

(News Release)
The Results of the Measurement of Radioactive Material Concentrations
in Water Quality Monitoring Surveys
Conducted for Surface Water within Fukushima Prefecture

In response to the Great East Japan Earthquake, the Ministry of the Environment (MOE) is emergently conducting water quality monitoring surveys of hazardous substances, etc. in surface water bodies in the disaster-afflicted areas.

For rivers in Fukushima Prefecture, in addition to the survey of hazardous substances, MOE monitored the concentrations of radioactive materials in water and sediment (survey dates: May 26-29).

This survey was conducted in coordination with the Ministry of Land, Infrastructure, Transport and Tourism (survey date: May 24).

Outline of results

(1) River water quality

For all locations tested measured, both radioactive iodine (I-131) and radioactive cesium (Cs-134, Cs-137) were not detectable (detection limits: 10Bq/L).

(2) River sediment

Radioactive iodine was detected at some locations in the following range:

I-131: Not detectable-65Bq/kg (dried mud) (Detection limit: 30Bq/kg).

Radioactive cesium was detected at all locations in the range of the following:

Cs-134: 48-14,000Bq/kg (dried mud)

Cs-137: 51-16,000Bq/kg (dried mud)

(Detection limit: 30Bq/kg)

(Annex for details)

○Survey Results
River Water Quality

(Annex)

Area	Sampling point (29)		Sampling Date	Radioactive material concentration (Bq/L)				Remarks	
	River	Point		I-131	Cs		Other detected nuclides		
					Cs-134	Cs-137			
H a m a d o r i	Jizogawa River	Hamahatabashi Bridge	2014/5/29	ND	ND	ND	ND		
	Koizumigawa River	Hyakkenbashi Bridge	2014/5/29	ND	ND	ND	ND		
	Udagawa River	Hyakkenbashi Bridge	2014/5/29	ND	ND	ND	ND		
	Manogawa River	Majimabashi Bridge	2014/5/29	ND	ND	ND	ND		
	Niidagawa River	Kusano		2014/5/28	ND	ND	ND	ND	
			Komiya	2014/5/28	ND	ND	ND	ND	
			Kidouchibashi Bridge	2014/5/29	ND	ND	ND	ND	
			Sakekawabashi Bridge	2014/5/29	ND	ND	ND	ND	
	Asamigawa River	Bodabashi Bridge	2014/5/28	ND	ND	ND	ND		
	Ohisagawa River	Kageisobashi Bridge	2014/5/28	ND	ND	ND	ND		
	Niidagawa River	Matsubabashi Bridge	2014/5/28	ND	ND	ND	ND		
	Natsugawa River	Kitanouchibashi Bridge	2014/5/26	ND	ND	ND	ND		
		Rokujumabashi Bridge	2014/5/28	ND	ND	ND	ND		
	Fujiwaragawa River	Minatoohashi Bridge	2014/5/28	ND	ND	ND	ND		
	Samegawa River	Samegawabashi Bridge	2014/5/28	ND	ND	ND	ND		
	Bindagawa River	Bindabashi Bridge	2014/5/28	ND	ND	ND	ND		
N a k a d o r i	Abukumagawa River	Taishobashi Bridge	2014/5/24	ND	ND	ND	ND	* Surveyed by MLIT	
		Akutsobashi Bridge	2014/5/24	ND	ND	ND	ND	* Surveyed by MLIT	
	Hirosegawa River	Before the confluence with Abukumagawa River	2014/5/24	ND	ND	ND	ND	* Surveyed by MLIT	
		Upperstream of Tatenokoshibashi	2014/5/26	ND	ND	ND	ND		
	Surikamigawa River	Before the confluence with Abukumagawa River	2014/5/24	ND	ND	ND	ND	* Surveyed by MLIT	
	Arakawa River	Before the confluence with Abukumagawa River	2014/5/24	ND	ND	ND	ND	* Surveyed by MLIT	
	Utsushigawa River	Osegawabashi Bridge	2014/5/26	ND	ND	ND	ND		
	Utsushigawa River (Kuchibutogawa River)	Kuchibutogawabashi Bridge	2014/5/26	ND	ND	ND	ND		
	Gohyakugawa River	Before the confluence with Abukumagawa River	2014/5/26	ND	ND	ND	ND		
	Ousegawa River	Before the confluence with Abukumagawa River	2014/5/26	ND	ND	ND	ND		
	Otakegawa River	Before the confluence with Abukumagawa River	2014/5/26	ND	ND	ND	ND		
	Shakadogawa River	Before the confluence with Abukumagawa River	2014/5/24	ND	ND	ND	ND	* Surveyed by MLIT	
	Yashirogawa River	Ojibashi Bridge	2014/5/26	ND	ND	ND	ND		

*ND denotes the readings below the detection limit (10Bq/L) for radioactive material concentration.

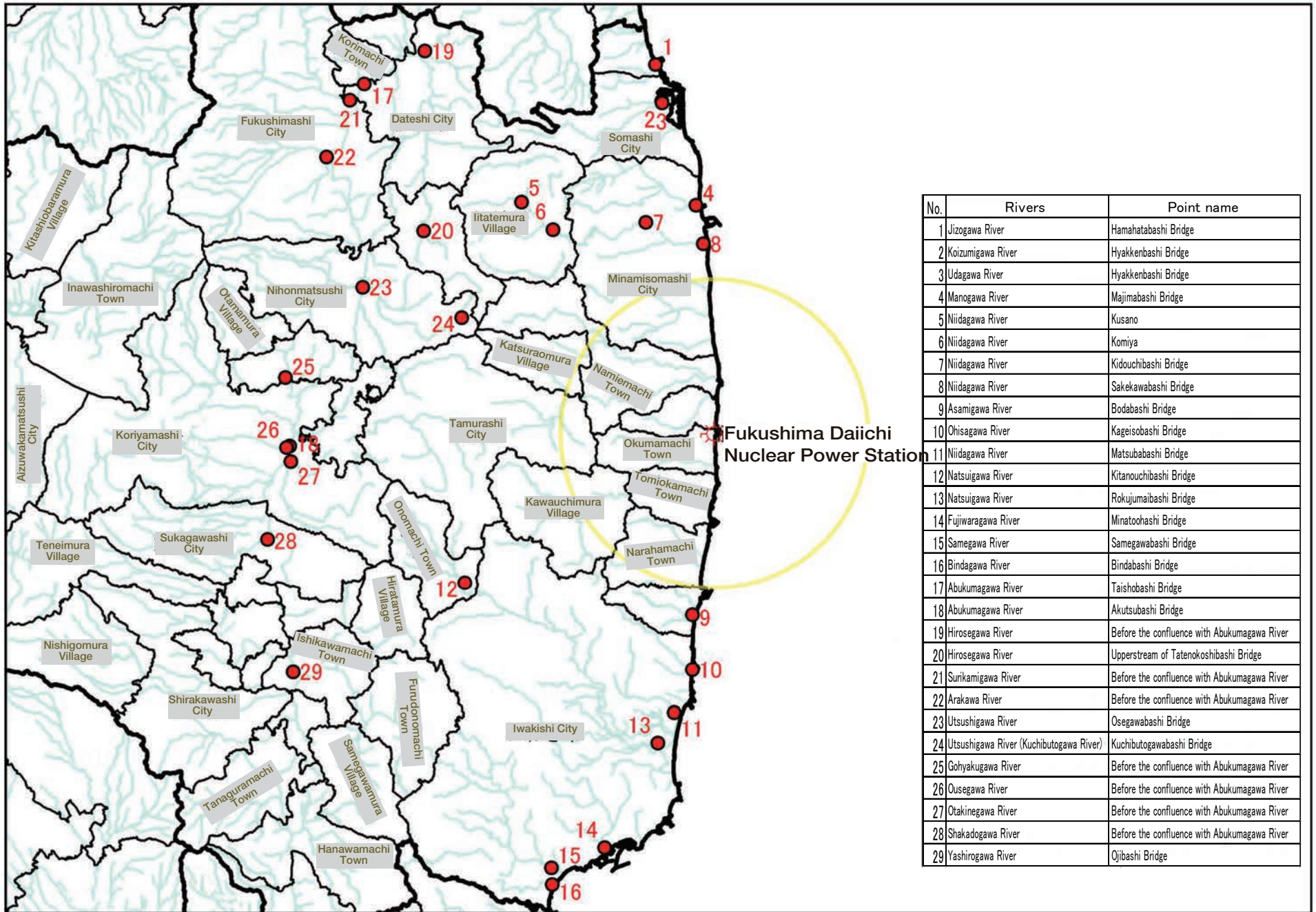
River Sediment

Area	Sampling point (29)		Sampling Date	Property	Radioactive material concentration (Bq/Lkg)			Remarks	
	River	Point			I-131	Cs			Other detected nuclides
						Cs-134	Cs-137		
H a m a d o r i	Jizogawa River	Hamahatabashi Bridge	2014/5/29	Fine sand with silt	ND	2,000	2,300	ND	
	Koizumigawa River	Hyakkenbashi Bridge	2014/5/29	Fine sand with granule	ND	660	700	ND	
	Udagawa River	Hyakkenbashi Bridge	2014/5/29	Sand with gravel	ND	48	51	ND	
	Manogawa River	Majimabashi Bridge	2014/5/29	Silt with fine sand	ND	6,900	7,800	ND	
	Niidagawa River	Kusano		2014/5/28	Sand with granule	42	7,200	7,900	ND
				2014/5/28	Granule with sand	ND	2,300	2,500	ND
			Kidouchibashi Bridge	2014/5/29	Sand with granule	ND	14,000	16,000	ND
		Sakewabashi Bridge	2014/5/29	Fine sand with silt	ND	1,900	2,100	ND	
	Asamigawa River	Bodabashi Bridge	2014/5/28	Sand	ND	860	950	ND	
	Ohisagawa River	Kageisobashi Bridge	2014/5/28	Sand/coarse sand	ND	2,200	2,300	ND	
	Niidagawa River	Matsubabashi Bridge	2014/5/28	Sand/coarse sand/gravel	ND	980	1,000	ND	
	Natsugawa River	Kitanouchibashi Bridge	2014/5/26	Coarse sand	ND	95	94	ND	
		Rokujumabashi Bridge	2014/5/28	Coarse sand/sand	ND	190	220	ND	
	Fujiwaragawa River	Minatoohashi Bridge	2014/5/28	Sand with silt	ND	660	730	ND	
	Samegawa River	Samegawabashi Bridge	2014/5/28	Sand with silt	ND	700	770	ND	
	Bindagawa River	Bindabashi Bridge	2014/5/28	Sand with gravel	ND	97	110	ND	
	Abukumagawa River	Taishobashi Bridge	2014/5/24	Sand	65	11,000	12,000	Cs-136 : 65	* Surveyed by MLIT
		Akutsobashi Bridge	2014/5/24	Sand with gravel	ND	260	290	ND	* Surveyed by MLIT
Hirosegawa River	Before the confluence with Abukumagawa River	2014/5/24	Sand	ND	4,300	4,700	ND	* Surveyed by MLIT	
	Upperstream of Tatenokoshibashi Bridge	2014/5/26	Gravel/sand	52	4,800	5,100	* Surveyed by MLIT		
Surikamigawa River	Before the confluence with Abukumagawa River	2014/5/24	Sand/gravel	ND	1,000	1,100	ND	* Surveyed by MLIT	
Arakawa River	Before the confluence with Abukumagawa River	2014/5/24	Sand	46	4,200	4,600	ND	* Surveyed by MLIT	
Utsushigawa River	Osegawabashi Bridge	2014/5/26	Sand with gravel	ND	1,100	1,300	ND		
Utsushigawa River (Kuchibutogawa River)	Kuchibutogawabashi Bridge	2014/5/26	Sand with gravel	ND	3,400	3,700	ND		
Gohyakugawa River	Before the confluence with Abukumagawa River	2014/5/26	Sand with gravel	ND	1,800	2,100	ND		
Ousegawa River	Before the confluence with Abukumagawa River	2014/5/26	Coarse sand with gravel	ND	850	940	ND		
Otakegawa River	Before the confluence with Abukumagawa River	2014/5/26	Sand	ND	120	140	ND		
Shakadogawa River	Before the confluence with Abukumagawa River	2014/5/24	Sand with silt	ND	1,100	1,200	ND	* Surveyed by MLIT	
Yashirogawa River	Ojibashi Bridge	2014/5/26	Sand	ND	120	130	ND		

*ND denotes the readings below the detection limit (30Bq/L) for radioactive material concentration.

* Sediment collected at the same time of water sampling for water quality survey.

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No.	Rivers	Point name
1	Jizogawa River	Hamatabashi Bridge
2	Koizumigawa River	Hyakkenbashi Bridge
3	Udagawa River	Hyakkenbashi Bridge
4	Manogawa River	Majimabashi Bridge
5	Niidagawa River	Kusano
6	Niidagawa River	Komiya
7	Niidagawa River	Kidouchibashi Bridge
8	Niidagawa River	Sakekawabashi Bridge
9	Asamigawa River	Bodabashi Bridge
10	Ohisagawa River	Kageisobashi Bridge
11	Niidagawa River	Matsubashi Bridge
12	Natsugawa River	Kitanouchibashi Bridge
13	Natsui River	Rokujumabashi Bridge
14	Fujiwaragawa River	Minatohashi Bridge
15	Samegawa River	Samegawabashi Bridge
16	Bindagawa River	Bindabashi Bridge
17	Abukumagawa River	Taishobashi Bridge
18	Abukumagawa River	Akutsobashi Bridge
19	Hirosegawa River	Before the confluence with Abukumagawa River
20	Hirosegawa River	Upperstream of Tatenokoshibashi Bridge
21	Surikamigawa River	Before the confluence with Abukumagawa River
22	Arakawa River	Before the confluence with Abukumagawa River
23	Utsushigawa River	Osegawabashi Bridge
24	Utsushigawa River (Kuchibutogawa River)	Kuchibutogawabashi Bridge
25	Gohyakugawa River	Before the confluence with Abukumagawa River
26	Ousegawa River	Before the confluence with Abukumagawa River
27	Otakegawa River	Before the confluence with Abukumagawa River
28	Shakadogawa River	Before the confluence with Abukumagawa River
29	Yashirogawa River	Ojibashi Bridge