateshi City	2011/1/15	Cloudy	7.8	0.30	11.0	0.0	Colorless transparent	None	100 or more	13.6	2	2.0	<1	<1	<1
88		Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2011/1/15	Cloudy	8.6	0.30	11.6	0.0	Colorless transparent	None	100 or more	28.0	2	2.3	<1	<1	<1
89		Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2011/1/15	Sunny	12.4	0.50	12.4	0.0	Colorless transparent	None	100 or more	17.0	2	2.5	<1	<1	<1
90	Others	Kurokawa River	Prefectural border with Tochigi	Shirakawashi City	2011/1/26	Clear	2.5	0.40	6.6	0.0	Colorless transparent	None	100 or more	9.0	1	1.2	<1	<1	<1
91		Kujigawa River	Matsuokabashi Bridge	Tanaguramachi Town	2011/1/25	Cloudy	10.5	0.50	10.4	0.0	Colorless transparent	None	100 or more	13.4	1	1.8	<1	<1	<1
92		Kujigawa River	Takachiharabashi Bridge	Tanaguramachi Town	2011/1/25	Cloudy	9.5	0.70	9.0	0.0	Colorless transparent	None	100 or more	10.8	2	1.6	<1	<1	<1

River (Nakadori Area): 2nd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Sediment																	Remarks	
No.	Water body	Point	Municipality					General items														Radioactive material				
								Moisture temperature	Moisture sampling	Color	Odor	Mechanical composition						Silt	Clay	Moisture content	Non particle	Property	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
												Coars	Medium	Fine	Coars	Medium	Fine									
49	Abukumagawa River System	Abukumagawa River	Habutohoshi Bridge	Shikama Village	2011/1/22	Sunny	6.8	0.42	10.1	5	Dark brown	None	—	3.4	4.4	24.4	56.7	9.7	2.1	83.6	2.688	Sand	<30	44	47	
50		Abukumagawa River	Yamachiohobashi Bridge	Shikama City	2011/1/22	Sunny	4.7	0.60	8.2	5	Brownish black	None	—	4.1	1.7	4.9	22.0	63.2	4.1	74.8	2.699	Sand	<30	98	130	
51		Yatagawa River	Before the confluence with Abukumagawa River	Shikama City	2011/1/25	Cloudy	7.6	0.40	11.3	10	Dark olive brown	None	—	—	1.9	52.5	42.5	0.2	2.9	87.6	2.668	Sand	<30	150	180	
52		Yashirogawa River	Yashirogawabashi Bridge	Yashirogawa City	2011/1/25	Sunny	7.8	0.40	9.5	5	Brownish black	None	—	21.8	8.6	23.5	40.0	4.0	2.1	85.0	2.719	Sand with gravel	<30	57	51	
53		Kitagawa River	Yanaobashi Bridge	Hattamata Village	2011/1/24	Cloudy	5.4	0.40	9.0	10	Dark olive brown	None	—	—	0.6	14.3	80.0	3.9	1.2	82.2	2.688	Sand	<30	65	100	
54		Imadegawa River	Nekonakibashi Bridge	Abukuma City	2011/1/24	Cloudy	10.2	0.87	10.4	10	Olive brown	None	—	—	2.5	21.6	69.1	5.3	1.5	84.6	2.753	Sand with silt	<30	19	28	
55		Yashirogawa River	Onbashi Bridge	Abukuma City	2011/1/25	Cloudy	6.1	0.75	7.8	5	Brown	None	—	29.0	27.7	32.0	8.8	1.0	1.5	86.6	2.701	Sand with gravel	<30	16	20	
56		Abukumagawa River	Kawanomebashi Bridge	Shikama Village	2011/1/25	Cloudy	7.9	0.60	8.2	5	Dark brown	None	—	8.0	32.9	43.9	11.9	1.3	2.0	89.2	2.701	Sand with gravel	<30	11	23	
57		Abukumagawa River	Imochibashi Bridge	Shikama City	2011/1/24	Sunny	8.2	0.50	9.0	5	Brownish black	None	—	14.4	4.0	5.5	46.7	25.7	3.7	83.0	2.826	Sand with gravel	<30	56	68	
58		Shikadagawa River	Shikadagawa City water intake point	Shikama City	2011/1/25	Rain	4.7	0.50	7.6	5	Brownish black	None	—	31.1	30.2	20.2	18.5	0.2	0.0	87.8	2.763	Sand with gravel	<30	43	54	
59		Shikadagawa River	Before the confluence with Abukumagawa River	Shikama City	2011/1/24	Sunny	10.6	0.30	10.1	5	Brownish black	None	—	22.3	23.2	28.3	25.5	0.3	0.4	88.8	2.744	Sand with gravel	<30	41	48	
60		Shikadagawa River	Shinbashi Bridge	Koriyama City	2011/1/24	Sunny	10.8	0.40	9.9	5	Dark brown	None	—	17.2	10.1	20.3	49.9	0.5	2.0	86.2	2.670	Sand with gravel	<30	110	150	
61		Yatagawa River	Yatagawabashi Bridge	Koriyama City	2011/1/24	Sunny	11.5	0.40	9.5	5	Dark yellowish brown	None	—	17.9	20.1	31.3	28.0	0.7	2.0	88.4	2.657	Sand with gravel	<30	31	48	
62		Okunogawa River	Funehikibashi Bridge	Tamurashi City	2011/1/28	Cloudy	15.9	0.30	8.0	5	Dark brown	None	—	0.5	14.4	40.5	41.8	1.6	1.2	87.6	2.687	Sand	<30	51	68	
63		Abukumagawa River	Before the confluence with Abukumagawa River	Koriyama City	2011/1/28	Cloudy	14.7	0.30	9.0	5	Brownish black	None	—	0.4	8.1	31.3	54.8	4.3	1.1	86.3	2.683	Sand	<30	120	150	
64		Onogawa River	Before the confluence with Itabagawa River	Koriyama City	2011/1/24	Sunny	7.1	0.15	8.0	5	Olive brown	None	—	1.3	0.7	7.2	74.8	13.7	2.3	80.4	2.689	Sand with gravel	<30	410	550	
65		Onogawa River	Makunouchibashi Bridge	Koriyama City	2011/1/23	Cloudy	12.3	0.40	10.4	5	Olive brown	None	—	30.2	25.1	29.4	13.3	0.3	1.7	86.7	2.670	Sand with gravel	<30	140	190	
66		Onogawa River	Before the confluence with Abukumagawa River	Koriyama City	2011/1/23	Sunny	13.0	0.30	11.5	5	Olive brown	None	—	20.6	15.4	31.5	31.1	0.5	0.9	88.6	2.659	Sand with gravel	<30	310	380	
67		Abukumagawa River	Akutsubashi Bridge	Koriyama City	2011/1/23	Sunny	10.4	0.50	9.8	5	Olive brown	None	—	47.7	23.7	22.0	6.0	0.1	0.5	88.5	2.668	Sand with gravel	<30	49	67	
68		Gedyakagawa River	After the confluence with Itabagawa River	Koriyama City	2011/1/23	Cloudy	4.9	0.30	6.1	5	Dark olive brown	None	—	28.4	10.5	18.0	36.6	5.3	1.2	79.9	2.672	Sand with gravel	<30	84	100	
69		Gedyakagawa River	Kamsekishibashi Bridge	Motomiya City	2011/1/23	Sunny	6.0	1.10	7.8	5	Dark grayish yellow	None	—	13.7	16.9	19.2	33.2	15.0	2.0	78.9	2.675	Sand with gravel	<30	370	380	
70		Gedyakagawa River	Before the confluence with Abukumagawa River	Motomiya City	2011/1/23	Sunny	8.6	0.50	8.1	5	Dark brown	None	—	5.7	8.5	42.5	43.2	0.1	0.0	87.8	2.678	Sand with gravel	<30	190	260	
71		Abukumagawa River	Takadabashi Bridge	Shikama City	2011/1/24	Sunny	8.9	0.50	7.8	5	Olive black	None	—	—	—	0.6	36.4	43.9	5.9	11.2	74.2	2.701	Sand with silt	<30	280	330
72		Kuchinogawa River	Kuchinogawabashi Bridge	Shikama City	2011/1/29	Cloudy	14.8	0.30	7.8	5	Dark olive	Putrescence	—	1.0	3.5	15.6	57.4	18.7	3.8	81.8	2.709	Sand	<30	670	770	
73		Usanigawa River	Usegawabashi Bridge	Shikama City	2011/1/26	Clear	5.3	0.70	5.2	5	Olive black	None	—	0.3	16.7	31.1	25.8	26.0	0.1	83.6	2.702	Sand	<30	230	320	
74		Mizuragawa River	Getouchibashi Bridge	Fukushima City	2011/1/25	Rain	3.8	0.40	7.8	5	Dark brown	None	—	—	3.1	28.3	63.2	4.8	0.6	76.8	2.696	Sand	<30	250	320	
75		Megumigawa River	Isumakibashi Bridge	Fukushima City	2011/1/26	Snow	4.8	0.40	7.9	5	Dark grayish yellow	None	—	0.9	13.1	24.7	49.9	9.0	2.4	80.2	2.733	Sand	<30	680	890	
76		Abukumagawa River	Horaibashi Bridge	Fukushima City	2011/1/26	Clear	4.5	0.30	7.7	5	Brownish black	None	—	2.7	3.7	9.2	67.1	17.3	0.0	84.8	2.759	Sand	<30	76	100	
77		Nigorigawa River	Before the confluence with Onogawa River	Fukushima City	2011/1/17	Clear	5.8	0.20	10.0	5	Olive black	None	—	10.5	4.3	12.1	62.4	10.1	0.6	84.4	2.715	Sand with gravel	<30	280	370	
78		Arakawa River	Hinokurabashi Bridge	Fukushima City	2011/1/16	Clear	7.6	0.30	8.3	5	Brown	None	—	—	—	2.2	30.7	39.3	7.8	69.3	2.710	Sand	<30	120	150	
79		Onakawa River	Onakawabashi Bridge	Fukushima City	2011/1/16	Sunny	7.8	0.40	9.8	5	Brown	None	—	15.0	11.1	26.1	44.6	3.9	0.4	81.0	2.706	Sand with gravel	<30	59	78	
80		Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/16	Clear	8.6	0.50	11.4	5	Dark brown	None	—	—	0.5	61.4	37.1	1.0	1.0	75.9	2.735	Sand	<30	190	270	
81		Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/16	Sunny	8.2	0.30	8.4	5	Brown	None	—	14.8	7.4	40.1	35.1	1.2	1.4	85.0	2.659	Sand with gravel	<30	180	220	
82		Hattandagawa River	Hattandabashi Bridge	Fukushima City	2011/1/16	Sunny	5.2	0.30	8.8	5	Brownish black	None	8.8	18.2	9.4	16.4	39.6	7.5	0.1	84.1	2.676	Sand with gravel	<30	1,200	1,500	
83		Sakumagawa River	Itosunabashi Bridge	Fukushima City	2011/1/30	Cloudy	10.6	0.40	10.4	5	Olive brown	None	—	28.0	29.6	26.6	14.9	0.9	0.0	85.7	2.613	Sand with gravel	<30	76	110	
84		Sakumagawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/30	Cloudy	9.6	0.40	9.9	5	Olive brown	None	—	—	3.9	20.8	39.6	15.5	0.2	80.7	2.645	Sand	<30	260	370	
85		Abukumagawa River	Taishobashi Bridge	Dateshi City	2011/1/15	Sunny	12.4	0.50	11.8	5	Brown	None	—	—	0.2	1.6	25.0	52.3	13.4	53.8	2.675	Sand with silt	<30	1,200	1,500	
86		Hironegawa River	Tatenokoshibashi Bridge	Yamaguchi City	2011/1/29	Sunny	15.0	0.50	10.8	10	Brown	None	—	—	—	5.9	85.8	7.6	0.9	79.9	2.704	Sand	<30	450	580	
87		Hironegawa River	Izozogawabashi Bridge	Dateshi City	2011/1/15	Cloudy	7.8	0.30	11.0	5	Olive black	None	—	0.3	6.6	38.4	51.8	1.1	1.8	82.9	2.674	Sand	<30	380	490	
88		Ogumigawa River	Before the confluence with Hironegawa River	Dateshi City	2011/1/15	Cloudy	8.6	0.30	11.8	5	Brown	Faint putrescence	—	1.1	7.6	35.7	42.2	9.6	3.8	80.7	2.661	Sand	<30	2,100	2,500	
89		Hironegawa River	Before the confluence with Abukumagawa River	Dateshi City	2011/1/15	Sunny	12.4	0.50	14.4	5	Olive brown	None	—	0.3	8.9	27.1	48.9	11.0	3.8	85.3	2.695	Sand	<30	540	740	
90		Kurokawa River	Prefectural border with Iochigi	Shikama City	2011/1/26	Clear	2.5	0.40	6.0	5	Brownish black	None	—	0.4	1.6	10.8	76.7	9.5	1.0	81.1	2.838	Sand	<30	18	37	
91		Others	Kujigawa River	Matsuokabashi Bridge	Yamaguchi City	2011/1/25	Cloudy	10.5	0.50	9.6	5	Black	None	—	10.8	38.7	40.4	10.0	0.1	0.0	92.9	2.682	Sand	<30	10	13
92			Kujigawa River	Takachiharabashi Bridge	Yamaguchi City	2011/1/25	Cloudy	9.5	0.70	8.6	5	Dark yellowish brown	None	—	—	0.3	23.0	74.3	0.8	1.6	87.3	2.675	Sand	<30	<10	14

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

River (Nakadori Area): 2nd Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Surrounding environment (soil and air dose)							Surrounding environment (soil and air dose)							Remarks	
No.	Water body	Point	Municipality				Left bank							Right bank								
							Soil			Air dose (μSv/h)	Soil			Air dose (μSv/h)								
							General items	Radioactive material	General items		Radioactive material concentrations (Bq/kg (dry))											
Color	Odor	Property	Radioactive iodine-131 Cs-134	Radioactive cesium Cs-137	Color	Odor	Property	Radioactive iodine-131 Cs-134	Radioactive cesium Cs-137													
49	Abukumagawa River	Habutobashi Bridge	Nishigomori Village	2011/1/22	Sunny	6.8	Brownish black	None	Loamy	<30	2,600	3,100	0.65	Dark brown	None	Loamy	<30	1,100	1,400	0.79		
50	Abukumagawa River	Tamachohashi Bridge	Shirakawashi City	2011/1/26	Sunny	4.7	Brownish black	Faint earth	Loamy	<30	1,900	2,400	0.34	Brownish black	Faint earth	Loamy	<30	890	1,100	0.40		
51	Yatagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2011/1/25	Cloudy	7.6	Olive brown	Faint earth	Loamy	<30	6,300	8,000	0.60	Brownish black	Faint earth	Loamy	<30	3,700	4,500	0.48		
52	Yashirogawa River	Yashirogawabashi Bridge	Tanagawamachi Town	2011/1/25	Sunny	7.8	Black	Faint earth	Loamy	<30	420	540	0.18	Black	Faint earth	Loamy	<30	870	1,000	0.16		
53	Kitasugawa River	Yanagibashi Bridge	Hiratanuma Village	2011/1/24	Cloudy	5.4	Brownish black	Faint earth	Loamy	<30	510	630	0.18	Dark brown	Faint earth	Loamy	<30	190	220	0.17		
54	Imadegawa River	Nekonakibashi Bridge	Ihikawamachi Town	2011/1/24	Cloudy	10.2	Brownish black	Faint earth	Loamy	<30	400	540	0.17	Brownish black	Faint earth	Loamy	<30	350	450	0.15		
55	Yashirogawa River	Onbashi Bridge	Ihikawamachi Town	2011/1/25	Cloudy	6.1	Brownish black	Faint earth	Loamy	<30	270	380	0.12	Brownish black	Faint earth	Loamy	<30	850	1,100	0.15		
56	Abukumagawa River	Kawanomebashi Bridge	Tanagawamachi Village	2011/1/25	Cloudy	7.9	Brownish black	Faint earth	Loamy	<30	220	270	0.10	Dark brown	Faint earth	Loamy	<30	720	940	0.12		
57	Abukumagawa River	Emochibashi Bridge	Sukagawashi City	2011/1/24	Sunny	8.2	Brownish black	Faint earth	Loamy	<30	1,600	1,900	0.23	Dark brown	Faint earth	Loamy	<30	1,100	1,400	0.21		
58	Shakadogawa River	Sukagawashi City water intake point	Sukagawashi City	2011/1/25	Rain	4.7	Brownish black	Faint earth	Loamy	<30	750	910	0.23	Brownish black	Faint earth	Loamy	<30	850	1,000	0.24		
59	Shakadogawa River	Before the confluence with Abukumagawa River	Sukagawashi City	2011/1/24	Sunny	10.6	Dark brown	Faint earth	Loamy	<30	1,700	2,100	0.30	Dark brown	Faint earth	Loamy	<30	1,900	2,400	0.28		
60	Sasaharagawa River	Shinbashi Bridge	Koriyamashi City	2011/1/24	Sunny	10.8	Dark brown	Faint earth	Loamy	<30	1,700	2,200	0.51	Dark brown	Faint earth	Loamy	<30	2,100	2,600	0.48		
61	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2011/1/24	Sunny	11.5	Dark brown	Faint earth	Loamy	<30	2,100	2,700	0.34	Dark brown	Faint earth	Loamy	<30	1,800	2,400	0.37		
62	Okaneigawa River	Funehikibashi Bridge	Tamurashi City	2011/1/28	Cloudy	15.9	Dark brown	Faint earth	Loamy	<30	930	1,200	0.27	Brownish black	Faint earth	Sandy	<30	1,800	2,200	0.29		
63	Okaneigawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/1/28	Cloudy	14.7	Dark brown	Faint earth	Sandy	<30	4,000	5,000	0.54	Brownish black	Faint earth	Sandy	<30	1,600	2,100	0.52		
64	Ousegawa River	Before the confluence with Bahagawa River	Koriyamashi City	2011/1/24	Sunny	7.1	Dark brown	Faint earth	Loamy	<30	950	1,200	0.54	Dark brown	Faint earth	Clay-loamy	<30	1,700	2,100	0.59		
65	Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2011/1/23	Cloudy	12.3	Dark brown	Faint earth	Loamy	<30	4,400	5,600	0.79	Dark brown	Faint earth	Loamy	<30	3,700	4,500	0.79		
66	Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2011/1/23	Sunny	13.0	Dark brown	Faint earth	Clay-loamy	<30	7,700	10,000	0.99	Brownish black	Faint earth	Clay-loamy	<30	4,600	5,700	1.27		
67	Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2011/1/23	Sunny	10.4	Dark olive brown	Faint earth	Sandy	<30	3,100	4,000	0.38	Brownish black	Faint earth	Loamy	<30	1,200	1,500	0.57		
68	Gohyakugawa River	After the confluence with Ishimuragawa River	Koriyamashi City	2011/1/23	Cloudy	4.9	Dark brown	Faint earth	Loamy	<30	2,700	3,500	0.38	Dark brown	Faint earth	Loamy	<30	2,300	3,100	0.37		
69	Gohyakugawa River	Kamisekishitabashi Bridge	Motomiyaishi City	2011/1/23	Sunny	6.0	Dark brown	Faint earth	Loamy	<30	6,300	8,000	0.80	Dark brown	Faint earth	Loamy	<30	3,900	5,100	0.87		
70	Gohyakugawa River	Before the confluence with Abukumagawa River	Motomiyaishi City	2011/1/22	Sunny	8.6	Dark olive brown	Faint earth	Clay-loamy	<30	3,700	4,500	0.99	Dark olive brown	Faint earth	Clay-loamy	<30	3,000	3,800	0.98		
71	Abukumagawa River	Takadabashi Bridge	Nishimatsunishi City	2011/1/22	Sunny	8.9	Olive brown	Faint earth	Sandy	<30	16	34	0.42	Dark olive brown	Faint earth	Sandy	<30	680	800	0.42		
72	Kuchibutogawa River	Kuchibutogawabashi Bridge	Nishimatsunishi City	2011/1/29	Cloudy	14.8	Dark brown	Faint earth	Loamy	<30	1,500	1,900	0.53	Dark brown	Faint earth	Clay-loamy	<30	1,200	1,500	0.49		
73	Utsushigawa River	Osegawabashi Bridge	Nishimatsunishi City	2011/1/26	Clear	5.3	Brownish black	Faint earth	Loamy	<30	800	2,300	0.93	Brownish black	Faint earth	Loamy	<30	1,300	1,600	1.08		
74	Mizuharagawa River	Getouchibashi Bridge	Fukushima City	2011/1/25	Rain	3.8	Brownish black	Faint earth	Loamy	<30	1,600	2,000	1.41	Brownish black	Faint earth	Loamy	<30	910	1,200	1.40		
75	Megamagawa River	Isurumakibashi Bridge	Fukushima City	2011/1/26	Snow	4.8	Brownish black	Faint earth	Loamy	<30	1,000	1,300	1.07	Olive brown	Faint earth	Loamy	<30	2,800	3,600	0.94		
76	Abukumagawa River	Horabashi Bridge	Fukushima City	2011/1/26	Clear	4.5	Brownish black	Faint earth	Loamy	<30	1,900	2,400	0.79	Brownish black	Faint earth	Loamy	<30	13,000	17,000	1.08		
77	Nigorogawa River	Before the confluence with Omiragawa River	Fukushima City	2011/1/17	Clear	5.8	Brownish black	Faint earth	Loamy	<30	4,300	5,400	2.46	Brown	Faint earth	Loamy	<30	4,100	5,200	2.30	*	
78	Arakawa River	Hinokurabashi Bridge	Fukushima City	2011/1/16	Clear	7.6	Brown	Faint earth	Loamy	<30	680	820	0.39	Dark brown	Faint earth	Loamy	<30	620	800	0.39	*	
79	Sukawa River	Sukawabashi Bridge	Fukushima City	2011/1/16	Sunny	7.8	Brownish black	Faint earth	Loamy	<30	900	1,000	1.24	Dark brown	Faint earth	Loamy	<30	2,900	3,600	1.02	*	
80	Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/16	Clear	8.6	Dark brown	None	Clay-loamy	<30	2,000	2,400	3.20	Brownish black	Faint earth	Loamy	<30	8,500	10,000	3.74	*	
81	Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/16	Sunny	8.2	Brownish black	Faint earth	Loamy	<30	7,900	9,600	3.74	Dark brown	Faint earth	Loamy	<30	5,100	6,500	2.72	*	
82	Hattandagawa River	Hattandabashi Bridge	Fukushima City	2011/1/16	Sunny	5.2	Brownish black	Faint earth	Loamy	<30	7,700	9,700	1.63	Dark brown	Faint earth	Loamy	<30	3,900	5,000	1.75	*	
83	Surikamagawa River	Iotsunabashi Bridge	Fukushima City	2011/1/30	Cloudy	10.6	Olive brown	Faint earth	Loamy	<30	5,500	7,000	1.04	Olive brown	Faint earth	Sandy	<30	6,200	7,800	1.03		
84	Surikamagawa River	Before the confluence with Abukumagawa River	Fukushima City	2011/1/30	Cloudy	9.6	Brownish black	Faint earth	Loamy	<30	16,000	20,000	1.07	Olive brown	None	Loamy	<30	2,500	3,200	1.34		
85	Abukumagawa River	Taishobashi Bridge	Dateshi City	2011/1/15	Sunny	12.4	Brownish black	Faint earth	Loamy	<30	2,200	2,700	1.69	Brownish black	Faint earth	Loamy	<30	11,000	14,000	1.71	*	
86	Hirosegawa River	Tatenokoshibashi Bridge	Kawanomachi Town	2011/1/29	Sunny	15.0	Dark brown	Faint earth	Loamy	<30	2,200	2,700	0.87	Brownish black	Faint earth	Loamy	<30	5,200	6,500	0.85		
87	Hirosegawa River	Jizogawarabashi Bridge	Dateshi City	2011/1/15	Cloudy	7.8	Dark brown	Faint earth	Loamy	<30	1,300	1,700	1.94	Dark brown	Faint earth	Loamy	<30	4,900	6,200	1.93	*	
88	Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2011/1/15	Cloudy	8.6	Dark brown	Faint earth	Loamy	<30	4,200	5,300	1.77	Dark brown	Faint earth	Loamy	<30	6,700	8,400	1.87	*	
89	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2011/1/15	Sunny	12.4	Brownish black	Faint earth	Loamy	<30	4,200	5,300	1.96	Dark brown	Faint earth	Loamy	<30	1,000	1,300	1.46	*	
90	Kurokawa River	Prefectural border with Tochigi	Shirakawashi City	2011/1/26	Clear	2.5	Brownish black	Faint earth	Loamy	<30	1,700	2,200	0.37	Brownish black	Faint earth	Loamy	<30	2,700	3,400	0.38		
91	Others	Kujigawa River	Matsuokabashi Bridge	Tanagawamachi Town	2011/1/25	Cloudy	10.5	Brownish black	Faint earth	Loamy	<30	460	570	0.13	Brownish black	Faint earth	Loamy	<30	630	800	0.13	
92		Kujigawa River	Takachiharabashi Bridge	Yamatomachi Town	2011/1/25	Cloudy	9.5	Brownish black	Faint earth	Loamy	<30	36	40	0.08	Brownish black	Faint earth	Loamy	<30	76	97	0.08	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

River (Aizu Area): 2nd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature/℃	Full depth m	Water quality											Remarks	
No.	Water body	Point	Municipality					General items								Radioactive material concentrations (Bq/L)				
								Water temperature	Sampling depth m	Color	Odor	Transparency cm	Electrical conductivity	SS mg/L	Turbidity	Radioactive iodine	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
93	Aganogawa River System	Aganogawa River	Tajimabashi Bridge	Minamizunouchi Town	2011/11/15	Cloudy	6.8	0.40	10.1	0.0	Colorless transparent	None	100 or	7.3	3	1.9	<1	<1	<1	
94		Aganogawa River	Okawabashi Bridge	Aizuwakamatsuchi City	2011/11/24	Rain	7.5	0.30	9.9	0.0	Colorless transparent	None	100 or	5.6	1	2.3	<1	<1	<1	
95		Yukawa River	Takimibashi Bridge	Aizuwakamatsuchi City	2011/11/24	Rain	6.2	0.60	8.3	0.0	Colorless transparent	None	100 or	7.3	4	2.8	<1	<1	<1	
96		Yukawa River	Shinyukawabashi Bridge	Aizuwakamatsuchi City	2011/11/17	Sunny	7.6	0.30	9.4	0.0	Colorless transparent	None	100 or	11.6	3	2.4	<1	<1	<1	
97		Yukawa River	Before the confluence with Aganogawa River	Aizuwakamatsuchi City	2011/11/17	Sunny	7.4	0.40	9.6	0.0	Colorless transparent	None	100 or	23.1	3	2.8	<1	<1	<1	
98		Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2011/11/17	Sunny	9.9	0.30	10.2	0.0	Colorless transparent	None	100 or	11.4	4	3.9	<1	<1	<1	
99		Aganogawa River	Miyakobashi Bridge	Aizubangemachi Town	2011/11/17	Sunny	10.3	0.60	10.4	0.0	Colorless transparent	None	100 or	10.9	7	4.5	<1	<1	<1	
100		Nippushigawa River	Minamiohashi Bridge	Kitakatashi City	2011/11/18	Sunny	12.8	0.30	10.2	0.0	Colorless transparent	None	100 or	12.9	4	4.6	<1	<1	<1	
101		Kyuyukawa River	Awanomiyabashi Bridge	Yagoromatsu Village	2011/11/17	Sunny	12.9	0.30	10.8	0.0	Colorless transparent	None	78	20.4	9	9.1	<1	<1	<1	
102		Kyumiya River	Josukebashi Bridge	Aizubangemachi Town	2011/11/19	Cloudy	9.9	0.50	11.3	0.0	Colorless transparent	Faint sewage	59	13.8	22	11	<1	<1	<1	
103		Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2011/11/15	Cloudy	7.5	0.60	10.1	0.0	Colorless transparent	None	100 or	12.6	1	1.5	<1	<1	<1	
104		Tatsukigawa River	Shimokawarabashi Bridge	Kitakatashi City	2011/11/15	Cloudy	6.7	0.30	12.2	0.0	Colorless transparent	None	100 or	14.3	4	2.9	<1	<1	<1	
105		Nigorigawa River	Nigorigawabashi Bridge	Kitakatashi City	2011/11/15	Cloudy	7.0	0.30	12.1	0.0	Colorless transparent	None	100 or	12.6	2	2.7	<1	<1	<1	
106		Nigorigawa River	Yamazakibashi Bridge	Kitakatashi City	2011/11/19	Cloudy	9.6	0.30	10.5	0.0	Colorless transparent	None	100 or	14.3	4	3.8	<1	<1	<1	
107		Inagawa River	Aoyagibashi Bridge	Minamizunouchi Town	2011/11/15	Rain	4.2	0.50	8.5	0.0	Colorless transparent	None	100 or	6.3	1	1.0	<1	<1	<1	
108		Inagawa River	Kurosawabashi Bridge	Tadamimachi Town	2011/11/24	Rain	4.0	0.30	5.9	0.0	Grayish yellow green	None	7.5	3.5	220	160	<1	<1	<1	
109		Tadamigawa River	Nishitanibashi Bridge	Kanoyamatsuchi Town	2011/11/24	Rain	4.2	0.30	6.7	0.0	Grayish yellow green	None	4.5	4.0	81	79	<1	<1	<1	
110		Tadamigawa River	Fujibashi Bridge	Aizubangemachi Town	2011/11/16	Sunny	9.6	0.30	10.7	0.0	Yellow green	None	24	8.4	31	30	<1	<1	<1	
111		Aganogawa River	Shingo Dam	Kitakatashi City	2011/11/16	Clear	8.6	0.40	10.6	0.0	Yellow green	None	29.5	9.0	21	20	<1	<1	<1	
112	Others	Sukawa River	Sukawano	Minamizunouchi Town	2011/11/17	Sunny	3.7	0.40	6.2	0.0	Colorless transparent	None	100 or	91.0	<1	0.7	<1	<1	<1	
113		Nagasegawa	Koganebashi Bridge	Inawashiro	2011/11/17	Sunny	10.3	0.60	8.6	0.0	Yellow green	None	52	36.7	6	7.1	<1	<1	<1	

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

River (Aizu Area): 2nd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Sediment																	Remarks
No.	Water body	Point	Municipality					General items															Radioactive material		
								Moist temperature °C	Moist content %	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Moist content %	Property	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
93	Aganogawa River System	Aganogawa River Tajimabashi Bridge	Nishimatsudo Town	2011/1/1/15	Cloudy	6.8	0.40	9.2	5	Grayish yellow brown	None	—	0.3	0.5	5.8	86.2	5.0	2.2	79.7	2.633	Sand	<30	<10	<10	
94		Aganogawa River Okawabashi Bridge	Kakikatashi City	2011/1/1/24	Rain	7.5	0.30	9.9	5	Olive black	None	—	23.5	31.9	30.4	14.2	0.0	0.0	87.9	2.697	Sand with gravel	<30	<10	13	
95		Yukawa River Takimibashi Bridge	Kakikatashi City	2011/1/1/24	Rain	6.2	0.60	8.2	5	Dark olive brown	None	—	17.7	10.8	15.6	42.2	11.5	2.2	71.7	2.853	Sand with gravel	<30	150	170	
96		Yukawa River Shinyukawabashi Bridge	Kakikatashi City	2011/1/1/17	Sunny	7.6	0.30	9.4	5	Olive black	Faint mold	—	6.6	5.3	6.9	26.5	19.8	13.8	21.1	48.6	2.559	Silt with sand	<30	1,300	1,700
97		Yukawa River Before the confluence with Aganogawa River	Kakikatashi City	2011/1/1/17	Sunny	7.4	0.40	9.6	5	Dark yellowish brown	None	8.5	39.2	21.4	18.4	11.9	0.5	0.1	87.6	2.659	Sand with gravel	<30	110	130	
98		Miyakawa River Saikunabashi Bridge	Kakikatashi Town	2011/1/1/17	Sunny	9.9	0.30	10.2	10	Dark grayish yellow	None	—	—	—	1.0	67.9	31.0	0.1	79.0	2.665	Sand	<30	75	100	
99		Aganogawa River Miyakobashi Bridge	Kakikatashi Town	2011/1/1/17	Sunny	10.3	0.60	10.2	5	Olive black	None	—	—	0.3	3.2	56.8	34.9	4.8	70.8	2.674	Sand	<30	61	73	
100		Nishigawa River Minamiohashi Bridge	Kakikatashi City	2011/1/1/18	Sunny	12.8	0.30	10.2	5	Brownish black	None	—	—	0.3	7.2	85.2	4.5	2.8	80.0	2.651	Sand	<30	68	90	
101		Kyotakawa River Awanomiyabashi Bridge	Nishimatsudo Town	2011/1/1/17	Sunny	12.9	0.30	10.2	12	Olive black	None	—	—	—	—	0.6	8.3	47.0	44.1	35.6	2.465	Silt	<30	11,000	14,000
102		Kyotakawa River Josukebashi Bridge	Kakikatashi Town	2011/1/1/19	Cloudy	9.9	0.50	11.0	10	Brownish black	None	—	0.4	0.7	9.1	66.9	19.0	3.9	79.0	2.681	Sand with gravel	<30	230	290	
103		Tatsukigawa River Ohashi Bridge	Kakikatashi City	2011/1/1/15	Cloudy	7.5	0.60	10.0	5	Dark brown	None	—	22.7	34.6	28.9	12.2	1.6	0.0	74.2	2.583	Sand with gravel	<30	89	110	
104		Tatsukigawa River Shimokawarabashi Bridge	Kakikatashi City	2011/1/1/15	Cloudy	6.7	0.30	12.0	5	Dark brown	None	—	1.0	0.3	7.4	70.0	17.9	3.4	80.8	2.652	Sand	<30	74	95	
105		Nigorigawa River Nigorigawabashi Bridge	Kakikatashi City	2011/1/1/15	Cloudy	7.0	0.30	12.0	12	Dark brown	None	—	35.7	31.8	19.7	9.9	1.5	1.4	89.2	2.666	Gravel with sand	<30	13	23	
106		Nigorigawa River Yamazakibashi Bridge	Kakikatashi City	2011/1/1/19	Cloudy	9.6	0.30	10.4	10	Olive black	None	—	0.3	2.3	2.8	49.6	39.3	5.7	77.2	2.661	Sand	<30	56	83	
107		Inagawa River Aoyagibashi Bridge	Nishimatsudo Town	2011/1/1/15	Rain	4.2	0.50	8.0	10	Dark grayish yellow	None	—	1.6	23.5	52.2	16.8	5.6	0.3	86.0	2.643	Gravel with sand	<30	<10	<10	
108		Inagawa River Kurosawabashi Bridge	Nishimatsudo Town	2011/1/1/24	Rain	4.0	0.30	5.8	5	Grayish olive	None	—	—	0.3	0.2	26.7	44.7	20.5	7.6	75.6	2.669	Sand	<30	<10	<10
109		Tadanogawa River Nishitambashi Bridge	Kakikatashi Town	2011/1/1/24	Rain	4.2	0.30	6.7	5	Brownish black	None	—	12.4	23.4	30.1	24.4	5.3	4.4	79.2	2.681	Sand with gravel	<30	<10	<10	
110		Tadanogawa River Fujibashi Bridge	Kakikatashi Town	2011/1/1/16	Sunny	9.6	0.30	10.5	10	Dark grayish yellow	None	—	1.3	2.0	6.8	28.5	41.4	9.2	10.8	73.3	2.616	Sand with gravel	<30	<10	<10
111		Aganogawa River Shingo Dam	Kakikatashi City	2011/1/1/16	Clear	8.6	0.40	10.3	10	Olive brown	None	—	—	0.2	0.3	9.1	29.4	33.6	27.4	52.4	2.574	Silt	<30	560	660
112	Others	Sukawa River Sukawano	Nishimatsudo Town	2011/1/1/17	Sunny	3.7	0.40	6.2	5	Olive brown	None	—	21.4	14.7	41.6	20.8	0.5	1.0	82.5	2.639	Sand with gravel	<30	25	27	
113		Nagasega River Koganebashi Bridge	Inawash	2011/1/1/17	Sunny	10.3	0.60	9.2	5	Dark brown	None	—	16.4	13.6	30.8	35.5	2.5	1.2	86.1	2.683	Sand with gravel	<30	18	34	

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

River (Aizu Area): 2nd Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Surrounding environment (soil and air dose)							Surrounding environment (soil and air dose)							Remarks			
							Left bank							Right bank										
							Soil			Air dose				Soil			Air dose							
No.	Water body	Point	Municipality	General items	Radioactive material concentrations (Bq/kg (dry))		Air dose (μSv/h)	Color	Odor	Property	Radioactive iodine-131	Radioactive cesium		Color	Odor	Property	Radioactive iodine-131	Radioactive cesium		Air dose (μSv/h)				
					Cs-134	Cs-137						Cs-134	Cs-137					Cs-134	Cs-137					
93	Aganogawa River System	Aganogawa River	Tajimabashi Bridge	Minamimutsu Town	2011/11/15	Cloudy	6.8	Dark brown	Faint earth	Loamy	<30	180	210	0.05	Brownish black	Faint earth	Loamy	<30	42	55	0.05			
94		Aganogawa River	Okawabashi Bridge	Aizuwakamatsi City	2011/1/1/24	Rain	7.5	Brownish black	Faint earth	Sandy	<30	530	700	0.16	Very dark brown	Faint earth	Sandy	<30	250	380	0.10			
95		Yukawa River	Takimibashi Bridge	Aizuwakamatsi City	2011/1/1/24	Rain	6.2	Brownish black	Earth	Loamy	<30	1,500	1,900	0.25	Dark brown	Earth	Loamy	<30	410	550	0.22			
96		Yukawa River	Shinyukawabashi Bridge	Aizuwakamatsi City	2011/1/1/17	Sunny	7.6	Black	Faint earth	Loamy	<30	530	630	0.31	Brownish black	Faint earth	Loamy	<30	950	1,200	0.30			
97		Yukawa River	Before the confluence with Aganogawa River	Aizuwakamatsi City	2011/1/1/17	Sunny	7.4	Brownish black	Faint earth	Loamy	<30	2,100	2,700	0.30	Brownish black	Earth	Loamy	<30	1,200	1,500	0.29			
98		Miyakawa River	Saikunabashi Bridge	Aizuhangemachi Town	2011/1/1/17	Sunny	9.9	Black	Faint earth	Sandy	<30	5,600	7,200	0.30	Black	Earth	Loamy	<30	1,600	2,000	0.30			
99		Aganogawa River	Miyakobashi Bridge	Aizuhangemachi Town	2011/1/1/17	Sunny	10.3	Brownish black	Faint earth	Loamy	<30	670	880	0.36	Olive black	None	Loamy	<30	1,100	1,400	0.34			
100		Nippushigawa River	Minamiohashi Bridge	Kitakatashi City	2011/1/1/18	Sunny	12.8	Brownish black	Earth	Loamy	<30	3,300	4,000	0.37	Brownish black	Faint earth	Clay-loamy	<30	370	500	0.36			
101		Kyuyukawa River	Awanomiyabashi Bridge	Yagawamura Village	2011/1/1/17	Sunny	12.9	Black	Faint earth	Loamy	<30	1,200	1,600	0.44	Brownish black	Faint earth	Loamy	<30	1,100	1,400	0.33			
102		Kyumiyaikawa River	Josukebashi Bridge	Aizuhangemachi Town	2011/1/1/19	Cloudy	9.9	Brownish black	Earth	Loamy	<30	1,000	1,300	0.27	Brownish black	Faint earth	Clay-loamy	<30	1,600	2,000	0.27			
103		Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2011/1/1/15	Cloudy	7.5	Black	Faint earth	Loamy	<30	37	42	0.13	Black	Faint earth	Loamy	<30	820	1,000	0.15			
104		Tatsukigawa River	Shimokawarabashi Bridge	Kitakatashi City	2011/1/1/15	Cloudy	6.7	Brownish black	None	Loamy	<30	620	740	0.23	Brownish black	Faint earth	Loamy	<30	890	1,100	0.23			
105		Nigorigawa River	Nigorigawabashi Bridge	Kitakatashi City	2011/1/1/15	Cloudy	7.0	Brownish black	Faint earth	Loamy	<30	460	570	0.23	Brownish black	Faint earth	Sandy	<30	560	720	0.22			
106		Nigorigawa River	Yamazakibashi Bridge	Kitakatashi City	2011/1/1/19	Cloudy	9.6	Dark brown	Faint earth	Clay-loamy	<30	1,000	1,200	0.27	Dark brown	Earth	Loamy	<30	1,400	1,800	0.25			
107		Inagawa River	Aoyagibashi Bridge	Minamimutsu Town	2011/1/1/15	Rain	4.2	Brownish black	None	Loamy	<30	52	55	0.10	Brownish black	None	Loamy	<30	82	100	0.09			
108		Inagawa River	Kurosawabashi Bridge	Tadamirachi Town	2011/1/1/24	Rain	4.0	Brownish black	Faint earth	Loamy	<30	150	160	0.13	Brownish black	Faint earth	Loamy	<30	430	570	0.12			
109		Tadamigawa River	Nishitanibashi Bridge	Kanyamanashi Town	2011/1/1/24	Rain	4.2	Olive brown	None	Sandy	<30	<10	<10	0.10	Dark brown	Faint earth	Loamy	<30	95	110	0.12			
110		Tadamigawa River	Fujibashi Bridge	Aizuhangemachi Town	2011/1/1/16	Sunny	9.6	Dark green-yellow	Faint earth	Sandy	<30	16	14	0.08	Brownish black	Faint earth	Loamy	<30	150	160	0.12			
111		Aganogawa River	Shingo Dam	Kitakatashi City	2011/1/1/16	Clear	8.6	Brownish black	Faint earth	Loamy	<30	280	390	0.15	Brownish black	Earth	Loamy	<30	240	310	0.13			
112	Others	Sukawa River	Sukawano	Iizakabetsu Town	2011/1/1/17	Sunny	3.7	Red-yellowish brown	Faint leaf mold	Loamy	<30	660	870	0.15	Brownish black	Faint earth	Loamy	<30	640	780	0.15			
113		Nagasegawa River	Koganebashi Bridge	Iizakabetsu Town	2011/1/1/17	Sunny	10.3	Red-yellowish brown	Faint earth	Loamy	<30	520	660	0.08	Red-yellowish brown	Faint earth	Loamy	<30	140	200	0.07			

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

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

Lake and Headwater (Hamadori Area): 2nd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality											Remarks																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
No.	Water body	Point	Municipality					General items							Radioactive material concentrations (Bq/L)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
								Water temperature °C	Sampling depth m	Color	Odor	Acidity disk depth m	Visual turbidity	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Note: Sampling points are listed from north to south.

Lake and Headwater (Hamdori Area): 2nd Sediment Monitoring Results

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Note: Sampling points are listed from north to south.

Lake and Headwater (Hamadori Area): 2nd Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling g date	Weather	Air tempe rature ℃	Surrounding environment (soil and air dose)						Air dose (μSv/h)	Remarks
No.	Water body	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg dry)				
							Color	Odor	Property	Radioactive cesium Cs-134	Radioactive cesium Cs-137			
114	Soso (farm pond)	Takei	Shiohama Town	2011/1/23	Cloudy	11.5	Brownish black	Faint earth	Loamy	<30	2,100	2,500	0.38	
115	Soso (farm pond)	Uchiyawa	Somashi City	2011/1/29	Sunny	7.4	Brown	None	Loamy	<30	930	1,100	0.37	
116	Matsugabo Dam (Utawakawa Lake)		Somashi City	2011/1/24	Sunny	7.4	Brownish black	Faint earth	Loamy	<30	1,900	2,400	0.92	
117	Mano Dam		Itatamura Village	2011/1/24	Clear	10.8	Brownish black	Faint earth	Loamy	<30	2,500	3,000	1.69	Deliberate evacuation areas
118	Ganbe Dam Reservoir		Itatamura Village	2011/1/29	Sunny	15.6	Dark brown	Earth	Loamy	<30	15,000	19,000	2.14	Deliberate evacuation areas
119	Ikanokura Dam Reservoir		Minamimoroshi City	2011/1/28	Cloudy	14.0	Dark brown	Faint earth	Loamy	<30	4,800	6,000	2.97	Former evacuation-prepared areas in case of emergency
120	Yokokawa Dam Reservoir		Minamimoroshi City	2011/1/28	Cloudy	11.6	Brownish black	Faint earth	Loamy	<30	7,100	9,000	3.45	Former evacuation-prepared areas in case of emergency
121	Osaki Dam		Namienachi Town	2011/1/21	Sunny	7.6	Brownish black	Earth	Loamy	<30	150,000	190,000	19.68	Restricted areas
122	Sakashita Dam		Okumamachi Town	2011/1/21	Sunny	7.5	Brownish black	Faint earth	Loamy	<30	5,700	7,100	2.15	Restricted areas
123	Takikawa Dam		Kawouchimura Village	2011/1/21	Sunny	8.7	Dark olive brown	Faint earth	Loamy	<30	2,100	2,700	4.71	Restricted areas
124	Kido Dam		Narahamachi Town	2011/1/21	Cloudy	10.2	Olive brown	None	Loamy	<30	880	1,000	0.85	Restricted areas
125	Komachi Dam		Onomachi Town	2011/1/29	Sunny	12.8	Brownish black	Faint earth	Sandy	<30	460	610	0.27	
126	Iwaki (farm pond)	Shimke	Iwakishi City	2011/1/24	Clear	15.0	Brownish black	Faint earth	Sandy	<30	1,300	1,600	0.44	
127	Kodama Dam Reservoir (Kodamako Lake)		Iwakishi City	2011/1/24	Clear	11.0	Dark brown	Faint earth	Loamy	<30	320	440	0.22	
128	Iwaki (farm pond)	Kanoritsutsumishita	Iwakishi City	2011/1/25	Sunny	8.8	Brownish black	None	Loamy	<30	390	530	0.29	
129	Takashiba Dam Reservoir (Takashibako Lake)		Iwakishi City	2011/1/22	Sunny	8.1	Brownish black	Faint earth	Loamy	<30	7,100	8,900	0.35	
130	Shitoki Dam Reservoir		Iwakishi City	2011/1/22	Sunny	9.4	Brownish black	Faint earth	Loamy	<30	2,300	2,900	0.44	

Note: • Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

- Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 2nd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature/℃	Full depth/m	Water quality											Remarks
No.	Water body	Point	Municipality					General items							Radioactive material concentrations (Bq/L)				
								Water temperature/℃	Sampling depth/m	Color	Odor	Stochi disk depth/cm	Visual coloration	SS mg/l	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137	
131	Surikamigawa Dam Reservoir		Fukushima City	2011/11/30	Cloudy	8.9	64.8	9.1	0.5	Not green color given	None	4.2	3.8	2	2.5	<1	<1	<1	
	1 m from the bottom							7.2	63.8		None		3.9	1	2.7	<1	<1	<1	
132	Ken-poku (farm pond)	Handanuma Lake	Korimachi Town	2011/11/16	Sunny	1.4	0.5	8.6	0.0	Not green color given	None	0.5 or	12.3	10	9.1	<1	<1	<1	
133	Ken-poku (farm pond)	Oike Pond	Motomiyashi City	2011/11/22	Sunny	12.5	0.6	11.0	0.0	Greenish brown	None	0.6 or	6.4	4	6.7	<1	<1	<1	
134	Miharu Dam		Miharumachi Town	2011/11/29	Sunny	7.8	26.2	10.4	0.5	Greenish yellow given	None	1.5	10.7	5	9.3	<1	<1	<1	
	1 m from the bottom							9.6	25.2		None		10.8	8	13	<1	<1	<1	
135	Kenchu (farm pond)	Hounokusa	Koriyamashi City	2011/11/24	Sunny	8.0	0.8	9.8	0.0	Not green color given	None	0.8 or	10.2	11	14	<1	<1	<1	
136	Hatoriko Lake		Tenemura Village	2011/11/22	Cloudy	2.1	8.4	5.0	0.5	Ocher	None	0.5	3.3	11	15	<1	<1	<1	
	1 m from the bottom							5.2	7.4		None		3.6	10	15	<1	<1	<1	
137	Kenchu (farm pond)	Hirodaira	Sukagawashi City	2011/11/25	Rain	5.5	0.6	8.0	0.0	Greenish brown	None	0.6 or	13.3	3	5.9	<1	<1	<1	
138	Sengosawa Dam Reservoir		Ishikawamachi Town	2011/11/24	Cloudy	9.2	16.2	10.2	0.5	Not green color given	None	2.2	11.5	3	4.8	<1	<1	<1	
	1 m from the bottom							6.4	15.2		Putrescence		35.7	60	83	<1	<1	<1	
139	Ken-nan (farm pond)	Wataririke Pond	Yabukimachi Town	2011/11/25	Cloudy	7.6	0.2	9.1	0.0	Yellow transparent	None	0.2 or	23.0	7	8.2	<1	<1	<1	
140	Ken-nan (farm pond)	Izumikawa River	Shirakawashi City	2011/11/26	Clear	8.6	0.5	9.1	0.0	Greenish brown	None	0.5 or	24.1	3	7.2	<1	<1	<1	
141	Hokkawa Dam		Nishigomura Village	2011/11/22	Sunny	7.2	24.5	8.0	0.5	Not green color given	None	2.1	4.1	2	4.7	<1	<1	<1	
	1 m from the bottom							8.2	23.5		None		4.1	3	5.0	<1	<1	<1	
142	Nanko Lake		Shirakawashi City	2011/11/26	Clear	8.4	1.3	7.6	0.0	Not green color given	None	1.3 or	16.8	6	8.1	<1	<1	<1	

Note: Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 2nd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature/℃	Full depth/m	Sediment																	Remarks
No.	Water body	Point	Municipality					General items										Radioactive material concentrations (Bq/g)							
								Moist temperature/℃	Moisture ratio/%	Color	Odor	Stochi disk depth/cm	Visual coloration	Loss on ignition/%	Loss on combustion/%	Silt	Clay	Mud	Soil	Property	Radioactive iodine-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
131	Surikamigawa Dam Reservoir		Fukushima	2011/11/30	Cloud	8.9	64.8	10.3	5	Olive	None		1.0	2.6	10.1	56.1	12.5	4.4	13.3	79.3	2.637	Sand with silt	<30	250	320
132	Ken-poku (farm pond)	Handanuma Lake	Korimachi Town	2011/11/16	Sunny	1.4	0.5	8.4	5	Olive black	Faint mold		0.7	1.1	4.6	11.1	33.0	49.5	29.6	2.442	Silt with sand	<30	9,900	12,000	
133	Ken-poku (farm pond)	Oike Pond	Motomiyashi City	2011/11/22	Sunny	12.5	0.6	11.1	5	Grayish olive	None		8.9	20.9	26.1	23.0	14.8	6.3	81.0	2.635	Sand	<30	1,800	2,200	
134	Miharu Dam		Miharumachi Town	2011/11/29	Sunny	7.8	26.2	10.4	5	Olive black	None		2.3	2.1	2.6	4.1	27.5	61.4	37.5	2.371	Silt with sand	<30	<10	<12	
135	Kenchu (farm pond)	Hounokusa	Koriyamashi City	2011/11/24	Sunny	8.0	0.8	9.7	5	Olive brown	None		9.0	13.6	24.1	20.5	10.5	9.7	12.6	78.5	2.716	Ground sand with silt	<30	160	240
136	Hatoriko Lake		Tenemura Village	2011/11/22	Cloudy	2.1	8.4	8.5	5	Brownish black	Earth					0.4	47.0	52.6	25.8	2.382	Silt	<30	940	1,300	
137	Kenchu (farm pond)	Hirodaira	Sukagawashi City	2011/11/25	Rain	5.5	0.6	7.9	5	Grayish olive	Faint mold		9.3	9.3	15.8	20.9	10.9	12.6	21.2	63.7	2.671	Silt with sand	<30	250	320
138	Sengosawa Dam Reservoir		Ishikawamachi Town	2011/11/24	Cloudy	9.2	16.2	5.5	10	Olive black	Faint putrescence					2.7	15.6	81.7	22.2	2.351	Silt	<30	520	720	
139	Ken-nan (farm pond)	Watarike Pond	Yabukimachi Town	2011/11/25	Cloudy	7.6	0.2	9.0	5	Dark brown	None		0.7	5.7	35.3	20.0	15.9	22.4	54.1	2.619	Sand with silt	<30	250	300	
140	Ken-nan (farm pond)	Izumikawa River	Shirakawashi City	2011/11/26	Clear	8.6	0.5	8.7	5	Brownish black	Faint mold		0.4	3.7	25.2	31.9	48.8	30.1	12.505	Silt	<30	6,300	8,000		
141	Hokkawa Dam		Nishigomura Village	2011/11/22	Sunny	7.2	24.5	10.1	10	Brownish black	None				0.8	3.6	48.6	47.0	26.7	2.468	Silt	<30	2,900	3,900	
142	Nanko Lake		Shirakawashi City	2011/11/26	Clear	8.4	1.3	9.0	5	Black	Faint mold				5.3	7.2	35.9	51.6	17.7	2.319	Silt	<30	980	1,000	

Note: Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area) : 2nd Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature/℃	Surrounding environment (soil and air dose)							Remarks	
No.	Water body	Point	Municipality				General items			Soil			Air dose (μSv/h)		
							Color	Odor	Property	Radioactive iodine	Radioactive cesium Cs-134	Cs-137			
131	Surikamigawa Dam Reservoir		Fukushimashi City	2011/11/30	Cloudy	8.9	Olive brown	Faint earth	Loamy		<30	640	800	0.26	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—
132	Ken-poku (farm pond)	Handanuma Lake	Korimachi Town	2011/11/16	Sunny	1.4	Brown	None	Clay-loamy		<30	290	390	1.13	*
133	Ken-poku (farm pond)	Oike Pond	Motomiyashi City	2011/11/22	Sunny	12.5	Brownish black	Faint earth	Loamy		<30	18,000	23,000	0.78	
134	Miharu Dam		Miharumachi Town	2011/11/29	Sunny	7.8	Brownish black	Faint earth	Loamy		<30	570	690	0.32	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—
135	Kenchu (farm pond)	Hounokusa	Koriyamashi City	2011/11/24	Sunny	8.0	Yellowish brown	Faint earth	Clayey		<30	74	87	0.28	
136	Hatoriko Lake		Tenemura Village	2011/11/22	Cloudy	2.1	Brownish black	Earth	Loamy		<30	660	810	0.30	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—
137	Kenchu (farm pond)	Hirodaira	Sukagawashi City	2011/11/25	Rain	5.5	Black	Faint earth	Loamy		<30	520	700	0.15	
138	Sengosawa Dam Reservoir		Ishikawamachi Town	2011/11/24	Cloudy	9.2	Black	Faint earth	Loamy		<30	940	1,100	0.22	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—
139	Ken-nan (farm pond)	Watariike Pond	Yabukimachi Town	2011/11/25	Cloudy	7.6	Dark brown	Faint earth	Loamy		<30	1,700	2,300	0.29	
140	Ken-nan (farm pond)	Izumikawa River	Shirakawashi City	2011/11/26	Clear	8.6	Black	Faint earth	Loamy		<30	1,200	1,400	0.39	
141	Hokkawa Dam		Nishigomura Village	2011/11/22	Sunny	7.2	Brown	Earth	Loamy		<30	1,200	1,500	0.63	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—
142	Nanko Lake		Shirakawashi City	2011/11/26	Clear	8.4	Brownish black	Faint earth	Loamy		<30	4,200	5,800	0.37	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd. For points with * in the Remarks column, a survey meter, Model 3 of Ludlum Measurement Inc. was used. Figures measured with the Model 3 had a tendency to be a little higher than those measured with a TCS-172 or TCS-161 (about 1.6 times higher).

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

Lake and Headwater (Aizu Area): 2nd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality											Remarks
No.	Water body	Point	Municipality					General items							Radioactive material				
								Water temperature °C	Sampling depth m	Color	Odor	Sludge disk depth m	Visual conductance	SS mg/l	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137	
143	Nicchu Dam		Kitakata-shi City	2011/11/16	Sunny	5.4	44.6	9.8	0.5	Dark green	None	5.1	12.9	<1	1.9	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	7.4	43.6	—	Faint hydrogen sulfide	—	54.0	9	19	<1	<1	<1	
144	Soharako Lake		Kitashibaramura Village	2011/11/23	Clear	7.2	1.0	6.4	0.0	Dark green	None	1.0 or	27.2	2	3.6	<1	<1	<1	
145	Hibarako Lake		Kitashibaramura Village	2011/11/23	Clear	5.2	20.5	8.5	0.5	Dark color green	None	2.6	4.7	3	5.5	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	8.6	19.5	—	None	—	4.7	3	5.8	<1	<1	<1	
146	Onogawako Lake		Kitashibaramura Village	2011/11/23	Clear	8.1	16.8	7.6	0.5	Dark color green	None	4.1	4.2	1	3.4	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	7.9	15.8	—	None	—	4.1	1	2.8	<1	<1	<1	
147	Akimotoko Lake		Inawashiro-machi Town	2011/11/23	Cloudy	6.3	31.1	8.2	0.5	Dark color green	None	3.6	37.7	2	4.7	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	8.3	30.1	—	None	—	37.8	2	4.0	<1	<1	<1	
148	Bishamonnuma Lake		Kitashibaramura Village	2011/11/17	Sunny	7.9	8.0	9.2	0.5	Green	None	5.1	77.0	1	3.5	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	7.9	7.0	—	None	—	78.0	1	2.3	<1	<1	<1	
149	Oguninuma Lake		Kitashibaramura Village	2011/11/23	Cloudy	4.1	4.2	4.0	0.5	Dark color green	None	2.6	1.4	2	3.9	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	4.0	3.2	—	None	—	1.4	3	4.7	<1	<1	<1	
150	Aizu (farm pond) Onuma Lake		Nishiazumachi Town	2011/11/16	Clear	6.4	0.4	10.4	0.0	Yellow green	None	0.4	7.2	6	6.5	<1	<1	<1	
151	Inawashiroko Lake		Aizuwakamatsuchi City	2011/11/19	Cloudy	9.3	94.0	11.3	0.5	Dark green	None	13.5	12.8	1	1.2	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	5.7	93.0	—	None	—	12.7	<1	1.1	<1	<1	<1	
152	Higashiyama Dam Reservoir		Aizuwakamatsuchi City	2011/11/16	Cloudy	7.1	34.4	9.8	0.5	Dark color green	None	3.1	5.4	2	3.3	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	5.0	33.4	—	Faint hydrogen sulfide	—	6.8	5	8.4	<1	<1	<1	
153	Numazawako Lake		Kaneyamachi Town	2011/11/25	Snow	3.1	95.4	8.8	0.5	Dark blue green	None	12.5	3.7	<1	1.0	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	4.1	94.4	—	None	—	3.5	1	2.5	<1	<1	<1	
154	Aizu (farm pond) Terairi		Aizumatsuchi Town	2011/11/16	Cloudy	8.7	0.6	9.1	0.0	Dark green	None	0.6 or	7.8	3	6.7	<1	<1	<1	
155	Okawa Dam Reservoir		Aizuwakamatsuchi City	2011/11/28	Cloudy	4.2	32.2	8.9	0.5	Dark green	None	3.6	5.2	1	2.5	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	8.2	31.2	—	None	—	5.1	3	3.8	<1	<1	<1	
156	Tagokura Reservoir		Tadamimachi Town	2011/11/18	Sunny	1.7	3.5	11.4	0.0	Yellow green	None	1.8	3.8	5	8.3	<1	<1	<1	Water and mud sampling tried from the dam body with the guidance of dam administrator, but
157	Minamiaizu (farm pond) Fukui		Tadamimachi Town	2011/11/18	Sunny	5.3	0.6	9.7	0.0	Dark color green	None	0.3	3.0	13	19	<1	<1	<1	
158	Tajima Dam Reservoir (Funehanako Lake)		Minamiazumachi Town	2011/11/15	Cloudy	6.2	10.4	9.8	0.5	Dark green	None	3.4	4.9	2	3.1	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	9.8	9.4	—	None	—	4.2	2	2.7	<1	<1	<1	
159	Okutadami Reservoir		Tadamimachi Town	2011/11/23	Clear	7.2	5.0	11.5	0.0	Yellow green	None	0.6	3.9	6	11	<1	<1	<1	
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
160	Ozenuma Lake		Hinoematsamura Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to winter road closing, etc.

Note: Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 2nd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Water temperature (°C)	Full depth (m)	Sediment																	Remarks				
No.	Water body	Point	Municipality					General items																					
								Mechanical composition										Radioactive cesium concentration (Bq/g (dried matter))											
								Mud temperature (°C)	Water content (%)	Color	Odor	Coarse gravel (%)	Medium gravel (%)	Fine gravel (%)	Coarse sand (%)	Medium sand (%)	Silt (%)	Clay (%)	Mud (%)	Soil (%)	Property	Subacute index (1)	Cs-134	Cs-137					
143	Nicchu Dam		Kakikatah City	2011/11/16	Sunny	5.4	44.6	7.8	10	Olive black	Strong tobacco smell	—	—	—	—	0.4	3.9	49.7	46.0	31.6	2.581	Silt	—	<30	620	760			
144	Soharako Lake		Shiohachiyama Village	2011/11/23	Clear	7.2	1.0	6.6	8	Black	None	—	5.3	5.2	18.7	49.9	20.5	—	0.4	82.3	2.745	Sand with gravel	<30	86	110				
145	Hibarako Lake		Shiohachiyama Village	2011/11/23	Clear	5.2	20.5	9.0	10	Olive black	None	—	—	—	—	0.5	33.2	66.3	19.8	2.413	Silt	—	<30	170	310				
146	Onogawako Lake		Shiohachiyama Village	2011/11/23	Clear	8.1	16.8	8.2	10	Brownish black	None	—	—	—	—	0.4	58.8	40.8	24.8	2.434	Silt	—	<30	<10	57				
147	Akimotoko Lake		Shiohachiyama Town	2011/11/23	Cloudy	6.3	31.1	8.5	10	Olive black	None	—	—	—	—	—	43.3	56.7	34.5	2.578	Silt	—	<30	920	1,100				
148	Bishamonnuma Lake		Shiohachiyama Village	2011/11/17	Sunny	7.9	8.0	11.5	10	Brownish black	None	—	—	—	—	1.3	9.4	89.3	5.8	2.579	Silt with sand	<30	<10	<21					
149	Ogunnuma Lake		Shiohachiyama Village	2011/11/23	Cloudy	4.1	4.2	4.2	10	Brownish black	None	—	—	—	—	1.1	34.1	64.8	12.0	2.065	Silt	—	<30	680	990				
150	Aizu (farm pond) Onuma Lake		Shiohachiyama Town	2011/11/16	Clear	6.4	0.4	10.2	12	Brownish black	None	—	3.5	5.5	6.7	30.4	23.4	15.0	15.5	66.2	2.504	Gravel sand with silt	<30	12	16				
151	Inawashiroko Lake		Shiohachiyama City	2011/11/19	Cloudy	9.3	94.0	5.7	10	Black	Strong tobacco smell	—	—	—	—	1.5	41.8	56.7	21.5	2.472	Silt	—	<30	<10	<18				
152	Higashiyama Dam Reservoir		Shiohachiyama City	2011/11/16	Cloudy	7.1	34.4	5.1	10	Olive black	Faint tobacco smell	—	—	—	—	0.3	1.8	28.3	69.6	27.8	2.456	Silt with sand	<30	110	180				
153	Numazawako Lake		Kanematsu City	2011/11/25	Snow	3.1	95.4	5.1	10	Olive black	None	—	—	—	—	0.9	38.3	60.8	19.2	2.571	Silt	—	<30	<11	59				
154	Aizu (farm pond) Terai		Shiohachiyama Town	2011/11/16	Cloudy	8.7	0.6	9.0	10	Olive black	Faint earth	—	0.6	2.8	5.7	16.4	12.7	26.3	35.5	35.4	2.533	Silt	—	<30	730	910			
155	Okawa Dam Reservoir		Shiohachiyama City	2011/11/28	Cloudy	4.2	32.2	8.4	10	Olive black	None	—	—	—	—	1.3	61.3	37.4	40.7	2.551	Silt	—	<30	490	630				
156	Togokura Reservoir		Tadami Town	2011/11/18	Sunny	1.7	3.5	—	—	—	—	—	—	—	—	—	—	—	—	0.000	—	—	—	—	—	—	Water and mud sampling tried from the dam body under the guidance of dam administrator, but unable to collect sediment sample.		
157	Minamiaizu (farm pond) Fukui		Tadami Town	2011/11/18	Sunny	5.3	0.6	9.4	10	Brownish black	Faint seaweed	—	—	0.2	0.8	13.1	55.7	18.5	11.7	69.1	2.632	Sand with silt	<30	23	24				
158	Tajima Dam Reservoir (Funchanako Lake)		Shiohachiyama Town	2011/11/15	Cloudy	6.2	10.4	10.4	12	Brownish black	None	—	—	—	0.4	4.2	30.2	45.2	24.3	2.298	Silt	—	<30	<10	<10				
159	Okutadami Reservoir		Tadami Town	2011/11/23	Clear	7.2	5.0	11.4	8	Brownish black	None	—	47.0	22.8	15.8	8.1	2.4	—	3.9	82.0	2.960	Gravel with sand	<30	<10	18				
160	Ozenuma Lake		Shiohachiyama Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to winter road closing, etc.		

Note: Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 2nd Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature (°C)	Surrounding environment (soil and air dose)							Air dose (μSv/h)	Remarks
No.	Water body	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))					
							General items			Radioactive iodine-131		Radioactive cesium			
				Color	Odor	Property		Cs-134	Cs-137						
143	Nicchu Dam	1 m from the bottom	Kitakatashi City	2011/11/16	Sunny	5.4	Brown	Faint earth	Loamy	<30	92	150	0.10		
144	Soharako Lake		Kitashibaramura Village	2011/11/23	Clear	7.2	Brownish black	Earth	Loamy	<30	2,600	3,200	0.23		
145	Hibarako Lake	1 m from the bottom	Kitashibaramura Village	2011/11/23	Clear	5.2	Dark brown	Faint earth	Loamy	<30	560	740	0.21		
146	Onogawako Lake		Kitashibaramura Village	2011/11/23	Clear	8.1	Brownish black	Faint earth	Loamy	<30	1,200	1,600	0.31		
147	Akimotoko Lake	1 m from the bottom	Inawashiro-machi Town	2011/11/23	Cloudy	6.3	Brownish black	None	Loamy	<30	980	1,200	0.20		
148	Bishamonnuma Lake	1 m from the bottom	Kitashibaramura Village	2011/11/17	Sunny	7.9	Black	Faint earth	Loamy	<30	2,100	2,600	0.14		
149	Oguninuma Lake	1 m from the bottom	Kitashibaramura Village	2011/11/23	Cloudy	4.1	Dark brown	Faint earth	Loamy	<30	220	290	0.16		
150	Aizu (farm pond) Onuma Lake		Nishiazumachi Town	2011/11/16	Clear	6.4	Brownish black	Faint earth	Loamy	<30	22	30	0.07		
151	Inawashiroko Lake	1 m from the bottom	Aizuwakamatsuchi City	2011/11/19	Cloudy	9.3								For surrounding environment (soil and air dose), see the survey results of bathing areas	
152	Higashiyama Dam Reservoir		Aizuwakamatsuchi City	2011/11/16	Cloudy	7.1	Brownish black	Faint leaf mold	Loamy	<30	420	510	0.09		
153	Numazawako Lake	1 m from the bottom	Kaneyamachi Town	2011/11/25	Snow	3.1	Dark brown	Earth	Sandy	<30	760	890	0.18		
154	Aizu (farm pond) Terairi		Aizumatsutamachi Town	2011/11/16	Cloudy	8.7	Grayish yellow brown	Faint earth	Loamy	<30	390	540	0.12		
155	Okawa Dam Reservoir	1 m from the bottom	Aizuwakamatsuchi City	2011/11/28	Cloudy	4.2	Brownish black	Faint earth	Loamy	<30	410	460	0.10		
156	Tagokura Reservoir		Tadamimachi Town	2011/11/18	Sunny	1.7	Brownish black	Faint earth	Sandy	<30	55	93	0.09		
157	Minamiaizu (farm pond) Fukui		Tadamimachi Town	2011/11/18	Sunny	5.3	Brownish black	Faint earth	Loamy	<30	50	61	0.14		
158	Tajima Dam Reservoir (Funehanako Lake)	1 m from the bottom	Minamiazumachi Town	2011/11/15	Cloudy	6.2	Brownish black	Faint earth	Loamy	<30	58	61	0.05		
159	Okutadami Reservoir		Tadamimachi Town	2011/11/23	Clear	7.2	Brownish black	Faint earth	Loamy	<30	<10	71	0.05	Survey for surrounding environment (soil and air dose) conducted at two locations	
160	Ozenuma Lake		Hinoematsamura Village				Brownish black	None	Sandy	<30	23	44	0.07	Unable to conduct the survey due to winter road closing, etc.	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

・ Sampling points are listed from north to south.

Coast and Bathing Area: 2nd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Water quality											Remarks
No.	Water body	Point	Municipality					General items							Radioactive material concentrations				
								Water temperature℃	Sampling depth m	Color	Odor	Secchi disk depth	Salinity	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Cs-137	
S e a	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	—	2011/11/28	Cloudy	14.0	14.9	13.7	0.5	Dark green	None	6.3	33.0	1	1.4	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	14.2	13.9	—	None	—	—	33.3	2	1.8	<1	<1	<1
	Matsukawaura sea area	Around center of Fishing Right Area-1	—	2011/11/27	Cloudy	13.6	1.8	12.9	0.5	Yellow green	None	1.8 or	32.6	1	1.3	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	12.9	0.8	—	None	—	—	32.5	1	1.7	<1	<1	<1
	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	—	2011/11/27	Cloudy	13.8	19.8	13.9	0.5	Dark green	None	4.0	33.3	2	2.1	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	13.9	18.8	—	None	—	—	33.2	6	4.9	<1	<1	<1
	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Nidagawa River	—	2011/11/27	Cloudy	13.6	11.2	13.7	0.5	Yellow green	None	2.3	33.0	5	5.0	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	13.8	10.2	—	None	—	—	33.2	15	8.5	<1	<1	<1
	Approx. 1,000 m offshore of Asamigawa River Estuary	—	—	2011/11/29	Cloudy	14.4	11.0	15.5	0.5	Dark green	None	4.0	32.9	4	3.3	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	14.4	10.0	—	None	—	—	33.2	5	3.4	<1	<1	<1
r e s e a	Approx. 1,000 m offshore of Ohisagawa River Estuary	—	—	2011/11/29	Cloudy	14.6	11.0	14.1	0.5	Dark green	None	3.8	33.2	4	2.9	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	14.2	10.0	—	None	—	—	33.3	8	2.8	<1	<1	<1
	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	—	2011/11/29	Cloudy	15.0	18.2	14.6	0.5	Dark green	None	7.0	33.4	1	1.6	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	14.6	17.2	—	None	—	—	33.5	4	2.6	<1	<1	<1
	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	—	2011/11/29	Cloudy	18.2	17.0	15.3	0.5	Dark green	None	4.0	31.9	2	2.4	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	15.1	16.0	—	None	—	—	33.2	2	2.7	<1	<1	<1
	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	—	2011/11/29	Cloudy	17.5	17.8	14.3	0.5	Dark green	None	6.0	32.5	1	1.6	<1	<1	<1	
		1 m from the bottom	—	—	—	—	—	14.9	16.8	—	None	—	—	33.2	2	2.0	<1	<1	<1
	Tsurushihama Fishing Port	Tsurushihama Beach	Shinchimachi Town	2011/11/23	Sunny	12.8	0.7	12.9	0.0	Dark green	None	—	—	—	4	4.6	<1	<1	<1
	Somakowan Bay	Haragama/Obama	Somashi City	2011/11/29	Cloudy	7.0	0.8	12.1	0.0	Colorless transparent	None	—	—	—	3	2.7	<1	<1	<1
Kitazumichikukaigan Seashore	Kitazumi	Minamisomashi City	2011/11/29	Sunny	13.8	0.3	13.7	0.0	Dark green	None	—	—	—	7	5.2	<1	<1	<1	
Hattachikaigan Seashore	Hisanohama Beach/Hattachi	Iwakishi City	2011/11/23	Cloudy	12.6	0.2	14.8	0.0	Dark green	None	—	—	—	10	6.3	<1	<1	<1	
Yotsukurakaigan Seashore	Yotsukura	Iwakishi City	2011/11/24	Sunny	12.2	0.3	14.6	0.0	Greenish brown	None	—	—	—	41	25	<1	<1	<1	
Natsukaigan Seashore	Shinmaiko Beach	Iwakishi City	2011/11/24	Sunny	13.8	0.2	14.6	0.0	Yellow green	None	—	—	—	28	19	<1	<1	<1	
Usuisokaigan Seashore	Usuiso	Iwakishi City	2011/11/25	Sunny	11.0	0.2	13.8	0.0	Grayish green	None	—	—	—	10	5.8	<1	<1	<1	
Toyomakaigan Seashore	Toyoma	Iwakishi City	2011/11/25	Sunny	13.8	0.2	14.4	0.0	Grayish green	None	—	—	—	7	5.4	<1	<1	<1	
Nagasakikaigan Seashore	Nagasaki	Iwakishi City	2011/11/25	Sunny	12.8	0.2	13.8	0.0	Grayish green	None	—	—	—	12	8.5	<1	<1	<1	
Obamakaigan Seashore	Obama	Iwakishi City	2011/11/26	Clear	11.8	0.3	14.6	0.0	Grayish green	None	—	—	—	6	6.2	<1	<1	<1	
Nakosokaigan Seashore	Nakoso	Iwakishi City	2011/11/26	Clear	11.6	0.2	14.0	0.0	Grayish green	None	—	—	—	1	1.7	<1	<1	<1	
I n a w a s h i r o k o	Lake	Nagahama Beach	Inawashiro-machi Town	2011/11/16	Sunny	9.0	0.5	9.5	0.0	Colorless transparent	None	—	—	—	2	0.9	<1	<1	<1
		Inawashiroko Lake	Tenjinhama Beach	Inawashiro-machi Town	2011/11/17	Sunny	6.9	0.5	8.5	0.0	Dark grayish yellow red	None	—	—	150	79	<1	<1	<1
	Lake	Shidahama Beach	Inawashiro-machi Town	2011/11/17	Sunny	6.8	0.5	10.7	0.0	Greenish brown	None	—	—	—	28	17	<1	<1	<1
		Inawashiroko Lake	Jokohama Beach	Inawashiro-machi Town	2011/11/17	Sunny	6.2	0.5	10.3	0.0	Yellow green	None	—	—	—	5	2.8	<1	<1
	Lake	Hamajihama Beach	Koriyamashi City	2011/11/17	Sunny	6.0	0.5	10.2	0.0	Dark grayish yellow green	None	—	—	—	6	3.7	<1	<1	<1
		Inawashiroko Lake	Yokozawahama Beach	Koriyamashi City	2011/11/17	Sunny	6.9	0.5	9.8	0.0	Dark grayish yellow green	None	—	—	—	7	4.6	<1	<1
	Lake	Tatehama Beach	Koriyamashi City	2011/11/18	Sunny	3.1	0.5	8.8	0.0	Colorless transparent	None	—	—	—	1	2.1	<1	<1	<1
		Inawashiroko Lake	Funatsuhama Beach	Koriyamashi City	2011/11/18	Sunny	4.6	0.5	9.5	0.0	Colorless transparent	None	—	—	—	<1	0.6	<1	<1
	Lake	Funatsukoen Park	Koriyamashi City	2011/11/18	Sunny	5.2	0.5	10.3	0.0	Colorless transparent	None	—	—	—	<1	0.5	<1	<1	<1
		Inawashiroko Lake	Seishogahama Beach	Koriyamashi City	2011/11/18	Sunny	5.4	0.5	10.2	0.0	Colorless transparent	None	—	—	—	<1	0.7	<1	<1
I n a w a s h i r o k o	Lake	Akiyamahama Beach	Koriyamashi City	2011/11/18	Sunny	6.2	0.5	8.0	0.0	Colorless transparent	None	—	—	—	<1	1.4	<1	<1	<1
		Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsushi City	2011/11/18	Sunny	7.4	0.5	12.5	0.0	Colorless transparent	None	—	—	—	<1	0.5	<1	<1
	Lake	Nakatahama Beach	Aizuwakamatsushi City	2011/11/18	Sunny	10.3	0.5	11.8	0.0	Colorless transparent	None	—	—	—	<1	0.5	<1	<1	<1
		Inawashiroko Lake	Koishigahama Beach	Aizuwakamatsushi City	2011/11/16	Sunny	9.2	0.5	10.9	0.0	Colorless transparent	None	—	—	—	1	0.6	<1	<1

Note: Sampling points are listed from north to south.

Coast and Bathing Area: 2nd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Sediment																	Remarks			
No.	Water body	Point	Municipality					General items													Concentration of radioactive							
								Shd temperature/℃	Shd depth (m)	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Shd content/ℓ	Shd content/g	Property	Radioactive iodine Cs-134	Radioactive cesium Cs-137				
161	S a r e a	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	—	2011/1/1/28	Cloudy	14.0	14.9	14.3	12	Dark olive	Faint petroleum	—	—	0.2	—	2.0	90.7	—	6.8	77.3	2,682	Sand	<30	54	69		
162		Matsukawaura sea area	1 m from the bottom	—	2011/1/1/27	Cloudy	13.6	—	1.8	13.4	12	Olive black	Faint seaweed	—	—	0.3	1.4	5.8	25.0	52.6	6.4	8.5	76.8	2,709	Sand with silt	<30	15	17
163		Neighboring sea area of Soso	Around center of Fishing Right Area-1	—	2011/1/1/27	Cloudy	13.8	19.8	14.0	12	Dark olive	None	—	—	—	—	—	17.4	69.7	5.7	7.2	80.1	2,705	Sand	<30	24	33	
164		Neighboring sea area of Hiramachi City	1 m from the bottom	—	2011/1/1/27	Cloudy	13.6	11.2	13.8	12	Olive black	None	—	—	—	—	—	9.3	78.1	8.9	3.7	82.0	2,710	Sand	<30	16	33	
165		Approx. 1,000 m offshore of Asamigawa River Estuary	1 m from the bottom	—	2011/1/1/29	Cloudy	14.4	11.0	13.8	3	Olive black	None	—	—	—	—	0.2	1.5	92.5	—	5.8	79.4	2,664	Sand	<30	220	260	
166		Approx. 1,000 m offshore of Ohisagawa River Estuary	1 m from the bottom	—	2011/1/1/29	Cloudy	14.6	11.0	13.9	3	Olive black	None	—	—	—	—	—	0.4	92.8	—	6.8	80.8	2,694	Sand	<30	210	280	
167		Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	1 m from the bottom	2011/1/1/29	Cloudy	15.0	18.2	14.2	3	Olive black	None	—	—	—	—	—	0.3	95.5	—	4.2	80.7	2,716	Sand	<30	91	120	
168		Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	1 m from the bottom	2011/1/1/29	Cloudy	18.2	17.0	15.1	12	Olive black	Faint seaweed	—	—	—	—	—	0.2	23.5	44.7	31.6	43.0	2,596	Silt with sand	<30	270	360	
169	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	1 m from the bottom	2011/1/1/29	Cloudy	17.5	17.8	14.6	3	Olive black	None	—	—	—	—	0.2	2.6	77.4	12.8	7.0	75.5	2,687	Sand	<30	160	200		
170	B a y a r e a	Tsurushihama Fishing Port	Tsurushihama Beach	Shinshimachi Town	2011/1/1/23	Sunny	12.8	0.7	13.2	5	Dark grayish yellow	None	—	—	—	—	1.5	66.7	31.8	—	0.0	88.9	2,662	Sand	<30	<10	<10	
171		Somakowan Bay	Haragama/Obama	Somashi City	2011/1/1/29	Cloudy	7.0	0.8	12.2	10	Dark olive brown	None	—	—	—	—	—	1.2	97.7	—	1.1	78.6	2,661	Sand	<30	11	14	
172		Kitazumichikukagaigan Seashore	Kitazumi	Minamitsomashi City	2011/1/1/29	Sunny	13.8	0.3	15.0	5	Yellowish brown	None	—	—	—	—	—	26.9	72.6	—	0.5	84.7	2,695	Sand	<30	18	18	
173		Hattachikaigan Seashore	Hisanohama Beach/Hattachi	Iwakishi City	2011/1/1/23	Cloudy	12.6	0.2	14.2	5	Olive black	None	—	—	3.0	26.5	11.0	34.2	25.2	—	0.1	92.2	2,848	Sand with gravel	<30	55	57	
174		Yotsukurakaigan Seashore	Yotsukura	Iwakishi City	2011/1/1/24	Sunny	12.2	0.3	14.6	5	Dark olive	None	—	—	—	—	—	3.1	95.9	—	1.0	84.7	2,748	Sand	<30	66	83	
175		Natsukaigan Seashore	Shinmaiko Beach	Iwakishi City	2011/1/1/24	Sunny	13.8	0.2	14.8	5	Grayish olive	None	—	—	—	5.4	31.2	51.2	10.6	—	1.6	90.3	2,648	Sand with gravel	<30	25	36	
176		Ususokaigan Seashore	Usuiso	Iwakishi City	2011/1/1/25	Sunny	11.0	0.2	13.8	5	Grayish olive	None	—	—	—	0.1	0.1	11.5	88.1	—	0.2	83.1	2,689	Sand	<30	53	83	
177		Tovomakaigan Seashore	Tovoma	Iwakishi City	2011/1/1/25	Sunny	13.8	0.2	14.4	5	Grayish olive	None	—	—	—	0.1	0.8	38.4	56.9	—	3.8	85.7	2,706	Sand	<30	51	70	
178		Nagasakikaigan Seashore	Nagasaki	Iwakishi City	2011/1/1/25	Sunny	12.8	0.2	14.2	5	Grayish olive	None	—	—	—	—	—	1.1	97.8	—	1.1	84.6	2,702	Sand	<30	62	66	
179		Obamakagaigan Seashore	Obama	Iwakishi City	2011/1/1/26	Clear	11.8	0.3	14.6	5	Dark olive	None	—	—	2.3	5.5	13.6	36.3	41.7	—	0.6	86.4	2,674	Sand with gravel	<30	27	39	
180		Nakosokaigan Seashore	Nakoso	Iwakishi City	2011/1/1/26	Clear	11.6	0.2	14.0	5	Grayish olive	None	—	—	—	—	0.1	33.8	64.0	—	2.1	82.8	2,684	Sand	<30	61	80	
181		I n a w a s h i r o k o L a k e	Inawashiroko Lake	Nagahama Beach	Inawashiro-machi Town	2011/1/1/16	Sunny	9.0	0.5	10.7	10	Gray/Brown	None	—	—	0.3	14.2	54.8	15.0	13.1	—	2.6	83.5	2,589	Sand with gravel	<30	48	64
182			Inawashiroko Lake	Temjinohama Beach	Inawashiro-machi Town	2011/1/1/17	Sunny	6.9	0.5	8.4	5	Brownish black	None	—	—	14.7	7.5	3.3	62.6	11.6	—	0.3	82.9	2,771	Sand with gravel	<30	<10	<10
183			Inawashiroko Lake	Shidahama Beach	Inawashiro-machi Town	2011/1/1/17	Sunny	6.8	0.5	9.8	5	Dark brown	None	—	—	0.5	8.8	66.1	21.3	0.3	—	3.0	85.1	2,679	Sand with gravel	<30	46	62
184			Inawashiroko Lake	Jokohama Beach	Inawashiro-machi Town	2011/1/1/17	Sunny	6.2	0.3	10.8	5	Brown	None	—	—	—	9.7	75.7	13.4	0.0	—	1.2	87.6	2,664	Sand	<30	44	46
185			Inawashiroko Lake	Hamajihama Beach	Koriyamashi City	2011/1/1/17	Sunny	6.0	0.5	10.2	5	Dark olive brown	None	—	—	—	—	—	3.7	95.8	—	0.5	79.0	2,663	Sand	<30	46	62
186	Inawashiroko Lake		Yokozawahama Beach	Koriyamashi City	2011/1/1/17	Sunny	6.9	0.5	9.6	5	Dark olive brown	None	—	—	6.3	3.5	16.7	64.6	6.4	—	2.5	85.5	2,653	Sand with gravel	<30	<10	14	
187	Inawashiroko Lake		Tatehama Beach	Koriyamashi City	2011/1/1/18	Sunny	3.1	0.5	8.9	5	Grayish yellow brown	None	—	—	2.1	13.2	26.3	15.2	43.1	—	0.1	82.3	2,645	Sand with gravel	<30	46	62	
188	Inawashiroko Lake		Funatsuhama Beach	Koriyamashi City	2011/1/1/18	Sunny	4.6	0.5	9.9	5	Old yellowish brown	None	—	—	—	0.7	0.3	14.5	83.8	—	0.7	76.8	2,662	Sand	<30	69	91	
189	Inawashiroko Lake		Funatsukoen Park	Koriyamashi City	2011/1/1/18	Sunny	5.2	0.5	10.4	5	Brown	None	—	—	11.6	18.7	30.6	36.7	1.8	—	0.6	86.4	2,659	Sand with gravel	<30	66	85	
190	Inawashiroko Lake		Seishogahama Beach	Koriyamashi City	2011/1/1/18	Sunny	5.4	0.5	10.4	5	Very dark brown	None	—	—	9.2	38.1	38.9	12.1	1.1	—	0.6	84.5	2,627	Sand with gravel	<30	24	29	
191	I n a w a s h i r o k o L a k e	Inawashiroko Lake	Akiyamahama Beach	Koriyamashi City	2011/1/1/18	Sunny	6.2	0.5	8.0	5	Brownish black	Faint earth	—	—	0.7	1.1	4.3	31.2	40.0	13.3	9.4	70.4	2,698	Sand	<30	19	22	
192		Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsudo City	2011/1/1/18	Sunny	7.4	0.5	12.2	5	Old yellowish brown	None	—	—	16.5	24.8	22.1	28.4	7.5	—	0.7	84.7	2,637	Sand with gravel	<30	44	66	
193		Inawashiroko Lake	Nakatamahama Beach	Aizuwakamatsudo City	2011/1/1/18	Sunny	10.3	0.5	11.6	5	Dark brown	None	—	—	3.7	12.4	52.0	25.5	6.0	—	0.4	87.6	2,681	Sand	<30	16	20	
194		Inawashiroko Lake	Koishigahama Beach	Aizuwakamatsudo City	2011/1/1/16	Sunny	9.2	0.5	10.1	10	Old yellowish brown	None	—	—	9.7	23.2	17.9	25.7	22.6	—	0.9	85.5	2,658	Sand with gravel	<30	69	92	

Note: Sampling points are listed from north to south.

Coast and Bathing Area: 2nd Surrounding Environment (Beach) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature (°C)	Surrounding environment (soil and air dose)						Remarks
No.	Water body	Point	Municipality				General items			Soil			
				Color	Odor	Property	Radioactive iodine	Radioactive cesium Cs-134	Radioactive cesium Cs-137				
Seaside	Neighboring sea area of Soso	Approx. 2,000 m	—	2011/11/28	Cloudy	14.0	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
	Matsukawaura sea area	Around center of Fishing	—	2011/11/27	Cloudy	13.6	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
	Neighboring sea area of Soso	Approx. 2,000 m	—	2011/11/27	Cloudy	13.8	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
	Neighboring sea area of Haramachi City	Approx. 1 m from the bottom	—	2011/11/27	Cloudy	13.6	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
	Approx. 1,000 m offshore of Asamigawa River Estuary	1 m from the bottom	—	2011/11/29	Cloudy	14.4	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
Beach	Approx. 1,000 m offshore of Ohisagawa River Estuary	1 m from the bottom	—	2011/11/29	Cloudy	14.6	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
	Neighboring sea area of Iwakishi City	Approx. 1,500 m	—	2011/11/29	Cloudy	15.0	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
	Onahama Port	Approx. 400 m north of	—	2011/11/29	Cloudy	18.2	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
	Joban coastal sea area	Approx. 1,000 m offshore of	—	2011/11/29	Cloudy	17.5	—	—	—	—	—	—	—
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
	Tsurushihiama Fishing Port	Tsurushihiama Beach	Shinchimachi	2011/11/23	Sunny	12.8	Olive	None	Sandy	<30	25	26	0.07
	Somakowan Bay	Haragama/Obama	Somashi City	2011/11/29	Cloudy	7.0	Olive	None	Sandy	<30	35	42	0.07
Kitatsumichikukaigan Seashore	Kitatsumi	Minamisomashi	2011/11/29	Sunny	13.8	Dull	None	Sandy	<30	19	23	0.07	
Hattachikaigan Seashore	Hisanohama	Iwakishi City	2011/11/23	Cloudy	12.6	Dark	None	Sandy	<30	310	430	0.36	
Yotsukurakaigan Seashore	Yotsukura	Iwakishi City	2011/11/24	Sunny	12.2	Grayish	None	Sandy	<30	290	350	0.23	
Natsukaigan Seashore	Shinmaiko Beach	Iwakishi City	2011/11/24	Sunny	13.8	Grayish	None	Sandy	<30	96	120	0.19	
Usuisokaigan Seashore	Usuiso	Iwakishi City	2011/11/25	Sunny	11.0	Olive	None	Sandy	<30	100	140	0.27	
Toyomakaigan Seashore	Toyoma	Iwakishi City	2011/11/25	Sunny	13.8	Gray	None	Sandy	<30	41	40	0.11	
Nagasakikaigan Seashore	Nagasaki	Iwakishi City	2011/11/25	Sunny	12.8	Gray	None	Sandy	<30	77	93	0.12	
Obamakagaigan Seashore	Obama	Iwakishi City	2011/11/26	Clear	11.8	Dark	None	Sandy	<30	210	240	0.13	
Nakosokaigan Seashore	Nakoso	Iwakishi City	2011/11/26	Clear	11.6	Yellowish	None	Sandy	<30	110	150	0.16	
Lake	Inawashiroko Lake	Nagahama Beach	Inawashiromac	2011/11/16	Sunny	9.0	Brownish	Faint	Loamy	<30	570	770	0.10
		Shidahama Beach	Inawashiromac	2011/11/17	Sunny	6.9	Brownish	Faint	Sandy	<30	290	350	0.08
	Inawashiroko Lake	Shidahama Beach	Inawashiromac	2011/11/17	Sunny	6.8	Brownish	Faint	Sandy	<30	150	190	0.08
		Jokohama Beach	Inawashiromac	2011/11/17	Sunny	6.2	Brownish	Faint	Sandy	<30	300	370	0.11
	Inawashiroko Lake	Hamajihama Beach	Koriyamashi	2011/11/17	Sunny	6.0	Dark olive	Faint	Sandy	<30	75	110	0.07
		Yokozawahama Beach	Koriyamashi	2011/11/17	Sunny	6.9	Dark	Faint	Sandy	<30	73	110	0.08
	Inawashiroko Lake	Tatehama Beach	Koriyamashi	2011/11/18	Sunny	3.1	Brown	Faint	Sandy	<30	120	180	0.06
		Funatsuhama Beach	Koriyamashi	2011/11/18	Sunny	4.6	Brownish	Faint	Sandy	<30	76	110	0.05
	Inawashiroko Lake	Funatsukoen Park	Koriyamashi	2011/11/18	Sunny	5.2	Dark olive	Faint	Sandy	<30	58	73	0.06
		Seishogahama Beach	Koriyamashi	2011/11/18	Sunny	5.4	Olive	Faint	Sandy	<30	42	51	0.05
River	Inawashiroko Lake	Akiyamahama Beach	Koriyamashi	2011/11/18	Sunny	6.2	Dark	None	Sandy	<30	95	110	0.04
		Sekkahama Beach	Aizuwakamatsu	2011/11/18	Sunny	7.4	Black	Faint	Sandy	<30	460	750	0.06
	Inawashiroko Lake	Nakatahama Beach	Aizuwakamatsu	2011/11/18	Sunny	10.3	Dark	Faint	Sandy	<30	150	190	0.06
		Koishigahama Beach	Aizuwakamatsu	2011/11/16	Sunny	9.2	Dull	None	Sandy	<30	32	48	0.07

Note: • Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

• Sampling points are listed from north to south.

River (Hamadori Area): 3rd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature °C	Full depth m	Water quality										Remarks	
No.	Water body	Point	Municipality					General items						Radioactive material					
								Water temperature °C	Sampling depth m	Color	Odor	Transparency	Electrical conductivity µS/cm	SS mg/L	Turbidity	Radioactive iodine-131	Cs-134		Cs-137
1	Iizogawa River	Hamahatobashi Bridge	Shiohama Town	2012/1/6	Cloudy	4.8	3.07	6.5	0.0	Dark green	None	60	3550.0	8	9.5	<1	<1	<1	
2	Kozumigawa River	Sakakawabashi Bridge	Somashi City	2012/1/6	Cloudy	2.4	0.30	1.9	0.0	Faint sewage	Faint sewage	100 or more	27.1	1	1.9	<1	<1	<1	
3	Kozumigawa River	Iwakkenbashi Bridge	Somashi City	2012/1/7	Clear	2.0	0.96	2.0	0.0	No specific odor	None	100 or more	4780.0	2	3.2	<1	<1	<1	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2012/1/6	Cloudy	1.8	0.40	0.6	0.0	Sludgy transparent	None	100 or more	11.6	<1	0.4	<1	<1	<1	
5	Udagawa River	Iyakkenbashi Bridge	Somashi City	2012/1/7	Clear	3.8	1.07	2.0	0.0	Sludgy transparent	None	100 or more	1556.0	<1	0.7	<1	<1	<1	
6	Manogawa River	Ochiaibashi Bridge	Minamisomashi City	2012/1/20	Rain	3.4	2.15	6.0	0.0	Sludgy transparent	None	100 or more	12.8	1	1.6	<1	<1	<1	
7	Manogawa River	Majimabashi Bridge	Minamisomashi City	2012/1/21	Snow	1.6	3.00	3.6	0.0	Dark green	None	100 or more	1184.0	1	2.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
8	Nidagawa River	Kusano	Iitatemura Village	2012/1/18	Clear	6.1	0.30	1.9	0.0	Sludgy transparent	None	100 or more	7.4	<1	1.0	<1	<1	<1	Deliberate evacuation areas
9	Nidagawa River	Komiva	Iitatemura Village	2012/1/18	Clear	2.6	0.40	1.1	0.0	Sludgy transparent	None	100 or more	7.8	<1	0.8	<1	<1	<1	Deliberate evacuation areas
10	Nidagawa River	Kidouchibashi Bridge	Minamisomashi City	2012/1/20	Cloudy	3.0	1.32	2.4	0.0	Sludgy transparent	None	100 or more	10.0	<1	0.6	<1	<1	<1	Former evacuation-prepared areas in case of emergency
11	Nidagawa River	Sakekawabashi Bridge	Minamisomashi City	2012/1/21	Snow	0.2	1.45	3.8	0.0	No specific odor	None	100 or more	94.0	<1	1.3	<1	<1	<1	Former evacuation-prepared areas in case of emergency
12	Otagawa River	Ishiwatadobashi Bridge	Minamisomashi City	2012/1/16	Sunny	2.2	0.80	3.9	0.0	Sludgy transparent	None	100 or more	6.2	<1	0.7	<1	<1	<1	Former evacuation-prepared areas in case of emergency
13	Otagawa River	Kaminouchibashi Bridge	Minamisomashi City	2012/1/20	Cloudy	4.6	0.30	4.9	0.0	Sludgy transparent	None	100 or more	7.6	<1	0.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
14	Otagawa River	Masudabashi Bridge	Minamisomashi City	2012/1/20	Rain	3.2	0.60	8.8	0.0	Sludgy transparent	None	100 or more	8.7	<1	0.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
15	Otagawa River	JR Ietsudobashi Bridge	Minamisomashi City	2012/1/20	Cloudy	3.2	0.30	7.0	0.0	Sludgy transparent	None	100 or more	9.2	4	2.7	<1	<1	<1	Former evacuation-prepared areas in case of emergency
16	Otagawa River	Maruyamabashi Bridge	Minamisomashi City	2012/1/6	Sunny	6.4	0.50	6.9	0.0	Greenish brown	None	20	4570.0	32	23	<1	<1	<1	Restricted areas
17	Odakagawa River	Zenchobashi Bridge	Minamisomashi City	2012/1/6	Sunny	4.1	0.30	3.4	0.0	Sludgy transparent	None	100 or more	14.6	1	2.3	<1	<1	<1	Restricted areas
18	Odakagawa River	Hatsukarabashi Bridge	Minamisomashi City	2012/1/6	Sunny	6.3	1.20	6.9	0.0	No specific odor	None	32	4880.0	20	15	<1	<1	<1	Restricted areas
19	Ukedogawa River	Muroharabashi Bridge	Namemachi Town	2012/1/6	Clear	5.8	0.56	2.8	0.0	Sludgy transparent	None	100 or more	7.2	1	1.0	<1	<1	<1	Restricted areas
20	Ukedogawa River	Ukedobashi Bridge	Namemachi Town	2012/1/6	Sunny	5.5	0.40	3.5	0.0	Dark green	None	100 or more	11.4	2	2.0	<1	<1	<1	Restricted areas
21	Takasegawa River	Keibashi Bridge	Namemachi Town	2012/1/6	Clear	8.6	0.20	3.6	0.0	Sludgy transparent	None	100 or more	7.6	<1	0.1	<1	<1	<1	Restricted areas
22	Maedagawa River	National Route 6, west	Itahamachi Town	2012/1/6	Sunny	7.2	0.39	3.9	0.0	Sludgy transparent	None	100 or more	13.9	1	0.9	<1	<1	<1	Restricted areas
23	Maedagawa River	Nakahamabashi Bridge	Namemachi Town	2012/1/6	Sunny	7.0	1.63	4.2	0.0	Yellow green	None	100 or more	235.0	2	3.9	<1	<1	<1	Restricted areas
24	Kumagawa River	National Route 6, west	Okumamachi Town	2012/1/6	Cloudy	5.9	0.18	4.4	0.0	Sludgy transparent	None	100 or more	8.3	<1	0.3	<1	<1	<1	Restricted areas
25	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2012/1/6	Sunny	7.0	0.21	4.5	0.0	Sludgy transparent	None	100 or more	11.6	<1	0.8	<1	<1	<1	Restricted areas
26	Tomokagawa River	National Route 6, west	Tomokamachi Town	2012/1/6	Clear	5.2	0.20	5.5	0.0	Sludgy transparent	None	100 or more	10.0	<1	0.6	<1	<1	<1	Restricted areas
27	Tomokagawa River	Kobamabashi Bridge	Tomokamachi Town	2012/1/6	Clear	6.2	0.32	4.8	0.0	Sludgy transparent	None	100 or more	10.6	1	0.9	<1	<1	<1	Restricted areas
28	Idegawa River	Motogamabashi Bridge	Narahamachi Town	2012/1/6	Sunny	1.5	0.25	4.7	0.0	Sludgy transparent	None	100 or more	9.5	<1	<0.1	<1	<1	<1	Restricted areas
29	Kidogawa River	Nishiyamabashi Bridge	Kawauchimura Village	2012/1/19	Sunny	6.2	0.50	2.2	0.0	Sludgy transparent	None	100 or more	5.1	<1	0.6	<1	<1	<1	Former evacuation-prepared areas in case of emergency
30	Kidogawa River	Nagatorobashi Bridge	Narahamachi Town	2012/1/6	Sunny	7.4	0.30	3.8	0.0	Sludgy transparent	None	100 or more	5.7	<1	0.5	<1	<1	<1	Restricted areas
31	Kidogawa River	Kidokawabashi Bridge	Narahamachi Town	2012/1/6	Sunny	6.2	0.30	3.7	0.0	Sludgy transparent	None	100 or more	6.3	<1	0.5	<1	<1	<1	Restricted areas
32	Asanigawa River	Isokabashi Bridge	Hironomachi Town	2012/1/19	Sunny	5.2	0.80	3.4	0.0	Sludgy transparent	None	100 or more	15.0	<1	0.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
33	Ohisagawa River	Kagekobashi Bridge	Iwakishi City	2012/1/5	Sunny	6.8	0.30	3.8	0.0	Sludgy transparent	None	100 or more	229.0	3	2.9	<1	<1	<1	Former evacuation-prepared areas in case of emergency
34	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2012/1/5	Sunny	6.6	0.30	3.3	0.0	Sludgy transparent	None	100 or more	42.6	4	4.5	<1	<1	<1	Restricted areas
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2012/1/6	Sunny	2.7	0.20	4.6	0.0	Sludgy transparent	None	100 or more	31.8	1	1.1	<1	<1	<1	Restricted areas
36	Nidagawa River	Matsubashi Bridge	Iwakishi City	2012/1/6	Sunny	6.9	0.80	4.2	0.0	No specific odor	None	100 or more	1297.0	9	6.6	<1	<1	<1	Restricted areas
37	Natsugawa River	Kitanouchibashi Bridge	Onomachi Town	2012/1/18	Clear	0.5	0.30	2.2	0.0	Sludgy transparent	None	100 or more	13.8	1	1.7	<1	<1	<1	Restricted areas
38	Natsugawa River	Kiyudayubashi Bridge	Iwakishi City	2012/1/18	Sunny	9.6	0.40	4.0	0.0	Sludgy transparent	None	100 or more	12.0	1	1.9	<1	<1	<1	Restricted areas
39	Natsugawa River	Rokujumabashi Bridge	Iwakishi City	2012/1/6	Sunny	7.1	0.50	3.1	0.0	No specific odor	None	100 or more	27.0	2	2.3	<1	<1	<1	Restricted areas
40	Yoshinagawa River	Iwaanatsubashi Bridge	Iwakishi City	2012/1/6	Sunny	8.0	0.30	4.5	0.0	Sludgy transparent	None	100 or more	9.9	<1	0.1	<1	<1	<1	Restricted areas
41	Yoshinagawa River	Before the confluence with Natsugawa River	Iwakishi City	2012/1/6	Sunny	9.0	0.30	6.4	0.0	Sludgy transparent	None	100 or more	18.2	1	1.7	<1	<1	<1	Restricted areas
42	Fujinagawa River	Shimabashi Bridge	Iwakishi City	2012/1/7	Clear	3.4	0.60	5.6	0.0	Greenish brown	None	100 or more	195.5	5	6.1	<1	<1	<1	Restricted areas
43	Fujinagawa River	Minatobashi Bridge	Iwakishi City	2012/1/9	Cloudy	4.8	0.55	9.0	0.0	Yellow green	Faint sewage	78	2810.0	4	5.2	<1	<1	<1	Restricted areas
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2012/1/7	Clear	-0.8	0.60	4.0	0.0	Sludgy transparent	None	100 or more	12.1	<1	0.5	<1	<1	<1	Restricted areas
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2012/1/7	Clear	6.8	0.50	6.4	0.0	Dark green	None	100 or more	720.0	4	4.5	<1	<1	<1	Restricted areas
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2012/1/7	Clear	0.6	0.50	3.5	0.0	Sludgy transparent	None	100 or more	8.6	<1	0.3	<1	<1	<1	Restricted areas
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/1/20	Rain	2.6	0.50	5.8	0.0	Sludgy transparent	Faint sewage	100 or more	37.5	3	3.2	<1	<1	<1	Restricted areas
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2012/1/7	Clear	5.0	0.80	7.7	0.0	Dark green	None	100 or more	270.0	3	2.3	<1	<1	<1	Restricted areas

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

River (Hamadori Area): 3rd Sediment Monitoring Results

Sampling point				Sampling date	Weather	No. measured	Full depth m	Sediment																	Remarks				
No.	Water body	Point	Municipality					General items										Mud content %	Soil particle size	Property	Radioactive material								
								Mechanical composition													Radioactive iodine	Radioactive cesium							
								Not measured	Not measured	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand						Silt	Clay					
1	Horizogawa River	Hamamabashi Bridge	Hamamatsu City	2012/1/16	Cloudy	4	4.8	0.07	6.8	5	Dark olive black	None	—	—	15.9	19.6	19.2	34.3	20.1	20.6	85.5	2.686	Sand	<30	720	1,000			
2	Kozumigawa River	Kozumibashi Bridge	Somashi City	2012/1/16	Cloudy	2	2.0	0.30	2.3	3	Brownish black	Not measured	—	—	—	15.9	0.7	19.2	35.9	8.6	1.4	81.1	2.743	Sand with silt	<30	260	320		
3	Kozumigawa River	Hyakkenbashi Bridge	Somashi City	2012/1/17	Clear	2	2.0	0.96	2.7	3	Dark brown	None	—	—	—	0.9	0.5	1.9	17.3	65.1	3.9	10.4	66.8	2.705	Sand with silt	<30	540	740	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2012/1/16	Cloudy	1	1.8	0.40	1.2	3	Brownish black	None	—	—	—	12.2	22.4	38.0	23.4	2.6	1.4	91.5	2.700	Sand with gravel	<30	350	470		
5	Udagawa River	Hyakkenbashi Bridge	Somashi City	2012/1/17	Clear	3	3.8	1.07	3.9	5	Olive brown	None	—	—	—	0.3	1.3	29.6	66.7	0.4	1.7	80.3	2.663	Sand	<30	63	92		
6	Manogawa River	Ochiaibashi Bridge	Manamagawa City	2012/1/20	Rain	3	3.4	2.15	5.4	3	Olive black	None	—	—	—	6.1	12.1	7.4	15.8	—	0.9	82.0	2.681	Gravel with sand	<30	310	400		
7	Manogawa River	Maunabashi Bridge	Manamagawa City	2012/1/21	Snow	1	1.6	3.00	3.5	3	Dark brown	None	—	—	—	—	0.2	1.8	48.7	24.0	25.3	49.8	2.604	Silt with sand	<30	2,500	3,300	Former evacuation-prepared areas in case of emergency	
8	Nidagawa River	Kusano	Manamagawa Village	2012/1/18	Clear	6	6.1	0.30	4.7	3	Brownish black	None	—	—	—	1.2	22.5	51.7	19.8	1.1	—	88.5	2.621	Sand with silt	<30	800	1,000	Deliberate evacuation areas	
9	Nidagawa River	Komiva	Manamagawa Village	2012/1/18	Clear	2	2.6	0.40	2.6	3	Dark olive	None	—	—	—	12.6	46.0	37.3	1.2	—	—	84.9	2.658	Sand	<30	1,200	1,600	Deliberate evacuation areas	
10	Nidagawa River	Kidouchibashi Bridge	Manamagawa City	2012/1/20	Cloudy	3	3.0	1.32	2.4	5	Dark olive	None	—	—	—	1.9	9.4	68.0	17.7	0.9	—	84.4	2.664	Sand with gravel	<30	670	900	Former evacuation-prepared areas in case of emergency	
11	Nidagawa River	Sakekawabashi Bridge	Manamagawa City	2012/1/21	Snow	0	0.2	1.45	4.0	3	Olive brown	None	—	—	—	3.4	4.4	45.1	43.5	1.5	0.1	85.3	2.674	Sand	<30	490	650	Former evacuation-prepared areas in case of emergency	
12	Oltagawa River	Ishiwatadobashi Bridge	Manamagawa City	2012/1/16	Sunny	2	2.4	0.80	3.7	3	Dark brown	None	—	—	—	38.0	24.7	10.9	4.7	0.4	1.3	90.1	2.658	Sand with gravel	<30	7,600	10,000	Former evacuation-prepared areas in case of emergency	
13	Oltagawa River	Kaminouchibashi Bridge	Manamagawa City	2012/1/20	Cloudy	4	4.6	0.40	4.9	5	Yellowish brown	None	—	—	—	46.5	28.1	15.4	7.7	1.6	0.7	87.9	2.647	Sand with gravel	<30	670	940	Former evacuation-prepared areas in case of emergency	
14	Oltagawa River	Masudobashi Bridge	Manamagawa City	2012/1/20	Rain	3	3.2	0.60	8.5	5	Yellowish brown	None	—	—	—	24.7	26.2	32.7	13.7	0.7	2.0	85.6	2.644	Gravel	<30	1,200	1,700	Former evacuation-prepared areas in case of emergency	
15	Oltagawa River	IR Tetsudobashi Bridge	Manamagawa City	2012/1/20	Cloudy	3	3.2	0.30	6.8	5	Yellowish brown	None	—	—	—	9.5	15.7	34.7	35.4	3.3	1.4	91.1	2.646	Sand	<30	660	850	Former evacuation-prepared areas in case of emergency	
16	Oltagawa River	Maruyamabashi Bridge	Manamagawa City	2012/1/16	Sunny	6	6.4	0.50	3.8	5	Dark gravel-yellow	None	—	—	—	24.2	11.5	14.8	42.1	5.5	1.9	88.5	2.767	Sand with gravel	<30	20	28	Restricted areas	
17	Odakagawa River	Zenchobashi Bridge	Manamagawa City	2012/1/16	Sunny	4	4.1	0.30	4.1	10	Olive brown	None	—	—	—	3.7	16.3	58.9	18.2	1.1	1.8	81.3	2.648	Sand with gravel	<30	210	260	Restricted areas	
18	Odakagawa River	Hatsukabashi Bridge	Manamagawa City	2012/1/16	Sunny	6	6.3	1.20	7.7	3	Brownish black	None	—	—	—	4.1	3.4	4.4	32.8	34.3	1.0	80.5	2.803	Sand with gravel	<30	100	160	Restricted areas	
19	Ukedogawa River	Muroharabashi Bridge	Manamagawa Town	2012/1/16	Clear	2	2.8	0.56	4.0	3	Brown	None	—	—	—	24.5	18.6	23.8	25.3	6.0	1.8	79.1	2.649	Sand with gravel	<30	22,000	30,000	Restricted areas	
20	Ukedogawa River	Ukedobashi Bridge	Manamagawa Town	2012/1/16	Sunny	5	5.5	0.40	3.5	3	Olive brown	None	—	—	—	12.4	21.4	41.1	21.6	1.2	2.3	87.5	2.634	Sand with gravel	<30	270	2,900	Restricted areas	
21	Ukasegawa River	Keibashi Bridge	Manamagawa Town	2012/1/16	Clear	8	8.6	0.20	3.8	3	Brown	None	—	—	—	33.2	23.3	28.5	13.3	0.8	0.9	80.7	2.640	Sand with gravel	<30	630	830	Restricted areas	
22	Maedagawa River	National Route 6, west	Manamagawa Town	2012/1/16	Sunny	7	7.2	0.39	3.9	3	Olive brown	None	—	—	—	23.7	40.3	28.4	4.6	0.3	2.7	85.2	2.667	Sand with gravel	<30	3,200	4,200	Restricted areas	
23	Maedagawa River	Nakahamabashi Bridge	Manamagawa Town	2012/1/16	Sunny	7	7.0	0.68	6.8	5	Dark olive brown	None	—	—	—	35.8	32.3	24.9	5.0	1.1	1.9	84.5	2.654	Sand with gravel	<30	1,200	1,500	Restricted areas	
24	Kumagawa River	National Route 6, west	Manamagawa Town	2012/1/16	Cloudy	5	5.9	0.18	4.8	5	Olive brown	None	—	—	—	10.0	45.1	38.7	5.4	1.1	1.7	83.7	2.667	Sand with gravel	<30	2,000	3,000	Restricted areas	
25	Kumagawa River	Mikumabashi Bridge	Manamagawa Town	2012/1/16	Sunny	7	7.0	0.21	4.6	10	Olive brown	None	—	—	—	16.9	44.8	28.9	7.5	1.2	0.7	82.5	2.669	Sand with gravel	<30	1,900	2,600	Restricted areas	
26	Tomioakagawa River	National Route 6, west	Manamagawa Town	2012/1/16	Clear	5	5.2	0.20	5.4	5	Olive brown	None	—	—	—	39.5	18.5	24.6	15.0	1.3	1.1	82.6	2.675	Sand with gravel	<30	1,400	1,800	Restricted areas	
27	Tomioakagawa River	Kobamabashi Bridge	Manamagawa Town	2012/1/16	Clear	6	6.2	0.32	4.8	5	Olive brown	None	—	—	—	1.0	4.6	16.6	36.8	14.9	6.1	79.8	2.672	Sand	<30	4,100	5,400	Restricted areas	
28	Idegawa River	Motogamabashi Bridge	Manamagawa Town	2012/1/16	Sunny	1	1.5	0.25	4.6	5	Dark olive brown	None	—	—	—	16.0	10.6	22.6	34.6	10.1	6.1	79.0	2.681	Sand with gravel	<30	1,000	1,400	Restricted areas	
29	Kidogawa River	Nishiyamabashi Bridge	Manamagawa Town	2012/1/19	Sunny	6	6.2	0.50	2.8	3	Dark olive brown	None	—	—	—	—	8.1	26.2	39.4	6.7	2.6	86.5	2.650	Sand with gravel	<30	60	79	Former evacuation-prepared areas in case of emergency	
30	Kidogawa River	Nagatorobashi Bridge	Manamagawa Town	2012/1/16	Sunny	7	7.4	0.30	4.4	5	Dark gravel-yellow	None	—	—	—	—	0.3	13.5	72.3	13.4	0.5	76.2	2.649	Sand	<30	420	550	Restricted areas	
31	Kidogawa River	Kidokawabashi Bridge	Manamagawa Town	2012/1/16	Sunny	6	6.2	0.30	4.7	5	Yellowish gray	None	—	—	—	5.1	4.2	26.1	45.6	17.1	1.9	78.7	2.674	Sand with gravel	<30	330	450	Restricted areas	
32	Asamigawa River	Bodabashi Bridge	Manamagawa Town	2012/1/19	Sunny	5	5.2	0.80	6.0	5	Olive brown	None	—	—	—	—	3.0	21.9	69.1	5.3	0.7	82.1	2.623	Sand with gravel	<30	550	710	Former evacuation-prepared areas in case of emergency	
33	Ohisagawa River	Kageisobashi Bridge	Iwakashi City	2012/1/15	Sunny	6	6.8	0.30	3.6	3	Olive brown	None	—	—	—	3.7	20.5	28.2	30.6	16.0	1.0	88.6	2.636	Sand with gravel	<30	900	1,200		
34	Kohisagawa River	Reigobashi Bridge	Iwakashi City	2012/1/15	Sunny	6	6.6	0.30	3.3	3	Dark brown	None	—	—	—	30.9	37.4	25.6	5.8	0.3	2.0	89.4	2.600	Gravel with sand	<30	160	190		
35	Nidagawa River	Kasumabashi Bridge	Iwakashi City	2012/1/16	Sunny	2	2.7	0.20	4.4	3	Dark brown	None	—	—	—	28.3	14.3	19.3	33.1	3.2	1.3	83.2	2.715	Sand with gravel	<30	100	150		
36	Nidagawa River	Matsubashi Bridge	Iwakashi City	2012/1/16	Sunny	6	6.9	0.80	4.2	3	Brownish black	None	—	—	—	26.6	6.0	12.1	37.8	35.2	3.3	80.4	2.680	Sand with gravel	<30	540	660		
37	Natsugawa River	Kitanouchibashi Bridge	Iwakashi Town	2012/1/18	Clear	0	0.5	0.30	2.2	5	Dark olive brown	None	—	—	—	—	0.2	2.9	45.0	45.0	6.9	72.0	2.736	Sand with gravel	<30	86	120		
38	Natsugawa River	Kiyudayubashi Bridge	Iwakashi City	2012/1/18	Sunny	9	9.6	0.40	4.0	3	Brownish black	None	—	—	—	0.4	2.8	27.5	50.9	12.5	5.9	84.3	2.662	Gravel with silt	<30	50	67		
39	Natsugawa River	Rokuunabashi Bridge	Iwakashi City	2012/1/16	Sunny	7	7.1	0.50	3.0	3	Brownish black	None	—	—	—	—	2.8	5.9	16.4	42.2	16.3	70.9	2.648	Silt with sand	<30	90	120		
40	Yoshimigawa River	Iwanatsunbashi Bridge	Iwakashi City	2012/1/16	Sunny	8	8.0	0.30	4.6	5	Dark olive brown	None	—	—	—	—	3.5	6.4	77.0	11.4	4.9	80.4	2.677	Sand	<30	180	270		
41	Yoshimigawa River	Yoshimigawa River	Iwakashi City	2012/1/16	Sunny	9	9.0	0.30	6.2	5	Olive black	None	—	—	—	—	1.1	49.3	41.9	—	—	73.4	2.675	Sand	<30	230	250		
42	Fuiwaragawa River	Shimabashi Bridge	Iwakashi City	2012/1/17	Clear	3	3.4	0.60	5.4	10	Olive black	None	—	—	—	2.1	9.4	31.1	38.5	9.6	9.3	67.5	2.598	Sand with silt	<30	270	360		
43	Fuiwaragawa River	Minatoobashi Bridge	Iwakashi City	2012/1/19	Cloudy	4	4.8	2.55	9.2	5	Grayish olive	None	—	—	—	—	0.1	0.9	34.8	56.8	7.4	75.2	2.679	Sand with silt	<30	220	300		
44	Samegawa River	Idosawabashi Bridge	Iwakashi City	2012/1/17	Clear	0	0.8	0.60	4.6	3	Olive brown	None	—	—	—	—	0.2	4.2	78.7	15.9	1.0	82.7	2.754	Sand	<30	65	96		
45	Samegawa River	Samegawabashi Bridge	Iwakashi City	2012/1/17	Clear	6	6.8	0.50	7.8	5	Dark gravel-yellow	None	—	—	—	—	1.0	6.6	69.6	19.4	3.4	81.7	2.718	Sand	<30	38	53		
46	Shitokigawa River	Komurobashi Bridge	Iwakashi City	2012/1/17	Clear	0	0.6	0.50	3.6	5	Dark olive brown	None	—	—	—	—	3.0	84.4	9.5	—	—	78.1	2.713	Sand	<30	50	72		
47	Bindagawa River	Kobanabashi Bridge	Iwakashi City	2012/1/20	Rain	2	2.6	0.50	4.8	3	Dark olive brown	None	—	—	—	35.3	9.7	8.1	36.4	10.0	0.5	83.4	2.714	Sand with gravel	<30	130	180		
48																													

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

River (Hamadori Area): 3rd Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature(℃)	Surrounding environment (soil and air dose)							Surrounding environment (soil and air dose)							Remarks																																																																																																																																																																																																																																																																																																																																																																																															
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							Color	General items	Property	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material		Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive material	Radioactive 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Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

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

River (Nakadori Area): 3rd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature (°C)	Full depth m	Water quality											Remarks	
No.	Water body	Point	Municipality					General items					Electrical conductivity (µmho/cm)	pH	Turbidity (NTU)	Radioactive material				
								Water temperature (°C)	Sampling depth at	Color	Odor	Transparency				Radioactivity Cs-134	Radioactivity cesium Cs-137			
49	Abukumagawa River System	Abukumagawa River	Habutohashi Bridge	Nishigomura Village	2012/1/20	Snow	-0.4	0.60	2.9	0.0	Colorless	None	100 or more	13.3	4	3.2	<1	<1	<1	
50		Abukumagawa River	Tamachiohoshi Bridge	Shirakawashi City	2012/1/19	Sunny	6.0	0.50	5.1	0.0	Colorless transparent	None	100 or more	13.4	4	5.3	<1	<1	<1	
51		Yanagawa	Before the confluence with Abukumagawa River	Shirakawashi City	2012/1/16	Cloudy	1.6	1.40	5.6	0.0	Colorless transparent	None	100 or more	27.7	2	2.8	<1	<1	<1	
52		Yashiroga	Yashirogawabashi Bridge	Yanagiramachi Town	2012/1/17	Sunny	2.8	0.30	2.5	0.0	Colorless transparent	None	100 or more	15.4	2	5.1	<1	<1	<1	
53		Kiasugawa	Yanagubashi Bridge	Hirataura Village	2012/1/17	Sunny	0.3	0.30	2.2	0.0	Colorless transparent	None	100 or more	12.8	1	1.1	<1	<1	<1	
54		Imadegawa	Nekonakibashi Bridge	Ishikawamachi Town	2012/1/17	Cloudy	3.4	0.70	3.2	0.0	Colorless transparent	None	100 or more	13.7	3	4.3	<1	<1	<1	
55		Yashiroga	Onbashi Bridge	Ishikawamachi Town	2012/1/16	Cloudy	1.8	0.40	1.6	0.0	Colorless transparent	None	100 or more	15.0	2	3.4	<1	<1	<1	
56		Abukumagawa	Kawanomebashi Bridge	Hamakawamura Village	2012/1/19	Sunny	4.5	0.40	2.2	0.0	Dark greenish yellow green	None	100 or more	19.3	3	4.6	<1	<1	<1	
57		Abukumagawa	Emochibashi Bridge	Sukagawashi City	2012/1/18	Clear	4.5	0.50	2.7	0.0	Colorless transparent	None	100 or more	19.5	2	3.6	<1	<1	<1	
58		Shakadoga	Sukagawashi City water intake point	Sukagawashi City	2012/1/18	Clear	3.0	0.30	3.8	0.0	Colorless transparent	None	100 or more	15.4	5	7.7	<1	<1	<1	
59		Shakadoga	Before the confluence with Abukumagawa River	Sukagawashi City	2012/1/18	Clear	2.9	0.30	3.3	0.0	Colorless transparent	None	100 or more	18.2	5	7.7	<1	<1	<1	
60		Sasabara	Shinbashi Bridge	Koriyamashi City	2012/1/18	Clear	-0.2	0.40	1.0	0.0	Colorless transparent	Faint sewage	100 or more	25.3	3	5.1	<1	<1	<1	
61		Yatagawa	Yatagawabashi Bridge	Koriyamashi City	2012/1/18	Clear	-0.9	0.20	0.1	0.0	Colorless transparent	None	100 or more	22.0	4	4.0	<1	<1	<1	
62		Takinega	Funehikibashi Bridge	Tamurashi City	2012/1/17	Cloudy	-0.2	0.30	2.2	0.0	Colorless transparent	None	100 or more	15.5	2	2.7	<1	<1	<1	
63		Okakinega	Before the confluence with Abukumagawa River	Koriyamashi City	2012/1/17	Sunny	-1.4	0.35	2.0	0.0	Colorless transparent	None	100 or more	18.1	2	3.4	<1	<1	<1	
64		Onsegawa	Before the confluence with Iitaga River	Koriyamashi City	2012/1/17	Sunny	1.6	0.40	3.0	0.0	Colorless transparent	None	100 or more	22.8	2	2.5	<1	<1	<1	
65		Onsegawa	Makunouchibashi Bridge	Koriyamashi City	2012/1/17	Sunny	3.3	0.80	3.8	0.0	Dark green	Faint sewage	100 or more	41.0	5	7.3	<1	<1	<1	
66		Onsegawa	Before the confluence with Abukumagawa River	Koriyamashi City	2012/1/17	Sunny	2.2	0.33	3.4	0.0	Colorless transparent	Faint sewage	80	41.3	4	4.4	<1	<1	<1	
67		Abukumagawa	Abukumagawa	Akutsubashi Bridge	Koriyamashi City	2012/1/17	Sunny	1.7	0.41	2.4	0.0	Grayish yellow green	None	100 or more	26.9	2	3.1	<1	<1	<1
68		Abukumagawa	Gohyakugawa	Gohyakugawa	Koriyamashi City	2012/1/16	Snow	1.9	0.27	5.1	0.0	Colorless transparent	None	100 or more	11.4	<1	0.3	<1	<1	<1
69		Gohyakugawa	Gohyakugawa	Kamsekishitabashi Bridge	Motomiyashi City	2012/1/17	Sunny	4.4	0.45	1.2	0.0	Colorless transparent	None	100 or more	15.8	1	1.0	<1	<1	<1
70		Gohyakugawa	Gohyakugawa	Motomiyashi City	2012/1/17	Sunny	1.5	0.30	1.8	0.0	Colorless transparent	None	100 or more	17.7	3	1.5	<1	<1	<1	
71		Abukumagawa	Takadabashi Bridge	Nihomatsushin City	2012/1/17	Sunny	-0.1	0.50	0.9	0.0	Dark green	None	100 or more	25.0	2	3.1	<1	<1	<1	
72		Kuchibuto	Kuchibutogawabashi Bridge	Nihomatsushin City	2012/1/15	Sunny	2.8	0.40	1.4	0.0	Colorless transparent	None	100 or more	13.4	5	2.6	<1	<1	<1	
73		Utsushiga	Usegawabashi Bridge	Nihomatsushin City	2012/1/21	Snow	-0.2	0.40	1.6	0.0	Colorless transparent	None	100 or more	17.2	2	2.9	<1	<1	<1	
74		Mizuhara	Getouchibashi Bridge	Fukushima City	2012/1/20	Snow	0.1	0.30	2.0	0.0	Colorless transparent	None	100 or more	11.3	2	2.4	<1	<1	<1	
75		Megamiga	Isurumakibashi Bridge	Fukushima City	2012/1/20	Snow	0.2	0.30	3.0	0.0	Colorless transparent	None	100 or more	27.9	3	4.3	<1	<1	<1	
76		Abukumagawa	Horaiabashi Bridge	Fukushima City	2012/1/20	Cloudy	2.0	0.40	2.1	0.0	Grayish yellow green	None	48	23.7	2	2.9	<1	<1	<1	
77		Nigorigawa	Before the confluence with Onsegawa River	Fukushima City	2012/1/15	Sunny	1.6	0.50	6.0	0.0	Dark yellow green	Faint sewage	48	31.1	6	9.9	<1	<1	<1	
78		Arakawa	Hinokurabashi Bridge	Fukushima City	2012/1/15	Sunny	1.6	0.40	4.1	0.0	Colorless transparent	None	100 or more	34.7	2	2.6	<1	<1	<1	
79		Sukawa	Sukawabashi Bridge	Fukushima City	2012/1/15	Sunny	1.4	0.40	4.7	0.0	Colorless transparent	None	100 or more	67.6	<1	0.9	<1	<1	<1	
80		Arakawa	Before the confluence with Abukumagawa River	Fukushima City	2012/1/15	Cloudy	1.4	0.30	6.1	0.0	Colorless transparent	None	53	36.1	12	5.7	<1	<1	<1	
81	Matsukawa	Before the confluence with Abukumagawa River	Fukushima City	2012/1/20	Cloudy	3.1	0.30	4.1	0.0	Colorless transparent	None	100 or more	23.2	4	4.6	<1	<1	<1		
82	Hattandaga	Hattandabashi Bridge	Fukushima City	2012/1/20	Cloudy	2.5	0.30	2.8	0.0	Grayish yellow green	None	95	22.7	7	5.9	<1	<1	<1		
83	Surikamigawa	Toisunabashi Bridge	Fukushima City	2012/1/17	Sunny	-0.6	0.40	3.3	0.0	Colorless transparent	None	100 or more	7.9	1	1.6	<1	<1	<1		
84	Surikamigawa	Before the confluence with Abukumagawa River	Fukushima City	2012/1/17	Sunny	0.8	0.40	5.1	0.0	Colorless transparent	None	100 or more	9.4	1	1.4	<1	<1	<1		
85	Abukumagawa	Tashobashi Bridge	Dateshi City	2012/1/20	Cloudy	2.5	0.30	2.5	0.0	Colorless transparent	None	100 or more	24.3	3	3.3	<1	<1	<1		
86	Hirosegawa	Tatenokoshibashi Bridge	Kamatsunomachi Town	2012/1/15	Sunny	2.5	0.30	2.8	0.0	Colorless transparent	None	100 or more	12.6	1	1.2	<1	<1	<1		
87	Hirosegawa	Izozogawabashi Bridge	Dateshi City	2012/1/19	Cloudy	5.8	0.40	4.2	0.0	Colorless transparent	None	10	15.4	280	100	<1	<1	<1		
88	Osunigawa	Before the confluence with Hirosegawa River	Dateshi City	2012/1/19	Cloudy	6.0	0.40	5.8	0.0	Colorless transparent	None	100 or more	31.3	2	2.8	<1	<1	<1		
89	Hirosegawa	Before the confluence with Abukumagawa River	Dateshi City	2012/1/19	Cloudy	4.6	0.40	6.2	0.0	Colorless transparent	None	100 or more	18.9	2	2.2	<1	<1	<1		
90	Kurokawa	Prefectural border with Iochigi	Shirakawashi City	2012/1/19	Sunny	6.2	0.20	5.6	0.0	Colorless transparent	None	100 or more	9.3	1	1.1	<1	<1	<1		
91	Others	Kunigawa	Matsuokabashi Bridge	Yanaguramachi Town	2012/1/17	Sunny	2.2	0.40	2.5	0.0	Colorless transparent	None	100 or more	15.1	1	1.6	<1	<1	<1	
92	Others	Kunigawa	Takachihabashi Bridge	Yanaguramachi Town	2012/1/17	Sunny	0.8	1.20	0.8	0.0	Colorless transparent	None	100 or more	11.8	1	1.3	<1	<1	<1	

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

River (Nakadori Area): 3rd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Full depth m	Sediment															Remarks																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on 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ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss on ignition	Loss

2am.

River (Nakadori Area): 3rd Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature	Surrounding environment (soil and air dose)							Surrounding environment (soil and air dose)							Remarks
No.	Water body	Point	Municipality				General items			Soil			Air dose (μ)	General items			Soil			Air dose (μSv/h)	
							Color	Odor	Property	Radioactive materials (Bq/kg)	Radioactive materials (Bq/kg)	Radioactive materials (Bq/kg)		Color	Odor	Property	Radioactive materials (Bq/kg)	Radioactive materials (Bq/kg)	Radioactive materials (Bq/kg)		
49	Abukumagawa River	Hainobashashi Bridge	Shikagawa Village	2012/1/20	Snow	-0.4	Brownish black	Faint earth	Loamv	<30	1,900	2,600	0.62	Brownish black	Faint earth	Loamv	<30	4,000	5,400	0.67	
50	Abukumagawa River	Imachibashashi Bridge	Shikagawa City	2012/1/19	Sunny	6.0	Dark brown	Faint earth	Sandy	<30	820	1,000	0.58	Brownish black	Faint earth	Sandy	<30	1,900	980	0.67	
51	Yatagawa River	Before the confluence with Abukumagawa River	Shikagawa City	2012/1/16	Cloudy	1.6	Yellowish brown	None	Loamv	<30	2,800	3,500	0.59	Dark brown	None	Loamv	<30	1,900	2,600	0.43	
52	Yatagawa River	Yashirogawabashi Bridge	Itasagarimachi Town	2012/1/17	Sunny	2.8	Oliver black	None	Loamv	<30	930	1,200	0.29	Oliver black	None	Loamv	<30	550	740	0.27	
53	Kitahogawa River	Yanagibashi Bridge	Itataramura Village	2012/1/17	Sunny	0.3	Dark brown	None	Loamv	<30	670	880	0.15	Dark olive brown	None	Loamv	<30	180	230	0.16	
54	Imadagawa River	Nekomakibashi Bridge	Itakuramachi Town	2012/1/17	Cloudy	3.4	Dark olive brown	None	Loamv	<30	540	700	0.19	Oliver brown	None	Loamv	<30	210	310	0.14	
55	Yoshinogawa River	Oribashi Bridge	Itakuramachi Town	2012/1/16	Cloudy	1.8	Dark olive brown	None	Loamv	<30	350	460	0.12	Black	Faint earth	Loamv	<30	410	480	0.15	
56	Abukumagawa River	Kawanomeshashi Bridge	Itakuramachi Village	2012/1/19	Sunny	4.5	Brownish black	Faint earth	Sandy	<30	200	300	0.16	Brownish black	Faint earth	Sandy	<30	340	420	0.20	
57	Abukumagawa River	Imochibashi Bridge	Shikagawa City	2012/1/18	Clear	4.5	Brownish black	Faint earth	Loamv	<30	1,100	1,500	0.39	Brownish black	Faint earth	Clay-loamv	<30	1,100	1,500	0.37	
58	Shikadagawa River	Shikagawa City water intake point	Shikagawa City	2012/1/18	Clear	3.0	Dark brown	Faint earth	Loamv	<30	610	860	0.41	Dark brown	Faint earth	Loamv	<30	710	930	0.40	
59	Shikadagawa River	Before the confluence with Abukumagawa River	Shikagawa City	2012/1/18	Clear	2.9	Dark brown	Faint earth	Clay-loamv	<30	1,600	2,200	0.51	Brownish black	Faint earth	Loamv	<30	810	1,100	0.47	
60	Sasakagawa River	Shimbasashi Bridge	Koriyamashi City	2012/1/18	Clear	-0.2	Dark brown	Faint earth	Sandy	<30	1,500	1,900	0.53	Dark brown	Faint earth	Sandy	<30	2,300	3,100	0.78	
61	Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/1/18	Clear	-0.9	Brownish black	Faint earth	Loamv	<30	2,000	2,600	0.58	Brownish black	Faint earth	Loamv	<30	1,400	1,900	0.58	
62	Okunogawa River	Fumehibashi Bridge	Tamurashi City	2012/1/17	Cloudy	-0.2	Yellowish brown	Faint earth	Loamv	<30	1,100	920	0.23	Brownish black	Faint earth	Loamv	<30	540	740	0.26	
63	Okunogawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/1/17	Sunny	-1.4	Dark olive brown	Earth	Loamv	<30	2,800	3,700	0.54	Dark olive brown	Earth	Loamv	<30	2,200	2,900	0.50	
64	Onogawa River	Before the confluence with Kitahogawa River	Koriyamashi City	2012/1/17	Sunny	1.6	Dark brown	Faint earth	Loamv	<30	1,200	1,600	0.85	Brownish black	Faint earth	Clay-loamv	<30	4,500	5,900	0.95	
65	Onogawa River	Makunouchibashi Bridge	Koriyamashi City	2012/1/17	Sunny	3.3	Brownish black	Faint earth	Loamv	<30	4,400	6,000	1.10	Brownish black	Faint earth	Loamv	<30	1,700	2,300	1.16	
66	Onogawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/1/17	Sunny	2.2	Oliver brown	Faint earth	Loamv	<30	2,500	3,800	1.10	Dark olive brown	None	Clay-loamv	<30	4,400	5,600	1.89	
67	Abukumagawa River	Akutsuibashi Bridge	Koriyamashi City	2012/1/17	Sunny	1.7	Dark olive brown	None	Sandy	<30	240	350	0.55	Oliver brown	None	Sandy	<30	410	540	0.89	
68	Abukumagawa River	Before the confluence with Kitahogawa River	Koriyamashi City	2012/1/16	Snow	1.9	Oliver brown	Faint earth	Loamv	<30	2,700	2,900	0.72	Dark greenish yellow	Earth	Loamv	<30	3,800	4,900	0.57	
69	Gohyakagawa River	Kamsekishitabashi Bridge	Motomiya City	2012/1/17	Sunny	4.4	Dark olive brown	Faint earth	Loamv	<30	5,400	7,200	1.25	Dark olive brown	Faint earth	Loamv	<30	4,300	5,500	1.26	
70	Gohyakagawa River	Before the confluence with Abukumagawa River	Motomiya City	2012/1/17	Sunny	1.5	Brownish black	Faint earth	Clay-loamv	<30	1,400	1,900	1.63	Brownish black	Faint earth	Sandy	<30	1,900	2,400	1.54	
71	Kachibagawa River	Takadabashi Bridge	Nihamatsuchi City	2012/1/17	Sunny	-0.1	Oliver brown	Faint earth	Sandy	<30	240	310	0.78	Oliver brown	Faint earth	Sandy	<30	680	940	0.72	
72	Kachibagawa River	Kachibagawabashi Bridge	Nihamatsuchi City	2012/1/15	Sunny	2.8	Brownish black	Faint earth	Loamv	<30	3,700	4,200	0.55	Brownish black	Faint earth	Loamv	<30	2,700	3,500	0.49	
73	Usuhigawa River	Osegawabashi Bridge	Nihamatsuchi City	2012/1/21	Snow	-0.2	Brownish black	None	Loamv	<30	7,100	9,500	0.89	Dark brown	None	Loamv	<30	2,800	3,700	1.03	
74	Moribagawa River	Getouchibashi Bridge	Fukushima City	2012/1/20	Snow	0.1	Brownish black	None	Loamv	<30	4,300	5,700	1.37	Brownish black	None	Loamv	<30	13,000	17,000	1.34	
75	Megurogawa River	Tsurumakibashi Bridge	Fukushima City	2012/1/20	Snow	0.2	Brownish black	None	Loamv	<30	2,900	3,900	0.95	Oliver brown	None	Loamv	<30	3,500	4,700	0.97	
76	Abukumagawa River	Horabashi Bridge	Fukushima City	2012/1/20	Cloudy	2.0	Dark brown	None	Loamv	<30	3,600	4,900	0.98	Dark brown	None	Loamv	<30	3,900	5,100	0.60	
77	Nagatogawa River	Before the confluence with Onogawa River	Fukushima City	2012/1/15	Sunny	1.6	Brownish black	Faint earth	Loamv	<30	4,300	6,200	1.44	Dark olive brown	Faint earth	Loamv	<30	7,500	10,000	1.36	
78	Arakawa River	Hinokurabashi Bridge	Fukushima City	2012/1/15	Sunny	6	Brownish black	Faint earth	Sandy	<30	1,500	1,900	0.72	Dark olive brown	Faint earth	Loamv	<30	580	760	0.22	
79	Sukawa River	Sukawabashi Bridge	Fukushima City	2012/1/15	Sunny	4	Brownish black	Faint earth	Loamv	<30	9,400	12,000	0.69	Brownish black	Faint earth	Loamv	<30	4,400	6,000	0.58	
80	Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/1/15	Cloudy	1.4	Dark olive brown	Faint earth	Loamv	<30	1,400	1,800	1.52	Brownish black	Faint earth	Loamv	<30	11,000	15,000	2.16	
81	Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/1/20	Cloudy	3.1	Brownish black	None	Loamv	<30	2,800	3,800	1.31	Dark olive brown	None	Loamv	<30	2,900	3,800	1.61	
82	Hanadagawa River	Hanadabashi Bridge	Fukushima City	2012/1/20	Cloudy	2.5	Brownish black	None	Loamv	<30	4,700	5,600	0.85	Dark greenish yellow	None	Loamv	<30	3,400	4,800	0.90	
83	Narukagawa River	Itatsunabashi Bridge	Fukushima City	2012/1/17	Sunny	-0.6	Dark olive brown	Faint earth	Loamv	<30	4,900	6,500	0.95	Dark olive brown	Faint earth	Loamv	<30	3,000	4,100	0.96	
84	Narukagawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/1/17	Sunny	0.8	Brownish black	Faint earth	Loamv	<30	5,500	6,900	0.98	Dark greenish yellow	Faint earth	Loamv	<30	3,500	4,800	1.13	
85	Abukumagawa River	Tashobashi Bridge	Dateshi City	2012/1/20	Cloudy	2.5	Brownish black	None	Loamv	<30	2,000	2,600	0.84	Brownish black	None	Loamv	<30	17,000	22,000	0.89	
86	Hirosegawa River	Tatenokoshibashi Bridge	Yamanashi Town	2012/1/15	Sunny	2.5	Brownish black	Faint earth	Loamv	<30	4,700	6,100	0.96	Black	Faint earth	Loamv	<30	4,100	5,400	0.97	
87	Hirosegawa River	Izozogawabashi Bridge	Dateshi City	2012/1/19	Cloudy	5.8	Dark brown	Faint earth	Loamv	<30	2,200	2,800	1.64	Dark brown	Faint earth	Loamv	<30	3,400	4,400	1.59	
88	Yanagigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/1/19	Cloudy	6.0	Dark olive brown	Faint earth	Loamv	<30	870	1,100	1.50	Dark olive brown	Faint earth	Loamv	<30	2,100	2,900	1.55	
89	Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2012/1/19	Cloudy	4.6	Oliver black	None	Loamv	<30	990	1,200	0.60	Oliver brown	None	Loamv	<30	4,000	5,400	1.04	
90	Kurokawa River	Prefectural border with Tochigi	Shikagawa City	2012/1/19	Sunny	6.2	Dark brown	Faint earth	Loamv	<30	1,200	1,700	0.60	Brownish black	Faint earth	Loamv	<30	1,200	1,600	0.62	
91	Others	Kuigawa River	Itasagarimachi Town	2012/1/17	Sunny	2.2	Brown	None	Loamv	<30	410	500	0.21	Dark olive brown	None	Loamv	<30	460	600	0.20	
92		Kuigawa River	Takachinabashi	Yamanashi Town	2012/1/17	Sunny	0.8	Brown	None	Loamv	<30	310	430	0.13	Dull	None	Loamv	<30	50	78	0.12

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

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

River (Aizu Area): 3rd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Water quality												Remarks
No.	Water body	Point	Municipality					General items								Radioactive material				
								water temperature	Sampling depth	Color	Odor	Transparency cm	Electrical conductivity	SS mg/l	turbidity	Radioactive iodine	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
93	Aganogawa River System	Aganogawa River Tajimabashi Bridge	Minamizumachi Town	2012/1/26	Sunny	-3.0	1.00	1.5	0.0	Colorless transparent	None	100 or	6.1	<1	0.6	<1	<1	<1	Survey location changed to the downstream side of Okawabashi Bridge, and water quality and sediment survey conducted.	
94		Aganogawa River Okawabashi Bridge	Aizuwakamatsuchi City	2012/1/26	Snow	-1.8	0.30	3.0	0.0	Colorless transparent	None	100 or	8.5	<1	1.1	<1	<1	<1		
95		Yukawa River Takimibashi Bridge	Aizuwakamatsuchi City	2012/1/26	Snow	-1.4	0.20	2.6	0.0	Colorless transparent	None	100 or	21.7	<1	1.1	<1	<1	<1		
96		Yukawa River Shinyukawabashi Bridge	Aizuwakamatsuchi City	2012/1/26	Sunny	-1.5	0.30	4.3	0.0	Colorless transparent	Faint sewage	100 or	16.8	10	6.9	<1	<1	<1		
97		Yukawa River Before the confluence with Aganogawa River	Aizuwakamatsuchi City	2012/1/26	Sunny	-2.4	0.40	4.8	0.0	Colorless transparent	Faint sewage	100 or	20.7	12	8.8	<1	<1	<1		
98		Myakawa River Saikunabashi Bridge	Aizuhangemachi Town	2012/1/26	Snow	-2.8	0.30	4.6	0.0	Colorless transparent	None	100 or	11.1	3	3.8	<1	<1	<1		
99		Aganogawa River Miyakobashi Bridge	Aizuhangemachi Town	2012/1/26	Sunny	-2.6	0.50	4.5	0.0	Colorless transparent	None	100 or	11.8	2	2.4	<1	<1	<1		
100		Nippahigawa River Minamiohashi Bridge	Kitakatachi City	2012/1/27	Snow	-0.8	0.30	3.1	0.0	Colorless transparent	None	100 or	22.9	1	1.4	<1	<1	<1		
101		Kyotakawa River Awanomiyabashi Bridge	Yugawamura Village	2012/1/27	Snow	-0.6	0.30	3.5	0.0	Colorless transparent	None	100 or	21.8	6	5.3	<1	<1	<1		
102		Kyotakawa River Josukebashi Bridge	Aizuhangemachi Town	2012/1/27	Snow	-2.8	0.20	4.0	0.0	Colorless transparent	None	100 or	15.3	9	7.5	<1	<1	<1		
103		Tatsukigawa River Ohashi Bridge	Kitakatachi City	2012/1/27	Snow	-1.4	0.40	0.9	0.0	Colorless transparent	None	100 or	12.2	<1	0.7	<1	<1	<1		
104		Tatsukigawa River Shimokawabashi Bridge	Kitakatachi City	2012/1/24	Sunny	0.2	0.30	6.5	0.0	Colorless transparent	None	100 or	15.5	3	3.0	<1	<1	<1		
105		Nigorigawa River Nigorogawabashi Bridge	Kitakatachi City	2012/1/27	Snow	-1.2	0.30	2.3	0.0	Colorless transparent	None	100 or	16.4	4	4.4	<1	<1	<1		
106	Nigorigawa River Yamazakibashi Bridge	Kitakatachi City	2012/1/27	Snow	-2.4	0.30	2.6	0.0	Colorless transparent	None	100 or	14.0	3	3.1	<1	<1	<1			
107	Inagawa River Aoyagibashi Bridge	Minamizumachi Town	2012/1/26	Snow	-3.0	0.80	0.1	0.0	Colorless transparent	None	100 or	8.1	1	0.8	<1	<1	<1			
108	Inagawa River Kurosawabashi Bridge	Tadamimachi Town	2012/1/26	Snow	-3.0	1.00	0.1	0.0	Dark green	None	100 or	8.5	4	2.9	<1	<1	<1			
109	Tadamigawa River Nishitanibashi Bridge	Kaneyamachi Town	2012/1/25	Sunny	0.5	0.30	3.4	0.0	Grayish yellow green	None	43	6.1	28	16	<1	<1	<1			
110	Tadamigawa River Fujibashi Bridge	Aizuhangemachi Town	2012/1/27	Snow	-2.2	0.30	4.2	0.0	Grayish yellow green	None	100 or	5.3	15	18	<1	<1	<1			
111	Aganogawa River Shingo Dam	Kitakatachi City	2012/1/27	Snow	-2.5	0.30	1.6	0.0	Colorless yellow green	None	100 or	8.5	13	13	<1	<1	<1	Survey location changed to the right bank about 200 m upper stream due to much snow on the lake shore. Only water quality survey conducted.		
112	Others	Sakawa River Sukawano	Inawashiroemachi Town	2012/1/24	Sunny	-3.5	0.60	1.0	0.0	Colorless transparent	None	100 or	103.9	<1	2.4	<1	<1	<1		
113		Naganogawa River Koganebashi Bridge	Inawashiroemachi Town	2012/1/24	Sunny	-2.0	0.80	0.9	0.0	Yellow green	None	90	28.3	11	11	<1	<1	<1		

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

River (Aizu Area): 3rd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Sediment															Remarks		
No.	Water body	Point	Municipality					General items																	
								Water content (%)	Moisture content (%)	Specific gravity	Moisture content (%)	Moisture content (%)	Moisture content (%)	Moisture content (%)	Moisture content (%)	Moisture content (%)	Moisture content (%)	Moisture content (%)	Mud content (%)	Soil particle	Property	Radioactive live		Radioactive Cs-134	Radioactive Cs-137
93	Aganogawa River System	Aganogawa River Tajimabashi Bridge	Minamizumachi Town	2012/1/26	Sunny	-3.0	1.00	2.8	3	Dark brown	None	—	40.7	34.7	16.2	7.4	0.3	0.7	86.9	2.606	Gravel	<30	<10	<10	Survey location changed to the downstream side of Okawabashi Bridge, and water quality and sediment survey conducted.
94		Aganogawa River Okawabashi Bridge	Aizuwakamatsuchi City	2012/1/26	Snow	-1.8	0.30	2.6	3	Brownish black	None	—	27.6	53.3	15.5	2.6	0.1	0.9	94.5	2.697	Gravel with sand	<30	<10	<10	
95		Yukawa River Takimibashi Bridge	Aizuwakamatsuchi City	2012/1/26	Snow	-1.4	0.20	2.4	3	Brownish black	None	11.1	21.9	8.4	10.5	33.9	13.0	1.2	79.8	2.686	Sand with gravel	<30	96	160	
96		Yukawa River Shin'yukawabashi Bridge	Aizuwakamatsuchi City	2012/1/26	Sunny	-1.5	0.30	3.0	3	Olive black	None	13.5	24.0	7.1	19.0	31.8	3.7	0.9	79.3	2.677	Silt/clay with sand	<30	210	290	
97		Yukawa River Before the confluence with Aganogawa River	Aizuwakamatsuchi City	2012/1/26	Sunny	-2.4	0.40	2.8	3	Brownish black	None	—	69.9	6.8	4.4	15.6	2.8	0.7	73.0	2.670	Silt/clay with sand	<30	230	320	
98		Myakawa River Saikunobashi Bridge	Aizuhangemachi Town	2012/1/26	Snow	-2.8	0.30	2.8	3	Grayish olive	None	—	39.3	15.9	21.9	20.3	7.3	0.3	85.8	2.681	Sand with gravel	<30	52	74	
99		Aganogawa River Miyakobashi Bridge	Aizuhangemachi Town	2012/1/26	Sunny	-2.6	0.50	3.6	3	Dark olive	None	—	—	—	0.7	52.6	38.8	7.9	76.7	2.692	Sand	<30	64	78	
100		Nippahigawa River Minamiohashi Bridge	Kitakatachi City	2012/1/27	Snow	-0.8	0.30	1.8	3	Brownish black	None	—	—	0.5	8.6	84.3	3.6	3.0	81.3	2.664	Sand	<30	57	73	
101		Kyotakawa River Awanomiyabashi Bridge	Nagawamura Village	2012/1/27	Snow	-0.6	0.30	2.3	3	Olive black	Faint earth	—	—	4.0	2.8	5.0	30.8	41.9	51.1	53.4	2.614	Silt	<30	960	1,300
102		Kyotakawa River Josukebashi Bridge	Aizuhangemachi Town	2012/1/27	Snow	-2.8	0.20	3.3	3	Brownish black	None	18.7	34.0	8.9	7.4	23.2	7.3	0.7	84.3	2.787	Sand with gravel	<30	86	140	
103		Tatsukigawa River Ohashi Bridge	Kitakatachi City	2012/1/27	Snow	-1.4	0.40	0.9	3	Brownish black	None	—	53.3	23.9	18.6	3.7	0.2	0.3	87.5	2.618	Gravel with sand	<30	27	40	
104		Tatsukigawa River Shimokawabashi Bridge	Kitakatachi City	2012/1/24	Sunny	0.2	0.30	5.8	3	Brownish black	None	—	16.9	2.0	8.6	46.6	19.7	6.2	76.1	2.635	Sand with silt	<30	130	190	
105	Inagawa River	Nigorigawa River Nigorogawabashi Bridge	Kitakatachi City	2012/1/27	Snow	-1.2	0.30	1.9	3	Dark brown	None	—	74.7	11.6	7.8	3.7	0.5	1.7	84.2	2.668	Gravel with sand	<30	14	16	
106		Nigorigawa River Yamazakibashi Bridge	Kitakatachi City	2012/1/27	Snow	-2.4	0.30	2.8	3	Dark brown	None	8.5	37.9	9.0	2.5	15.0	25.0	2.1	68.8	2.658	Sand with gravel	<30	140	210	
107		Inagawa River Aoyabashi Bridge	Minamizumachi Town	2012/1/26	Snow	-3.0	0.80	0.2	10	Dark olive brown	None	—	1.4	9.1	55.2	32.2	0.6	1.5	88.9	2.625	Gravel with sand	<30	<10	<10	
108		Inagawa River Kurosawabashi Bridge	Tadamimachi Town	2012/1/26	Snow	-3.0	1.00	0.0	3	Brownish black	None	—	5.2	0.5	0.2	26.7	60.3	7.1	75.2	2.666	Sand with gravel	<30	<10	<10	
109		Tadamigawa River Nishitambashi Bridge	Kaneyamachi Town	2012/1/25	Sunny	0.5	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment due to river bed being gravel
110		Tadamigawa River Fubashi Bridge	Aizuhangemachi Town	2012/1/27	Snow	-2.2	0.30	4.2	3	Grayish yellow green	None	—	—	0.2	1.1	29.0	52.2	8.7	8.8	75.2	2.644	Sand	<30	<10	<10
111		Aganogawa River Shingo Dam	Kitakatachi City	2012/1/27	Snow	-2.5	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Survey location changed to the right bank about 200 m upper stream due to much snow on the lake shore. Only water quality survey conducted.
112	Others	Sukawa River Sukawano	Inawashiroemachi Town	2012/1/24	Sunny	-3.5	0.60	1.5	3	Dark brown	None	—	17.1	4.5	12.0	58.7	6.2	1.5	79.4	2.678	Sand with gravel	<30	88	130	
113		Naganogawa River Koganebashi Bridge	Inawashiroemachi Town	2012/1/24	Sunny	-2.0	0.80	1.2	3	Brownish black	None	—	3.6	8.1	10.2	11.6	10.2	36.7	19.6	60.6	2.631	Silt with sand	<30	<10	<10

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

River (Aizu Area): 3rd Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature	Surrounding environment (soil and air dose)							Surrounding environment (soil and air dose)							Remarks								
No.	Water body	Point	Municipality				Left bank			Right bank			Air dose (μSv/h)	Color	Odor	Property	Radioactive cesium (Cs-134, Cs-137)	Air dose (μSv/h)				Color	Odor	Property	Radioactive cesium (Cs-134, Cs-137)	Air dose (μSv/h)			
							Soil			Soil								Soil											
							General items	Radioactive material	Radioactive material	General items	Radioactive material	Radioactive material						General items	Radioactive material	Radioactive material									
Aganogawa River System																													
93	Aganogawa River	Takumabashi Bridge	Itanogawa Town	2012/1/26	Sunny	-5.0	Brownish black	Faint earth	Loamy	<30	65	100	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore		
94	Aganogawa River	Takumabashi Bridge	Itanogawa Town	2012/1/26	Snow	-1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
95	Yukawa River	Takumabashi Bridge	Itanogawa Town	2012/1/26	Snow	-1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
96	Yukawa River	Shinyukawabashi Bridge	Itanogawa Town	2012/1/26	Sunny	-1.5	Brownish black	Faint earth	Loamy	<30	1,700	2,300	0.20	Brownish black	Faint earth	Loamy	<30	2,000	2,900	0.22	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
97	Yukawa River	Shinyukawabashi Bridge	Itanogawa Town	2012/1/26	Sunny	-2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
98	Yukawa River	Shinyukawabashi Bridge	Itanogawa Town	2012/1/26	Snow	-2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
99	Aganogawa River	Miyakobashi Bridge	Itanogawa Town	2012/1/26	Sunny	-2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
100	Aganogawa River	Miyakobashi Bridge	Itanogawa Town	2012/1/26	Sunny	-2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
101	Aganogawa River	Miyakobashi Bridge	Itanogawa Town	2012/1/27	Snow	-0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
102	Aganogawa River	Awanomiyabashi Bridge	Yagurazawa Village	2012/1/27	Snow	-0.6	Black	Faint earth	Loamy	<30	3,500	4,800	0.24	Brownish black	Faint earth	Loamy	<30	290	370	0.27	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
103	Aganogawa River	Obashi Bridge	Itanogawa Town	2012/1/27	Snow	-2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
104	Aganogawa River	Obashi Bridge	Itanogawa Town	2012/1/27	Snow	-1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
105	Aganogawa River	Shimokawabashi Bridge	Itanogawa Town	2012/1/27	Sunny	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
106	Aganogawa River	Shimokawabashi Bridge	Itanogawa Town	2012/1/27	Snow	-1.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
107	Aganogawa River	Yamazakibashi Bridge	Itanogawa Town	2012/1/27	Snow	-2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
108	Aganogawa River	Kawabashi Bridge	Itanogawa Town	2012/1/26	Snow	-3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
109	Aganogawa River	Kurosawabashi Bridge	Itanogawa Town	2012/1/26	Snow	-3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
110	Aganogawa River	Nishitambashi Bridge	Itanogawa Town	2012/1/25	Sunny	0.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
111	Aganogawa River	Tambashi Bridge	Itanogawa Town	2012/1/27	Snow	-2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
112	Aganogawa River	Shirao Dam	Itanogawa Town	2012/1/27	Sunny	-2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Survey location changed to the right bank about 200 m upper stream due to much snow on the lake shore. Only water quality survey conducted.
113	Others	Sukawa River	Sukawano	2012/1/24	Sunny	-3.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
		Naganogawa River	Koganebashi Bridge	Itanogawa Town	2012/1/24	Sunny	-2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore

Note: * Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

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

Lake and Headwater (Hamadori Area): 3rd Water Quality Monitoring Results

Sampling point				Samplin g date	Weather	Air tempe rature ℃	Full depth m	Water quality										Remarks			
No.	Water body	Point	Municipali ty					General items						Radioactive material							
								Sampling g depth	Color	Odor	Secchi disk	SS mg/L	Turbidit y	Radioactive cesium Cs-134	Radioactive cesium Cs-137						
114	Soso (farm pond)	Lake	Shimane City	2012/1/16	Cloudy	3.0	0.5	3.1	0.0	None	0.5 or	16.1	10	15	<1	<1	<1	Unable to survey water quality due to complete drainage of the pond			
115	Soso (farm pond)	Uchizawa	Somashi City	2012/1/16	Cloudy	3.5	—	—	—	—	—	—	—	—	—	—	—				
116	Matsugabo Dam (Utagawako Lake)	1 m from the bottom	Somashi City	2012/1/19	Clear	3.0	31.0	1.4	0.5	None	5.5	8.9	1	2.3	<1	<1	<1				
117	Mano Dam	1 m from the bottom	Itanogawa Village	2012/1/18	Clear	4.2	0.7	2.3	0.5	None	0.7 or	8.2	1	2.3	<1	<1	<1	Deliberate evacuation areas			
118	Ganbe Dam Reservoir	1 m from the bottom	Itanogawa Village	2012/1/15	Sunny	-0.4	—	—	—	—	—	—	—	—	—	—	—	Deliberate evacuation areas; Unable to survey water quality and sediment due to freezing of the lake surface.			
119	Takanokura Dam Reservoir	1 m from the bottom	Manamonomachi City	2012/1/16	Sunny	1.0	0.4	1.8	0.0	Dark green	None	0.4 or	9.4	8	10	<1	<1	<1	Former evacuation-prepared areas in case of emergency; Unable to collect samples due to lower water level, so the survey location changed to dam site to conduct the water quality and sediment survey		
120	Yokokawa Dam Reservoir	1 m from the bottom	Manamonomachi City	2012/1/16	Sunny	-0.6	0.4	3.3	0.0	Dark green	None	0.4 or	5.8	1	2.2	<1	<1	<1	Former evacuation-prepared areas in case of emergency		
121	Okaki Dam	1 m from the bottom	Narimachi Town	2012/1/6	Clear	-0.6	0.5	1.6	0.0	Dark green	None	2.0	6.8	<1	1.1	<1	<1	<1	Restricted areas		
122	Sakashita Dam	1 m from the bottom	Onomichi Town	2012/1/6	Sunny	3.6	3.2	3.2	0.0	Dark green	None	2.8	7.9	1	2.4	<1	<1	<1	Restricted areas		
123	Takikawa Dam	1 m from the bottom	Onomichi Town	2012/1/6	Sunny	1.2	0.5	2.4	0.0	Dark green	None	0.5 or	8.2	1	2.4	<1	<1	<1	Restricted areas		
124	Kido Dam	1 m from the bottom	Narimachi Town	2012/1/6	Sunny	4.8	0.5	3.1	0.0	None	0.5 or	5.0	1	1.6	<1	<1	<1	<1	Restricted areas		
125	Komachi Dam	1 m from the bottom	Onomichi Town	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface		
126	Iwaki (farm pond)	Shimke	Iwakishi City	2012/1/18	Sunny	6.3	1.6	3.0	0.0	Dark green	None	1.6 or	11.3	<1	1.4	<1	<1	<1	<1		
127	Kodama Dam Reservoir (Kodamako Lake)	1 m from the bottom	Iwakishi City	2012/1/19	Cloudy	4.8	53.0	2.8	0.5	Dark green	None	4.0	7.8	2	3.1	<1	<1	<1	<1		
128	Iwaki (farm pond)	Kanoritsutsumishita	Iwakishi City	2012/1/19	Sunny	8.8	0.2	7.2	0.0	Dark green	None	0.2 or	57.0	7	7.3	<1	<1	<1	<1		
129	Takashiba Dam Reservoir (Takashibako Lake)	1 m from the bottom	Iwakishi City	2012/1/19	Sunny	7.5	15.7	2.7	0.5	Yellow green	None	7.2	12.4	<1	1.3	<1	<1	<1	<1		
130	Shitoki Dam Reservoir	1 m from the bottom	Iwakishi City	2012/1/19	Sunny	7.7	38.9	3.4	0.5	Green	None	6.7	7.3	1	1.5	<1	<1	<1	<1		

Note: Sampling points are listed from north to south.

Lake and Headwater (Hamdori Area): 3rd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature (°C)	Fall depth (m)	Sediment																Radioactive material		Remarks	
No.	Water body	Point	Municipality					General items												Radioactive cesium							
								Mechanical composition																			
								Moisture (%)	Moist sampling depth (cm)	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Moist content (%)	Property	Radioactive isotope (%)	Cs-134	Cs-137			
14	Soso (farm pond)	Lakei	Hitatemura Town	2012/1/16	Cloudy	3.0	0.5	4.0	3	Brownish black	None	—	—	0.4	0.7	13.0	66.0	8.6	11.3	75.4	2.671	Sand with silt	<30	68	86		
15	Soso (farm pond)	Uchizawa	Somashi City	2012/1/16	Cloudy	3.5	—	0.7	5	Grayish olive	Faint mud	—	—	—	—	0.2	1.3	25.3	73.2	51.2	2.588	Silt	<30	370	460		
116	Matsugabo Dam (Utagawako Lake)		Somashi City	2012/1/19	Clear	3.0	31.0	2.6	10	Brownish black	None	—	—	1.8	0.4	1.3	4.5	35.3	56.7	40.3	2.498	Silt	<30	3,300	4,200		
17	Mano Dam		Hitatemura Village	2012/1/18	Clear	4.2	0.7	4.2	—	—	—	—	—	0.5	2.6	3.6	9.8	18.6	49.8	25.1	27.3	2.565	Silt with sand	<30	17,000	22,000	Deliberate evacuation areas
18	Ganbe Dam Reservoir		Hitatemura Village	2012/1/15	Sunny	-0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Deliberate evacuation areas; Unable to survey water quality and sediment due to freezing of the lake surface	
19	Takanokura Dam Reservoir		Minamimoroshi City	2012/1/16	Sunny	1.0	0.4	2.7	3	Brownish black	Faint mud	—	—	0.9	0.4	2.1	6.5	16.2	37.8	36.1	50.3	2.573	Silt with sand	<30	13,000	17,000	Former evacuation-prepared areas in case of emergency
20	Yokokawa Dam Reservoir		Minamimoroshi City	2012/1/16	Sunny	-0.6	0.4	6.0	3	Olive brown	None	—	—	3.4	4.8	22.4	52.0	12.1	—	5.3	83.9	2.663	Sand	<30	1,900	2,600	Former evacuation-prepared areas in case of emergency
21	Osaki Dam		Narabuchi Town	2012/1/16	Clear	-0.6	0.5	-1.0	5	Brownish black	None	—	—	7.8	20.2	27.7	35.4	6.5	—	2.4	97.7	2.637	Sand	<30	2,100	3,000	Restricted areas. Unable to collect mud from the lake bottom; mud sampled from the dried area same as previous time.
22	Sakashita Dam		Okumamachi Town	2012/1/16	Sunny	-3.6	3.2	5.4	10	Olive black	—	—	—	2.8	0.8	1.6	3.3	12.5	46.8	32.2	26.4	2.420	Silt with sand	<30	20,000	26,000	Restricted areas
23	Takikawa Dam		Okumamachi Village	2012/1/16	Sunny	1.2	0.5	3.0	3	Brownish black	None	—	—	1.3	1.2	1.3	4.5	10.6	41.1	40.2	24.1	2.405	Sand with silt	<50	53,000	45,000	Restricted areas
24	Kido Dam		Narabuchi Town	2012/1/16	Sunny	4.8	0.5	4.2	10	Grayish olive	None	—	—	0.9	13.4	33.4	44.1	6.4	—	1.8	80.4	2.684	Sand	<30	340	470	Restricted areas
125	Komachi Dam		Okumachi Town	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
126	Iwaki (farm pond)	Shimike	Iwakishi City	2012/1/18	Sunny	6.3	1.6	4.8	3	Brownish black	None	—	—	1.3	6.6	21.1	30.5	16.0	10.7	13.8	75.4	2.614	Overlaid with sand	<30	350	480	
127	Kodama Dam Reservoir (Kodamako Lake)		Iwakishi City	2012/1/19	Cloudy	4.8	54.0	3.8	10	Olive brown	None	—	—	—	—	—	0.7	1.3	40.1	57.9	32.9	2.489	Silt	<30	220	380	
128	Iwaki (farm pond)	Kanorisutsumishita	Iwakishi City	2012/1/19	Sunny	8.8	0.2	6.8	3	Brownish black	None	—	—	1.3	3.6	10.0	45.3	24.1	6.9	8.8	72.7	2.681	Sand with gravel	<30	350	470	
129	Takashiba Dam Reservoir (Takashibako Lake)		Iwakishi City	2012/1/19	Sunny	7.5	15.7	3.6	5	Dark olive	None	—	—	—	—	—	0.3	12.2	63.6	23.9	48.8	2.742	Silt	<30	580	830	
130	Shitoki Dam Reservoir		Iwakishi City	2012/1/19	Sunny	7.7	38.9	4.2	5	Brownish black	None	—	—	—	—	—	0.4	4.0	30.5	45.1	27.3	2.505	Silt	<30	2,800	3,600	

Note: Sampling points are listed from north to south.

Lake and Headwater (Hamadori Area): 3rd Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling date	Weather	Surrounding environment (soil and air dose)										Air dose (μ Sv/h)	Remarks
No.	Water body	Point	Municipality			General items			Radioactive material				Cesium (Cs-134, Cs-137)				
						Color	Odor	Property	Radioactive								
									Strontium	Cesium	Potassium						
114	Soso (farm pond)	Lakei	Shichenchu Town	2012/1/16	Cloudy	3.0	Dark brown	Faint earth	Loamv	<30	2,100	2,800	0.36				
115	Soso (farm pond)	Uchizawa	Somashi City	2012/1/16	Cloudy	3.5	Brown	Faint earth	Loamv	<30	850	1,100	0.36				
116	Matsugabo Dam (Utagawako Lake)		Somashi City	2012/1/19	Clear	3.0	Brownish black	Faint earth	Clay-loamv	<30	3,000	4,000	0.87				
117	Mano Dam		Hitatemura Village	2012/1/18	Clear	4.2	Brownish black	Faint earth	Loamv	<30	3,300	4,300	1.63	Deliberate evacuation areas			
118	Ganbe Dam Reservoir		Hitatemura Village	2012/1/15	Sunny	-0.4	Brownish black	Faint earth	Loamv	<30	410	510	1.87	Deliberate evacuation areas			
119	Takanokura Dam Reservoir		Minamimoroshi City	2012/1/16	Sunny	1.0	Dark brown	Faint earth	Loamv	<30	18,000	24,000	3.35	Former evacuation-prepared areas in case of emergency			
120	Yokokawa Dam Reservoir		Minamimoroshi City	2012/1/16	Sunny	-0.6	Brownish black	Faint earth	Loamv	<30	13,000	17,000	3.57	Former evacuation-prepared areas in case of emergency			
121	Osaki Dam		Narabuchi Town	2012/1/16	Clear	-0.6	Dark brown	None	Loamv	<30	64,000	84,000	20.48	Restricted areas			
122	Sakashita Dam		Okumamachi Town	2012/1/16	Sunny	-3.6	Brownish black	None	Loamv	<30	3,500	4,600	1.36	Restricted areas			
123	Takikawa Dam		Okumamachi Village	2012/1/16	Sunny	1.2	Dark brown	None	Loamv	<30	7,400	9,600	2.82	Restricted areas			
124	Kido Dam		Narabuchi Town	2012/1/16	Sunny	4.8	Brown	Faint earth	Loamv	<30	1,500	2,100	0.79	Restricted areas			
125	Komachi Dam		Okumachi Town	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface			
126	Iwaki (farm pond)	Shimike	Iwakishi City	2012/1/18	Sunny	6.3	Dark brown	None	Loamv	<30	950	1,100	0.40				
127	Kodama Dam Reservoir (Kodamako Lake)		Iwakishi City	2012/1/19	Cloudy	4.8	Dark brown	None	Loamv	<30	130	160	0.22				
128	Iwaki (farm pond)	Kanorisutsumishita	Iwakishi City	2012/1/19	Sunny	8.8	Dark brown	Strong earth	Loamv	<30	600	810	0.30				
129	Takashiba Dam Reservoir (Takashibako Lake)		Iwakishi City	2012/1/19	Sunny	7.5	Brownish black	None	Loamv	<30	1,200	1,600	0.48				
130	Shitoki Dam Reservoir		Iwakishi City	2012/1/19	Sunny	7.7	Brownish black	None	Loamv	<30	1,100	1,400	0.48				

Note: • Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

• Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 3rd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Temperature	Full depth m	Water quality										Remarks	
No.	Water body	Point	Municipality					General items					Radioactive material concentrations (Bq/L)						
				Water temperature	Sampling depth m	Color	Odor	Subsidiary items	SS	Turbidity	Radioactive cesium (1)	Radioactive cesium (Bq/L)							
												Cs-134	Cs-137						
131	Surikamigawa Dam Reservoir		Fukushima City	2012/1/19	Clear	-3.8	67.8	3.9	0.5	None	5.0	3.5	1	2.0	<1	<1	<1		
		1 m from the bottom																	
132	Ken-poku (farm pond)	Handanuma Lake	Kotomachi Town	2012/1/19	Sunny	-3.8	0.4	3.8	0.0	Yellow-green	None	0.4 or more	14.8	3	5.9	<1	<1	<1	
133	Ken-poku (farm pond)	Onike Pond	Motomiyashi City	2012/1/16	Sunny	-2.9	0.6	4.0	0.0	Brown	None	0.6 or more	6.6	1	3.4	<1	<1	<1	
134	Miharu Dam		Miharumachi Town	2012/1/20	Snow	-0.4	25.2	2.5	0.5	None	2.5	16.6	3	3.8	<1	<1	<1		
		1 m from the bottom																	
135	Kenchu (farm pond)	Hounokusa	Koriyamashi City	2012/1/17	Cloudy	0.3	0.2	0.5	0.0	None		16.4	3	4.9	<1	<1	<1		
136	Hatoriko Lake		Tenemura Village															Survey locations (for water quality, sediment and surrounding environment) changed to the other side, and survey conducted. Unable to observe the color and measure the Secchi disk depth (water quality).	
		1 m from the bottom																Unable to conduct the survey due to freezing of the lake surface	
137	Kenchu (farm pond)	Hirodaira	Sakagawashi City	2012/1/19	Sunny	1.0	0.5	3.1	0.0	None	0.5 or more	15.7	2	1.9	<1	<1	<1		
138	Sengosawa Dam Reservoir		Mikawamachi Town	2012/1/18	Sunny	0.4	0.2	1.2	0.0	None	0.2 or more	13.6	15	6.5	<1	<1	<1	Since the freezing of the lake surface prevented the boat from entering the lake, survey location changed to the lake shore and water quality and sediment surveys conducted.	
		1 m from the bottom																	
139	Ken-nan (farm pond)	Watarike Pond	Yabukimachi Town	2012/1/16	Cloudy	-3.4	0.1	3.6	0.0	None	0.1 or more	43.1	12	8.2	<1	<1	<1		
140	Ken-nan (farm pond)	Izumikawa River	Shirakawashi City	2012/1/20	Snow	-0.2	0.2	1.4	0.0	None		17.4	18	6.9	<1	<1	<1	Unable to observe color and measure Secchi disk depth (regarding water quality) due to freezing of the lake surface.	
141	Hokkawa Dam		Nishigomama Village	2012/1/24	Sunny	-1.6	15.5	1.4	0.5	None		6.6	1	2.6	<1	<1	<1	Water quality and sediment surveyed from the bridge over the dam reservoir due to freezing of the lake surface. Unable to measure Secchi disk depth and observe the color (regarding water quality).	
		1 m from the bottom										6.7	2	3.6	<1	<1	<1		
142	Nanko Lake		Shirakawashi City	2012/1/19	Sunny	6.4	1.1	2.5	0.0	None	1.1 or more	18.5	6	7.4	<1	<1	<1	Since the freezing prevented the boat from entering the lake, survey location changed to the pier and water quality and sediment surveys conducted.	

Lake and Headwater (Nakadori Area): 3rd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Temperature	Full depth m	Sediment													Remarks				
No.	Water body	Point	Municipality					General items					Mineral composition					Radioactive material concentrations (Bq/g dried matter)							
				Sampling depth m	Color	Odor	Subsidiary items	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Moisture (%)	Property	Radioactive cesium-134 (Cs-134)	Radioactive cesium-137 (Cs-137)										
131	Surikamigawa Dam Reservoir		Hakushimadai City	2012/1/19	Clear	-3.8	67.8	6.4	3	Black brown	None	3.1	2.3	1.7	60.5	25.4	7.0	84.0	2.679	Sand	<30	4.3	61		
132	Ken-poku (farm pond)	Handanuma Lake	Kotomachi Town	2012/1/19	Sunny	-3.8	0.4	3.0	3	Black	None	—	—	—	0.4	2.2	10.6	44.9	41.9	30.9	2.487	Silt with sand	<30	15,000	20,000
133	Ken-poku (farm pond)	Onke Pond	Motomiyashi City	2012/1/16	Sunny	-2.9	0.6	4.2	3	Yellowish gray	Faint mud	2.0	18.2	26.3	21.9	16.9	7.5	7.2	84.8	2.647	Sand with silt	<30	560	760	
134	Miharu Dam		Miharumachi Town	2012/1/20	Snow	-0.4	25.2	3.0	5	Grayish silt	None	10.6	13.1	8.0	9.0	1.9	23.8	33.6	35.8	2.640	Silt with sand	<30	3,700	4,300	
135	Kenchu (farm pond)	Hounokusa	Koriyamashi City	2012/1/17	Cloudy	0.3	0.2	1.5	5	Brown	Faint mud	4.4	3.8	15.0	29.4	15.8	12.2	19.4	73.7	2.653	Sand with silt	<30	900	1,200	
136	Hatoriko Lake		Henocimura Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
137	Kenchu (farm pond)	Hirodaira	Sakagawashi City	2012/1/19	Sunny	1.0	0.5	2.9	3	Brownish silt	Faint mud	24.6	6.1	10.6	15.9	10.2	11.2	21.4	67.3	2.652	Silt with sand	<30	49	70	
138	Sengosawa Dam Reservoir		Mikawamachi Town	2012/1/18	Sunny	0.4	0.2	1.2	3	Grayish silt	None	32.1	8.2	7.5	9.9	14.1	19.6	8.6	76.1	2.814	Sand with gravel	<30	7	17	
139	Ken-nan (farm pond)	Watarike Pond	Yabukimachi Town	2012/1/16	Cloudy	-3.4	0.1	3.6	3	Dark brown	None	2.0	0.0	0.0	2.0	4.1	47.7	44.2	22.6	2.386	Sand with silt	<30	1,100	1,700	
140	Ken-nan (farm pond)	Izumikawa River	Shirakawashi City	2012/1/20	Snow	-0.2	0.2	2.0	5	Black	Faint mud	0.4	1.8	3.2	27.4	23.3	20.3	23.6	46.5	2.625	Silt with sand	<30	2,500	3,300	
141	Hokkawa Dam		Nishigomama Village	2012/1/24	Sunny	-1.6	15.5	3.8	10	Dark olive	None	—	—	—	0.4	1.3	7.4	42.9	48.0	26.8	2.428	Silt	<30	500	710
142	Nanko Lake		Shirakawashi City	2012/1/19	Sunny	6.4	1.1	3.5	10	Black	Faint mud	0.7	1.9	12.7	32.8	8.5	17.5	25.9	31.1	2.470	Silt	<30	4,500	6,000	

Note: Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 3rd Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature:℃	Surrounding environment (soil and air dose)						Air dose (μSv/h)	Remarks
No.	Water body	Point	Municipality				Soil			Radioactive material concentrations (Bq/kg (dry))				
							General items			Radioactive cesium				
							Color	Odor	Property	Radioactive iodine-131	Cs-134	Cs-137		
131	Surikamigawa Dam Reservoir		Fukushimashi City	2012/1/19	Clear	3.8	Brownish black	Faint earth	Loamy	<30	320	430	0.14	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	
132	Ken-poku (farm pond)	Handanuma Lake	Korimachi Town	2012/1/19	Sunny	3.8	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
133	Ken-poku (farm pond)	Oike Pond	Motomiyashi City	2012/1/16	Sunny	2.9	Dark brown	Faint earth	Clay-loamy	<30	3,700	4,800	1.14	
134	Miharu Dam		Miharumachi Town	2012/1/20	Snow	-0.4	Dark olive brown	Faint earth	Loamy	<30	550	720	0.30	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	
135	Kenchu (farm pond)	Hounokusa	Koriyamashi City	2012/1/17	Cloudy	0.3	Brown	Faint earth	Clay-loamy	<30	1,700	2,300	0.61	
136	Hatoriko Lake		Tencimura Village	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	
137	Kenchu (farm pond)	Hirodaira	Sukagawashi City	2012/1/19	Sunny	1.0	Brownish black	Faint earth	Loamy	<30	200	270	0.23	
138	Sengosawa Dam Reservoir		Ishikawamachi Town	2012/1/18	Sunny	0.4	Brownish black	None	Loamy	<30	690	940	0.18	
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	
139	Ken-nan (farm pond)	Watariike Pond	Yabukimachi Town	2012/1/16	Cloudy	3.4	Half yellowish brown	None	Loamy	<30	2,200	3,100	0.29	
140	Ken-nan (farm pond)	Izumikawa River	Shirakawashi City	2012/1/20	Snow	-0.2	Brownish black	Faint earth	Loamy	<30	8,800	12,000	0.99	
141	Hokkawa Dam		Nishigomura Village	2012/1/24	Sunny	-1.6	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	
142	Nanko Lake		Shirakawashi City	2012/1/19	Sunny	6.4	Brownish black	Faint earth	Loamy	<30	5,400	7,300	0.68	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

・ Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 3rd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature	Full depth (m)	Water quality										Remarks
No.	Water body	Point	Municipality					General items							Radioactive material			
								Water	Sampling	Color	Odor	Secchi	Electrical	SS	Turbidity	Radioactive	Radioactive Cs-134	
143	Necchu Dam	1m from the bottom	Kitakatani City	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
144	Soharako Lake	1m from the bottom	Kinoshitaraura Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
145	Hibarako Lake	1m from the bottom	Kinoshitaraura Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
146	Onogawako Lake	1m from the bottom	Kinoshitaraura Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
147	Akimotoko Lake	1m from the bottom	Inawashiro Town	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
148	Bishamonnuma Lake	1m from the bottom	Kinoshitaraura Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
149	Oguninuma Lake	1m from the bottom	Kinoshitaraura Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
150	Aizu (farm pond)	Onuma Lake	Nishizumamachi Town	2012/1/24	Sunny	1.2	97.0	3.2	0.5	Dark green	None	11.0	12.6	<1	0.5	<1	<1	Unable to conduct the survey due to freezing of the lake surface
151	Inawashiroko Lake	1m from the bottom	Aizuwakamatsu City	2012/1/24	Sunny	—	—	4.0	96.0	—	None	—	12.9	<1	0.9	<1	<1	—
152	Higashiyama Dam Reservoir	1m from the bottom	Aizuwakamatsu City	2012/1/25	Snow	-4.6	43.8	1.8	0.5	—	None	—	5.0	<1	1.0	<1	<1	Survey location changed to dam site due to freezing of the lake surface, and water quality and sediment surveys conducted. Unable to conduct the survey due to freezing of the lake surface
153	Numazawako Lake	1m from the bottom	Kaneyamamachi Town	2012/1/25	Sunny	-0.8	94.0	4.6	0.5	Dark green	None	11.6	5.3	<1	0.4	<1	<1	—
154	Aizu (farm pond)	Terairi	Nishizumamachi Town	—	—	—	—	4.5	93.0	—	None	—	5.5	<1	0.8	<1	<1	Unable to conduct the survey due to freezing of the lake surface
155	Okawa Dam Reservoir	1m from the bottom	Aizuwakamatsu City	2012/1/23	Cloudy	1.5	33.7	3.4	0.5	Dark green	None	5.8	8.5	<1	1.3	<1	<1	—
156	Tagokura Reservoir	—	Tadami Town	—	—	—	—	3.2	32.7	—	None	—	8.6	<1	1.7	<1	<1	Unable to conduct the survey due to freezing of the lake surface
157	Minamiaizu (farm pond)	Fukui	Tadami Town	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface
158	Tajima Dam Reservoir (Fuehanako Lake)	1m from the bottom	Nishizumamachi Town	2012/1/26	Sunny	-3.8	15.9	1.4	0.5	—	None	—	4.5	<1	0.8	<1	<1	Since much snow prevented the boat from entering the reservoir, survey location changed to dam site and the water quality and sediment surveys conducted. Unable to conduct the survey due to freezing of the lake surface
159	Okutadami Reservoir	—	Tadami Town	—	—	—	—	1.2	14.9	—	None	—	4.1	<1	0.8	<1	<1	Unable to conduct the survey due to freezing of the lake surface
160	Ozenuma Lake	—	Hocometama Village	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface

Note: Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 3rd Sediment Monitoring Results

Sampling point				Sampling date	Weather	No. samples	Full depth m	Sediment																	Remarks					
No.	Water body	Point	Municip.					General items																						
								Mechanical composition										Radioactive material												
								Gravel (mm)	Gravel (2mm)	Gravel (0.75mm)	Gravel (0.25mm)	Gravel (0.075mm)	Silt	Clay	Mud	Soil	Property	Radioactive (Cs-137)	Radioactive (Sr-90)											
143	Nicchu Dam	Site from the bottom	Nakatani City																								Unable to conduct the survey due to freezing of the lake surface			
144	Soharako Lake	Site from the bottom	Nakatani City																								Unable to conduct the survey due to freezing of the lake surface			
145	Hibarako Lake	Site from the bottom	Nakatani City																								Unable to conduct the survey due to freezing of the lake surface			
146	Onogawako Lake	Site from the bottom	Nakatani City																								Unable to conduct the survey due to freezing of the lake surface			
147	Akimotoko Lake	Site from the bottom	Nakatani City																								Unable to conduct the survey due to freezing of the lake surface			
148	Bishamonnuma Lake	Site from the bottom	Nakatani City																								Unable to conduct the survey due to freezing of the lake surface			
149	Oguninuma Lake	Site from the bottom	Nakatani City																								Unable to conduct the survey due to freezing of the lake surface			
150	Aizu (farm pond)	Onuma Lake	Nakatani City	2012/1/24	Sunny	1.2	97.0	3.7	10	Black	None						1.6	37.8	60.6	20.2	2.431	Silt	<30	<46	44		Unable to conduct the survey due to freezing of the lake surface			
151	Inawashiroko Lake	Site from the bottom	Nakatani City	2012/1/25	Snow	-4.6	43.8	4.6	10	Olive black	None						0.6	0.5	2.3	3.4	1.1	16.8	75.3	19.4	2.411	Silt	<30	540	690	Water quality and sediment survey location changed to dam site due to freezing of the lake surface
152	Higashiyama Dam Reservoir	Site from the bottom	Nakatani City	2012/1/25	Sunny	-0.8	94.0	4.2	10	Black	None						1.3	34.0	64.7	22.1	2.488	Silt	<30	<45	63					
153	Numazawako Lake	Site from the bottom	Nakatani City	2012/1/25	Sunny	-0.8	94.0	4.2	10	Black	None						1.3	34.0	64.7	22.1	2.488	Silt	<30	<45	63					
154	Aizu (farm pond)	Terai	Nakatani City	2012/1/23	Cloudy	1.5	33.7	3.6	5	Olive black	None						2.1	54.9	43.0	36.1	2.477	Silt	<30	580	740				Unable to conduct the survey due to freezing of the lake surface	
155	Okawa Dam Reservoir	Site from the bottom	Nakatani City	2012/1/23	Cloudy	1.5	33.7	3.6	5	Olive black	None						2.1	54.9	43.0	36.1	2.477	Silt	<30	580	740					
156	Tagokura Reservoir	Site from the bottom	Nakatani City	2012/1/23	Cloudy	1.5	33.7	3.6	5	Olive black	None						2.1	54.9	43.0	36.1	2.477	Silt	<30	580	740				Unable to conduct the survey due to freezing of the lake surface	
157	Minamiaizu (farm pond)	Fukun	Nakatani City	2012/1/26	Sunny	-3.8	15.9	1.2	5	Darkish black	None						2.9	2.2	3.4	5.5	5.5	38.7	41.8	27.2	2.409	Silt with sand	<30	67	110	Since much snow prevented the boat from entering the reservoir, survey location changed to dam site to conduct the water quality and sediment surveys
158	Tajima Dam Reservoir (Fuchanako Lake)	Site from the bottom	Nakatani City	2012/1/26	Sunny	-3.8	15.9	1.2	5	Darkish black	None						2.9	2.2	3.4	5.5	5.5	38.7	41.8	27.2	2.409	Silt with sand	<30	67	110	Since much snow prevented the boat from entering the reservoir, survey location changed to dam site to conduct the water quality and sediment surveys
159	Okutadami Reservoir	Site from the bottom	Nakatani City	2012/1/26	Sunny	-3.8	15.9	1.2	5	Darkish black	None						2.9	2.2	3.4	5.5	5.5	38.7	41.8	27.2	2.409	Silt with sand	<30	67	110	Since much snow prevented the boat from entering the reservoir, survey location changed to dam site to conduct the water quality and sediment surveys
160	Ozenuma Lake	Site from the bottom	Nakatani City	2012/1/26	Sunny	-3.8	15.9	1.2	5	Darkish black	None						2.9	2.2	3.4	5.5	5.5	38.7	41.8	27.2	2.409	Silt with sand	<30	67	110	Since much snow prevented the boat from entering the reservoir, survey location changed to dam site to conduct the water quality and sediment surveys

Note: Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 3rd Surrounding Environment (Lake Shore) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature (°C)	Surrounding environment (soil and air dose)						Remarks
No.	Water body	Point	Municipality				Soil			Air dose (μSv/h)			
							General items				Radioactive material concentrations		
				Color	Odor	Property	Radioactive iodine	Radioactive cesium Cs-134	Cs-137				
143	Nicchu Dam	1 m from the bottom	Kitakatashi City	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
144	Soharako Lake	1 m from the bottom	Kitashibaramura Village	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
145	Hibarako Lake	1 m from the bottom	Kitashibaramura Village	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
146	Onogawako Lake	1 m from the bottom	Kitashibaramura Village	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
147	Akimotoko Lake	1 m from the bottom	Inawashiro-machi Town	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
148	Bishamonnuma Lake	1 m from the bottom	Kitashibaramura Village	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
149	Oguninuma Lake	1 m from the bottom	Kitashibaramura Village	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
150	Aizu (farm pond) Onuma Lake	1 m from the bottom	Nishiaizumachi Town	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
151	Inawashiroko Lake	1 m from the bottom	Aizuwakamatsushi City	2012/1/24	Sunny	1.2	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
				—	—	—	—	—	—	—	—		
152	Higashiyama Dam Reservoir	1 m from the bottom	Aizuwakamatsushi City	2012/1/25	Snow	-4.6	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
				—	—	—	—	—	—	—	—		
153	Numazawako Lake	1 m from the bottom	Kaneyamamachi Town	2012/1/25	Sunny	-0.8	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
				—	—	—	—	—	—	—	—		
154	Aizu (farm pond) Terairi	1 m from the bottom	Aizumiasomachi Town	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
155	Okawa Dam Reservoir	1 m from the bottom	Aizuwakamatsushi City	2012/1/23	Cloudy	1.5	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
				—	—	—	—	—	—	—	—		
156	Tagokura Reservoir	1 m from the bottom	Tadamimachi Town	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
157	Minamiaizu (farm pond) Fukui	1 m from the bottom	Tadamimachi Town	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
158	Tajima Dam Reservoir (Funehanako Lake)	1 m from the bottom	Minamiaizumachi Town	2012/1/26	Sunny	-3.8	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
				—	—	—	—	—	—	—	—		
159	Okutadami Reservoir	1 m from the bottom	Tadamimachi Town	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		
160	Ozenuma Lake	1 m from the bottom	Hinoematsura Village	—	—	—	—	—	—	—	—	Unable to conduct the survey due to freezing of the lake surface	
				—	—	—	—	—	—	—	—		

Note: • Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

• Sampling points are listed from north to south.

Coast and Bathing Area: 3rd Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature ℃	Full depth m	Water quality										Remarks	
No.	Water body	Point	Municipality					General items							Radioactive material concentrations				
				Water temperature	Sampling depth m	Color	Odor	Secchi disk depth	Salinity	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Cs-137					
161	Sea areas	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	2012/1/13	Sunny	3.8	15.2	7.1	0.5	Dark green	None	4.9	32.9	2	1.9	<1	<1	<1	
			1 m from the bottom		—	—	—	—	7.1	14.2	—	None	—	35.1	2	2.4	<1	<1	<1
162		Matsukawaura sea area	Around center of Fishing Right Area-1	2012/1/13	Rain	3.1	1.4	6.3	0.0	Dark green	None	1.4 or	32.9	1	1.9	<1	<1	<1	
			1 m from the bottom		—	—	—	—	6.3	0.9	—	None	—	32.9	1	1.7	<1	<1	<1
163		Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	2012/1/13	Sunny	3.7	20.0	7.2	0.5	Dark green	None	4.0	33.4	3	2.4	<1	<1	<1	
			1 m from the bottom		—	—	—	—	7.2	19.0	—	None	—	33.3	5	5.2	<1	<1	<1
164		Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Nidagawa River	2012/1/13	Sunny	6.5	11.3	6.7	0.5	Yellow green	None	2.1	33.2	6	6.5	<1	<1	<1	
			1 m from the bottom		—	—	—	—	6.7	10.3	—	None	—	33.2	20	21	<1	<1	<1
165		Approx. 1,000 m offshore of Asamigawa River Estuary		2012/1/25	Clear	2.2	10.7	7.5	0.5	Dark green	None	1.7	33.2	9	9.0	<1	<1	<1	
			1 m from the bottom		—	—	—	—	7.5	9.7	—	None	—	33.3	10	8.9	<1	<1	<1
166		Approx. 1,000 m offshore of Ohisagawa River Estuary		2012/1/25	Clear	2.4	10.4	7.8	0.5	Dark green	None	1.8	33.6	5	4.6	<1	<1	<1	
			1 m from the bottom		—	—	—	—	7.8	9.4	—	None	—	33.6	7	5.3	<1	<1	<1
167		Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	2012/1/25	Clear	2.8	18.0	7.4	0.5	Dark green	None	2.0	33.5	4	4.0	<1	<1	<1	
			1 m from the bottom		—	—	—	—	7.4	17.0	—	None	—	33.5	5	4.4	<1	<1	<1
168	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	2012/1/25	Clear	3.9	16.9	10.0	0.5	Yellow green	None	3.2	33.8	3	3.2	<1	<1	<1		
			1 m from the bottom		—	—	—	—	10.0	15.9	—	None	—	34.0	3	4.1	<1	<1	<1
169	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	2012/1/25	Sunny	3.9	17.6	11.8	0.5	Yellow green	None	3.5	34.2	1	2.5	<1	<1	<1		
		1 m from the bottom		—	—	—	—	11.8	16.6	—	None	—	34.3	9	7.8	<1	<1	<1	
170	Bathing areas	Tsurushihama Fishing Port	Tsurushihama Beach	2012/1/6	Cloudy	5.0	0.5	7.4	0.0	Dark green	None	—	—	19	15	<1	<1	<1	
171		Somakowan Bay	Haragama/Obama	2012/1/7	Clear	0.4	0.5	6.0	0.0	Dark green	None	—	—	9	7.6	<1	<1	<1	
172		Kitaizumichikukaigan Seashore	Kitaizumi	2012/1/21	Snow	1.2	0.3	5.4	0.0	Dark green	None	—	—	17	11	<1	<1	<1	
173		Hattachikaigan Seashore	Hisanohama Beach/Hattachi	2012/1/5	Sunny	5.2	0.5	7.9	0.0	Grayish green	None	—	—	35	18	<1	<1	<1	
174		Yotsukurakaigan Seashore	Yotsukura	2012/1/5	Sunny	4.4	0.4	8.7	0.0	Grayish green	None	—	—	17	8.0	<1	<1	<1	
175		Natsukaigan Seashore	Shinmaiko Beach	2012/1/6	Sunny	8.2	0.3	9.9	0.0	Grayish blue green	None	—	—	14	11	<1	<1	<1	
176		Usuisokaigan Seashore	Ususo	2012/1/6	Sunny	8.4	0.4	10.3	0.0	Grayish blue green	None	—	—	5	4.3	<1	<1	<1	
177		Toyomakaigan Seashore	Toyoma	2012/1/6	Sunny	8.2	0.3	9.0	0.0	Grayish green	None	—	—	5	3.9	<1	<1	<1	
178		Nagasakikaigan Seashore	Nagasaki	2012/1/7	Clear	3.6	0.3	7.4	0.0	Grayish green	None	—	—	6	4.2	<1	<1	<1	
179		Obamakaigan Seashore	Obama	2012/1/20	Rain	3.4	0.5	8.4	0.0	Grayish green	None	—	—	25	16	<1	<1	<1	
180		Nakosokaigan Seashore	Nakoso	2012/1/20	Rain	3.0	0.5	9.8	0.0	Grayish green	None	—	—	6	6.9	<1	<1	<1	
181		Inawashiroko Lake	Nagahama Beach	Inawashirohachi Town	2012/1/22	Cloudy	2.3	0.4	2.8	0.0	Colorless transparent	None	—	—	5	3.5	<1	<1	<1
182		Inawashiroko Lake	Tenjinham Beach	Inawashirohachi Town	2012/1/23	Cloudy	0.7	0.3	0.2	0.0	Colorless transparent	None	—	—	2	2.0	<1	<1	<1
183		Inawashiroko Lake	Shidahama Beach	Inawashirohachi Town	2012/1/23	Cloudy	0.7	0.4	3.2	0.0	Yellowish green	None	—	—	11	11	<1	<1	<1
184	Inawashiroko Lake	Jokohama Beach	Inawashirohachi Town	2012/1/23	Cloudy	0.5	0.3	3.5	0.0	Colorless transparent	None	—	—	15	5.0	<1	<1	<1	
185	Inawashiroko Lake	Hamajihama Beach	Koriyamashi City	2012/1/23	Cloudy	1.3	0.3	3.0	0.0	Colorless transparent	None	—	—	22	4.8	<1	<1	<1	
186	Inawashiroko Lake	Yokozawahama Beach	Koriyamashi City	2012/1/23	Cloudy	1.4	0.3	2.8	0.0	Colorless transparent	None	—	—	7	4.0	<1	<1	<1	
187	Inawashiroko Lake	Tatehama Beach	Koriyamashi City	2012/1/22	Cloudy	4.6	0.3	4.6	0.0	Colorless transparent	None	—	—	4	3.6	<1	<1	<1	
188	Inawashiroko Lake	Funatsuhama Beach	Koriyamashi City	2012/1/22	Cloudy	4.3	0.3	4.6	0.0	Colorless transparent	None	—	—	1	1.3	<1	<1	<1	
189	Inawashiroko Lake	Funatsukoen Park	Koriyamashi City	2012/1/22	Cloudy	4.4	0.3	4.6	0.0	Colorless transparent	None	—	—	<1	0.5	<1	<1	<1	
190	Inawashiroko Lake	Seishogahama Beach	Koriyamashi City	2012/1/22	Cloudy	4.6	0.4	4.8	0.0	Colorless transparent	None	—	—	<1	0.8	<1	<1	<1	
191	Inawashiroko Lake	Akiyamahama Beach	Koriyamashi City	2012/1/22	Cloudy	4.8	0.4	5.8	0.0	Colorless transparent	None	—	—	9	2.5	<1	<1	<1	
192	Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsushiro City	2012/1/22	Cloudy	4.4	0.5	4.4	0.0	Colorless transparent	None	—	—	2	3.1	<1	<1	<1	
193	Inawashiroko Lake	Nakatahama Beach	Aizuwakamatsushiro City	2012/1/22	Cloudy	3.7	0.5	4.2	0.0	Colorless transparent	None	—	—	<1	0.5	<1	<1	<1	
194	Inawashiroko Lake	Koishigahama Beach	Aizuwakamatsushiro City	2012/1/22	Cloudy	2.2	0.5	4.2	0.0	Colorless transparent	None	—	—	1	1.0	<1	<1	<1	

Note: Sampling points are listed from north to south.

Coast and Bathing Area: 3rd Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Sediment																			Remarks
No.	Water body	Point	Municipality					Total suspended℃	Total organic carbon%	Color	Odor	General items										Radioactive material					
				Coarse gravel	Medium gravel	Fine gravel	Coarse sand					Medium sand	Fine sand	Silt	Clay	Moisture (%)	Organic content (%)	Property	Radioactive cesium Cs-134	Radioactive cesium Cs-137							
161	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port		2012/1/13	Sunny	3.8	15.2	6.8	3	Olive black	None	—	—	—	0.2	2.3	57.7	26.0	13.8	62.7	2.627	Sand with silt	<30	500	740		
Sea are as	Matsukawaura sea area	Around center of Fishing Right Area-1		2012/1/13	Rain	3.1	1.4	6.0	5	Olive black	None	—	—	—	0.2	10.0	71.9	8.4	9.5	75.9	2.679	Sand	<30	250	360		
	Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River		2012/1/13	Sunny	3.7	20.0	7.2	3	Olive black	None	—	—	—	—	6.3	77.4	7.1	9.2	78.7	2.684	Sand	<30	43	59		
	Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Nidagawa River		2012/1/13	Sunny	6.5	11.3	6.9	3	Olive black	None	—	—	0.2	0.5	8.6	70.9	10.9	8.9	81.6	2.699	Sand	<30	140	160		
	Approx. 1,000 m offshore of Asamigawa River Estuary			2012/1/25	Clear	2.2	10.7	6.6	3	Dark olive	None	—	—	—	—	1.1	81.2	8.3	9.4	79.6	2.653	Sand	<30	410	490		
	Approx. 1,000 m offshore of Ohisagawa River Estuary			2012/1/25	Clear	2.4	10.4	6.8	3	Dark olive	None	—	—	—	—	0.4	94.7	—	4.9	81.7	2.686	Sand	<30	96	150		
	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River		2012/1/25	Clear	2.8	18.0	6.2	3	Olive black	None	—	—	—	—	0.5	95.3	—	4.2	81.2	2.689	Sand	<30	140	170		
	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2		2012/1/25	Clear	3.9	16.9	9.6	10	Olive black	None	—	—	—	—	1.2	70.9	12.8	15.1	61.8	2.620	Silt with sand	<30	250	340		
	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River		2012/1/25	Sunny	3.9	17.6	10.6	5	Olive black	None	—	—	—	0.2	0.2	3.0	77.7	6.8	12.1	74.5	2.663	Sand	<30	130	210	
	170	Tsurushihama Fishing Port	Tsurushihama Beach	Shinichimachi Town	2012/1/6	Cloudy	5.0	0.5	6.8	5	Brown	None	—	—	0.7	7.2	76.2	12.6	3.3	88.5	2.761	Sand	<30	<10	<10		
	171	Somakowan Bay	Haragama/Obama	Somashi City	2012/1/7	Clear	0.4	0.5	6.2	5	Dark brown	None	—	—	0.1	2.2	52.4	41.8	3.5	84.6	2.669	Sand	<30	11	15		
172	Kitazumichikukaigan Seashore	Kitazumi	Minamimomashi City	2012/1/21	Snow	1.2	0.3	4.8	5	Yellowish brown	None	—	—	—	—	55.0	42.9	2.1	86.0	2.671	Sand	<30	18	30			
173	Hattachikaigan Seashore	Hisanohama Beach/Hattachi	Iwakishi City	2012/1/5	Sunny	5.2	0.5	7.8	5	Brownish black	None	—	—	8.9	60.9	28.7	0.1	0.1	1.3	89.3	2.640	Gravel	<30	69	100		
174	Yotsukurakaigan Seashore	Yotsukura	Iwakishi City	2012/1/5	Sunny	4.4	0.4	8.5	5	Dark grayish yellow	None	—	—	—	—	18.3	78.8	2.9	85.2	2.712	Sand	<30	52	66			
175	Natsukaigan Seashore	Shinmaiko Beach	Iwakishi City	2012/1/6	Sunny	8.2	0.3	9.7	3	Dark yellowish brown	None	—	0.4	18.9	51.5	21.6	5.6	2.0	90.6	2.643	Gravel with sand	<30	24	29			
176	Usuisokaigan Seashore	Usuiso	Iwakishi City	2012/1/6	Sunny	8.4	0.4	9.9	3	Olive black	None	—	—	—	—	1.3	97.7	1.0	86.5	3.350	Sand	<30	84	100			
177	Tovomakaigan Seashore	Tovoma	Iwakishi City	2012/1/6	Sunny	8.2	0.3	9.0	3	Dark grayish yellow	None	—	—	0.7	4.2	57.1	36.9	1.1	86.8	2.786	Sand	<30	38	53			
178	Nagasakikaigan Seashore	Nagasaki	Iwakishi City	2012/1/7	Clear	3.6	0.3	7.5	3	Dark grayish yellow	None	—	—	—	—	3.2	94.9	1.9	81.1	2.666	Sand	<30	140	180			
179	Obamakagaigan Seashore	Obama	Iwakishi City	2012/1/20	Rain	3.4	0.5	6.8	3	Dark yellowish brown	None	—	—	0.1	1.4	41.2	56.8	0.5	86.0	2.676	Sand	<30	17	36			
180	Nakosokaigan Seashore	Nakoso	Iwakishi City	2012/1/20	Rain	3.0	0.5	7.8	3	Dark grayish yellow	None	—	—	—	—	13.8	83.2	3.0	76.6	2.672	Sand	<30	130	150			
181	Inawashiroko Lake	Nagahama Beach	Inawashiro-machi Town	2012/1/22	Cloudy	2.3	0.4	3.1	3	Brownish black	None	—	1.4	43.5	46.2	1.1	7.7	0.1	86.2	2.583	Sand with gravel	<30	37	64			
182	Inawashiroko Lake	Teninohama Beach	Inawashiro-machi Town	2012/1/23	Cloudy	0.7	0.3	1.8	3	Brownish black	Faint earth	—	2.3	2.6	10.1	59.3	22.8	2.9	81.3	2.930	Sand with gravel	<30	16	23			
183	Inawashiroko Lake	Shidahama Beach	Inawashiro-machi Town	2012/1/23	Cloudy	0.7	0.4	2.8	3	Dark yellowish brown	None	—	8.4	42.0	39.3	8.0	0.1	2.2	83.1	2.658	Sand with gravel	<30	16	25			
184	Inawashiroko Lake	Jokohama Beach	Inawashiro-machi Town	2012/1/23	Cloudy	0.5	0.3	2.2	3	Greenish yellow brown	None	—	4.7	10.0	55.9	24.1	3.8	1.5	88.6	2.653	Sand with gravel	<30	56	95			
185	Inawashiroko Lake	Hamajihama Beach	Koriyamashi City	2012/1/23	Cloudy	1.3	0.3	1.9	3	Greenish yellow brown	None	—	—	—	—	1.5	98.3	0.2	76.7	2.669	Sand	<30	42	63			
186	Inawashiroko Lake	Yokozawahama Beach	Koriyamashi City	2012/1/23	Cloudy	1.4	0.3	1.8	3	Brownish black	None	—	2.1	18.8	50.3	17.5	10.8	0.5	88.7	2.638	Sand with gravel	<30	18	31			
187	Inawashiroko Lake	Tatehama Beach	Koriyamashi City	2012/1/22	Cloudy	4.6	0.3	4.8	3	Brownish black	None	—	15.4	44.0	9.9	9.3	21.3	0.1	86.1	2.646	Sand with gravel	<30	33	50			
188	Inawashiroko Lake	Funatsuhama Beach	Koriyamashi City	2012/1/22	Cloudy	4.3	0.3	4.5	3	Brownish black	None	—	24.7	35.4	9.5	22.0	7.5	0.9	86.0	2.652	Sand with gravel	<30	61	82			
189	Inawashiroko Lake	Funatsukoen Park	Koriyamashi City	2012/1/22	Cloudy	4.4	0.3	4.4	3	Brownish black	None	—	12.7	29.2	22.4	32.6	2.1	1.0	88.1	2.656	Sand with gravel	<30	85	110			
190	Inawashiroko Lake	Seishogahama Beach	Koriyamashi City	2012/1/22	Cloudy	4.6	0.4	4.8	3	Brownish black	None	—	2.5	22.9	31.3	40.9	0.6	1.8	85.4	2.641	Sand with gravel	<30	48	64			
191	Inawashiroko Lake	Akiyamahama Beach	Koriyamashi City	2012/1/22	Cloudy	4.8	0.4	4.6	3	Brownish black	None	—	4.3	11.6	11.8	15.0	50.0	7.3	74.0	2.671	Sand with gravel	<30	230	320			
192	Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsuchi City	2012/1/22	Cloudy	4.4	0.5	4.7	3	Brownish black	None	—	14.6	9.4	10.0	60.0	5.8	0.2	84.5	2.701	Sand with gravel	<30	100	120			
193	Inawashiroko Lake	Nakatahama Beach	Aizuwakamatsuchi City	2012/1/22	Cloudy	3.7	0.5	3.0	3	Brownish black	None	—	10.0	42.2	46.0	1.0	0.1	0.7	92.6	2.640	Sand with gravel	<30	56	83			
194	Inawashiroko Lake	Koishigahama Beach	Aizuwakama	2012/1/22	Cloudy	2.2	0.5	3.9	3	Dark yellowish brown	None	—	0.7	0.4	0.1	6.1	90.7	2.0	73.3	2.657	Sand with gravel	<30	91	120			

Note: Sampling points are listed from north to south.

Coast and Bathing Area: 3rd Surrounding Environment (Beach) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature(℃)	Surrounding environment (soil and air dose)						Air dose (μSv/h)	Remarks	
No.	Water body	Point	Municipality				Soil			Radioactive material					
							Color	General items	Property	Radioactive iodine	Radioactive cesium Cs-134	Cs-137			
161	Sea are as	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurushihama Fishing Port	2012/1/13	Sunny	3.8	—	—	—	—	—	—	—		
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—		
162		Matsukawaura sea area	Around center of Fishing Right Area-1	2012/1/13	Rain	3.1	—	—	—	—	—	—	—		
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—		
163		Neighboring sea area of Soso	Approx. 2,000 m offshore of Manogawa River	2012/1/13	Sunny	3.7	—	—	—	—	—	—	—		
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—		
164		Neighboring sea area of Haramachi City	Approx. 1,000 m offshore of Nidagawa River	2012/1/13	Sunny	6.5	—	—	—	—	—	—	—		
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—		
165		Approx. 1,000 m offshore of Asamigawa River Estuary		2012/1/25	Clear	2.2	—	—	—	—	—	—	—		
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—		
166		Approx. 1,000 m offshore of Ohisagawa River Estuary		2012/1/25	Clear	2.4	—	—	—	—	—	—	—		
			1 m from the bottom	—	—	—	—	—	—	—	—	—	—		
167	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	2012/1/25	Clear	2.8	—	—	—	—	—	—	—			
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—			
168	Onahama Port	Approx. 400 m north of Nishibouhatei No. 2	2012/1/25	Clear	3.9	—	—	—	—	—	—	—			
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—			
169	Joban coastal sea area	Approx. 1,000 m offshore of Bindagawa River	2012/1/25	Sunny	3.9	—	—	—	—	—	—	—			
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—			
170	Bat hin g are as	Tsurushihama Fishing Port	Tsurushihama Beach	Shinchimachi Town	2012/1/6	Cloudy	5.0	Light gray	None	Sandy	<30	13	23	0.07	
171		Somakowan Bay	Haragama/Obama	Somashi City	2012/1/7	Clear	0.4	Grayish yellow	None	Sandy	<30	37	53	0.08	
172		Kitaizumichikukaigan Seashore	Kitaizumi	Mitsumisoashi City	2012/1/21	Snow	1.2	Pale Yellow	None	Sandy	<30	19	28	0.07	
173		Hattachikaigan Seashore	Hisanohama Beach/Hattachi	Iwakishi City	2012/1/5	Sunny	5.2	Dark grayish yellow	Faint earth	Sandy	<30	530	720	0.31	
174		Yotsukurakaigan Seashore	Yotsukura	Iwakishi City	2012/1/5	Sunny	4.4	Yellowish gray	None	Sandy	<30	110	140	0.15	
175		Natsuikaigan Seashore	Shinmaiko Beach	Iwakishi City	2012/1/6	Sunny	8.2	Grayish yellow brown	None	Sandy	<30	62	73	0.13	
176		Usuisokaigan Seashore	Usuiso	Iwakishi City	2012/1/6	Sunny	8.4	Gray	None	Sandy	<30	190	250	0.30	
177		Toyomakaigan Seashore	Toyoma	Iwakishi City	2012/1/6	Sunny	8.2	Grayish olive	None	Sandy	<30	31	53	0.11	
178		Nagasakikaigan Seashore	Nagasaki	Iwakishi City	2012/1/7	Clear	3.6	Gray	None	Sandy	<30	68	110	0.12	
179		Obamakagaigan Seashore	Obama	Iwakishi City	2012/1/20	Rain	3.4	Dark grayish yellow	None	Sandy	<30	27	37	0.05	
180		Nakosokaigan Seashore	Nakoso	Iwakishi City	2012/1/20	Rain	3.0	Gray	None	Sandy	<30	120	180	0.09	
181		Inawashiroko Lake	Nagahama Beach	Inawashiro-machi Town	2012/1/22	Cloudy	2.3	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
182		Inawashiroko Lake	Tenjinhama Beach	Inawashiro-machi Town	2012/1/23	Cloudy	0.7	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
183		Inawashiroko Lake	Shidahama Beach	Inawashiro-machi Town	2012/1/23	Cloudy	0.7	Brownish black	Faint earth	Sandy	<30	180	220	0.07	
184		Inawashiroko Lake	Jokohama Beach	Inawashiro-machi Town	2012/1/23	Cloudy	0.5	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
185	Inawashiroko Lake	Hamajihama Beach	Koriyamashi City	2012/1/23	Cloudy	1.3	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
186	Inawashiroko Lake	Yokozawahama Beach	Koriyamashi City	2012/1/23	Cloudy	1.4	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
187	Inawashiroko Lake	Tatehama Beach	Koriyamashi City	2012/1/22	Cloudy	4.6	Brownish black	Faint earth	Sandy	<30	390	550	0.08		
188	Inawashiroko Lake	Funatsuhama Beach	Koriyamashi City	2012/1/22	Cloudy	4.3	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
189	Inawashiroko Lake	Funatsukoen Park	Koriyamashi City	2012/1/22	Cloudy	4.4	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
190	Inawashiroko Lake	Seishogahama Beach	Koriyamashi City	2012/1/22	Cloudy	4.6	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
191	Inawashiroko Lake	Akiyamahama Beach	Koriyamashi City	2012/1/22	Cloudy	4.8	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
192	Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsu-shi City	2012/1/22	Cloudy	4.4	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
193	Inawashiroko Lake	Nakatahama Beach	Aizuwakamatsu-shi City	2012/1/22	Cloudy	3.7	Grayish yellow brown	Faint earth	Sandy	<30	100	140	0.06		
194	Inawashiroko Lake	Koishigahama Beach	Aizuwakamatsu-shi City	2012/1/22	Cloudy	2.2	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

・ Sampling points are listed from north to south.

River (Hamadori Area): 4th Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Water quality										Remarks	
No.	Water body	Point	Municipality					General items							Radioactive material				
								Water temperature℃	Sampling depth	Color	Odor	Transparen- cy	Electrical conductivity μS/cm	SS mg/L	Turbidity	Radioac- tive Cs-134	Radioactive cesium Cs-137		
1	Jizogawa River	Hamahatabashi Bridge	Shinichi Town	2012/3/1	Sunny	5.1	0.50	5.8	0.0	Yellow	None	100 or over	3150.0	4	4.7	<1	<1	<1	
2	Koizumigawa River	Koizumibashi Bridge	Somashi City	2012/3/1	Cloudy	9.6	0.30	10.4	0.0	Faint color green	Faint sewage	60	27.0	10	10	<1	<1	<1	
3	Koizumigawa River	Iwakkenbashi Bridge	Somashi City	2012/3/1	Sunny	5.9	0.80	5.1	0.0	Yellow-green	None	85	2870.0	4	5.4	<1	<1	<1	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2012/3/4	Sunny	2.8	0.60	3.0	0.0	Colorless	None	100 or over	12.9	1	2.3	<1	<1	<1	
5	Udagawa River	Iwakkenbashi Bridge	Somashi City	2012/2/29	Snow	1.4	0.40	3.5	0.0	Colorless	None	32	990.0	32	14	<1	<1	<1	
6	Manogawa River	Ochibashi Bridge	Minamisomashi City	2012/3/3	Cloudy	4.7	2.10	5.3	0.0	Yellow	None	56	20.8	9	10	<1	<1	<1	
7	Manogawa River	Majumabashi Bridge	Minamisomashi City	2012/3/3	Cloudy	3.8	2.30	5.4	0.0	Yellow	None	100 or over	1687.0	6	7.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
8	Nidagawa River	Kusano	Itatemura Village	2012/3/2	Cloudy	1.8	0.40	2.6	0.0	Colorless	None	100 or over	11.0	2	2.1	<1	<1	<1	Deliberate evacuation areas
9	Nidagawa River	Komiva	Itatemura Village	2012/3/2	Cloudy	4.9	0.30	2.9	0.0	Colorless	None	100 or over	11.0	1	1.8	<1	<1	<1	Deliberate evacuation areas
10	Nidagawa River	Kidouchibashi Bridge	Minamisomashi City	2012/3/1	Sunny	8.8	0.60	6.8	0.0	Colorless	None	100 or over	7.8	<1	0.5	<1	<1	<1	Former evacuation-prepared areas in case of emergency
11	Nidagawa River	Sakekawabashi Bridge	Minamisomashi City	2012/3/3	Cloudy	4.0	1.20	3.6	0.0	Yellow	None	100 or over	18.2	2	3.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
12	Otagawa River	Ishiwatabashi Bridge	Minamisomashi City	2012/3/3	Cloudy	3.5	0.50	4.2	0.0	Colorless	None	100 or over	7.1	<1	1.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
13	Otagawa River	Kamouchihashi Bridge	Minamisomashi City	2012/3/1	Sunny	9.1	0.40	7.3	0.0	Colorless	None	100 or over	7.2	<1	0.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
14	Otagawa River	Masudabashi Bridge	Minamisomashi City	2012/3/2	Cloudy	5.0	0.50	7.3	0.0	Colorless	None	100 or over	8.5	1	0.4	<1	<1	<1	Former evacuation-prepared areas in case of emergency
15	Otagawa River	JR Tetsudobashi Bridge	Minamisomashi City	2012/3/2	Cloudy	3.6	0.20	6.2	0.0	Colorless	None	100 or over	100.0	2	2.1	<1	<1	<1	Former evacuation-prepared areas in case of emergency
16	Otagawa River	Marumabashi Bridge	Minamisomashi City	2012/3/4	Sunny	3.1	0.20	5.8	0.0	Clear	None	31	1737.0	30	22	<1	<1	<1	Restricted areas
17	Odakagawa River	Zenchobashi Bridge	Minamisomashi City	2012/3/4	Clear	1.6	0.45	2.9	0.0	Clear	None	80	13.8	3	5.6	<1	<1	<1	Restricted areas
18	Odakagawa River	Hatsukarabashi Bridge	Minamisomashi City	2012/3/4	Sunny	2.0	2.10	3.8	0.0	Clear	None	28	2420.0	19	20	<1	<1	<1	Restricted areas
19	Ukedogawa River	Muroharabashi Bridge	Namiemachi Town	2012/3/4	Clear	3.6	0.30	3.1	0.0	Colorless	None	100 or over	6.8	<1	0.6	<1	<1	<1	Restricted areas
20	Ukedogawa River	Ukedobashi Bridge	Namiemachi Town	2012/3/4	Clear	4.9	0.40	4.8	0.0	Dark	None	100 or over	19.6	3	3.4	<1	<1	<1	Restricted areas
21	Takasegawa River	Keibashi Bridge	Namiemachi Town	2012/3/4	Clear	6.6	0.40	5.4	0.0	Colorless	None	100 or over	7.4	1	1.3	<1	<1	<1	Restricted areas
22	Maedagawa River	National Route 6, west	Itabamachi Town	2012/3/4	Clear	4.0	0.30	3.1	0.0	Dark	None	100 or over	14.2	3	3.9	<1	<1	<1	Restricted areas
23	Maedagawa River	Nakahamabashi Bridge	Namiemachi Town	2012/3/4	Clear	4.0	1.20	4.0	0.0	Greenish	None	55	61.3	5	7.6	<1	<1	<1	Restricted areas
24	Kumagawa River	National Route 6, west	Okunouchi Town	2012/3/4	Clear	6.6	0.45	5.0	0.0	Colorless	None	100 or over	9.4	<1	0.5	<1	<1	<1	Restricted areas
25	Kumagawa River	Mikumabashi Bridge	Okunouchi Town	2012/3/4	Clear	6.9	0.40	4.7	0.0	Colorless	None	100 or over	13.0	1	1.7	<1	<1	<1	Restricted areas
26	Tomiokagawa River	National Route 6, west	Tomiokamachi Town	2012/3/4	Clear	4.2	0.30	5.4	0.0	Colorless	None	100 or over	12.2	1	1.6	<1	<1	<1	Restricted areas
27	Tomiokagawa River	Kobamabashi Bridge	Tomiokamachi Town	2012/3/4	Clear	6.8	0.40	4.9	0.0	Colorless	None	100 or over	14.7	1	2.0	<1	<1	<1	Restricted areas. Survey location changed to upper stream due to increased water level and water quality and sediment survey conducted
28	Idegawa River	Motogamabashi Bridge	Narabamachi Town	2012/3/4	Clear	1.8	0.30	3.4	0.0	Colorless	None	100 or over	10.4	<1	0.2	<1	<1	<1	Restricted areas
29	Kidogawa River	Nishiyamabashi Bridge	Kosochimaru Village	2012/3/4	Cloudy	5.9	0.40	3.4	0.0	Colorless	None	100 or over	6.1	<1	0.7	<1	<1	<1	Former evacuation-prepared areas in case of emergency
30	Kidogawa River	Nagatorobashi Bridge	Narabamachi Town	2012/3/4	Clear	5.8	0.30	4.0	0.0	Colorless	None	100 or over	5.6	2	4.6	<1	<1	<1	Restricted areas
31	Kidogawa River	Kidokawabashi Bridge	Narabamachi Town	2012/3/4	Clear	4.2	0.30	3.6	0.0	Colorless	None	100 or over	6.8	1	3.2	<1	<1	<1	Restricted areas
32	Asamigawa River	Bodabashi Bridge	Hironomachi Town	2012/2/26	Cloudy	3.6	0.40	4.9	0.0	Colorless	None	100 or over	14.3	8	3.7	<1	<1	<1	Restricted areas
33	Ohisagawa River	Kageobashi Bridge	Iwakishi City	2012/2/26	Cloudy	2.9	0.30	4.1	0.0	Colorless	None	37	188.0	38	15	<1	<1	<1	
34	Kohisagawa River	Rengobashi Bridge	Iwakishi City	2012/2/26	Cloudy	2.4	0.30	3.3	0.0	Colorless	None	100 or over	4.1	4	4.4	<1	<1	<1	
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2012/2/25	Rain	2.0	0.20	5.5	0.0	Colorless	None	100 or over	23.6	10	7.8	<1	<1	<1	
36	Nidagawa River	Matsubashi Bridge	Iwakishi City	2012/2/25	Cloudy	2.1	0.50	5.0	0.0	Colorless	None	27	52.5	58	31	<1	<1	<1	
37	Natsugawa River	Kitanouchibashi Bridge	Onomachi Town	2012/2/27	Sunny	-0.2	0.40	3.4	0.0	Colorless	None	100 or over	15.0	7	4.7	<1	<1	<1	
38	Natsugawa River	Kiyudayubashi Bridge	Iwakishi City	2012/2/27	Sunny	3.2	0.40	5.5	0.0	Colorless	None	100 or over	12.7	1	1.5	<1	<1	<1	
39	Natsugawa River	Rokumabashi Bridge	Iwakishi City	2012/2/27	Sunny	1.9	0.30	2.4	0.0	Colorless	None	100 or over	99.2	2	2.1	<1	<1	<1	
40	Yoshimigawa River	Iwaanatsuribashi Bridge	Iwakishi City	2012/2/27	Sunny	4.2	0.30	4.6	0.0	Colorless	None	100 or over	11.6	<1	0.3	<1	<1	<1	
41	Yoshimigawa River	Before the confluence with Natsugawa River	Iwakishi City	2012/2/27	Sunny	5.2	0.30	7.5	0.0	Colorless	None	100 or over	24.2	4	4.4	<1	<1	<1	
42	Fujiwaragawa River	Shimabashi Bridge	Iwakishi City	2012/2/28	Clear	4.2	0.80	6.0	0.0	Yellow	None	100 or over	652.0	6	5.0	<1	<1	<1	
43	Fujiwaragawa River	Minatoohashi Bridge	Iwakishi City	2012/2/26	Cloudy	5.8	2.80	8.5	0.0	Gravish	None	32	1956.0	11	11	<1	<1	<1	
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2012/2/27	Sunny	4.8	0.30	5.1	0.0	Green	None	100 or over	30.1	1	1.9	<1	<1	<1	
45	Samegawa River	Samegawabashi Bridge	Iwakishi City	2012/2/27	Sunny	6.4	0.50	9.3	0.0	Yellow	None	46	1173.0	15	13	<1	<1	<1	
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2012/2/27	Sunny	3.9	0.90	4.2	0.0	Colorless	None	100 or over	8.2	<1	0.5	<1	<1	<1	
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/2/26	Cloudy	7.1	0.40	7.3	0.0	Yellow	None	57	64.9	4	4.3	<1	<1	<1	
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2012/2/27	Sunny	4.8	0.60	9.2	0.0	Yellow	None	79	253.0	4	3.5	<1	<1	<1	

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

River (Hamadori Area): 4th Sediment Monitoring Results

Sampling point				Sampling date	Weather	No. measured	Full depth m	Sediment																	Remarks	
No.	Water body	Point	Municipality					General items																		
								Not measured	Not sampling depth	Color	Odor	Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medi	Fine	Silt	Clay	Not sampled	Property	Radioactive material (radioactive index (1))	Radioactive Cs-134	Cs-137		
1	Izozawa River	Hamahatabashi Bridge	Shimonouchi Town	2012/2/21	Sunny	5.1	0.50	6.6	S Dark grayish yellow	None	—	—	—	0.1	36.0	63.7	—	0.2	80.3	2.688	Sand	<30	<10	18		
2	Kozumigawa River	Kozumibashi Bridge	Somashi City	2012/2/21	Cloudy	9.6	0.30	12.6	S Brownish black	Faint	—	—	0.7	1.4	6.4	72.8	17.0	—	73.4	2.726	Sand with gravel	<30	400	440		
3	Kozumigawa River	Iyakkenbashi Bridge	Somashi City	2012/2/21	Sunny	5.9	0.80	4.1	S Olive black	Faint earth	—	—	1.0	1.5	1.3	3.8	30.0	41.5	20.9	58.8	2.623	Silt with sand	<30	700	1,000	
4	Udagawa River	Horisakabashi Bridge	Somashi City	2012/2/24	Sunny	2.8	0.60	1.9	S Brownish black	None	—	—	12.8	7.5	18.3	53.0	6.6	—	1.8	76.1	2.757	Sand with gravel	<30	690	970	
5	Udagawa River	Iyakkenbashi Bridge	Somashi City	2012/2/29	Snow	1.4	0.40	4.7	S Dark grayish yellow	None	—	—	4.2	19.1	34.8	41.1	0.5	—	0.3	80.9	2.641	Sand with gravel	<30	64	91	
6	Manogawa River	Ochibaibashi Bridge	Minamimomomi City	2012/2/23	Cloudy	4.7	2.10	6.0	S Olive black	None	—	—	29.1	23.4	23.2	23.6	0.4	—	0.3	84.7	2.698	Gravel with sand	<30	81	99	
7	Manogawa River	Mainmabashi Bridge	Minamimomomi City	2012/2/23	Cloudy	5.8	2.30	6.1	S Olive black	None	—	—	—	—	—	1.6	61.4	24.7	12.3	65.2	2.698	Silt with sand	<30	1,400	2,000	
8	Nidagawa River	Kusano	Hitatenura Village	2012/2/22	Cloudy	1.8	0.20	2.6	S Dark brown	None	—	—	6.5	13.9	28.7	43.4	5.5	—	2.5	77.5	2.613	Sand with silt	<30	1,500	2,700	
9	Nidagawa River	Komiva	Hitatenura Village	2012/2/22	Cloudy	4.9	0.30	2.9	S Dark brown	None	—	—	0.2	3.6	40.1	52.7	2.5	—	0.9	76.3	2.644	Sand	<30	2,000	2,700	
10	Nidagawa River	Kidouchibashi Bridge	Minamimomomi City	2012/2/21	Sunny	8.8	0.60	5.6	S Dark olive brown	None	—	—	0.9	2.2	28.0	62.1	6.0	—	0.8	78.9	2.662	Sand	<30	1,700	2,500	
11	Nidagawa River	Sakekawabashi Bridge	Minamimomomi City	2012/2/23	Cloudy	4.0	1.20	5.0	S Olive brown	None	—	—	—	0.5	10.4	86.9	0.6	—	1.6	78.9	2.628	Sand with silt	<30	500	730	
12	Otagawa River	Ishiwatadobashi Bridge	Minamimomomi City	2012/2/23	Cloudy	5	0.50	4.2	S Dark olive brown	None	—	—	8.7	30.4	45.7	9.0	0.1	3.4	2.7	84.9	2.649	Sand with gravel	<30	8,100	11,000	
13	Otagawa River	Kaminouchibashi Bridge	Minamimomomi City	2012/2/21	Sunny	9.1	0.40	7.1	S Olive brown	None	—	—	4.2	16.4	49.5	44.8	3.1	—	2.0	80.8	2.612	Sand with gravel	<30	7,400	10,000	
14	Otagawa River	Masudabashi Bridge	Minamimomomi City	2012/2/22	Cloudy	5.0	0.50	7.3	S Grayish olive	None	—	—	1.3	0.9	14.2	70.1	11.3	—	2.2	75.0	2.628	Sand	<30	4,100	5,600	
15	Otagawa River	JR Tetsudobashi Bridge	Minamimomomi City	2012/2/22	Cloudy	3.6	0.20	5.9	S Olive brown	None	—	—	5.0	12.5	37.5	37.3	5.7	—	2.0	80.7	2.624	Sand	<30	1,000	1,400	
16	Otagawa River	Maruyamabashi Bridge	Minamimomomi City	2012/2/24	Sunny	3.1	0.20	7.5	S Brownish black	None	—	—	6.9	1.9	5.5	61.3	24.0	—	0.4	85.1	2.859	Sand with gravel	<30	28	44	
17	Otagawa River	Zenchobashi Bridge	Minamimomomi City	2012/2/24	Clear	1.6	0.45	5.2	S Dark olive brown	None	—	—	15.5	49.7	27.8	4.2	0.7	—	2.1	79.8	2.636	Sand with silt	<30	500	730	
18	Otagawa River	Hatsukarabashi Bridge	Minamimomomi City	2012/2/24	Sunny	2.0	2.10	4.4	S Dark grayish yellow	None	—	—	1.2	3.6	8.1	66.5	20.3	—	0.5	86.3	2.697	Sand	<30	20	24	
19	Ukedogawa River	Muroharabashi Bridge	Namemachi Town	2012/2/23	Clear	3.6	0.30	3.1	S Brownish black	None	—	—	17.9	21.4	29.9	21.5	14.4	4.7	2.7	79.1	2.615	Sand with gravel	<30	38,000	54,000	
20	Ukedogawa River	Ukedobashi Bridge	Namemachi Town	2012/2/24	Clear	4.9	0.40	5.2	S Dark brown	None	—	—	9.9	6.0	4.8	27.3	49.1	—	2.9	78.7	2.650	Graveland with silt	<30	17,000	24,000	
21	Iakasegawa River	Keibashi Bridge	Namemachi Town	2012/2/24	Clear	6.6	0.40	5.4	S Brownish black	None	—	—	34.3	34.5	21.5	6.8	1.5	—	1.4	88.5	2.617	Sand with gravel	<30	1,000	1,400	
22	Maedagawa River	National Route 6, west	Hitabamachi Town	2012/2/24	Clear	4.0	0.30	3.6	S Dark brown	None	—	—	21.9	21.6	28.8	24.1	3.2	—	0.4	84.8	2.670	Sand with gravel	<30	7,600	10,000	
23	Maedagawa River	Nakamabashi Bridge	Namemachi Town	2012/2/24	Clear	4.0	0.20	4.9	S Dark brown	None	—	—	24.0	41.3	26.8	4.0	2.5	—	1.4	84.1	2.649	Graveland with silt	<30	2,700	4,300	
24	Kumagawa River	National Route 6, west	Okumamachi Town	2012/2/24	Clear	6.6	0.45	8.1	S Olive brown	None	—	—	12.4	44.8	28.2	9.9	4.6	—	2.1	85.2	2.665	Sand with gravel	<30	2,700	3,900	
25	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2012/2/24	Clear	6.9	0.40	4.8	S Olive brown	None	—	—	—	6.8	44.0	41.9	4.8	—	2.5	80.5	2.639	Sand	<30	4,200	6,000	
26	Tomokagawa River	National Route 6, west	Hitokamachi Town	2012/2/24	Clear	4.2	0.30	5.5	S Dark olive brown	None	—	—	30.6	28.6	27.2	10.7	1.5	—	1.4	80.0	2.660	Sand with gravel	<30	1,000	1,400	
27	Tomokagawa River	Kobamabashi Bridge	Hitokamachi Town	2012/2/24	Clear	6.8	0.40	5.2	S Olive brown	None	—	—	—	0.1	2.7	66.7	22.8	5.2	2.5	78.2	2.682	Sand	<30	3,900	5,500	
28	Idegawa River	Motogamabashi Bridge	Narabamachi Town	2012/2/24	Clear	1.8	0.30	5.8	S Brown	None	—	—	35.0	28.9	17.4	7.5	7.2	—	4.0	84.2	2.676	Gravel with sand	<30	410	580	
29	Kidogawa River	Nishiyamabashi Bridge	Okumamachi Town	2012/2/24	Cloudy	5.9	0.40	3.4	S Olive brown	None	—	—	16.5	29.9	29.3	21.5	2.3	—	0.5	81.1	2.634	Sand with gravel	<30	47	52	
30	Kidogawa River	Nagatorobashi Bridge	Narabamachi Town	2012/2/24	Clear	5.8	0.30	4.0	S Olive brown	None	—	—	1.2	3.9	23.3	67.4	9.9	—	0.5	79.3	2.646	Sand	<30	260	410	
31	Kidogawa River	Kidokawabashi Bridge	Narabamachi Town	2012/2/24	Clear	4.2	0.30	4.6	S Olive brown	None	—	—	—	0.3	9.8	75.7	12.2	—	2.0	73.9	2.642	Sand	<30	290	390	
32	Asamigawa River	Hodabashi Bridge	Hitonemachi Town	2012/2/26	Cloudy	3.6	0.40	5.2	S Dark olive brown	None	—	—	10.9	23.8	31.6	30.6	2.4	—	0.7	80.2	2.618	Sand with gravel	<30	600	770	
33	Ohisagawa River	Kageisobashi Bridge	Iwakishi City	2012/2/26	Cloudy	2.9	0.30	4.9	S Brownish black	None	—	—	21.4	41.9	26.1	10.1	0.3	—	0.2	83.6	2.640	Gravel with sand	<30	190	260	
34	Kohisagawa River	Renegobashi Bridge	Iwakishi City	2012/2/26	Cloudy	2.4	0.30	3.8	S Dark brown	None	—	—	40.1	35.6	17.1	4.6	0.9	—	1.7	82.5	2.598	Gravel with sand	<30	110	130	
35	Nidagawa River	Kasumidabashi Bridge	Iwakishi City	2012/2/25	Rain	2.0	0.20	5.1	S Brownish black	None	—	—	25.1	30.7	24.0	17.3	1.6	—	1.5	84.7	2.739	Graveland with silt	<30	50	73	
36	Nidagawa River	Matsubabashi Bridge	Iwakishi City	2012/2/25	Cloudy	2.1	0.50	4.8	S Brownish black	None	—	—	0.8	5.1	15.2	51.6	22.4	—	4.9	80.2	2.664	Sand with gravel	<30	390	520	
37	Natsugawa River	Kitanouchibashi Bridge	Okumachi Town	2012/2/27	Sunny	0.2	0.40	3.3	S Olive black	None	—	—	1.4	14.6	49.7	27.8	6.3	—	0.2	77.1	2.684	Sand with gravel	<30	29	32	
38	Natsugawa River	Kvidayubashi Bridge	Iwakishi City	2012/2/27	Sunny	3.2	0.40	6.8	S Olive black	None	—	—	0.7	5.0	19.0	34.2	23.2	11.9	6.0	66.1	2.658	Graveland with silt	<30	170	230	
39	Natsugawa River	Rokuumabashi Bridge	Iwakishi City	2012/2/27	Sunny	1.9	0.30	6.2	S Dark brown	None	—	—	0.5	2.8	43.8	52.0	0.7	—	0.4	77.9	2.650	Sand	<30	38	58	
40	Yoshimigawa River	Iwaanatsuribashi Bridge	Iwakishi City	2012/2/27	Sunny	4.2	0.30	5.4	S Grayish olive	None	—	—	1.5	12.4	23.5	52.6	9.1	—	0.9	74.6	2.669	Sand with gravel	<30	170	260	
41	Yoshimigawa River	Below the confluence with Natsugawa River	Iwakishi City	2012/2/27	Sunny	5.4	0.30	6.9	S Grayish olive	None	—	—	2.8	7.4	17.2	48.5	20.3	—	3.8	76.0	2.678	Sand with gravel	<30	97	130	
42	Fuiwaragawa River	Shimabashi Bridge	Iwakishi City	2012/2/28	Clear	4.2	0.80	8.9	S Dark olive gray	None	—	—	—	0.7	6.4	31.5	30.0	21.0	10.4	56.9	2.576	Sand with silt	<30	250	360	
43	Fuiwaragawa River	Minatoohashi Bridge	Iwakishi City	2012/2/26	Cloudy	5.8	2.80	10.2	S Dark olive	None	—	—	0.2	1.6	10.6	62.8	13.8	7.4	3.6	74.5	2.673	Sand with silt	<30	210	240	
44	Samegawa River	Idosawabashi Bridge	Iwakishi City	2012/2/27	Sunny	4.8	0.30	5.1	S Brownish black	None	10.4	85.7	3.9	0.0	0.0	0.0	—	—	0.0	96.7	2.870	Gravel	<30	14	22	
45	Samegawa River	Sameawabashi Bridge	Iwakishi City	2012/2/27	Sunny	6.4	0.50	8.6	S Brownish black	None	—	—	0.2	4.2	30.4	49.7	3.6	—	1.9	73.8	2.688	Sand	<30	65	92	
46	Shitokigawa River	Komurobashi Bridge	Iwakishi City	2012/2/27	Sunny	5.9	0.90	4.2	S Brownish black	None	—	—	—	0.6	46.9	47.3	3.9	—	1.8	68.1	2.768	Sand	<30	130	170	
47	Bindagawa River	Kobanabashi Bridge	Iwakishi City	2012/2/26	Cloudy	7.1	0.40	7.3	S Brownish black	None	—	—	11.2	5.5	4.3	48.1	19.6	7.7	3.6	72.8	2.638	Sand with silt	<30	86	140	
48	Bindagawa River	Bindabashi Bridge	Iwakishi City	2012/2/27	Sunny	4.8	0.60	8.7	S Brownis	None	—	—	0.1	0.4	1.2	43.7	12.6	28.0	13.0	63.4	2.581	Silt with sand	<30	110	150	

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

River (Hamadori Area): 4th Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature,℃	Surrounding environment (soil and air dose)							Remarks								
No.	Water body	Point	Municipality				Left bank															
							Soil			Air dose		Right bank										
							Color	Odor	Property	Radioactive material	Radioactive material	Color	Odor		Property	Radioactive material	Radioactive material					
1	Kozumigawa River	Kozumigashi Bridge	Somashi City	2012/3/1	Sunny	8.6	Dark brown	Faint earth	Sandy	<30	1,000	1,400	0.38	Dark olive	Faint earth	Loamy	<30	900	1,200	0.28	Since previous survey locations of surrounding environment (left/right banks) had trace of open burning, soil sample and air dose surveyed at downstream side of the river.	
2	Kozumigawa River	Iyakkenbashi Bridge	Somashi City	2012/3/1	Sunny	5.9	Dark brown	Faint earth	Loamy	<30	1,600	2,200	0.45	Brownish black	Faint earth	Loamy	<30	750	990	0.34		
3	Udagawa River	Horisakabashi Bridge	Somashi City	2012/3/4	Sunny	2.8	Dark brown	Faint earth	Loamy	<30	1,200	1,700	0.35	Brownish black	Faint earth	Loamy	<30	380	500	0.32		
4	Udagawa River	Iyakkenbashi Bridge	Somashi City	2012/2/29	Snow	1.4	Black	Faint earth	Loamy	<30	1,900	2,700	0.39	Brownish black	Faint earth	Loamy	<30	470	630	0.33		
5	Manogawa River	Ochiaibashi Bridge	Minamimatsu City	2012/3/3	Cloudy	4.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
6	Manogawa River	Maumabashi Bridge	Minamimatsu City	2012/3/3	Cloudy	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Former evacuation-prepared areas in case of emergency; Unable to collect soil and measure air dose due to much snow on the lake shore
7	Nudagawa River	Kusano	Iitateura Village	2012/3/2	Cloudy	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Deliberate evacuation areas; Unable to collect soil and measure air dose due to much snow on the lake shore
8	Nudagawa River	Komiva	Iitateura Village	2012/3/2	Cloudy	4.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—		Deliberate evacuation areas; Unable to collect soil and measure air dose due to much snow on the lake shore
9	Nudagawa River	Kidouchibashi Bridge	Minamimatsu City	2012/3/1	Sunny	8.8	Brownish black	—	None	Loamy	<30	4,600	6,300	1.08	Dark olive brown	None	Loamy	<30	11,000	15,000	1.31	Former evacuation-prepared areas in case of emergency
10	Nudagawa River	Sakakawabashi Bridge	Minamimatsu City	2012/3/3	Cloudy	4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Former evacuation-prepared areas in case of emergency; Unable to collect soil and measure air dose due to much snow on the lake shore
11	Otagawa River	Ishiwatadobashi Bridge	Minamimatsu City	2012/3/3	Cloudy	3.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Former evacuation-prepared areas in case of emergency; Unable to collect soil and measure air dose due to much snow on the lake shore
12	Otagawa River	Raminouchibashi Bridge	Minamimatsu City	2012/3/1	Sunny	9.1	Dark brown	—	None	Loamy	<30	3,100	4,300	0.95	Olive brown	None	Loamy	<30	980	1,300	1.06	Former evacuation-prepared areas in case of emergency
13	Otagawa River	Masudabashi Bridge	Minamimatsu City	2012/3/2	Cloudy	5.0	Dark olive	—	None	Loamy	<30	1,100	1,600	0.34	Brownish black	None	Loamy	<30	900	1,300	0.43	Former evacuation-prepared areas in case of emergency
14	Otagawa River	IR Tetsudobashi Bridge	Minamimatsu City	2012/3/2	Cloudy	3.6	Dark olive	—	None	Loamy	<30	1,100	1,500	0.38	Dark olive brown	None	Loamy	<30	920	1,300	0.43	Former evacuation-prepared areas in case of emergency
15	Otagawa River	Maruyamabashi Bridge	Minamimatsu City	2012/3/4	Sunny	3.1	Olive brown	—	None	Loamy	<30	530	840	0.20	—	—	—	—	—	—	—	Restricted areas
16	Okakagawa River	Zenchobashi Bridge	Minamimatsu City	2012/3/4	Clear	1.6	Olive black	—	None	Loamy	<30	55	85	0.11	Olive black	None	Loamy	<30	950	1,300	0.51	Restricted areas
17	Okakagawa River	Hatsukarabashi Bridge	Minamimatsu City	2012/3/4	Sunny	2.0	Olive brown	—	None	Sandy	<30	55	85	0.11	—	—	—	—	—	—	—	Restricted areas
18	Ukedogawa River	Muroharabashi Bridge	Namimatsu Town	2012/3/4	Clear	3.6	Brownish black	—	None	Loamy	<30	22,000	33,000	9.34	—	—	—	—	—	—	—	Restricted areas
19	Ukedogawa River	Ukedobashi Bridge	Namimatsu Town	2012/3/4	Clear	4.9	Dark brown	—	None	Sandy	<30	1,400	1,900	1.16	—	—	—	—	—	—	—	Restricted areas
20	Ukedogawa River	Kejobashi Bridge	Namimatsu Town	2012/3/4	Clear	6.6	Dark olive	—	None	Loamy	<30	790	1,000	1.12	—	—	—	—	—	—	—	Restricted areas
21	Maedagawa River	National Route 6, west	Yatabematsu Town	2012/3/4	Clear	4.0	Dark brown	—	None	Loamy	<30	5,700	8,600	4.95	—	—	—	—	—	—	—	Restricted areas
22	Maedagawa River	Nakahamabashi Bridge	Namimatsu Town	2012/3/4	Clear	4.0	Dark brown	—	None	Loamy	<30	5,700	8,600	4.95	Dark brown	None	Loamy	<30	880	1,200	0.71	Restricted areas
23	Kumagawa River	National Route 6, west	Okumamachi Town	2012/3/4	Clear	6.6	—	—	—	—	—	—	—	—	Dark olive brown	Faint earth	Clay-	<30	9,200	12,000	4.4	Restricted areas
24	Kumagawa River	Mikumabashi Bridge	Okumamachi Town	2012/3/4	Clear	6.9	—	—	—	—	—	—	—	—	Dark olive brown	Faint earth	Loamy	<30	10,000	14,000	8.22	Restricted areas
25	Tomokagawa River	National Route 6, west	Tomokamachi Town	2012/3/4	Clear	4.2	Dark olive brown	Faint earth	Loamy	<30	29,000	40,000	6.31	—	—	—	—	—	—	—	—	Restricted areas
26	Tomokagawa River	Kobamabashi Bridge	Tomokamachi Town	2012/3/4	Clear	6.8	Dark olive brown	Faint earth	Loamy	<30	9,400	13,000	2.72	—	—	—	—	—	—	—	—	Restricted areas
27	Idegawa River	Motogamabashi Bridge	Sarabamachi Town	2012/3/4	Clear	1.8	—	—	—	—	—	—	—	—	Olive brown	None	Loamy	<30	5,700	7,800	0.76	Restricted areas
28	Idegawa River	Nishiyamabashi Bridge	Sarabamachi Town	2012/3/4	Cloudy	5.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Former evacuation-prepared areas in case of emergency; Unable to collect soil and measure air dose due to much snow on the lake shore
29	Kidogawa River	Nagatorobashi Bridge	Sarabamachi Town	2012/3/4	Clear	5.8	Dark brown	Faint earth	Loamy	<30	3,100	4,300	0.78	—	—	—	—	—	—	—	—	Restricted areas
30	Kidogawa River	Kidokawabashi Bridge	Sarabamachi Town	2012/3/4	Clear	4.2	—	—	—	—	—	—	—	—	Off yellowish gray	Faint earth	Loamy	<30	1,700	2,300	0.83	Restricted areas
31	Asamigawa River	Hodabashi Bridge	Hiromatsu Town	2012/2/26	Cloudy	3.6	Olive brown	—	None	Sandy	<30	1,000	1,300	0.34	Brownish black	None	Loamy	<30	880	1,100	0.47	Since previous survey location area formed a sandbank, soil sampling and air dose measurement was conducted at other location.
32	Onisagawa River	Kagetsobashi Bridge	Iwakishi City	2012/2/26	Cloudy	2.9	Brownish black	—	None	Loamy	<30	1,500	2,100	0.44	Brownish black	None	Loamy	<30	560	780	0.42	
33	Kohsagawa River	Kenagobashi Bridge	Iwakishi City	2012/2/26	Cloudy	2.4	Brownish black	—	None	Loamy	<30	1,500	2,100	0.44	Brownish black	None	Loamy	<30	560	780	0.42	
34	Nudagawa River	Kasumidabashi Bridge	Iwakishi City	2012/2/25	Rain	2.0	Brownish black	—	None	Clay-loamy	<30	470	660	0.28	Brownish black	None	Loamy	<30	670	830	0.29	
35	Nudagawa River	Matsubabashi Bridge	Iwakishi City	2012/2/25	Cloudy	2.1	Dark brown	—	None	Loamy	<30	320	460	0.30	Dark brown	None	Sandy	<30	540	780	0.37	
36	Natsugawa River	Kitanouchibashi Bridge	Omamachi Town	2012/2/27	Sunny	-0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
37	Natsugawa River	Kvidavubashi Bridge	Iwakishi City	2012/2/27	Sunny	3.2	Grayish olive	Faint earth	Sandy	<30	170	170	0.12	Grayish olive	Faint earth	Loamy	<30	140	180	0.12		
38	Natsugawa River	Kokumabashi Bridge	Iwakishi City	2012/2/27	Sunny	1.9	Brownish black	—	None	Loamy	<30	780	1,000	0.37	Dark olive brown	None	Loamy	<30	960	1,400	0.38	
39	Yoshimigawa River	Iwanatsurubashi Bridge	Iwakishi City	2012/2/27	Sunny	4.2	Olive black	Faint earth	Loamy	<30	970	1,200	0.14	Olive black	Faint earth	Loamy	<30	480	670	0.13		
40	Yoshimigawa River	Iwanatsurubashi Bridge	Iwakishi City	2012/2/27	Sunny	5.2	Olive black	Faint earth	Loamy	<30	890	1,100	0.12	Olive black	Faint earth	Loamy	<30	400	610	0.13		
41	Fuiwaragawa River	Shimabashi Bridge	Iwakishi City	2012/2/28	Clear	4.2	Olive black	Faint earth	Loamy	<30	590	830	0.12	Olive black	None	Loamy	<30	82	100	0.07		
42	Fuiwaragawa River	Minatohashi Bridge	Iwakishi City	2012/2/26	Cloudy	5.8	Brownish black	Faint earth	Loamy	<30	510	660	0.16	Brownish black	Faint earth	Loamy	<30	530	740	0.33		
43	Samegawa River	Iidosawabashi Bridge	Iwakishi City	2012/2/27	Sunny	4.8	Brown	Faint earth	Loamy	<30	70	97	0.13	—	—	—	—	—	—	—	—	Since previous survey locations of surrounding environment (left/right banks) had trace of open burning, soil sample and air dose surveyed at upstream side of the river.
44	Samegawa River	Samegawabashi Bridge	Iwakishi City	2012/2/27	Sunny	6.4	Brownish black	Faint earth	Sandy	<30	240	330	0.13	Brown	Faint earth	Loamy	<30	200	250	0.15		
45	Shitokagawa River	Komurobashi Bridge	Iwakishi City	2012/2/27	Sunny	3.9	Dark olive brown	Faint earth	Sandy	<30	110	140	0.18	Brownish black	Faint earth	Sandy	<30	50	87	0.19		
46	Bindagawa River	Kobanabashi	Iwakishi	2012/2/26	Cloudy	7.1	Brownish black	Faint earth	Loamy	<30	240	340	0.18	Brownish black	Faint earth	Loamy	<30	410	560	0.21		
47	Bindagawa River	Bindabashi Bridge	Iwakishi	2012/2/27	Sunny	4.8	Brownish black	Faint earth	Sandy	<30	240	310	0.16	Brownish black	Faint earth	Sandy	<30	340	520	0.22		

Ltd.

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

River (Nakadori Area): 4th Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Water quality										Remarks		
No.	Water body	Point	Municipality					General items							Radioactive material					
								Water temperature℃	Sampling depth	Color	Odor	Transparencym	Electrical conductivityμmho/cm	SS mg/l	Turbidity	Radioactive Cs-134	Radioactive cesium Cs-137			
49	Abukumagawa River System	Abukumagawa River	Habutobashi Bridge	Nishigomura Village	2012/3/2	Cloudy	3.1	0.40	5.1	0.0	Colorless	None	100 or	12.8	4	2.2	<1	<1	<1	
50		Abukumagawa River	Tamachiohashi Bridge	Shirakawashi City	2012/3/3	Sunny	5.2	0.60	6.4	0.0	Colorless	None	100 or	12.9	3	3.5	<1	<1	<1	
51		Yanagawa River	Before the confluence with Abukumagawa River	Shirakawashi City	2012/3/2	Cloudy	2.8	0.25	6.8	0.0	Colorless	None	100 or	62.2	1	2.4	<1	<1	<1	
52		Yashirogawa River	Yashirogawabashi Bridge	Tanagatama Town	2012/2/28	Sunny	0.4	0.40	2.5	0.0	Colorless	None	100 or	13.9	2	3.0	<1	<1	<1	
53		Kitanagawa River	Yanagibashi Bridge	Hirataura Village	2012/3/3	Sunny	3.6	0.40	4.4	0.0	Colorless	None	70	13.8	4	6.1	<1	<1	<1	
54		Shakadagawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/3/3	Sunny	5.8	0.80	5.8	0.0	Greens	None	47	17.4	10	12	<1	<1	<1	
55		Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	2012/3/2	Cloudy	4.2	0.60	3.4	0.0	Yellow	None	85	15.0	5	6.5	<1	<1	<1	
56		Abukumagawa River	Kawanomebashi Bridge	Tamakawamura Village	2012/3/1	Cloudy	5.7	0.40	4.4	0.0	Colorless	None	100 or	18.4	3	3.6	<1	<1	<1	
57		Abukumagawa River	Emochibashi Bridge	Sukagawashi City	2012/3/1	Sunny	3.0	0.30	3.3	0.0	Colorless	None	100 or	19.8	4	5.0	<1	<1	<1	
58		Shakadagawa River	Sukagawashi City water intake point	Sukagawashi City	2012/3/1	Sunny	3.6	0.30	4.6	0.0	Colorless	None	73	19.9	5	8.1	<1	<1	<1	
59		Shakadagawa River	Before the confluence with Abukumagawa River	Sukagawashi City	2012/3/1	Cloudy	0.7	0.40	3.9	0.0	Colorless	None	85	19.0	7	8.1	<1	<1	<1	
60		Sasaharagawa River	Shimbashi Bridge	Koriyamashi City	2012/2/29	Snow	0.2	0.30	2.6	0.0	Greens	Faint	45	24.2	11	12	<1	<1	<1	
61		Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/2/29	Snow	-1.1	0.30	2.0	0.0	Colorless	None	84	28.1	7	7.8	<1	<1	<1	
62		Okaneagawa River	Funehikibashi Bridge	Tamurashi City	2012/2/28	Sunny	-1.2	0.30	0.8	0.0	Colorless	None	100 or	19.5	5	4.0	<1	<1	<1	
63		Okaneagawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/3/1	Cloudy	0.5	0.20	2.6	0.0	Colorless	None	100 or	22.0	2	3.0	<1	<1	<1	
64		Ousegawa River	Before the confluence with Babagawa River	Koriyamashi City	2012/2/28	Cloudy	2.9	0.30	3.4	0.0	Colorless	None	100 or	35.4	2	3.7	<1	<1	<1	
65		Ousegawa River	Makunouchibashi Bridge	Koriyamashi City	2012/2/29	Snow	-0.6	0.20	2.6	0.0	Colorless	None	75	35.5	7	7.9	<1	<1	<1	
66		Ousegawa River	Before the confluence with Abukumagawa River	Koriyamashi City	2012/2/29	Snow	-0.4	0.30	2.8	0.0	Colorless	None	80	37.8	6	6.7	<1	<1	<1	
67		Abukumagawa River	Akutsubashi Bridge	Koriyamashi City	2012/2/29	Snow	-1.0	0.40	3.2	0.0	Colorless	None	100 or	31.1	7	6.2	<1	<1	<1	
68		Abukumagawa River System	Golyakagawa River	After the confluence with Ishimuragawa River	Koriyamashi City	2012/2/28	Sunny	2.8	0.50	3.8	0.0	Colorless	None	100 or	12.1	1	1.2	<1	<1	<1
69			Golyakagawa River	Kamisekishitabashi Bridge	Motomiyashi City	2012/2/28	Sunny	2.0	0.40	2.2	0.0	Colorless	None	100 or	19.2	2	2.1	<1	<1	<1
70			Golyakagawa River	Before the confluence with Abukumagawa River	Motomiyashi City	2012/2/28	Sunny	1.6	0.30	1.6	0.0	Colorless	None	100 or	18.5	3	3.5	<1	<1	<1
71			Abukumagawa River	Takadabashi Bridge	Nihonmatsushi City	2012/2/28	Clear	-2.1	0.50	1.9	0.0	Colorless	None	85	24.0	6	4.6	<1	<1	<1
72			Kuchibutogawa River	Kuchibutogawabashi Bridge	Nihonmatsushi City	2012/3/1	Sunny	8.1	0.40	5.5	0.0	Colorless	None	100 or	13.5	5	3.9	<1	<1	<1
73			Utsunogawa River	Osegawabashi Bridge	Nihonmatsushi City	2012/3/2	Cloudy	3.2	0.60	3.0	0.0	Gravish	None	100 or	18.8	6	5.3	<1	<1	<1
74			Hiruharagawa River	Getouchibashi Bridge	Fukushima City	2012/3/2	Cloudy	2.8	0.40	2.4	0.0	Dark	None	76	14.5	7	7.6	<1	<1	<1
75			Megurogawa River	Tsurumakibashi Bridge	Fukushima City	2012/3/2	Cloudy	3.4	0.20	2.4	0.0	Colorless	None	100 or	23.7	4	4.9	<1	<1	<1
76			Abukumagawa River	Horabashi Bridge	Fukushima City	2012/3/2	Rain	3.4	0.60	3.2	0.0	Gravish	None	100 or	23.9	4	4.5	<1	<1	<1
77			Nigatsigawa River	Before the confluence with Ousegawa River	Fukushima City	2012/3/1	Cloudy	5.1	0.30	6.9	0.0	Colorless	None	52	41.6	16	19	<1	<1	<1
78			Arakawa River	Hinokurabashi Bridge	Fukushima City	2012/3/1	Sunny	3.4	0.45	6.3	0.0	Gravish	None	100 or	42.4	2	2.6	<1	<1	<1
79			Sukawa River	Sukawabashi Bridge	Fukushima City	2012/3/1	Cloudy	3.6	0.20	5.9	0.0	Colorless	None	100 or	6.5	<1	0.2	<1	<1	<1
80			Arakawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/3/1	Cloudy	6.1	0.50	9.2	0.0	Gravish	None	65	35.2	15	10	<1	<1	<1
81			Matsukawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/3/4	Sunny	1.4	0.30	4.7	0.0	Colorless	None	100 or	22.1	5	3.7	<1	<1	<1
82			Hattandagawa River	Hattandabashi Bridge	Fukushima City	2012/3/4	Sunny	4.8	0.30	4.5	0.0	Gravish	None	78	24.1	11	8.1	<1	<1	<1
83			Surkamagawa River	Totsunabashi Bridge	Fukushima City	2012/2/28	Sunny	3.9	0.30	4.2	0.0	Colorless	None	100 or	16.4	2	2.0	<1	<1	<1
84			Surkamagawa River	Before the confluence with Abukumagawa River	Fukushima City	2012/2/29	Snow	-0.5	0.50	2.5	0.0	Colorless	None	100 or	12.7	2	1.8	<1	<1	<1
85			Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/3/3	Cloudy	3.8	0.30	5.0	0.0	Greens	None	50	24.7	7	8.5	<1	<1	<1
86			Hirosegawa River	Tatenokoshibashi Bridge	Kawamutamachi Town	2012/3/1	Sunny	4.4	0.60	3.8	0.0	Colorless	None	100 or	13.1	4	3.9	<1	<1	<1
87			Hirosegawa River	Jizogawarabashi Bridge	Dateshi City	2012/3/3	Cloudy	4.8	0.40	3.4	0.0	Greens	None	66	16.0	5	5.2	<1	<1	<1
88		Ogunigawa River	Before the confluence with Hirosegawa River	Dateshi City	2012/3/4	Sunny	2.4	0.50	1.9	0.0	Greens	None	39	18.8	10	12	<1	<1	<1	
89		Hirosegawa River	Before the confluence with Abukumagawa River	Dateshi City	2012/3/4	Sunny	4.0	0.50	3.4	0.0	Greens	None	50	18.3	7	9.5	<1	<1	<1	
90	Others	Kurokawa River	Prefectural border with Tochigi	Shirakawashi City	2012/3/3	Sunny	5.0	0.45	6.4	0.0	Colorless	None	100 or	15.0	1	1.7	<1	<1	<1	
91		Kujigawa River	Matsuokabashi Bridge	Tanagatama Town	2012/2/28	Sunny	5.4	0.30	4.2	0.0	Colorless	None	100 or	15.5	1	2.1	<1	<1	<1	
92		Kujigawa River	Takachiharabashi Bridge	Yamatsurimachi Town	2012/2/28	Sunny	4.6	0.30	4.4	0.0	Green	None	100 or	12.3	3	2.9	<1	<1	<1	

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

River (Nakadori Area): 4th Sediment Monitoring Results

Sampling point			Municipality	Sampling date	Weather	Air temperature ℃	Full depth m	Sediment															Remarks				
No.	Water body	Point						General items										Radioactive material									
								Mud tempe	Mud sampling	Color	Odor	Coars	Medium	Fine	Coars	Medium	Fine	Silt	Clay	Mud content	Soil particle	Property		Radioactive Cs-134	Radioactive Cs-137		
49	Abukumaga wa River System	Abukumaga River	Habutuhashi Bridge	Nishikuma Village	2012/3/2	Cloudy	3.1	0.40	4.2	5	Dark green color	None	—	3.0	7.0	25.7	59.5	4.6	0.2	79.1	2.690	Sand with	<40	38	58		
50		Abukumaga River	Tamachiohashi Bridge	Shirakawashi City	2012/3/3	Sunny	5.2	0.60	5.5	5	Olive black	None	—	20.6	22.1	16.4	27.3	9.9	4.7	76.4	2.736	Sand with	<40	120	160		
51		Yatagawa River	After the confluence with Abukumaga River	Shirakawashi City	2012/3/2	Cloudy	2.8	0.25	6.8	5	Brownish black	None	—	—	—	1.5	36.9	59.4	1.4	0.8	78.9	2.661	Sand	<40	200	290	
52		Yashirogawa River	Yashirogawa Bridge	Yamaguchi City	2012/2/28	Sunny	0.6	0.40	2.3	5	Dark olive brown	None	—	60.5	1.8	10.4	26.6	53.5	2.2	2.6	73.8	2.685	Gravel	<40	64	86	
53		Kiyunaga River	Yanagibashi Bridge	Hiratsuma Village	2012/3/3	Sunny	5.8	0.40	3.3	5	Dark olive brown	None	—	—	—	1.3	30.2	63.4	5.4	1.4	80.2	2.634	Sand	<40	2	4	
54		Iinadagawa River	Nekonakibashi Bridge	Ishikawamachi Town	2012/3/3	Sunny	5.8	0.80	5.6	6	Brownish black	None	—	1.7	15.9	29.0	39.9	5.3	2.2	75.3	2.726	Sand with	<40	19	36		
55		Yashirogawa River	Ojibashi Bridge	Ishikawamachi Town	2012/3/2	Cloudy	4.2	0.60	3.4	5	Dark olive brown	None	—	7.9	14.3	35.6	37.9	3.8	0.5	79.3	2.741	Sand with	<40	17	35		
56		Abukumaga River	Kawanomeshashi Bridge	Tamakawamachi Village	2012/3/1	Cloudy	5.7	0.40	6.2	5	Brownish black	None	—	0.8	0.5	1.1	58.2	37.4	2.0	76.1	2.934	Sand	<40	33	44		
57		Abukumaga River	Emochibashi Bridge	Sakagawashi City	2012/3/1	Sunny	3.0	0.30	3.8	3	Brownish black	None	—	24.1	16.2	19.7	38.5	1.4	0.1	83.8	2.816	Sand with	<40	10	14		
58		Sekigahara River	Shirakawashi City water intake point	Sakagawashi City	2012/3/1	Sunny	3.6	0.50	4.6	3	Brownish black	None	—	10.4	6.6	31.3	48.1	2.2	0.2	80.3	2.842	Sand with	<40	46	80		
59		Shakudagawa River	After the confluence with Abukumaga River	Sakagawashi City	2012/3/1	Sunny	3.3	0.40	3.3	3	Brownish black	None	—	—	—	1.9	24.1	46.3	1.4	0.1	80.7	2.751	Sand with	<40	19	28	
60		Sakuragawa River	Shinbashi Bridge	Koriyamashi City	2012/2/29	Snow	-0.2	0.30	2.2	3	Dark brown	None	—	30.5	2.7	16.4	37.2	1.6	0.6	88.8	2.673	Sand with	<40	190	290		
61		Yatagawa River	Yatagawabashi Bridge	Koriyamashi City	2012/2/29	Snow	-1.1	0.30	2.0	3	Dark brown	None	—	1.5	11.7	40.7	44.5	1.2	0.4	77.3	2.644	Sand with	<40	66	94		
62		Okunaga River	Funchikibashi Bridge	Tamurashi City	2012/2/28	Sunny	-1.2	0.30	1.2	3	Dark brown	None	—	1.1	6.5	25.3	65.9	3.0	0.2	80.6	2.727	Sand	<40	74	99		
63		Okunaga River	After the confluence with Abukumaga River	Koriyamashi City	2012/3/1	Cloudy	0.5	0.20	3.0	3	Brownish black	None	—	2.6	12.4	31.4	37.0	14.4	2.2	80.3	2.705	Sand with	<40	150	210		
64		Onogawa River	Onogawa Bridge	Koriyamashi City	2012/2/28	Cloudy	-0.9	0.30	3.6	3	Dark brown	None	—	9.5	2.8	19.9	57.6	5.2	0.6	78.1	2.668	Gravel/sand	<40	500	690		
65		Onogawa River	Makomochibashi Bridge	Koriyamashi City	2012/2/28	Snow	-0.2	0.30	2.2	3	Dark brown	None	—	24.2	2.5	2.4	24.3	4.4	0.3	82.6	2.695	Sand with	<40	134	183		
66		Onogawa River	After the confluence with Abukumaga River	Koriyamashi City	2012/2/29	Snow	-0.4	0.30	2.8	3	Dark brown	None	—	4.8	5.7	21.1	63.6	3.4	0.8	77.3	2.660	Sand with	<40	650	890		
67		Abukumaga River	Akutsuibashi Bridge	Koriyamashi City	2012/2/29	Snow	-1.0	0.40	2.8	3	Dark olive brown	None	—	25.8	17.5	25.7	29.0	1.6	0.9	81.7	2.699	Sand	<40	140	210		
68		Gohyadagawa River	After the confluence with Abukumaga River	Koriyamashi City	2012/2/28	Sunny	2.8	0.50	3.6	3	Brownish black	None	—	5.6	29.9	42.6	20.4	1.0	0.5	76.3	2.663	Sand with	<40	52	70		
69		Gohyadagawa River	Kamsekishitabashi Bridge	Montomiyashi City	2012/2/28	Sunny	2.0	0.40	2.4	3	Grayish yellow	None	—	19.6	23.5	27.0	26.6	2.2	1.3	79.1	2.639	Sand with	<40	90	140		
70		Gohyadagawa River	After the confluence with Abukumaga River	Montomiyashi City	2012/2/28	Sunny	1.6	0.30	2.2	3	None	None	—	—	2.0	23.1	76.0	1.0	0.1	77.0	2.638	Sand with	<40	310	420		
71		Okunaga River	Akadabashi Bridge	Nhomamachi City	2012/2/28	Snow	-0.5	0.30	2.2	10	Dark olive	None	—	—	—	10.8	47.4	4.0	8.3	76.1	2.630	Sand with	<40	460	600		
72		Kochibogawa River	Kachibogawabashi Bridge	Nhomamachi City	2012/3/1	Sunny	8.1	0.40	3.9	10	Olive black	None	—	1.5	9.6	42.4	42.2	4.2	0.1	76.9	2.783	Sand	<40	380	570		
73		Ishikigawa River	Osegawabashi Bridge	Nhomamachi City	2012/3/2	Cloudy	3.2	0.60	3.8	3	Brownish black	None	—	—	—	0.3	38.7	58.5	2.5	1.3	75.0	2.815	Sand	<40	280	390	
74		Menzagawa River	Gotouchibashi Bridge	Fukushima City	2012/3/2	Cloudy	2.8	0.40	2.6	3	Black	None	—	3.6	4.7	8.6	55.5	21.8	4.0	1.8	73.3	2.849	Sand	<40	580	830	
75		Menzagawa River	Isurumakibashi Bridge	Fukushima City	2012/3/2	Cloudy	3.4	0.20	2.6	3	Brownish black	None	—	0.3	10.0	36.0	50.7	2.0	0.8	74.5	2.737	Sand with	<40	530	810		
76		Endogawa River	Horaibashi Bridge	Fukushima City	2012/3/2	Rain	3.4	0.60	5.2	3	Dark olive brown	None	—	—	0.4	3.5	80.8	15.1	0.2	72.3	2.723	Sand	<40	200	260		
77		Nogawa River	After the confluence with Abukumaga River	Fukushima City	2012/3/2	Cloudy	3.2	0.40	2.4	3	Dark olive brown	None	—	—	—	0.4	3.5	80.8	15.1	0.2	72.3	2.723	Sand	<40	200	260	
78		Arakawa River	Hinomakurabashi Bridge	Fukushima City	2012/3/1	Sunny	3.4	0.45	6.3	3	Brownish black	None	—	24.8	1.5	14.3	38.8	1.0	0.9	76.9	2.773	Sand with	<40	43	61		
79		Sakawa River	Sukawabashi Bridge	Fukushima City	2012/3/1	Cloudy	3.6	0.20	5.9	3	Dark brown	None	—	17.9	25.2	34.0	21.9	2.1	0.9	73.9	2.677	Sand with	<40	79	120		
80		Arakawa River	After the confluence with Abukumaga River	Fukushima City	2012/3/1	Cloudy	6.1	0.50	9.2	5	Brownish black	None	—	30.9	10.3	15.6	25.8	9.6	5.2	2.6	64.7	2.826	Sand with	<40	570	810	
81		Matsukawa River	After the confluence with Abukumaga River	Fukushima City	2012/3/4	Sunny	1.4	0.30	3.4	3	Olive	None	—	17.1	30.7	25.5	23.2	3.9	0.5	80.4	2.740	Sand with	<40	280	410		
82		Hattandagawa River	Hattandabashi Bridge	Fukushima City	2012/3/4	Sunny	4.8	0.30	5.2	3	Dark olive	None	—	21.9	26.4	21.7	26.9	2.4	0.7	80.0	2.660	Sand with	<40	440	650		
83		Sekiragawa River	After the confluence with Abukumaga River	Fukushima City	2012/2/28	Sunny	3.9	0.40	2.6	3	Olive brown	None	—	14.1	28.1	25.4	25.6	1.6	0.7	76.1	2.734	Sand	<40	160	240		
84		Sekiragawa River	After the confluence with Abukumaga River	Fukushima City	2012/2/29	Snow	-0.5	0.50	2.6	3	Olive brown	None	—	0.4	3.7	28.2	60.8	5.1	1.8	76.0	2.606	Sand	<40	350	480		
85		Abukumaga River	Iarshobashi Bridge	Dateshi City	2012/3/3	Cloudy	3.8	0.30	5.2	3	Brownish black	None	—	0.3	2.6	8.4	30.5	46.2	7.9	4.1	73.9	2.661	Sand	<40	480	680	
86		Hirosegawa River	Iatenokoshibashi Bridge	Kawanamachi Town	2012/3/1	Sunny	4.4	0.60	3.0	10	Dark olive brown	None	—	0.4	3.3	34.4	58.9	2.8	0.3	73.0	2.698	Sand	<40	340	430		
87		Hirosegawa River	Jizozawarabashi Bridge	Dateshi City	2012/3/3	Cloudy	4.4	0.40	1.3	3	Dark olive	None	—	—	2.1	43.0	53.8	0.9	0.2	75.5	2.658	Sand	<40	510	470		
88		Osagawa River	After the confluence with Hirosegawa River	Dateshi City	2012/3/4	Sunny	2.4	0.50	2.1	3	Olive black	None	—	0.5	17.2	21.0	47.2	1.6	0.3	78.8	2.675	Sand	<40	1000	1300		
89		Hirosegawa River	After the confluence with Abukumaga River	Dateshi City	2012/3/4	Sunny	2.0	0.40	2.1	3	Dark brown	None	—	3.1	28.1	35.9	47.1	2.6	0.7	76.1	2.734	Sand	<40	300	400		
90		Kurokawa River	Interfectoral border with Iochigi	Shirakawashi City	2012/3/3	Sunny	3.0	0.45	7.8	12	Dark olive brown	None	—	—	0.1	2.0	70.1	25.1	0.4	74.2	2.762	Sand	<40	31	82		
91		Others	Kungawa River	Matsuokabashi Bridge	Yamaguchi Town	2012/2/28	Sunny	3.4	0.30	3.5	3	Brownish gray	None	—	—	0.6	1.3	49.1	34.1	9.8	5.1	72.1	2.664	Sand	<40	500	500
92			Kungawa River	Takachiharabashi Bridge	Yamaguchi Town	2012/2/28	Sunny	4.6	0.30	3.1	3	Brownish black	None	—	—	0.2	16.4	79.9	2.4	1.1	75.9	2.673	Sand	<40	18	26	

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

River (Nakadori Area): 4th Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature (°C)	Surrounding environment (soil and air dose)							Surrounding environment (soil and air dose)							Remarks
No.	Water body	Point	Municipality				Soil			Air dose		Soil			Air dose						
							General items			Radioactive material (Bq/kg)	Radioactive material (μSv/h)	General items			Radioactive material (Bq/kg)	Radioactive material (μSv/h)					
							Color	Odor	Property			Color	Odor	Property							
																	Cs-134 (Bq/kg)	Cs-137 (Bq/kg)	Cs-134 (Bq/kg)	Cs-137 (Bq/kg)	
49	Abukumagawa River	Yamachibashi Bridge	Shirakawashi City	2012/2/27	Sunny	3.1	Brown	Faint	Loamy	<30	2,300	1,400	0.34	—	—	—	—	Surrounding environment (right bank): Unable to collect soil and measure air dose due to much snow on the lake shore.			
50	Abukumagawa River	Yamachibashi Bridge	Shirakawashi City	2012/2/27	Sunny	5.2	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.			
51	Yatagawa River	Yamachibashi Bridge	Shirakawashi City	2012/2/27	Cloud	2.8	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.			
52	Yatagawa River	Yamachibashi Bridge	Yamagata City	2012/2/28	Sunny	0.4	Black	Faint	Sandy	<30	1,100	1,500	0.24	Black	Faint	Sandy	<30	840	1,100	0.26	
53	Katagawa River	Yamachibashi Bridge	Haratama Village	2012/2/27	Sunny	3.6	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.		
54	Imadagawa River	Nekomachibashi Bridge	Shirakawashi Town	2012/2/27	Sunny	5.8	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.		
55	Yatagawa River	Onabashi Bridge	Shirakawashi Town	2012/2/27	Cloud	4.2	—	—	—	—	—	—	—	Brownish	None	Loamy	<30	500	700	0.14	
56	Abukumagawa River	Kawanomachibashi Bridge	Imakawa Village	2012/2/27	Cloud	5.7	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
57	Abukumagawa River	Imochibashi Bridge	Shirakawashi City	2012/2/27	Sunny	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
58	Shirakagawa River	Shirakawashi City water intake point	Shirakawashi City	2012/2/27	Sunny	3.6	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
59	Shirakagawa River	Shirakawashi City water intake point	Shirakawashi City	2012/2/27	Cloud	0.7	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
60	Sashimawaga River	Shimabashi Bridge	Koriyama City	2012/2/29	Snow	0.2	Dark	Faint	Clay-	<30	1,100	1,600	0.70	Dark	Faint	Clay-	<30	1,300	1,800	0.68	
61	Yatagawa River	Yatagawabashi Bridge	Koriyama City	2012/2/29	Snow	-1.1	Brown	Faint	Loamy	<30	1,400	2,000	0.47	Brownish	Faint	Loamy	<30	3,000	4,200	0.47	
62	Kakunaga River	Funchikibashi Bridge	Tamashiro City	2012/2/28	Sunny	-1.2	Brown	None	Loamy	<30	1,200	1,700	0.20	Brownish	None	Loamy	<30	310	470	0.23	
63	Okunaga River	Funchikibashi Bridge	Koriyama City	2012/2/27	Cloud	0.5	—	—	—	—	—	—	—	—	—	—	—	—	—	Surrounding environment (right bank): Unable to collect soil and measure air dose due to much snow on the lake shore.	
64	Okunaga River	Shirakawashi City water intake point	Koriyama City	2012/2/28	Cloud	2.9	Olive	Faint	Clay-	<30	1,400	1,900	0.76	—	—	—	—	—	—	Surrounding environment (right bank): Unable to collect soil and measure air dose due to much snow on the lake shore.	
65	Okunaga River	Makunouchibashi Bridge	Koriyama City	2012/2/29	Snow	-0.6	Brown	Faint	Loamy	<30	1,100	1,500	0.75	Brownish	Faint	Loamy	<30	22,000	30,000	0.97	
66	Okunaga River	Makunouchibashi Bridge	Koriyama City	2012/2/29	Snow	-0.4	Brown	Faint	Clay-	<30	8,900	8,300	1.42	Brownish	Faint	Clay-	<30	2,300	3,100	2.02	
67	Abukumagawa River	Akutsubashi Bridge	Koriyama City	2012/2/29	Snow	-1.0	Brown	Faint	Loamy	<30	520	740	0.58	Brownish	Faint	Loamy	<30	950	1,200	0.80	
68	Gohyaku River	Akutsubashi Bridge	Koriyama City	2012/2/28	Sunny	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	Surrounding environment (right bank): Unable to collect soil and measure air dose due to much snow on the lake shore.	
69	Gohyaku River	Kametsukibashibashi Bridge	Motomiya City	2012/2/28	Sunny	2.0	Brown	Faint	Loamy	<30	9,700	13,000	1.30	Dark	Faint	Loamy	<30	1,600	2,300	1.25	
70	Gohyaku River	Kametsukibashi Bridge	Motomiya City	2012/2/28	Sunny	1.6	Brown	Faint	Clay-	<30	1,700	2,300	1.30	Dark	Faint	Loamy	<30	1,600	2,400	1.33	
71	Abukumagawa River	Takadabashi Bridge	Shirakawashi City	2012/2/28	Clear	-2.1	Olive	Faint	Loamy	<30	260	350	0.52	—	—	—	—	—	—	Surrounding environment (right bank): Unable to collect soil and measure air dose due to much snow on the lake shore.	
72	Kachibashi River	Kachibashibashi Bridge	Shirakawashi City	2012/2/27	Sunny	8.1	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
73	Utsunaga River	Osegawabashi Bridge	Shirakawashi City	2012/2/27	Cloud	3.2	—	—	—	—	—	—	—	Dark	Faint	Loamy	<30	830	1,000	0.77	
74	Munakawa River	Gefuchibashi Bridge	Shirakawashi City	2012/2/27	Cloud	2.8	Brown	Faint	Loamy	<30	2,900	4,100	1.24	—	—	—	—	—	—	Surrounding environment (right bank): Unable to collect soil and measure air dose due to much snow on the lake shore.	
75	Munakawa River	Tsurumakibashi Bridge	Shirakawashi City	2012/2/27	Cloud	3.4	—	—	—	—	—	—	—	Dark	None	Loamy	<30	1,600	2,100	0.81	
76	Abukumagawa River	Horabashi Bridge	Fukushima City	2012/2/32	Rain	3.4	Black	Faint	Loamy	<30	3,200	4,500	0.74	Dark	Faint	Loamy	<30	5,900	8,400	1.06	
77	Nigata River	Shirakawashi City water intake point	Fukushima City	2012/2/27	Cloud	5.1	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
78	Arakawa River	Hinomakurabashi Bridge	Fukushima City	2012/2/27	Sunny	3.4	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
79	Sakawa River	Sakawabashi Bridge	Fukushima City	2012/2/27	Cloud	3.6	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
80	Arakawa River	Sakawabashi Bridge	Fukushima City	2012/2/27	Cloud	6.1	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
81	Matsumura River	Matsumura Bridge	Fukushima City	2012/2/27	Sunny	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
82	Matsumura River	Hattadabashi Bridge	Fukushima City	2012/2/27	Sunny	4.8	Brown	None	Loamy	<30	1,800	2,500	0.72	—	—	—	—	—	—	Surrounding environment (right bank): Unable to collect soil and measure air dose due to much snow on the lake shore.	
83	Sakagawa River	Totsunabashi Bridge	Fukushima City	2012/2/28	Sunny	3.9	Brown	None	Sandy	<30	3,900	5,300	0.77	Olive	None	Sandy	<30	3,500	4,800	0.80	
84	Sakagawa River	Totsunabashi Bridge	Fukushima City	2012/2/29	Snow	-0.5	Brown	Faint	Loamy	<30	2,400	3,300	0.98	Olive	Faint	Sandy	<30	1,400	2,000	0.88	
85	Abukumagawa River	Taishobashi Bridge	Dateshi City	2012/2/27	Cloud	3.8	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
86	Hirose River	Tatenokushibashi Bridge	Dateshi City	2012/2/27	Sunny	4.4	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
87	Hirose River	Tatenokushibashi Bridge	Dateshi City	2012/2/27	Cloud	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
88	Hirose River	Tatenokushibashi Bridge	Dateshi City	2012/2/27	Sunny	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore.	
89	Hirose River	Tatenokushibashi Bridge	Dateshi City	2012/2/27	Sunny	4.0	Dark	Faint	Sandy	<30	1,600	2,200	0.49	Brownish	Faint	Loamy	<30	790	1,000	0.34	
90	Kurokawa River	Tatenokushibashi Bridge	Dateshi City	2012/2/27	Sunny	5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Surrounding environment (right bank): Unable to collect soil and measure air dose due to much snow on the lake shore.
91	Others	Kuigawa River	Matsuokabashi Bridge	Yamagata City	2012/2/28	Sunny	3.4	Brown	Faint	Loamy	<30	680	890	0.19	Brownish	Faint	Loamy	<30	280	410	0.20
92		Kuigawa River	Takachinabashi Bridge	Yamagata City	2012/2/28	Sunny	4.6	Brown	Faint	Loamy	<30	260	340	0.12	Brownish	Faint	Loamy	<30	65	97	0.11

Note: * Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

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

River (Aizu Area): 4th Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Water quality										Remarks		
No.	Water body	Point	Municipality					General items							Radioactive material					
								Water temperature℃	Sampling depth	Color	Odor	Transparencym	Electrical conductivityμ	SS mg/L	Turbidity	Radioactive iodine	Radioactive cesium Cs-134 Cs-137			
93	Aganogawa River System	Aganogawa River	Tajimabashi Bridge	Minamitsurumachi Town	2012/3/2	Snow	1.9	0.40	3.6	0.0	Colorless	None	100 or more	6.4	1	1.5	<1	<1	<1	
94		Aganogawa River	Okawabashi Bridge	Aizuwakamatsushi City	2012/3/9	Rain	4.1	0.40	4.2	0.0	Dark	None	100 or more	7.5	2	3.8	<1	<1	<1	
95		Yukawa River	Takimibashi Bridge	Aizuwakamatsushi City	2012/3/2	Cloudy	2.1	0.20	3.0	0.0	Colorless	None	100 or more	14.1	1	1.3	<1	<1	<1	
96		Yukawa River	Shinyukawabashi Bridge	Aizuwakamatsushi City	2012/3/2	Cloudy	0.8	0.20	4.4	0.0	Colorless	None	100 or more	14.4	11	5.6	<1	<1	<1	
97		Yukawa River	Before the confluence with Aganogawa River	Aizuwakamatsushi City	2012/3/2	Cloudy	1.2	0.30	5.2	0.0	Colorless	None	100 or more	21.1	9	4.8	<1	<1	<1	
98		Miyakawa River	Saikunabashi Bridge	Aizubangemachi Town	2012/3/2	Cloudy	2.5	0.50	4.9	0.0	Colorless	None	100 or more	11.3	4	3.6	<1	<1	<1	
99		Aganogawa River	Miyakobashi Bridge	Aizubangemachi Town	2012/3/2	Cloudy	1.5	1.00	4.0	0.0	Colorless	None	100 or more	18.6	6	4.2	<1	<1	<1	
100		Nippahigawa River	Minamiohashi Bridge	Kitakatashi City	2012/3/1	Sunny	7.2	0.70	6.6	0.0	Colorless	None	75	14.5	8	7.3	<1	<1	<1	
101		Kyotakawa River	Awanomiyabashi Bridge	Yugawamura Village	2012/3/1	Sunny	6.2	0.40	5.8	0.0	Colorless	None	75	19.3	9	9.8	<1	<1	<1	
102		Kyomiyakawa River	Josukebashi Bridge	Aizubangemachi Town	2012/3/2	Cloudy	0.4	0.30	4.2	0.0	Pale	None	77	17.2	5	9.1	<1	<1	<1	
103		Tatsukigawa River	Ohashi Bridge	Kitakatashi City	2012/3/1	Cloudy	4.0	0.40	4.8	0.0	Colorless	None	100 or more	11.1	6	3.7	<1	<1	<1	
104		Tatsukigawa River	Shimokawarabashi Bridge	Kitakatashi City	2012/3/1	Cloudy	4.6	0.30	8.1	0.0	Colorless	None	100 or more	15.0	5	4.2	<1	<1	<1	
105		Nigorigawa River	Nigorigawabashi Bridge	Kitakatashi City	2012/3/1	Cloudy	4.9	0.30	5.1	0.0	Colorless	None	100 or more	14.0	4	3.8	<1	<1	<1	
106		Nigorigawa River	Yamazakibashi Bridge	Kitakatashi City	2012/3/2	Cloudy	-0.2	0.30	2.4	0.0	Colorless	None	100 or more	20.8	7	5.3	<1	<1	<1	
107		Inagawa River	Aoyagibashi Bridge	Minamitsurumachi Town	2012/3/2	Snow	1.4	0.40	2.4	0.0	Colorless	None	100 or more	7.4	6	5.5	<1	<1	<1	
108		Inagawa River	Kurosawabashi Bridge	Tadamimachi Town	2012/3/2	Cloudy	2.3	0.80	3.2	0.0	Yellow	None	49	9.0	14	11	<1	<1	<1	
109		Tadami-gawa River	Nishitanibashi Bridge	Kaneyamamachi Town	2012/3/3	Cloudy	2.6	0.60	2.9	0.0	Grayish	None	27	10.3	46	55	<1	<1	<1	
110		Tadami-gawa River	Fujibashi Bridge	Aizubangemachi Town	2012/2/29	Snow	-0.2	0.60	1.9	0.0	Dark	None	24	10.9	20	29	<1	<1	<1	Unable to access to the previous water quality and sediment survey location due to snow on the ground, survey location changed to the bridge and water quality and sediment survey conducted.
111	Aganogawa River	Shingo Dam	Kitakatashi City	2012/2/29	Snow	-0.5	1.20	2.8	0.0	Grayish	None	39	9.5	12	19	<1	<1	<1	Due to difficulty in water and mud sampling because of snow on the lake shore, sampling point changed to the upstream side, and only water quality survey conducted.	
112	Others	Sukawa River	Sukawano	Inawashiro-machi Town	2012/2/27	Sunny	-2.9	0.70	4.8	0.0	Colorless	None	100 or more	88.1	2	0.9	<1	<1	<1	
113		Naganogawa River	Koganebashi Bridge	Inawashiro-machi Town	2012/2/27	Cloudy	-2.6	0.70	1.8	0.0	Colorless	None	100 or more	12.0	5	2.7	<1	<1	<1	Unable to get on the closed Koganebashi Bridge as well as due to much snow on the river bank, survey location changed to a bridge in lower reaches, and water quality survey conducted.

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

River (Aizu Area): 4th Sediment Monitoring Results

Sampling point				Sampling date	Weather	Air temperature	Full depth m	Sediment																	Remarks		
No.	Water body	Point	Municipality					General items																			
								Water temperature	Mud sampling depth	Color	Odor	Gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine	Silt	Clay	Mud content	Silt partial	Property	Radioactive material	Radioactive Cs-134		Radioactive Cs-137	
93	Aganogawa River System	Aganogawa River Tajimabashi Bridge	Minamitsurumachi Town	2012/3/2	Snow	1.9	0.40	3.7	—	3	Dark	None	—	18.9	8.3	7.2	56.9	7.5	—	—	—	—	<30	<10	<10		
94		Aganogawa River Okawabashi Bridge	Aizuwakamatsushi City	2012/3/9	Rain	4.1	0.40	4.0	—	3	Olive	None	—	26.1	30.9	32.9	9.8	0.2	1.2	81.9	2.668	Sand with	<30	<10	<10		
95		Yukawa River Takimibashi Bridge	Aizuwakamatsushi City	2012/3/2	Cloudy	2.1	0.20	3.2	—	3	Brownish	None	—	26.8	17.2	17.4	32.3	4.7	0.1	75.4	2.628	Sand with	<30	98	130		
96		Yukawa River Shinyukawabashi Bridge	Aizuwakamatsushi City	2012/3/2	Cloudy	0.8	0.20	4.1	—	3	Black	None	—	28.3	19.6	19.1	29.9	2.3	0.8	81.8	2.713	Sand with	<30	65	110		
97		Yukawa River Before the confluence with Aganogawa River	Aizuwakamatsushi City	2012/3/2	Cloudy	1.2	0.30	5.3	—	3	Brownish	None	—	43.5	12.2	7.5	31.2	3.9	1.7	80.7	2.712	Sand with	<30	160	260		
98		Miyakawa River Saikunabashi Bridge	Aizubangemachi Town	2012/3/2	Cloudy	2.5	0.50	4.9	—	3	Olive	None	—	7.7	3.5	7.0	57.5	14.2	6.3	3.8	62.3	2.654	Sand with	<30	210	320	
99		Aganogawa River Miyakobashi Bridge	Aizubangemachi Town	2012/3/2	Cloudy	1.5	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment due to river bed being gravel	
100		Nippohigawa River Minamiohashi Bridge	Kitakatashi City	2012/3/1	Sunny	7.2	0.70	6.6	—	3	Brownish	None	—	2.0	1.9	0.9	28.3	51.5	10.1	5.3	61.3	2.624	Sand with	<30	570	730	
101		Kyotakawa River Awanomiyabashi Bridge	Yugawamura Village	2012/3/1	Sunny	6.2	0.40	5.8	—	3	Brownish	None	—	4.3	4.4	6.9	28.4	41.8	9.5	4.7	64.7	2.686	Sand with	<30	390	540	
102		Kyomiyakawa River Josukebashi Bridge	Aizubangemachi Town	2012/3/2	Cloudy	0.4	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to survey sediment due to river bed being gravel	
103		Tatsukigawa River Ohashi Bridge	Kitakatashi City	2012/3/1	Cloudy	4.0	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment due to river bed being gravel	
104		Tatsukigawa River Shimokawarabashi Bridge	Kitakatashi City	2012/3/1	Cloudy	4.6	0.30	8.1	—	3	Brownish	Faint	—	3.8	2.0	12.5	51.3	18.1	7.9	4.4	63.6	2.640	Sand with	<30	250	360	
105		Nigorigawa River Nigorigawabashi Bridge	Kitakatashi City	2012/3/1	Cloudy	4.9	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment due to river bed being gravel	
106		Nigorigawa River Yamazakibashi Bridge	Kitakatashi City	2012/3/2	Cloudy	-0.2	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment due to river bed being gravel	
107		Inagawa River Aoyagibashi Bridge	Minamitsurumachi Town	2012/3/2	Snow	1.4	0.40	2.5	—	3	Grayish	None	—	—	6.7	76.6	15.3	—	1.4	76.6	2.649	Gravel	<30	<10	<10		
108		Inagawa River Kurosawabashi Bridge	Tadamimachi Town	2012/3/2	Cloudy	2.3	0.80	3.3	—	10	Olive	None	—	—	—	21.6	64.9	—	4.4	71.3	2.688	Sand	<30	20	24		
109		Tadami-gawa River Nishitanibashi Bridge	Kaneyamamachi Town	2012/3/3	Cloudy	2.6	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment due to river bed being gravel	
110		Tadami-gawa River Fujibashi Bridge	Aizubangemachi Town	2012/2/29	Snow	-0.2	0.60	0.9	—	3	Olive	None	—	0.4	1.1	5.0	41.8	35.3	10.9	5.5	66.4	2.636	Sand with	<30	18	33	
111	Others	Aganogawa River Shingo Dam	Kitakatashi City	2012/2/29	Snow	-0.5	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Due to difficulty in water and mud sampling because of snow on the lake shore, sampling point changed to the upstream side, and only water quality survey conducted.	
112		Sukawa River Sukawano	Inawashiro-machi Town	2012/2/27	Sunny	-2.9	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
113		Naganogawa River Koganebashi Bridge	Inawashiro-machi Town	2012/2/27	Cloudy	-2.6	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment due to river bed being gravel	

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

River (Aizu Area): 4th Surrounding Environment (River Terrace) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature(℃)	Surrounding environment (soil and air dose)							Surrounding environment (soil and air dose)							Remarks
No.	Water body	Point	Municipality				Left bank				Right bank			Left bank				Right bank			
							General items			Radioactive material Count rate (cps) (Cs-134+Cs-137)	Air dose (μ)	General items			Radioactive material Count rate (cps) (Cs-134+Cs-137)	Air dose (μ)					
							Color	Odor	Property			Color	Odor	Property			Color	Odor	Property		
93	Aganogawa River	Tajimabashi Bridge	Aganogawa Town	2012/2/22	Snow	1.9	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
94	Aganogawa River	Okunabashi Bridge	Aganogawa Town	2012/2/29	Rain	4.1	—	—	—	—	—	—	—	—	—	—	—	Surrounding environment (right bank). Unable to collect soil and measure air dose due to much snow on the lake shore.			
95	Yukawa River	Takimabashi Bridge	Aganogawa Town	2012/2/22	Cloudy	2.1	—	—	—	—	—	—	—	—	—	—	—	—			
96	Yukawa River	Shimiyukawabashi Bridge	Aganogawa Town	2012/2/22	Cloudy	0.8	—	—	—	—	—	—	—	—	—	—	—	—			
97	Yukawa River	Below the confluence with Aganogawa River	Aganogawa Town	2012/2/22	Cloudy	1.2	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
98	Myakawa River	Saikunabashi Bridge	Aganogawa Town	2012/2/22	Cloudy	2.5	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
99	Aganogawa River	Myakabashi Bridge	Aganogawa Town	2012/2/22	Cloudy	1.5	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
100	Naganogawa River	Minamiohashi Bridge	Kitakata City	2012/2/21	Sunny	1.2	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
101	Aganogawa River System	Kyotakawa River	Awanomiya-bashi Bridge	Aganogawa Town	2012/2/21	Sunny	6.2	—	—	—	—	—	—	—	—	—	—	Surrounding environment (left bank). Unable to collect soil and measure air dose due to much snow on the lake shore			
102	Aganogawa River System	Kyotakawa River	Josukebashi Bridge	Aganogawa Town	2012/2/22	Cloudy	0.4	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
103	Aganogawa River System	Tatsukawa River	Ohashi Bridge	Kitakata City	2012/2/21	Cloudy	4.0	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
104	Aganogawa River System	Tatsukawa River	Shimokawabashi Bridge	Kitakata City	2012/2/21	Cloudy	4.6	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
105	Aganogawa River System	Naganogawa River	Naganogawabashi Bridge	Kitakata City	2012/2/21	Cloudy	4.9	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
106	Aganogawa River System	Naganogawa River	Yamazakibashi Bridge	Kitakata City	2012/2/22	Cloudy	0.2	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
107	Aganogawa River System	Inagawa River	Aoyagibashi Bridge	Aganogawa Town	2012/2/22	Snow	1.4	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
108	Aganogawa River System	Inagawa River	Kurosawabashi Bridge	Aganogawa Town	2012/2/22	Cloudy	2.3	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
109	Aganogawa River System	Inagawa River	Nishinabashi Bridge	Aganogawa Town	2012/2/22	Cloudy	2.6	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment due to river bed being gravel. Unable to collect soil and measure air dose due to much snow on the lake shore			
110	Aganogawa River System	Inagawa River	Tanabashi Bridge	Aganogawa Town	2012/2/29	Snow	0.2	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
111	Aganogawa River System	Shinno Dam	Kitakata City	2012/2/29	Snow	0.5	—	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			
112	Others	Nukawa River	Nukawano	Aganogawa Town	2012/2/22	Sunny	2.9	—	—	—	—	—	—	—	—	—	—	Unable to collect sediment and soil, and measure air dose due to much snow on the river bank			
113	Others	Naganogawa River	Kozanebashi Bridge	Aganogawa Town	2012/2/22	Cloudy	2.6	—	—	—	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore			

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

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

Lake and Headwater (Hamadori Area): 4th Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Air temperature (°C)	Full depth m	Water quality										Remarks	
No.	Point	Municipality					General items					Radioactive material						
			Water temperature (°C)	Sampling depth (m)	Color	Odor	Secchi disk depth (cm)	SS (mg/L)	Turbidity (NTU)	Radioactive cesium Cs-134	Radioactive cesium Cs-137							
114	Soso (farm pond) Takei	Shinetsu City	2012/2/1	Sunny	11.8	0.5	6.0	0.0	Grav	None	0.4	38.9	6	9.4	<1	<1	<1	Unable to conduct water quality survey, soil sampling, and air dose measurement due to much snow on the lake shore. Deliberate evacuation areas. Unable to observe the color (regarding water quality) due to freezing of the lake surface. Unable to collect soil and measure air dose due to much snow on the lake shore. Former evacuation-prepared areas in case of emergency. Unable to collect samples due to lower water level, or the survey location changed to downstream to conduct the water quality and sediment survey. Unable to collect soil and measure air dose due to much snow on the lake shore. Former evacuation-prepared areas in case of emergency. Unable to collect soil and measure air dose due to much snow on the lake shore. Restricted areas. Unable to measure full depth and Secchi disk depth (regarding water quality) due to freezing of the lake surface. Sediment survey location changed due to snow on the ground. Restricted areas Restricted areas; Survey location changed to inflow area due to freezing of the lake surface and water quality and Restricted areas; Survey location changed to inflow area due to freezing of the lake surface and water quality and
115	Soso (farm pond) Uchizawa	Somashi City	2012/2/29	Snow	1.0	—	—	—	—	—	—	—	—	—	<1	<1	<1	
117	Mano Dam	Hitatemura Village	2012/2/5	Rain	0.5	0.4	0.5	0.0	—	None	0.4 or	8.9	3	3.4	<1	<1	<1	
119	Takanokura Dam Reservoir	Minamimura City	2012/2/3	Cloudy	3.7	0.3	2.2	0.0	Color	None	0.3 or	7.7	1	2.7	<1	<1	<1	
120	Yokokawa Dam Reservoir	Minamimura City	2012/2/3	Sunny	1.9	0.5	2.5	0.0	Color	None	0.5 or	5.7	1	1.8	<1	<1	<1	
121	Okagi Dam	Namimura City	2012/2/4	Clear	1.1	—	0.5	0.0	Color	None	—	6.2	<1	0.7	<1	<1	<1	
122	Sakashita Dam	Okumura Town	2012/2/4	Clear	2.5	2.3	2.8	0.0	Dark	None	2.3 or	7.5	1	3.1	<1	<1	<1	
123	Takikawa Dam	Kawachimura Village	2012/2/4	Sunny	-0.8	0.3	1.4	0.0	Dark	None	0.3 or	7.1	3	2.8	<1	<1	<1	
124	Kido Dam	Narashima Town	2012/2/4	Clear	3.8	0.3	1.2	0.0	Color	None	0.3 or	5.4	<1	0.5	<1	<1	<1	
126	Iwaki (farm pond) Shinike	Iwakishi City	2012/2/25	Rain	4.4	0.5	4.3	0.0	Yellow	None	0.5 or	11.0	1	1.7	<1	<1	<1	
127	Kodama Dam Reservoir (Kodamako Lake)	Iwakishi City	2012/2/27	Sunny	0.8	58.7	2.9	0.5	Dark	None	3.7	9.1	2	2.9	<1	<1	<1	
128	Iwaki (farm pond) Kawanomatsubashi	Iwakishi City	2012/2/27	Sunny	6.2	0.3	5.1	0.0	Color	None	0.3 or	115.9	24	13	<1	<1	<1	
129	Takashiba Dam Reservoir (Takashibako Lake)	Iwakishi City	2012/2/5	Rain	3.6	14.6	5.1	0.5	Yellow	None	—	2	12.1	3	4.2	<1	<1	<1
130	Shitoki Dam Reservoir	Iwakishi City	2012/2/5	Rain	4.8	38.6	3.9	0.5	Dark	None	3.3	7.5	2	3.5	<1	<1	<1	
							3.8	37.6	—	None	—	7.1	7	7.6	<1	<1	<1	

Note: Sampling points are listed from north to south.

Lake and Headwater (Hamdori Area): 4th Sediment Monitoring Results

Sampling point			Sampling date	Weather	Air temperature (°C)	Full depth (m)	Sediment																	Remarks												
No.	Point	Municipality					General items										Radioactive material																			
			Mechanical composition										Property							Radioactive (Bq/g)																
			Mud	Mud	Color	Odor	Course grain (%)	Medium grain (%)	Fine grain (%)	Course sand (%)	Medium sand (%)	Fine sand (%)	Clay (%)	Loss on drying (%)	Loss on ignition (%)	Property	Cs-134	Cs-137																		
114	Soso (farm pond) Takei	Shinchiama	2012/3/1	Sunny	11.8	0.5	9.7	5	Dark olive	Faint earthy	—	7.6	13.3	51.9	22.1	4.6	60.4	30.4	49.0	2.576	Sniff	—	≤30	89	120	—	—	—	—	—	—	Unable to conduct water quality survey, soil sampling and air dose measurement due to snow on the lake shore.				
115	Soso (farm pond) Uchizawa	Somashi	2012/2/29	Snow	1.0	—	1.7	3	Dark olive	Faint earth	—	—	—	—	—	—	41.6	21.1	45.0	2.585	Sniff	—	≤30	940	1,400	—	—	—	—	—	—	—	Deliberate evacuation areas; Unable to observe color (regarding water quality) due to freezing of the lake surface. Unable to collect soil and measure air dose due to much snow on the lake shore.			
117	Mano Dam	Itatemura	2012/3/5	Rain	0.5	0.4	3.0	5	Black	Faint earth	—	—	0.3	1.2	4.5	31.3	41.6	21.1	45.0	2.585	Sniff	—	≤30	7,400	10,000	—	—	—	—	—	—	—	Former evacuation-prepared areas; Unable to observe color (regarding water quality) due to freezing of the lake surface. Unable to collect soil and measure air dose due to much snow on the lake shore.			
119	Takanokura Dam Reservoir	Minamiso	2012/3/3	Cloudy	3.7	0.3	2.2	3	Olive brown	None	—	—	5.2	8.8	20.7	39.2	15.8	6.8	3.5	80.1	2.684	Sand with	—	≤30	650	930	—	—	—	—	—	—	Former evacuation-prepared areas in case of emergency; Unable to collect soil and measure air dose due to much snow on the lake shore.			
120	Yokokawa Dam Reservoir	Minamiso	2012/3/3	Sunny	1.9	0.5	2.5	3	Dark olive brown	None	—	—	7.5	10.5	35.4	43.1	4.5	1.0	80.4	2.661	Sand with	—	≤30	1,400	2,100	—	—	—	—	—	—	—	Former evacuation-prepared areas in case of emergency; Unable to collect soil and measure air dose due to much snow on the lake shore.			
121	Osaki Dam	Namiemachi	2012/3/4	Clear	1.1	—	-0.3	3	Olive black	None	—	—	0.5	4.8	9.1	7.3	2.2	50.8	25.3	41.2	2.441	Sniff	—	≤30	#####	150,000	—	—	—	—	—	—	—	Restricted areas; Unable to measure full depth and Secchi disk depth (regarding water quality) due to freezing of the lake surface. Sediment survey location changed due to snow on the ground.		
122	Sakashita Dam	Okumama	2012/3/4	Clear	2.5	2.3	4.0	12	Dark olive	None	—	—	—	—	—	—	2.5	65.0	32.5	29.6	2.394	Sniff	—	≤30	5,000	6,800	—	—	—	—	—	—	—	Restricted areas		
123	Takikawa Dam	Kawauchi	2012/3/4	Sunny	-0.8	0.3	3.4	5	Dark olive	None	—	—	0.2	1.0	0.5	5.6	61.8	30.9	26.0	2.322	Sniff	—	≤30	#####	64,000	—	—	—	—	—	—	—	—	—	Restricted areas; Survey location changed to inflow area due to freezing of the lake surface and water quality and sediment surveys conducted.	
124	Kido Dam	Narahama	2012/3/4	Clear	3.8	0.3	5.4	5	Brownish black	None	—	—	3.8	21.7	38.4	31.3	7.7	2.1	77.5	2.661	Sand	—	≤30	120	170	—	—	—	—	—	—	—	—	Restricted areas; Survey location changed to inflow area due to freezing of the lake surface and water quality and sediment surveys conducted.		
126	Iwaki (farm pond)	Shimike	2012/2/25	Rain	4.4	0.5	4.3	5	Brownish black	None	—	—	1.8	4.5	13.4	57.7	11.5	7.6	3.8	81.7	2.603	Sniff with	—	≤30	210	300	—	—	—	—	—	—	—	—	Restricted areas; Survey location changed to inflow area due to freezing of the lake surface and water quality and sediment surveys conducted.	
127	Kodama Dam Reservoir	Iwakishi	2012/2/27	Sunny	0.8	58.7	5.5	10	Olive black	None	—	—	0.1	0.1	0.6	0.9	65.7	32.6	30.1	2.447	Sniff	—	≤30	760	950	—	—	—	—	—	—	—	—	—	—	
128	Iwaki (farm pond)	Kanorits	2012/2/27	Sunny	6.2	0.3	6.2	5	Dark brown	None	—	—	7.1	2.2	3.6	15.6	33.0	25.8	12.7	59.8	2.590	Sand with	—	≤30	490	710	—	—	—	—	—	—	—	—	Survey location changed due to lower water level and water quality and sediment surveys conducted.	
129	Takashiba Dam Reservoir	Iwakishi	2012/3/5	Rain	3.6	14.6	4.6	10	Olive black	None	—	—	—	—	—	—	3.0	64.6	32.4	39.9	2.621	Sniff	—	≤30	820	1,100	—	—	—	—	—	—	—	—	—	Since the water course to the previous survey locations was blocked by the oil fence, survey location changed to the floating pier and water quality survey conducted.
130	Shitoki Dam Reservoir	Iwakishi	2012/3/5	Rain	4.8	48.6	4.3	10	Dark olive brown	None	—	—	—	—	—	—	0.1	1.6	65.5	32.8	27.1	2.404	Sniff	—	≤30	1,400	1,900	—	—	—	—	—	—	—	—	—

Note: Sampling points are listed from north to south.

Lake and Headwater (Hamadori Area): 4th Surrounding Environment (Lake Shore) Monitoring Results

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					
						General items			Radioactive material concentrations					
			Color	Odor	Property	Radioactive iodine	Radioactive cesium Cs-134	Radioactive cesium Cs-137						
114	Soso (farm pond) Takei	Shinchimachi Town	2012/3/1	Sunny	11.8	Brownish black	Faint earth	Loamy	—	—	1,300	0.40	Unable to conduct water quality survey, soil sampling and air dose measurement due to much snow on the lake shore.	
115	Soso (farm pond) Uchizawa	Somashi City	2012/2/29	Snow	1.0	—	—	—	—	—	—	—		
117	Mano Dam	Itatemura Village	2012/3/5	Rain	0.5	—	—	—	—	—	—	—		
119	Takanokura Dam Reservoir	Minamisomashi City	2012/3/3	Cloudy	3.7	—	—	—	—	—	—	—		
120	Yokokawa Dam Reservoir	Minamisomashi City	2012/3/3	Sunny	1.9	—	—	—	—	—	—	—		
121	Osaki Dam	Namemachi Town	2012/3/4	Clear	1.1	Olive black	None	Loamy	<30	88,000	120,000	14.92	Former evacuation-prepared areas in case of emergency; Unable to collect soil and measure air dose due to much snow on the lake shore.	
122	Sakashita Dam	Okumamachi Town	2012/3/4	Clear	2.5	Brownish black	Faint green grass	Loamy	<30	7,400	10,000	1.81		
123	Takikawa Dam	Kawauchimura Village	2012/3/4	Sunny	-0.8	Brownish black	Faint earth	Loamy	<30	7,800	10,000	3.73	Restricted areas; Survey location changed to inflow area due to freezing of the lake surface and water quality and sediment surveys conducted	
124	Kido Dam	Narahamachi Town	2012/3/4	Clear	3.8	Dark brown	Faint earth	Loamy	<30	3,400	4,700	0.68	Restricted areas; Survey location changed to inflow area due to freezing of the lake surface, and water quality and sediment surveys conducted.	
126	Iwaki (farm pond)	Shimike	2012/2/25	Rain	4.4	Dark brown	None	Loamy	<30	1,000	1,300	0.37	Since the water course to the previous survey locations was blocked by the oilfence, survey location changed to the floating pier and water quality survey conducted.	
127	Kodama Dam Reservoir (Kodamako Lake)	Iwakishi City	2012/2/27	Sunny	0.8	Dark brown	Faint earth	Loamy	<30	120	170	0.13		
		1m from the bottom	—	—	—	—	—	—	—	—	—	—		
128	Iwaki (farm pond)	Kanoritsomashibito	2012/2/27	Sunny	6.2	Brownish black	None	Loamy	<30	690	940	0.29	Survey location changed due to lower water level and water quality and sediment surveys conducted.	
129	Takashiba Dam Reservoir (Takashibako Lake)	Iwakishi City	2012/3/5	Rain	3.6	Brownish black	Faint earth	Loamy	<30	1,300	1,800	0.34		
		1m from the bottom	—	—	—	—	—	—	—	—	—	—		
130	Shitoki Dam Reservoir	Iwakishi City	2012/3/5	Rain	4.8	Dark olive brown	None	Loamy	<30	1,200	1,600	0.45		
		1m from the bottom	—	—	—	—	—	—	—	—	—	—		

Note: • Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

• Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 4th Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Air temperature℃	Full depth m	Water quality											Remarks
No.	Point	Municipality					General items							Radioactive material				
							Water temperature℃	Sampling depth	Color	Odor	Secchi disk depth	Water turbidity	SS mg/l	y	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137	
131	Surikamigawa Dam Reservoir	Fukushima City	2012/2/29	Snow	-0.4	68.7	1.3	0.5	Dark green	None	3.3	5.8	1	2.1	<1	<1	<1	Survey location changed and soil sampling and air dose measurement conducted at other location due to much snow on the lake shore
	in from the bottom	—	—	—	—	—	1.9	67.7	—	None	—	5.8	3	3.5	<1	<1	<1	
133	県北 (farm pond)	Oike Pond	2012/2/28	Sunny	3.2	0.6	4.6	0.0	Brownish	None	0.6 or	8.9	2	3.2	<1	<1	<1	
135	Kenchu (farm pond)	Koriyamashi City	2012/3/1	Sunny	7.3	0.5	0.8	0.0	—	None	0.5 or	10.7	8	6.8	<1	<1	<1	Survey locations (for water quality, sediment and surrounding environment) changed to the other side due to freezing of the lake surface, and survey conducted
137	Kenchu (farm pond)	Hirodaira	2012/3/1	Sunny	4.7	0.6	4.7	0.0	Brownish	None	0.6 or	16.1	1	1.9	<1	<1	<1	Unable to collect soil and measure air dose due to much snow on the lake shore
139	Ken-nan (farm pond)	Yabukinichi Town	2012/3/2	Cloudy	4.1	0.4	4.0	0.0	Yellow green	None	0.4 or	22.1	2	4.4	<1	<1	<1	Survey location changed due to freezing of the lake surface and water quality survey conducted
140	Ken-nan (farm pond)	Izumikawa River	2012/3/3	Sunny	3.5	0.3	3.4	0.0	—	None	0.3 or	12.0	1	3.0	<1	<1	<1	Unable to collect soil and measure air dose due to much snow on the lake shore
142	Nanko Lake	Shirakawashi City	2012/3/3	Cloudy	5.8	1.5	4.6	0.0	—	None	1.5 or	16.1	4	5.0	<1	<1	<1	

Note: Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 4th Sediment Monitoring Results

Sampling point			Sampling date	Weather	Air temperature℃	Full depth m	Sediment															Remarks		
No.	Point	Municipality					General items										Radioactive material							
							Water temperature℃	Color	Odor	Microbial composition					Mud	Soil	Property	Radioactive iodine I-131	Radioactive cesium Cs-134	Cs-137				
131	Surikamigawa Dam Reservoir	Fukushima-shi City	2012/2/29	Sno	-0.4	68.7	1.4	S	—	—	0.6	2.7	8.7	65.4	19.2	3.4	76.1	2,660	Sand	<30	56	60	Survey location changed and soil sampling and air dose measurement conducted at other location due to much snow on the lake shore	
133	県北 (farm pond)	Oike Pond	2012/2/28	Sun	3.2	0.6	4.8	S	—	—	9.7	23.4	27.5	26.0	10.7	2.7	77.2	2,625	Sand with	<30	550	790		
135	Kenchu (farm pond)	Hounokusa	2012/3/1	Sun	7.3	0.5	5.9	S	—	—	3.8	4.4	12.2	29.0	19.1	21.0	64.4	2,581	Gravel/silt	<30	710	990	Survey locations (for water quality, sediment and surrounding environment) changed to the other side due to freezing of the lake surface, and survey conducted	
137	Kenchu (farm pond)	Hirodaira	2012/3/1	Sun	4.7	0.6	5.2	S	—	—	14.0	9.8	16.2	29.2	12.2	12.3	73.2	2,608	Sand with	<30	811	1100	Unable to collect soil and measure air dose due to much snow on the lake shore	
139	Ken-nan (farm pond)	Izumikawa River	2012/3/2	Cl	4.1	0.4	4.0	S	—	—	0.8	4.0	6.0	15.5	13.9	40.0	20.5	49.1	2,560	Silt with	<30	<10	17	Survey location changed due to freezing of the lake surface, and water quality survey conducted
140	Ken-nan (farm pond)	Izumikawa River	2012/3/3	Sun	3.5	0.3	5.0	S	—	—	22.9	18.3	18.2	25.6	8.9	4.0	2.1	75.9	2,657	Sand with	<30	260	400	Unable to collect soil and measure air dose due to much snow on the lake shore
142	Nanko Lake	Shirakawashi City	2012/3/3	Cl	5.8	1.5	4.7	10	—	—	—	—	0.2	2.4	5.9	60.8	30.7	18.6	2,297	Silt with	<30	1,400	1,800	

Note: Sampling points are listed from north to south.

Lake and Headwater (Nakadori Area): 4th Surrounding Environment (Lake Shore) Monitoring Results

Sampling point			Sampling date	Weather	Air temperature℃	Surrounding environment (soil and air dose)							Remarks
No.	Point	Municipality				Soil			Air dose (μSv/h)				
						General items			Radioactive material concentrations				
						Color	Odor	Property	Radioactive iodine	Radioactive cesium Cs-134	Radioactive cesium Cs-137		
131	Surikamigawa Dam Reservoir	Fukushima City	2012/2/29	Snow	-0.4	Dark	None	Loamy	<30	280	400	0.11	Survey location changed and soil sampling and air dose measurement conducted at other location due to much snow on the lake shore
		1 m from the bottom	—	—	—	—	—	—	—	—	—	—	
133	県北 (farm pond)	Oike Pond	2012/2/28	Sunny	3.2	Brownish	Faint earth	Loamy	<30	1,900	2,600	1.01	
135	Kenchu (farm pond)	Hounokusa	2012/3/1	Sunny	7.3	Olive	Faint earth	Clay-loamy	<30	2,100	3,000	0.57	Survey locations (for water quality, sediment and surrounding environment) changed to the other side due to freezing of the lake surface, and survey conducted
137	Kenchu (farm pond)	Hirodaira	2012/3/1	Sunny	4.7	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
139	Ken-nan (farm pond)	Watarike Pond	2012/3/2	Cloudy	4.1	Brownish	None	Loamy	<30	1,600	2,200	0.23	Survey location changed due to freezing of the lake surface, and water quality survey conducted
140	Ken-nan (farm pond)	Izumikawa River	2012/3/3	Sunny	3.5	—	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore
142	Nanko Lake	Shirakawashi City	2012/3/3	Cloudy	5.8	Dark	None	Clay-loamy	<30	1,200	1,700	0.42	

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

・ Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 4th Water Quality Monitoring Results

Sampling point			Sampling date	Weather	Air temperature℃	Full depth m	Water quality											Remarks
No.	Point	Municipality					General items						Radioactive material					
							Water temperature℃	Sampling depth/m	Color	Odor	Secchi disk depth/m	Transparency index	SS mg/L	Y	Radioactive iodine	Radioactive cesium Cs-134	Cs-137	
151	Inawashiroko Lake	Aizuwakamatsushi City	2012/3/2	Snow	2.0	97.2	2.1	0.5	Dark green	None	11.2	12.4	<1	0.3	<1	<1	<1	For surrounding environment (soil and air dose), see the survey results of bathing areas
	1 m from the bottom	—	—	—	—	—	3.4	96.2	—	None	—	12.4	<1	0.5	<1	<1	<1	
153	Numazawako Lake	Kaneyamamachi Town	2012/3/3	Cloudy	3.2	94.0	3.5	0.5	Dark green	None	9.8	5.2	<1	0.4	<1	<1	<1	Unable to collect soil and measure air dose due to much snow on the lake shore
	1 m from the bottom	—	—	—	—	—	3.9	93.0	—	None	—	5.3	1	3.1	<1	<1	<1	
155	Okawa Dam Reservoir	Aizuwakamatsushi City	2012/3/9	Rain	2.1	22.5	5.0	0.5	—	None	1.8	5.9	3	4.4	<1	<1	<1	Unable to collect soil and measure air dose due to much snow on the lake shore
	1 m from the bottom	—	—	—	—	—	4.6	21.5	—	None	—	7.1	3	4.4	<1	<1	<1	
158	Tajima Dam Reservoir (Funchanako Lake)	Minamiaizumachi Town	2012/3/2	Snow	3.1	16.0	1.8	0.0	Dark blue green	None	4.4	4.5	1	1.5	<1	<1	<1	Since much snow prevented the boat from entering the reservoir, survey location changed to dam site to conduct the water quality and sediment surveys. Unable to collect soil and measure air dose due to much snow on the lake shore
	1 m from the bottom	—	—	—	—	—	1.8	15.0	—	None	—	4.3	2	1.9	<1	<1	<1	

Note: Sampling points are listed from north to south.

Lake and Headwater (Aizu Area): 4th Sediment Monitoring Results

Sampling point			Sampling date	Weather	Air temperature(℃)	Full depth in m	Sediment															Remarks				
No.	Point	Municipality					General items										Radioactive material									
							Moist temperature(℃)	Moisture ratio(%)	Color	Odor	Coarse gravel	Medium gravel	Fine	Coars.	Medium sand	Fine sand	Silt	Clay	Moist content(%)	Property	Radioactive iodine Cs-134		Cs-137			
151	Inawashiroko Lake	Aizuwaka	2012/3/2	Sno	2.0	97.2	3.4	10	Black	None	—	—	—	—	—	1.2	66.0	32.8	19.1	2.449	Silt	<30	35	58	For surrounding environment (soil and air dose), see the survey results of bathing areas	
	1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
153	Numazawako Lake	Kaneyamamachi Town	2012/3/3	Clou	3.2	94.0	4.1	10	Black	Faint hydrogen sulfide	—	—	—	—	0.2	1.2	65.8	32.8	21.1	2.511	Silt	<30	<47	84	Unable to collect soil and measure air dose due to much snow on the lake shore	
	1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
155	Okawa Dam Reservoir	Aizuwakamatsushi City	2012/3/9	Rai	2.1	22.5	4.2	10	Olive black	None	—	—	—	—	0.1	1.0	2.3	64.2	32.4	33.4	2.529	Silt	<30	350	480	Unable to collect soil and measure air dose due to much snow on the lake shore
	1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
158	Tajima Dam Reservoir (Funchanako Lake)	Minamiaizumachi Town	2012/3/2	Sno	3.1	16.0	2.3	10	Blackish blue	None	—	—	0.9	21.5	17.1	17.7	6.6	24.0	12.2	46.0	2.510	Silt	<30	11	23	Since much snow prevented the boat from entering the reservoir, survey location changed to dam site to conduct the water quality and sediment surveys. Unable to collect soil and measure air dose due to much snow on the lake shore
	1 m from the bottom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

Note: Sampling points are listed from north to south.

Lake and Headwater (Aizu Area) : 4th Surrounding Environment (Lake Shore) Monitoring Results

Sampling point			Sampling date	Weather	Air temperature℃	Surrounding environment (soil and air dose)						Remarks	
No.	Point	Municipality				Soil			Radioactive material concentrations				Air dose (μSv/h)
						Color	Odor	Property	Radioactive iodine-131	Radioactive cesium Cs-134	Cs-137		
151	Inawashiroko Lake	Aizuwakamatsushi City	2012/3/2	Snow	2.0	—	—	—	—	—	—	For surrounding environment (soil and air dose), see the survey results of bathing areas	
	1 m from the bottom	—	—	—	—	—	—	—	—	—			
153	Numazawako Lake	Kaneyamamachi Town	2012/3/3	Cloudy	3.2	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
	1 m from the bottom	—	—	—	—	—	—	—	—	—			
155	Okawa Dam Reservoir	Aizuwakamatsushi City	2012/3/9	Rain	2.1	—	—	—	—	—	—	Unable to collect soil and measure air dose due to much snow on the lake shore	
	1 m from the bottom	—	—	—	—	—	—	—	—	—			
158	Tajima Dam Reservoir (Funchanako Lake)	Minamiaizumachi Town	2012/3/2	Snow	3.1	—	—	—	—	—	—	Since much snow prevented the boat from entering the reservoir, survey location changed to dam site to conduct the water quality and	
	1 m from the bottom	—	—	—	—	—	—	—	—	—			

Note: ・ Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

・ Sampling points are listed from north to south.

Coast and Bathing Area: 4th Water Quality Monitoring Results

Sampling point				Sampling date	Weather	Air temperature℃	Full depth m	Water quality											Remarks		
No.	Water body	Point	Municipality					General items							Radioactive material						
								Water temperature	Sampling depth	Color	Odor	Secchi disk depth	Salinity	SS mg/L	Turbidity	Radioactive iodine-131	Radioactive cesium Cs-134	Radioactive cesium Cs-137			
161	Sea area	Neighboring sea area of Sono	Approx. 2,000 m offshore of Tsurushihama Fishing Port	—	2012/3/14	Sunny	3.2	14.6	5.7	0.5	Dark green	None	3.3	31.5	2	3.3	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	—	6.1	13.6	—	None	—	—	32.0	9	9.5	<1	<1	<1	
162		Matsukawaura sea area	Around center of Fishing Right Area-1	—	2012/3/3	Sunny	4.8	2.1	5.4	0.5	Yellow green	None	2.1 or	32.2	2	2.8	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	—	5.5	1.1	—	None	—	—	32.2	3	3.5	<1	<1	<1	
163		Neighboring sea area of Sono	Approx. 2,000 m offshore of Managawa River	—	2012/3/14	Sunny	3.2	19.8	5.8	0.5	Dark green	None	2.5	31.9	4	5.2	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	—	6.0	18.8	—	None	—	—	32.8	10	11	<1	<1	<1	
164		Neighboring sea area of Hazamachi City	Approx. 1,000 m offshore of Nidagawa River	—	2012/3/14	Sunny	3.2	10.6	5.8	0.5	Dark green	None	2.0	31.8	5	6.7	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	—	5.8	9.6	—	None	—	—	32.2	13	8.0	<1	<1	<1	
165		Approx. 1,000 m offshore of Asamigawa River Estuary	1 m from the bottom	—	2012/3/2	Cloudy	3.8	11.2	6.4	0.5	Dark green	None	1.8	33.3	16	10	<1	<1	<1		
		1 m from the bottom	—	—	—	—	—	—	5.8	10.2	—	None	—	—	33.3	26	17	<1	<1	<1	
166	Approx. 1,000 m offshore of Ohisagawa River Estuary	1 m from the bottom	—	2012/3/2	Cloudy	4.0	10.8	6.2	0.5	Dark green	None	1.5	33.3	13	9.6	<1	<1	<1			
	1 m from the bottom	—	—	—	—	—	—	6.3	9.8	—	None	—	—	33.4	15	10	<1	<1	<1		
167	Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	—	2012/3/2	Cloudy	6.4	17.9	6.7	0.5	Grayish green	None	2.2	33.5	8	12	<1	<1	<1			
	1 m from the bottom	—	—	—	—	—	—	6.8	16.9	—	None	—	—	33.5	8	6.5	<1	<1	<1		
168	Onahama Port	Approx. 400 m north of Nishiboudai No. 2	—	2012/3/2	Cloudy	5.8	16.6	10.4	0.5	Grayish green	None	3.0	32.4	4	3.8	<1	<1	<1			
	1 m from the bottom	—	—	—	—	—	—	10.8	15.6	—	None	—	—	34.2	7	6.2	<1	<1	<1		
169	Johan coastal sea area	Approx. 1,000 m offshore of Bindagawa River	—	2012/3/2	Cloudy	7.2	18.3	11.8	0.5	Dark green	None	2.7	33.8	4	4.3	<1	<1	<1			
	1 m from the bottom	—	—	—	—	—	—	11.8	17.3	—	None	—	—	34.3	2	2.2	<1	<1	<1		
170	Bay	Tsurushihama Fishing Port	Tsurushihama Beach	Shiohama Town	2012/3/1	Sunny	8.4	0.6	6.1	0.0	Yellow green	None	—	12	10	<1	<1	<1			
171		Somakowan Bay	Haragama/Obama	Somashi City	2012/2/29	Snow	1.7	0.4	5.0	0.0	Yellow green	None	—	40	12	<1	<1	<1			
172		Kitazumichikukaigan Seashore	Kitazumi	Shimonoseki City	2012/3/3	Cloudy	3.8	0.5	5.6	0.0	Dark green	None	—	20	17	<1	<1	<1			
173		Hattachikaigan Seashore	Hisanohama Beach/Hattachi	Iwakishi City	2012/2/26	Cloudy	5.0	0.3	6.0	0.0	Colorless transparent	None	—	55	32	<1	<1	<1			
174		Yotsukurakaigan Seashore	Yotsukura	Iwakishi City	2012/2/26	Cloudy	3.8	0.3	6.0	0.0	Colorless transparent	None	—	71	29	<1	<1	<1			
175		Natsukaigan Seashore	Shimmaiko Beach	Iwakishi City	2012/2/27	Sunny	1.1	0.5	5.9	0.0	Colorless transparent	None	—	24	15	<1	<1	<1			
176		Ususokaigan Seashore	Usuiso	Iwakishi City	2012/2/28	Sunny	4.5	0.4	7.8	0.0	Grayish green	None	—	23	15	<1	<1	<1			
177		Tovomakaigan Seashore	Tovoma	Iwakishi City	2012/2/28	Sunny	6.1	0.5	8.7	0.0	Grayish green	None	—	20	13	<1	<1	<1			
178		Nagasakikaigan Seashore	Nagasaki	Iwakishi City	2012/2/28	Clear	4.0	0.3	10.5	0.0	Yellow green	None	—	10	4.6	<1	<1	<1			
179		Obamakagaigan Seashore	Obama	Iwakishi City	2012/2/26	Cloudy	6.4	0.5	11.8	0.0	Yellow green	None	—	22	16	<1	<1	<1			
180	Inland sea area	Nakosokaigan Seashore	Nakoso	Iwakishi City	2012/2/26	Cloudy	6.6	0.6	12.2	0.0	Yellow green	None	—	8	5.0	<1	<1	<1			
181		Inawashiroko Lake	Nagahama Beach	Inawashiro Town	2012/2/26	Snow	-1.0	0.4	3.1	0.0	Dark green	None	—	9	3.4	<1	<1	<1			
182		Inawashiroko Lake	Tenjinahama Beach	Inawashiro Town	2012/2/27	Cloudy	-2.6	—	—	—	—	—	—	—	—	—	—	—	Unable to conduct survey due to freezing of the lake shore and snow on the ground		
183		Inawashiroko Lake	Shidahama Beach	Inawashiro Town	2012/2/27	Cloudy	-1.9	0.6	0.5	0.0	Greenish brown	None	—	23	15	<1	<1	<1			
184		Inawashiroko Lake	Jokohama Beach	Inawashiro Town	2012/2/27	Snow	-3.3	0.3	0.9	0.0	Colorless transparent	None	—	6	5.5	<1	<1	<1			
185		Inawashiroko Lake	Hamaohama Beach	Koriyama City	2012/2/27	Cloudy	-3.0	0.4	0.2	0.0	Colorless transparent	None	—	1	1.5	<1	<1	<1			
186		Inawashiroko Lake	Yokozawahama Beach	Koriyama City	2012/2/27	Cloudy	-2.3	0.4	0.4	0.0	Colorless transparent	None	—	3	2.7	<1	<1	<1			
187		Inawashiroko Lake	Tatehama Beach	Koriyama City	2012/2/27	Cloudy	-1.8	0.5	0.8	0.0	Colorless transparent	None	—	5	5.0	<1	<1	<1			
188		Inawashiroko Lake	Funatsuhama Beach	Koriyama City	2012/2/26	Cloudy	-3.2	0.3	2.6	0.0	Colorless transparent	None	—	12	7.4	<1	<1	<1			
189		Inawashiroko Lake	Funatsukoen Park	Koriyama City	2012/2/26	Snow	-2.9	0.2	2.0	0.0	Colorless transparent	None	—	3	2.4	<1	<1	<1			
190	Inland sea area	Inawashiroko Lake	Seishogahama Beach	Koriyama City	2012/2/26	Cloudy	-3.1	0.3	3.4	0.0	Greenish brown	None	—	18	14	<1	<1	<1			
191		Inawashiroko Lake	Akivamahama Beach	Koriyama City	2012/2/26	Cloudy	-2.9	0.3	4.9	0.0	Colorless transparent	None	—	12	4.6	<1	<1	<1			
192		Inawashiroko Lake	Sekkahama Beach	Aizuwakamatsu	2012/2/26	Snow	-1.4	0.3	3.0	0.0	Colorless transparent	None	—	2	1.5	<1	<1	<1			
193		Inawashiroko Lake	Nakatahama Beach	Aizuwakamatsu	2012/2/26	Cloudy	-1.2	0.3	2.6	0.0	Colorless transparent	None	—	1	0.7	<1	<1	<1			
194		Inawashiroko Lake	Koishigahama Beach	Aizuwa	2012/2/26	Snow	-0.4	0.3	2.9	0.0	Colorless transparent	None	—	<1	0.1	<1	<1	<1			

Note: Sampling points are listed from north to south.

Coast and Bathing Area: 4th Sediment Monitoring Results

Sampling point				Sampling date	Weather	Water temperature (°C)	Full depth (m)	Sediment																	Remarks	
No.	Water body	Point	Municipality					General items																		
				Mechanical composition																	Radioactive material concentrations (Bq/kg (dried matter))					
				Coarse gravel	Medium gravel	Fine gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Moisture (%)	Organic matter (%)	Property	Radioactive cesium Cs-134	Radioactive cesium Cs-137										
161	Neighboring sea area of Sase	Approx. 1,000 m offshore of Tsubakihama Fishing Port	—	2012/3/14	Sunny	3.2	14.6	5.5	3	Dark olive	None	—	—	—	0.2	1.8	77.5	13.7	6.8	73.9	2,641	Sand	<30	15	23	
162	Manukawara sea area	Around center of Fishing Right Area-1	—	2012/3/3	Sunny	4.8	2.1	5.5	5	Olive black	None	—	—	—	3.1	96.2	—	0.7	75.6	2,662	Sand	<30	<10	15		
163	Neighboring sea area of Sase	Approx. 2,000 m offshore of Misaki Bay	—	2012/3/14	Sunny	3.2	19.8	5.8	3	Dark olive	None	—	—	—	13.2	73.9	8.7	4.2	79.9	2,705	Sand	<30	16	20		
164	Neighboring sea area of Iwakuchi City	Approx. 1,000 m offshore of Onosagawa River	—	2012/3/14	Sunny	3.2	10.6	5.2	3	Grayish olive	None	—	—	—	0.1	1.8	55.6	41.6	0.9	85.4	2,721	Sand	<30	18	26	
165	Approx. 1,000 m offshore of Asanogawa River Estuary	1 m from the bottom	—	2012/3/2	Cloudy	3.8	11.2	5.8	3	Olive black	None	—	—	—	0.1	0.9	92.7	4.3	2.0	78.5	2,679	Sand	<30	200	280	
166	Approx. 1,000 m offshore of Onosagawa River Estuary	1 m from the bottom	—	2012/3/2	Cloudy	4.0	10.8	6.3	3	Dark gray olive	None	—	—	—	0.2	0.0	0.4	96.1	3.3	78.9	2,696	Sand	<30	85	120	
167	Neighboring sea area of Iwakuchi City	Approx. 1,000 m offshore of Onosagawa River	—	2012/3/2	Cloudy	6.4	17.9	6.7	5	Olive black	None	—	—	—	0.1	0.0	0.1	0.4	95.1	4.3	78.2	2,683	Sand	<30	93	130
168	Onahama Port	Approx. 400 m north of Nishibouhutsu No. 2	—	2012/3/2	Cloudy	5.8	16.6	10.8	10	Olive black	None	—	—	—	1.2	65.5	22.1	11.2	59.1	2,601	Silt with sand	<30	56	100		
169	Iburi coastal sea area	Approx. 1,000 m offshore of Onosagawa River	—	2012/3/2	Cloudy	7.2	18.3	11.8	5	Olive black	None	—	—	—	0.4	3.9	77.1	12.5	6.1	71.6	2,646	Sand	<30	110	150	
170	Iwakuchi Fishing Port	Iwakuchi Beach	Iwakuchi Town	2012/3/1	Sunny	8.4	0.6	8.1	5	Dark yellowish brown	None	—	—	—	0.8	89.7	9.1	0.4	87.0	2,656	Sand	<30	<10	<10		
171	Somakowan Bay	Haragawa/Obama	Somakushi City	2012/2/29	Snow	1.7	0.4	4.6	5	Dark grayish olive	None	—	—	—	0.1	14.0	85.8	0.1	80.3	2,666	Sand	<30	<10	13		
172	Kitaizumichikukangan Seashore	Kitaizumi	Miyakoshi City	2012/3/3	Cloudy	3.8	0.5	6.4	5	Dark grayish olive	None	—	—	—	0.1	68.7	30.3	0.9	80.7	2,669	Sand	<30	24	32		
173	Hatachikagan Seashore	Hisanohama Beach/Hatachi	Iwakuchi City	2012/2/26	Cloudy	5.0	0.3	6.0	5	Dark brown	None	—	—	—	10.6	70.4	4.6	11.9	0.4	85.9	2,676	Sand with gravel	<30	94	130	
174	Yotsukurakagan Seashore	Yotsukura	Iwakuchi City	2012/2/26	Cloudy	3.8	0.3	5.6	5	Dark olive	None	—	—	—	—	24.6	75.1	0.3	82.2	2,700	Sand	<30	63	88		
175	Natsukukagan Seashore	Shinmaki Beach	Iwakuchi City	2012/2/27	Sunny	1.1	0.5	4.3	5	Dark yellowish brown	None	—	—	—	4.0	40.1	48.2	6.5	1.2	81.6	2,639	Sand	<30	17	26	
176	Ususokukagan Seashore	Ususo	Iwakuchi City	2012/2/28	Sunny	4.5	0.4	8.6	10	Grayish olive	None	—	—	—	—	15.4	84.4	0.2	82.1	2,710	Sand	<30	100	120		
177	Iyomakukagan Seashore	Iyoma	Iwakuchi City	2012/2/28	Sunny	6.1	0.5	9.6	10	Olive black	None	—	—	—	0.1	1.5	29.0	69.1	0.3	81.0	2,696	Sand	<30	57	86	
178	Nagasakikagan Seashore	Nagasaki	Iwakuchi City	2012/2/28	Clear	4.0	0.3	10.2	12	Grayish olive	None	—	—	—	—	5.6	94.2	0.2	77.1	2,650	Sand	<30	98	120		
179	Obamakukagan Seashore	Obama	Iwakuchi City	2012/2/26	Cloudy	6.4	0.5	10.9	5	Dark olive brown	None	—	—	—	0.2	12.2	34.9	49.8	2.9	77.2	2,633	Sand	<30	23	43	
180	Nakosokukagan Seashore	Nakoso	Iwakuchi City	2012/2/26	Cloudy	6.6	0.6	11.8	5	Yellowish gray	None	—	—	—	—	38.9	60.4	0.7	79.0	2,659	Sand	<30	27	46		
181	Inawashiroko Lake	Nagahama Beach	Iwakuchi Town	2012/2/26	Snow	-1.0	0.4	3.0	3	Brownish black	None	—	—	—	3.6	13.7	21.8	13.0	45.7	2.2	76.5	2,558	Sand with gravel	<30	58	84
182	Inawashiroko Lake	Tenjinham Beach	Iwakuchi Town	2012/2/27	Cloudy	-2.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
183	Inawashiroko Lake	Shidohama Beach	Iwakuchi Town	2012/2/27	Cloudy	-1.9	0.6	0.0	5	Dark brown	None	—	—	—	1.9	18.2	63.0	15.9	0.4	0.6	78.8	2,710	Sand with gravel	<30	29	36
184	Inawashiroko Lake	Jokohama Beach	Iwakuchi Town	2012/2/27	Snow	-3.3	0.3	-0.1	3	Dark brown	None	—	—	—	7.6	12.6	41.4	37.8	0.4	0.2	80.4	2,651	Sand	<30	57	98
185	Inawashiroko Lake	Hamajihama Beach	Iwakuchi Town	2012/2/27	Cloudy	-3.0	0.4	-0.1	3	Dark brown	None	—	—	—	—	—	18.7	81.1	0.2	75.5	2,614	Sand	<30	34	62	
186	Inawashiroko Lake	Yokozawahama Beach	Iwakuchi Town	2012/2/27	Cloudy	-2.3	0.4	0.5	3	Brownish black	None	—	—	—	4.1	5.4	8.8	54.9	26.1	0.7	79.4	2,664	Sand with gravel	<30	<10	16
187	Inawashiroko Lake	Iatehama Beach	Iwakuchi Town	2012/2/27	Cloudy	-1.8	0.5	1.1	5	Dark brown	None	—	—	—	—	3.6	2.2	30.9	63.1	0.2	74.6	2,666	Sand with gravel	<30	35	69
188	Inawashiroko Lake	Funatsuhama Beach	Iwakuchi Town	2012/2/26	Cloudy	-3.2	0.3	2.3	3	Brownish black	None	—	—	—	5.6	18.3	15.8	54.6	5.6	0.1	81.8	2,663	Sand with gravel	<30	54	73
189	Inawashiroko Lake	Funatsukoen Park	Iwakuchi Town	2012/2/26	Snow	-2.9	0.2	1.8	3	Brownish black	None	—	—	—	3.3	18.5	34.3	43.0	0.8	0.1	83.0	2,633	Sand with gravel	<30	61	81
190	Inawashiroko Lake	Seishogahama Beach	Iwakuchi Town	2012/2/26	Cloudy	-3.1	0.3	3.0	5	Dark brown	None	—	—	—	1.9	13.1	68.2	16.6	0.1	0.1	81.2	2,632	Sand with gravel	<30	21	34
191	Inawashiroko Lake	Akiyamahama Beach	Iwakuchi Town	2012/2/26	Cloudy	-2.9	0.3	4.7	3	Brownish black	None	—	—	—	3.1	4.1	11.4	51.5	25.7	4.2	73.7	2,703	Sand with gravel	<30	24	37
192	Inawashiroko Lake	Sekkahama Beach	Aizawa-kamatsuri	2012/2/26	Snow	-1.4	0.3	3.1	3	Brownish black	None	—	—	—	16.0	15.6	15.6	34.4	17.9	0.5	82.5	2,731	Sand with gravel	<30	50	72
193	Inawashiroko Lake	Nakatahama Beach	Aizawa-kamatsuri	2012/2/26	Cloudy	-1.2	0.3	1.1	3	Dark brown	None	—	—	—	7.6	13.3	51.9	22.1	4.6	0.5	79.8	2,652	Sand with gravel	<30	<10	<10
194	Inawashiroko Lake	Koishigahama Beach	Aizawa-kamatsuri	2012/2/26	Snow	-0.4	0.3	2.8	3	Brown	None	—	—	—	0.3	0.6	0.4	6.8	90.4	1.5	74.2	2,645	Sand with gravel	<30	64	100

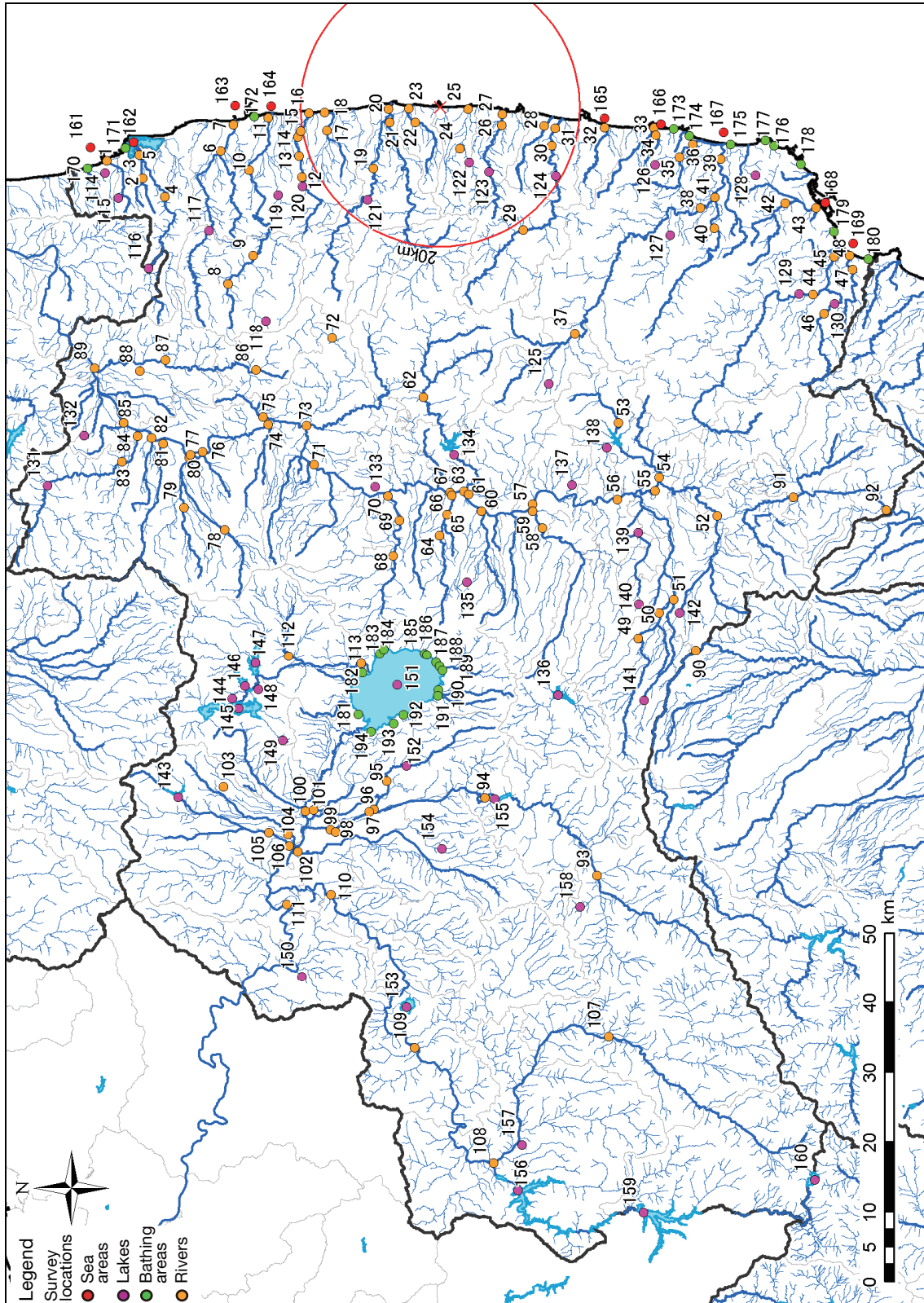
Note: Sampling points are listed from north to south.

Coast and Bathing Area: 4th Surrounding Environment (Beach) Monitoring Results

Sampling point				Sampling date	Weather	Air temperature (°C)	Surrounding environment (soil and air dose)						Remarks	
No.	Water body	Point	Municipality				Soil			Air dose (μSv/h)				
							Color	Odor	Property		Radioactive material concentrations (Bq/kg (dry))	Radioactive cesium Cs-134		Radioactive cesium Cs-137
161	Sea area	Neighboring sea area of Soso	Approx. 2,000 m offshore of Tsurubhama Fishing Port	—	2012/3/14	Sunny	3.2	—	—	—	—	—	—	—
162		Matsukawaura sea area	1 m from the bottom	—	2012/3/3	Sunny	4.8	—	—	—	—	—	—	—
163			Around center of Fishing Right Area-1	—	2012/3/14	Sunny	3.2	—	—	—	—	—	—	—
164		Neighboring sea area of Hamauchi City	1 m from the bottom	—	2012/3/14	Sunny	3.2	—	—	—	—	—	—	—
165			Approx. 1,000 m offshore of Asamigawa River Estuary	—	2012/3/2	Cloudy	3.8	—	—	—	—	—	—	—
166		Approx. 1,000 m offshore of Ohisagawa River Estuary	1 m from the bottom	—	2012/3/2	Cloudy	4.0	—	—	—	—	—	—	—
167			Neighboring sea area of Iwakishi City	Approx. 1,500 m offshore of Natsugawa River	—	2012/3/2	Cloudy	6.4	—	—	—	—	—	—
168		Onahama Port	1 m from the bottom	—	2012/3/2	Cloudy	5.8	—	—	—	—	—	—	—
169			Approx. 400 m north of Nishibouhatei No. 2	—	2012/3/2	Cloudy	5.8	—	—	—	—	—	—	—
170		Johm coastal sea area	1 m from the bottom	—	2012/3/2	Cloudy	7.2	—	—	—	—	—	—	—
171	Approx. 1,000 m offshore of Bindagawa River		—	2012/3/2	Cloudy	7.2	—	—	—	—	—	—	—	
172	Bay area	Tsurubhama Fishing Port	Tsurubhama Beach	Shiohama Town	2012/3/1	Sunny	8.4	Grayish olive	Faint earth	Sandy	<30	<10	<10	0.05
173		Somakowan Bay	Haragama/Obama	Somashi City	2012/2/29	Snow	1.7	—	—	—	—	—	—	—
174		Kitaizumichikukaigan Seashore	1 m from the bottom	—	2012/3/3	Cloudy	3.8	Dark grayish yellow	None	Sandy	<30	16	24	0.05
175			Hattachikaigan Seashore	Hisanohama Beach/Hattachi	Iwakishi City	2012/2/26	Cloudy	5.0	Grayish yellow brown	None	Sandy	<30	63	100
176		Yotsukurakaigan Seashore	1 m from the bottom	—	2012/2/26	Cloudy	3.8	Grayish yellow brown	None	Sandy	<30	490	650	0.27
177			Natsukaigan Seashore	Shinmaiko Beach	Iwakishi City	2012/2/27	Sunny	1.1	Grayish yellow brown	None	Sandy	<30	27	40
178		Ususokaigan Seashore	1 m from the bottom	—	2012/2/28	Sunny	4.5	Gray	None	Sandy	<30	89	110	0.11
179			Tovomakaigan Seashore	Tovoma	Iwakishi City	2012/2/28	Sunny	6.1	Olive black	None	Sandy	<30	23	29
180		Nagasakikaigan Seashore	1 m from the bottom	—	2012/2/28	Clear	4.0	Gray	None	Sandy	<30	67	110	0.07
181			Obamakagaigan Seashore	Obama	Iwakishi City	2012/2/26	Cloudy	6.4	Dark yellowish brown	Faint earth	Sandy	<30	33	49
182	Bay area	Nakosokaigan Seashore	Nakoso	Iwakishi City	2012/2/26	Cloudy	6.6	Gray	Faint earth	Sandy	<30	99	170	0.14
183		Inawashiroko Lake	1 m from the bottom	—	2012/2/26	Snow	-1.0	—	—	—	—	—	—	—
184			Nagahama Beach	Nagahama Town	2012/2/27	Cloudy	-2.6	—	—	—	—	—	—	—
185		Inawashiroko Lake	1 m from the bottom	—	2012/2/27	Cloudy	-1.9	—	—	—	—	—	—	—
186			Shidabama Beach	Nagahama Town	2012/2/27	Snow	-3.3	—	—	—	—	—	—	—
187		Inawashiroko Lake	1 m from the bottom	—	2012/2/27	Cloudy	-3.0	—	—	—	—	—	—	—
188			Jokohama Beach	Nagahama Town	2012/2/27	Cloudy	-2.3	—	—	—	—	—	—	—
189		Inawashiroko Lake	1 m from the bottom	—	2012/2/27	Cloudy	-1.8	—	—	—	—	—	—	—
190			Tatehama Beach	Nagahama Town	2012/2/26	Cloudy	-3.2	—	—	—	—	—	—	—
191		Inawashiroko Lake	1 m from the bottom	—	2012/2/26	Snow	-2.9	—	—	—	—	—	—	—
192	Funatsuhama Beach		Nagahama Town	2012/2/26	Cloudy	-3.1	—	—	—	—	—	—	—	
193	Inawashiroko Lake	1 m from the bottom	—	2012/2/26	Cloudy	-2.9	—	—	—	—	—	—	—	
194		Funatsukoen Park	Nagahama Town	2012/2/26	Snow	-1.4	—	—	—	—	—	—	—	
195	Inawashiroko Lake	1 m from the bottom	—	2012/2/26	Cloudy	-1.2	—	—	—	—	—	—	—	
196		Seishogahama Beach	Nagahama Town	2012/2/26	Snow	-0.4	—	—	—	—	—	—	—	
197	Inawashiroko Lake	1 m from the bottom	—	2012/2/26	Cloudy	-1.4	—	—	—	—	—	—	—	
198		Akiyamahama Beach	Nagahama Town	2012/2/26	Cloudy	-2.9	—	—	—	—	—	—	—	
199	Inawashiroko Lake	1 m from the bottom	—	2012/2/26	Snow	-1.4	—	—	—	—	—	—	—	
200		Sekkahama Beach	Azusa-Kamatsu	2012/2/26	Cloudy	-1.2	—	—	—	—	—	—	—	
201	Inawashiroko Lake	1 m from the bottom	—	2012/2/26	Cloudy	-1.2	—	—	—	—	—	—	—	
202		Nakatahama Beach	Azusa-Kamatsu	2012/2/26	Snow	-0.4	—	—	—	—	—	—	—	
203	Inawashiroko Lake	1 m from the bottom	—	2012/2/26	Cloudy	-1.2	—	—	—	—	—	—	—	
204		Koishigahama Beach	Azusa-Kamatsu	2012/2/26	Snow	-0.4	—	—	—	—	—	—	—	

Note: • Air dose was measured with a survey meter, TCS-172 or TCS-161 of Hitachi-Aloka Medical, Ltd.

• Sampling points are listed from north to south.



Survey Locations (Fukushima Prefecture)