

(News Release)
The Results of Additional Radioactive Material Monitoring
of the Surface Water Bodies
(October-December Samples)

<Simultaneously released to the Fukushima Prefecture Press Club>

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In accordance with the Comprehensive Radiation Monitoring Plan determined by the Monitoring Coordination Meeting, the Ministry of the Environment (MOE) is continuing to monitor radioactive materials in water environments (surface water bodies (rivers, lakes and headwaters, and coasts), etc.).

To date, monitoring of radioactive iodine and radioactive cesium has been carried out and their results have been released from time to time. Additionally, monitoring of radiostrontium in sediment has been carried out at various locations (sampling period: October-December, 2012; locations in Miyagi Prefecture, Fukushima Prefecture, Ibaraki Prefecture, Tochigi Prefecture, Gunma Prefecture, Chiba Prefecture, etc.), and the results are released here.

The monitoring results of radioactive materials in surface water bodies carried out to date can be found at the following web page: <http://www.env.go.jp/jishin/rmp.html#monitoring>

1. Monitoring Overview

(1) Monitoring Locations

Among the survey locations in each prefecture, those locations of which readings of radioactive cesium in sediment were relatively high:

- Miyagi Prefecture: 7 locations (Rivers 3, Lakes and headwaters 2, Coasts 2)
- Fukushima Prefecture: 44 locations (Rivers 11, Lakes and headwaters 21, Coasts 12)
- Ibaraki Prefecture: 5 locations (Rivers 2, Lakes and headwaters 3)
- Tochigi Prefecture, Gunma Prefecture: 2 locations each (River 1, Lake and headwater 1)
- Chiba Prefecture: 4 locations (Rivers 2, Lakes and headwaters 2)
- Tokyo Prefecture: 1 location (Coast)

In total: 65 locations

(2) Monitoring item

Radiostrontium (Sr-90) in sediment

2. Outline of Results

Except for some locations in the evacuation order areas, the readings of radiostrontium (Sr-90) were within the range of measurements (soil samples) taken before the accident.

Sr-90 concentration detected in sediment in this additional monitoring: 1.1-93Bq/kg (dried mud)

*Readings of Sr-90 before the accident in Japan (soil sample): 0.20-14Bq/kg (dry)

(Source: FY2009 Environmental Radiation Level Monitoring Results Data)

(August FY2011 Japan Chemical Analysis Center)

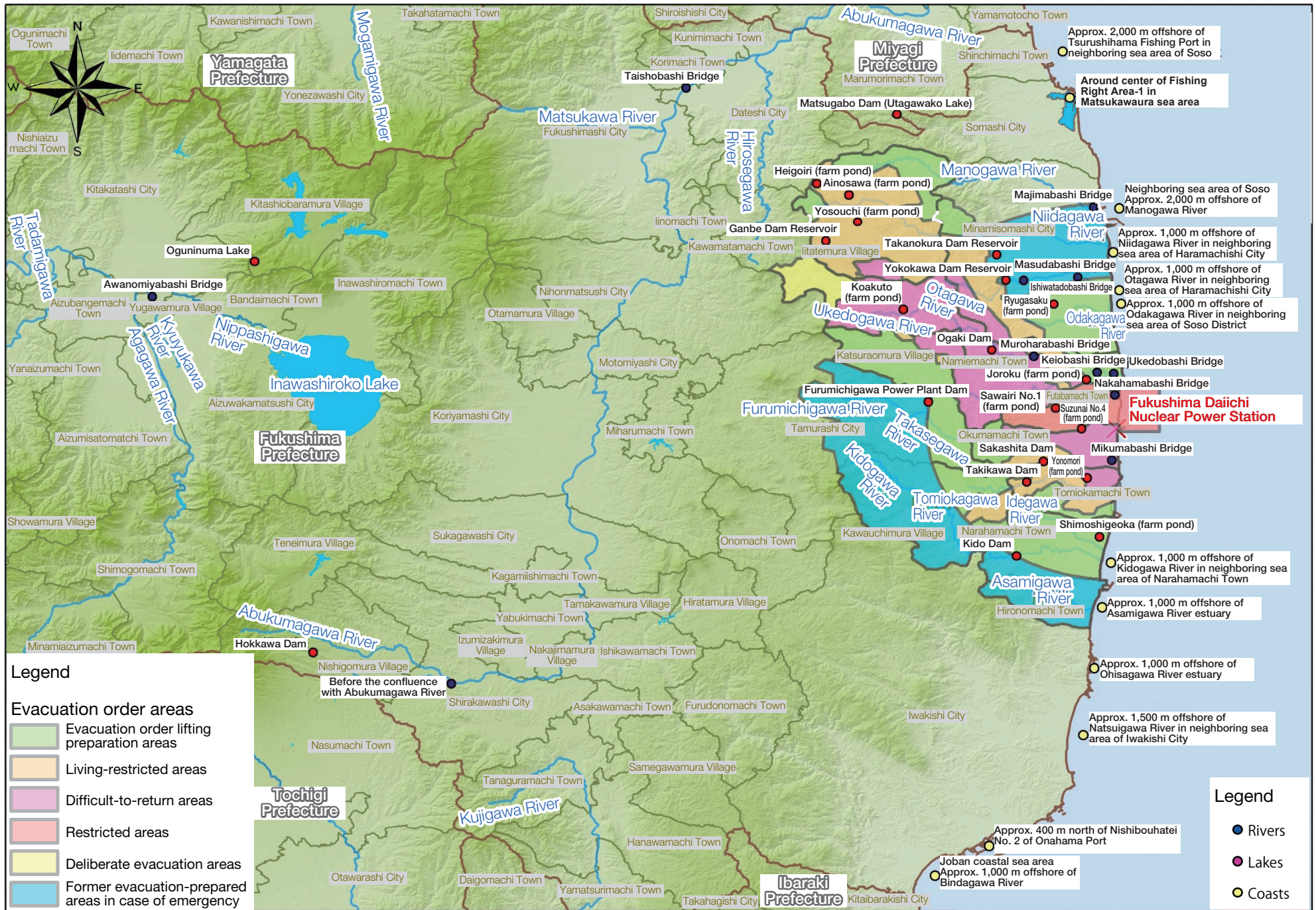
(Annex for details)
(Map attached)

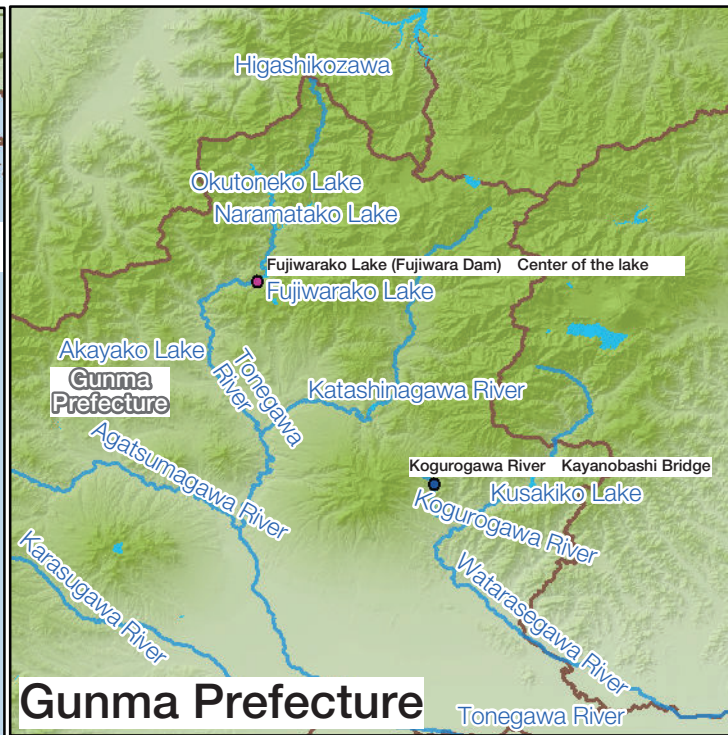
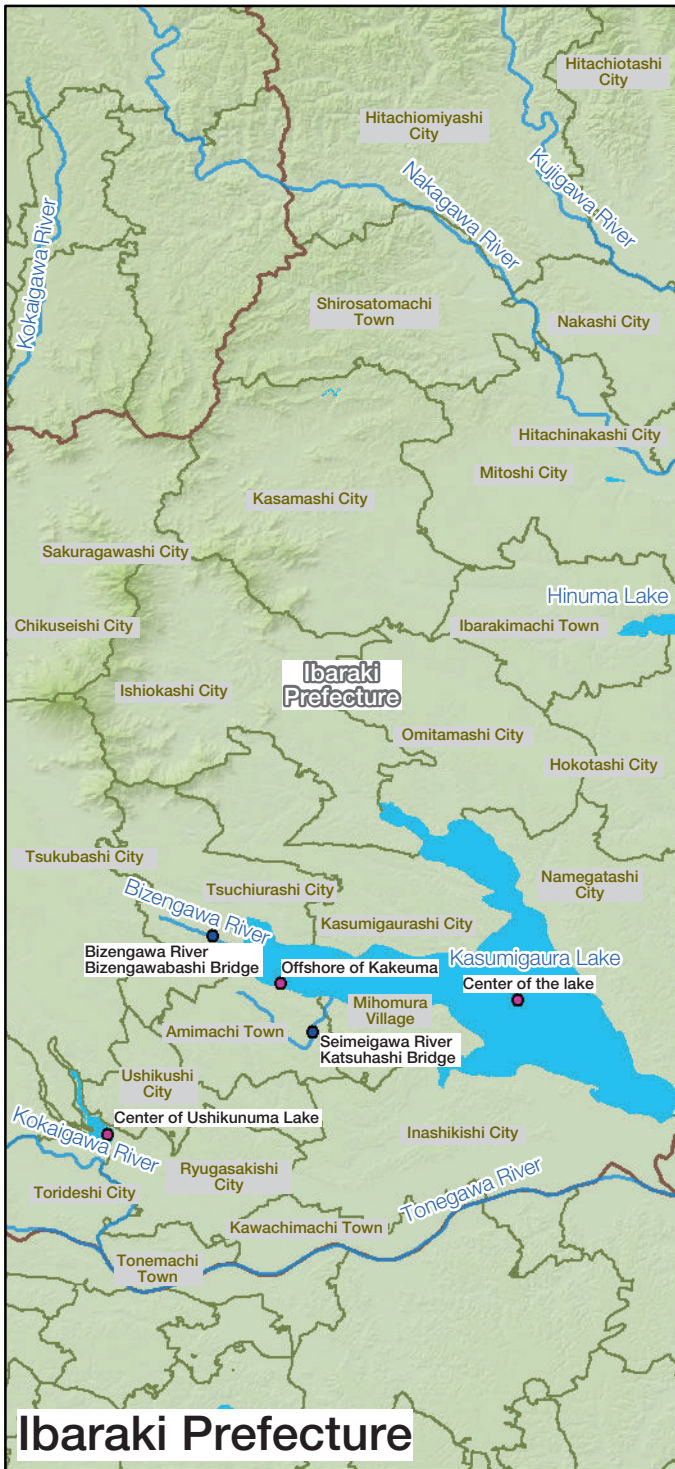
OMonitoring Results of Radiostrontium in Sediment of Surface Water Bodies (Rivers, Lakes and Headwaters, and Coasts)

Prefecture	Water Body/Survey Location	Municipality	Survey Results					Results of 1st survey conducted in 2012 (rereleased)							
			Specimen Sampling date	General items (rereleased)		Concentration of radioactive material in sediment Bq/kg (dried mud)		Specimen Sampling date	General items (rereleased)		Concentration of radioactive material in sediment Bq/kg (dried mud)				
				Mud sampling depth cm	Mud content %	Property	Sr-90		Cs-134+Cs-137 Total (rereleased)	Mud sampling depth cm	Mud content %	Property	Sr-90	Cs-134+Cs-137 Total (rereleased)	
Fukushima	Rivers	1 Manogawa River, Majimabashi Bridge	2012/11/12	5	90	Sand	<0.90	500	2012/7/5	5	38	Silt	2.4	15,900	
		2 Otagawa River, Ishiwatadobashi Bridge	2012/11/7	3	90	Sand	1.1	8,700	2012/7/4	5	65	Silt/sand	7.4	61,000	
		3 Otagawa River, Masudabashi Bridge	2012/11/7	2	78	Sand	1.7	12,500	2012/8/22	6	63	Mud	2.2	29,000	
		4 Ukedogawa River, Muroharabashi Bridge	2012/11/15	5	94	Sand	<0.85	13,400	2012/6/14	2	65	Silt	12	165,000	
		5 Ukedogawa River, Ukedobashi Bridge	2012/11/15	3	91	Sand	<0.90	5,600	2012/6/13	2	92	Sand/gravel	<0.76	12,400	
		6 Takasegawa River, Keiobashi Bridge	2012/10/18	5	65	Silt	2.4	17,400	2012/7/3	2	60	Mud/sand	3.7	15,800	
		7 Maedagawa River, Nakahamabashi Bridge	2012/11/15	3	84	Sand	<0.80	6,800	2012/8/28	3	74	Mud	1.8	23,900	
		8 Kumagawa River, Mikumabashi Bridge	2012/11/20	3	91	Sand	<0.79	3,500	2012/6/14	5	73	Silt	4.4	41,000	
		9 Yantagawa River, before the confluence with Abukumagawa River	Shirakawashi City	2012/10/9	3	72	Sand/silt	1.3	8,100	2012/5/2	3	83	Sludge	<0.85	4,300
		10 Abukumagawa River, Taishobashi Bridge	Dateshi City	2012/11/13	5	76	Sand	1.3	1,280	2012/4/29	5	67	Silt	1.4	3,800
		11 Kyuyukawa River, Awanomiyabashi Bridge	Yugawamura Village	2012/11/1	3	88	Sand	<1.1	207	2012/5/29	20	66	Sand	<1.1	2,010
	Lakes	1 Matsugabo Dam (Utawako Lake)	Somashi City	2012/10/15	10	42	Silt	10	59,000	2012/8/6	5	46	Silt	2.3	4,900
		2 Ainosawa (farm pond)	Iitatemura Village	2012/10/24	2	48	Silt	13	103,000	2012/7/26	3	61	Sludge	8.3	59,000
		3 Ganbe Dam Reservoir		2012/10/16	10	52	Silt	14	123,000	-	-	-	-	-	
		4 Tanokura Dam Reservoir		2012/10/17	10	41	Silt	13	35,000	2012/8/8	5	81	Sand	4.2	12,400
		5 Yokokawa Dam Reservoir	Minamisomashi City	2012/10/17	5	40	Silt	24	125,000	2012/8/8	5	73	Mud/sand	3.3	25,900
		6 Ryugasaku (farm pond)		2012/11/20	4	56	Silt	3.1	17,400	2012/8/28	3	38	Sand/silt	7.8	47,000
		7 Koakuto (farm pond)	Namiemachi Town	2012/11/21	3	64	Sand/silt	5.3	32,000	2012/7/5	2	50	Mud/sand	7	56,000
		8 Yosouchi (farm pond)	Iitatemura Village	2012/11/21	5	76	Sand	11	44,000	2012/7/26	3	73	Sand	17	70,000
		9 Ogaki Dam	Namiemachi Town	2012/10/18	5	81	Sand	7.9	51,000	2012/8/28	3	90	Sand	2.4	13,600
		10 Heigoiri (farm pond)	Iitatemura Village	2012/10/24	2	27	Mud	13	56,000	-	-	-	-	-	
		11 Joroku (farm pond)	Namiemachi Town	2012/10/23	1	72	Sand	20	40,000	2012/7/4	2	46	Mud	37	96,000
		12 Furumichigawa Power Plant Dam	Tamurashi City	2012/10/17	10	37	Silt	2.8	11,000	-	-	-	-	-	
		13 Sawairi No.1 (farm pond)	Futabamachi Town	2012/10/18	2	46	Mud	93	780,000	-	-	-	-	-	
		14 Suzunai No.4 (farm pond)	Okumamachi Town	2012/10/25	3	62	Silt	7.1	91,000	-	-	-	-	-	
		15 Sakashita Dam		2012/11/20	5	42	Silt	4.1	20,700	2012/8/29	5	66	Silt	3.2	17,600
		16 Yonomori (farm pond)	Tomiokamachi Town	2012/11/14	3	62	Sand	5.5	47,000	2012/7/4	3	58	Silt	6.8	62,000
		17 Takikawa Dam	Kawauchimura Village	2012/11/14	3	82	Sand	3.1	8,600	2012/7/25	3	62	Sand	3.5	28,000
		18 Shimoshigeoka (farm pond)	Narahamachi Town	2012/11/20	3	59	Silt	2.1	27,000	2012/9/4	1	32	Mud	4.5	77,000
		19 Kido Dam		2012/10/19	5	40	Silt	7.6	8,700	2012/8/23	5	42	Silt	4.3	7,400
		20 Hokkawa Dam	Nishigomura Village	2012/10/18	5	44	Silt	2.1	13,300	2012/8/9	10	43	Silt	2.3	5,100
	21 Oguninuma Lake	Kitashiobaramura Village	2012/10/24	2	22	Silt	5.4	10,200	-	-	-	-	-		
	Coasts	1 Neighboring sea area of Soso, approx. 2,000 m offshore of Tsurushihama Fishing Port		2012/11/22	5	87	Sand	<1.0	30	2012/7/24	5	77	Sand	<1.2	320
2 Matsukawaura sea area, around center of Fishing Right Area-1			2012/11/27	5	83	Sand	<1.1	123	2012/7/25	10	80	Sand	<0.88	300	
3 Neighboring sea area of Soso, approx. 2,000 m offshore of Manogawa River			2012/11/26	5	82	Sand	<0.94	131	2012/7/26	3	82	Sand	<1.0	106	
4 Neighboring sea area of Haramachi City, approx. 1,000 m offshore of Nadagawa River			2012/11/29	3	73	Sand	<0.83	268	2012/7/27	5	84	Sand	<1.1	290	
5 Neighboring sea area of Haramachi City, approx. 1,000 m offshore of Otawaga River			2012/11/20	3	89	Sand	<0.87	48	-	-	-	-	-		
6 Neighboring sea area of Soso District, approx. 1,000 m offshore of Odagawa River			2012/11/28	5	83	Sand	<0.90	127	-	-	-	-	-		
7 Neighboring sea area of Narahamachi Town, approx. 1,000 m offshore of Kidogawa River			2012/11/30	5	79	Sand	<0.92	380	-	-	-	-	-		
8 Approx. 1,000 m offshore of Asamigawa River estuary			2012/11/30	5	85	Sand	<0.92	360	2012/7/7	5	84	Sand	<0.98	570	
9 Approx. 1,000 m offshore of Ohisagawa River estuary			2012/11/30	5	89	Sand	<1.1	213	2012/7/7	5	87	Sand	<1.1	153	
10 Neighboring sea area of Iwakishi City, approx. 1,500 m offshore of Natsugawa River			2012/11/19	5	88	Sand	<0.99	74	2012/7/7	5	86	Sand	<0.98	156	
11 Onahama Port Approx. 400 m north of Nishibouhatei No.2			2012/11/19	5	64	Silt	<1.4	730	2012/7/8	10	68	Sludge	<1.3	590	
12 Joban coastal sea area, approx. 1,000 m offshore of Bindagawa River			2012/11/19	3	83	Sand	<0.96	167	2012/7/8	5	78	Sand	<1.1	280	

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					Mud sampling depth cm	Mud content %	Property	Sr-90	Cs-134+Cs-137 Total (rereleased)		Mud sampling depth cm	Mud content %	Property	Sr-90	Cs-134+Cs-137 Total (rereleased)
Miyagi	Rivers	1 Masudagawa River, Bishamonbashi Bridge	Natori City	2012/11/27	5	55	Silt	<1.3	2,020	2012/9/25	5	55	Silt	<1.2	3,700
		2 Abukumagawa River, Marumori-bashi Bridge	Marumori-machi Town	2012/10/3	6	72	Sand/mud	<0.99	3,400	-	-	-	-	-	-
		3 Abukumagawa River, Abukumaohashi Bridge (Iwanuma)	Iwanumashi City/Wataricho Town	2012/11/21	3	69	Sand	<0.92	1,410	2012/6/6	15	73	Sand	<0.84	1,410
	Lakes	1 Amanuma Lake, exit	Sendaishi City	2012/11/28	2	41	Silt	2.1	9,700	-	-	-	-	-	-
		2 Shichikashuku Dam/Dam site	Shichikashukumachi Town	2012/11/29	7	50	Mud	<1.7	1,890	2012/6/29	10	51	Silt	1.7	3,000
	Coasts	1 Neighboring sea area of Sendai Port (A), Naiko Inner Port, 4-Nai		2012/12/19	10	41	Silt	<1.9	1,500	-	-	-	-	-	-
		2 Offshore of Abukumagawa River estuary		2012/12/20	3	82	Sand	<0.80	128	-	-	-	-	-	-
Ibaraki	Rivers	1 Bizengawa River, Bizengawabashi Bridge	Tsuchiurashi City	2012/12/11	5	75	Sand	<1.1	2,800	2012/5/30	5	72	Sludge	1.8	4,800
		2 Seimeigawa River, Katsubashi Bridge	Amimachi Town	2012/12/10	2	52	Silt	<1.4	4,100	-	-	-	-	-	
	Lakes	1 Kasumigaura Lake, offshore of Kakeuma		2012/12/5	10	84	Sand	<0.93	252	2012/6/27	10	80	Sand	<1.1	610
		2 Kasumigaura Lake, center of the lake		2012/12/5	10	28	Silt	<2.9	630	2012/6/27	10	33	Silt	<2.7	178
		3 Ushikunuma Lake, center of Ushikunuma Lake		2012/12/6	5	32	Silt	7.0	1,210	2012/9/13	10	38	Mud	<2.0	1,170
Tochigi	Rivers	1 Itanagawa River, tributary	Nikkoshi City	2012/12/12	3	89	Sand	<0.73	86	2012/8/17	3	90	Sand	<0.78	146
	Lakes	1 Ikari Dam Reservoir, center of the lake		2012/12/5	15	50	Silt	1.6	2,500	2012/8/31	10	54	Silt	<1.5	4,100
Gunma	Rivers	1 Kogurogawa River, Kayanobashi Bridge	Kiryushi City	2012/12/12	3	80	Sand	<0.73	187	2012/8/8	10	88	Sand	<0.86	198
	Lakes	1 Fujiwarako Lake (Fujiwara Dam), center of the lake	Minakamimachi Town	2012/11/6	5	53	Silt	2.2	1,880	2012/9/12	5	57	Silt	1.9	2,900
Chiba	Rivers	1 Ohorigawa River, Kitakashiwabashi Bridge	Kashiwashu City	2012/11/5	3	73	Sand/silt	<1.1	3,000	2012/5/22	3	67	Sludge	<0.93	12,000
		2 Otsugawa River, Kaminumabashi Bridge		2012/11/5	2	48	Clay	<1.8	380	2012/5/22	3	45	Sludge	<1.7	20,200
	Lakes	1 Teganuma Lake, Nedoshita	Kashiwashu City/Abikoshi City	2012/12/17	7	38	Mud	<2.0	7,600	2012/9/11	10	38	Mud	4.4	7,600
		2 Teganuma Lake, Teganuma Chuo		2012/12/17	3	31	Mud	<2.5	1,580	2012/9/11	15	37	Mud	<2.1	1,540
Tokyo	Coasts	1 St-8 Offshore of Arakawa River/Kyuedogawa River estuaries		2012/10/18	10	60	Silt	<1.1	420	2012/5/31	10	54	Sludge	<1.5	490





- Legend**
- Rivers
 - Lakes
 - Coasts