



[Coverage]

Whole Area of Fukushima, Miyagi, Ibaraki, Tochigi and Gunma Prefectures, and part of Iwate and Chiba Prefectures, etc.

[Monitoring points]

602 locations

[Radionuclide analyses]

< Samples >

Water, sediments and surrounding soil (rivers and lakes)

< Analyzed radionuclides >

Radioactive cesium
Radioactive strontium (only for some water and sediment samples)

[Frequencies]

Twice to 10 times a year depending on the contamination status, etc.



(River: water sampling)



(Lake: sediments sampling)

Results of the FY2016 Radioactive Material Monitoring in the Water Environment (Public Water Areas) by the Ministry of the Environment
http://www.env.go.jp/jishin/monitoring/results_r-pw-h28.html (in Japanese)

Radioactive material monitoring was conducted at rivers, lakes and coastal areas in locations centered on Fukushima Prefecture, such as Miyagi and Ibaraki Prefectures, where contamination with radioactive materials was suspected.

In FY2016, monitoring covered 602 locations and analysis was conducted for radioactive cesium and strontium in water, etc.

[Monitoring results of radioactive cesium concentrations in water]

River water samples (2,004 samples): Radioactive cesium was not detected in any samples except for three collected at three locations in Fukushima Prefecture.

Lake water samples (1,352 samples): Radioactive cesium was not detected in any samples except for 34 collected at 13 locations in the Hamadori District, Fukushima Prefecture.

Water samples collected in coastal areas (534 samples): Radioactive cesium was not detected in any samples.

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Updated on February 28, 2018

Distribution of Radioactive Cesium Concentrations in River Sediments (FY2016)

Radioactive cesium concentrations [Bq/kg(dry)]	Number of collected samples												Total	Percentage
	Iwate Prefecture	Miyagi Prefecture	Fukushima Prefecture, Hamadori District	Fukushima Prefecture, Nakadori District	Fukushima Prefecture, Aizu District	Ibaraki Prefecture	Tochigi Prefecture	Gunma Prefecture	Chiba Prefecture	Saitama Prefecture	Tokyo Metropolis			
Less than 1,000	80	195	257	320	155	207	278	212	186	8	8	1,906	95.3%	
1,000 or more but less than 2,000	0	1	39	4	0	5	0	1	8	0	0	58	2.9%	
2,000 or more but less than 3,000	0	0	16	0	0	0	0	0	5	0	0	21	1.1%	
3,000 or more but less than 4,000	0	0	6	0	0	0	0	0	0	0	0	6	0.3%	
4,000 or more but less than 5,000	0	0	3	0	0	0	0	0	1	0	0	4	0.2%	
5,000 or more but less than 10,000	0	0	5	0	0	0	0	0	0	0	0	5	0.3%	
10,000 or more	0	0	0	0	0	0	0	0	0	0	0	0	0.0%	
Total	80	196	326	324	155	212	278	213	200	8	8	2,000		

FY2016 Radioactive Material Monitoring in the Water Environment (Environmental Management Bureau, Ministry of the Environment)

Radioactive cesium concentrations in river sediments were measured in FY2016 as in the previous year.

A total of 2,000 samples, including 805 samples collected in Fukushima Prefecture and others collected in Iwate, Miyagi, Ibaraki, Tochigi, Gunma, Chiba and Saitama Prefectures and the Tokyo Metropolis, were surveyed.

The survey results showed that concentrations of radioactive cesium detected in approx. 95% of these samples were less than 1,000 Bq/kg(dry).

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Distribution of Radioactive Cesium Concentrations in Lake and Reservoir Sediments (FY2016)

Radioactive cesium concentrations [Bq/kg(dry)]	Number of collected samples									Percentage
	Miyagi Prefecture	Fukushima Prefecture, Hamadori District	Fukushima Prefecture, Nakadori District	Fukushima Prefecture, Aizu District	Ibaraki Prefecture	Tochigi Prefecture	Gunma Prefecture	Chiba Prefecture	Total	
Less than 1,000	61	55	29	142	65	29	69	26	476	58.0%
1,000 or more but less than 2,000	10	32	18	12	8	3	23	2	108	13.2%
2,000 or more but less than 3,000	2	15	9	10	3	0	4	4	47	5.7%
3,000 or more but less than 4,000	3	13	6	9	0	0	0	0	31	3.8%
4,000 or more but less than 5,000	0	15	2	5	0	0	0	0	22	2.7%
5,000 or more but less than 10,000	0	36	7	6	0	0	0	0	49	6.0%
10,000 or more	0	86	0	2	0	0	0	0	88	10.7%
Total	76	252	71	186	76	32	96	32	821	

FY2016 Radioactive Material Monitoring in the Water Environment (Environmental Management Bureau, Ministry of the Environment)

Radioactive cesium concentrations in lake and reservoir sediments were measured in FY2016 as in the previous year.

A total of 821 samples, including 509 samples collected in Fukushima Prefecture and others collected in Miyagi, Ibaraki, Tochigi, Gunma and Chiba Prefectures, were surveyed.

The survey results showed that concentrations of radioactive cesium detected in approx. 81% of these samples were less than 4,000 Bq/kg(dry).

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Distribution of Radioactive Cesium Concentrations in Coastal Area Sediments (FY2016)

Radioactive cesium concentrations [Bq/kg(dry)]	Number of collected samples							Percentage
	Iwate Prefecture	Miyagi Prefecture	Fukushima Prefecture	Ibaraki Prefecture	Chiba Prefecture	Tokyo Metropolis	Total	
Less than 1,000	4	52	150	20	23	18	267	100.0%
1,000 or more but less than 2,000	0	0	0	0	0	0	0	0.0%
2,000 or more but less than 3,000	0	0	0	0	0	0	0	0.0%
3,000 or more but less than 4,000	0	0	0	0	0	0	0	0.0%
4,000 or more but less than 5,000	0	0	0	0	0	0	0	0.0%
5,000 or more but less than 10,000	0	0	0	0	0	0	0	0.0%
10,000 or more	0	0	0	0	0	0	0	0.0%
Total	4	52	150	20	23	18	267	

FY2016 Radioactive Material Monitoring in the Water Environment (Environmental Management Bureau, Ministry of the Environment)

Radioactive cesium concentrations in sediments in coastal areas were measured in FY2016 as in the previous year.

A total of 267 sediment samples collected in coastal areas, including 150 samples collected in Fukushima Prefecture and others collected in Iwate, Miyagi, Ibaraki, Chiba Prefectures and the Tokyo Metropolis, were surveyed.

The survey results showed that concentrations of radioactive cesium detected in all of these samples were less than 1,000 Bq/kg(dry).

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