

Results of Radioactive Material Monitoring of Groundwater (Report No. 8)

Tuesday, September 11, 2012
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In accordance with the Comprehensive Monitoring Plan determined by the Monitoring Coordination Meeting of the national government, the Ministry of the Environment (MOE) is continuing to monitor radioactive materials in groundwater.

The analysis results of the measurement of activity concentrations in groundwater samples collected in Iwate, Miyagi, Fukushima, Ibaraki, Tochigi, Gunma, and Chiba Prefectures are released here as Report No. 8 (for samples collected in Iwate from July 2 to 6, in Miyagi from July 7 to 12, in Fukushima from July 2 to 20, in Ibaraki from July 2 to 8, in Tochigi from July 6 to 13, in Gunma from July 2 to 6, and in Chiba from July 9 to 13).

○ Outline of Results

Measurement of I-131, Cs-134, and Cs-137 was conducted at all predetermined locations. In Fukushima Prefecture, measurement of Sr-89 and Sr-90 was also conducted at 19 locations. (Detection limit for all these measurements: 1 Bq/L).

(1) Iwate Prefecture

I-131, Cs-134, and Cs-137 were not detectable at any of the 22 locations surveyed. (See Annex 1 for details.)

(2) Miyagi Prefecture

I-131, Cs-134, and Cs-137 were not detectable at any of the 22 locations surveyed. (See Annex 2 for details.)

(3) Fukushima Prefecture

I-131, Cs-134, and Cs-137, as well as Sr-89 and Sr-90, were not detectable at any of the 145 locations surveyed. (See Annex 3 for details.)

(4) Ibaraki Prefecture

I-131, Cs-134, and Cs-137 were not detectable at any of the 27 locations surveyed. (See Annex 4 for details.)

(5) Tochigi Prefecture

I-131, Cs-134, and Cs-137 were not detectable at any of the 27 locations surveyed. (See Annex 5 for details.)

(6) Gunma Prefecture

I-131, Cs-134, and Cs-137 were not detectable at any of the 20 locations surveyed. (See Annex 6 for details.)

(7) Chiba Prefecture

I-131, Cs-134, and Cs-137 were not detectable at any of the 23 locations surveyed. (See Annex 7 for details.)

* Specification and Standards for Food, Food Additives, etc. in Accordance with the Food Sanitation Act (Drinking Water) (Ministry of Health, Labour and Welfare Public Notice No.130, March 15, 2012)

Radioactive cesium (total for Cs-134+Cs-137): 10 Bq/kg

* Reference Values for Radioactive Materials in Tap Water (Management Target for Water Supply Facilities) (March 5, 2012; 0305 Notice No.1 from the Director of the Water Supply Division, Health Service Bureau, Ministry of Health, Labour and Welfare)

Radioactive cesium (total for Cs-134+Cs-137): 10 Bq/kg

○ Future Plans

In and around Fukushima Prefecture, MOE intends to continue to monitor activity concentrations in groundwater, in coordination with the prefectural government, municipalities, and other relevant organizations.

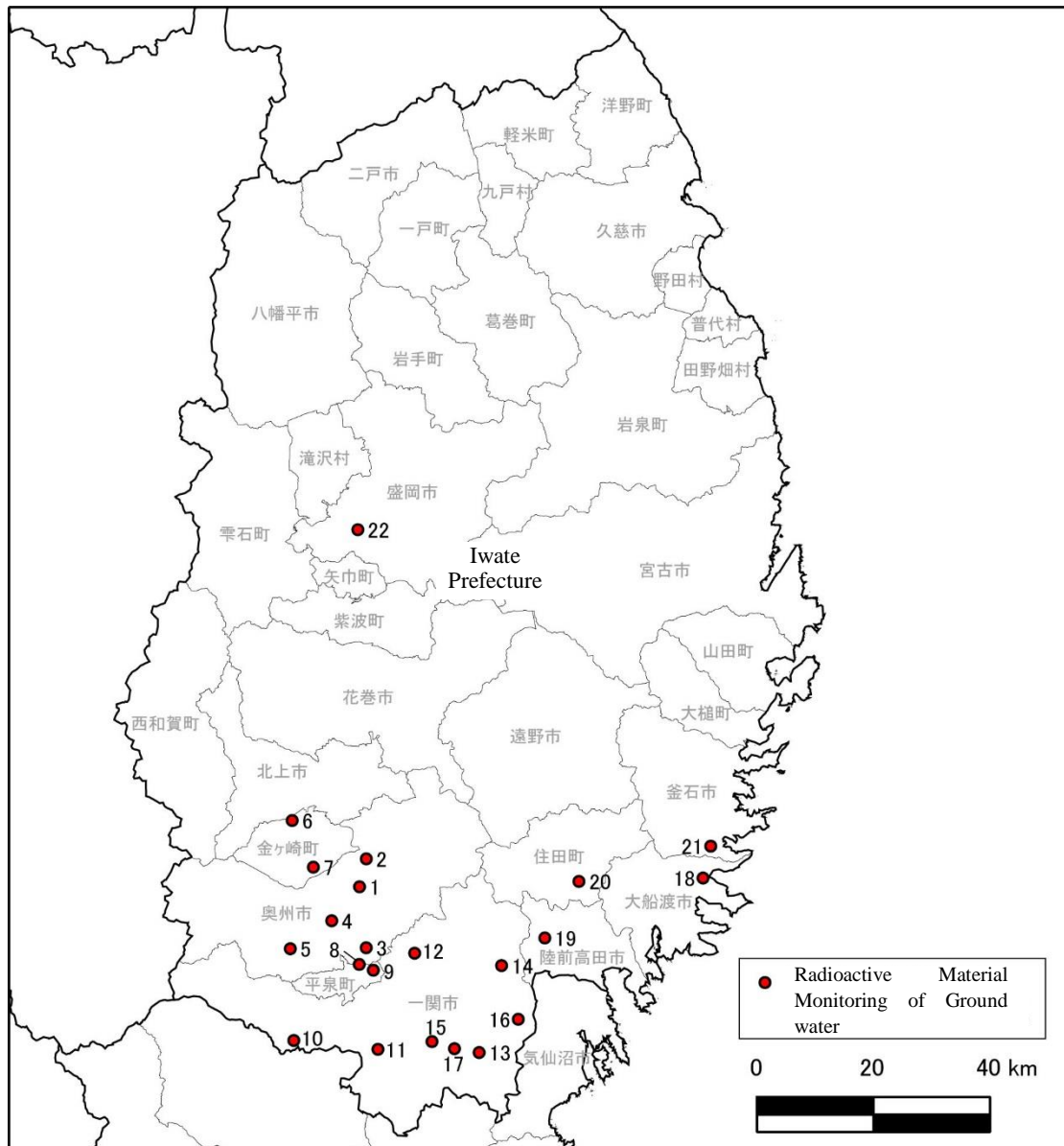
Results of Groundwater Monitoring [Iwate Prefecture]

(Annex 1)

No.	District	Sampling Date	Activity concentration (Bq/L)			Remarks
			I-131	Cs		
				Cs-134	Cs-137	
1	Oshu City Mizusawa Ward Higashiuwano Town	2012/7/3	ND	ND	ND	
2	Oshu City Esashi Ward Odaki	2012/7/3	ND	ND	ND	
3	Oshu City Maesawa Ward Seibo	2012/7/3	ND	ND	ND	
4	Oshu City Isawa Ward Oyama	2012/7/3	ND	ND	ND	
5	Oshu City Koromogawa Ward Shimoomori	2012/7/3	ND	ND	ND	
6	Kanegasaki Town Nishine	2012/7/2	ND	ND	ND	
7	Kanegasaki Town Nagasawa	2012/7/2	ND	ND	ND	
8	Hiraizumi Town Nagashima	2012/7/4	ND	ND	ND	
9	Hiraizumi Town Nagashima	2012/7/4	ND	ND	ND	
10	Ichinoseki City Hagisho	2012/7/5	ND	ND	ND	
11	Ichinoseki City Hanaizumi Town Kazawa	2012/7/4	ND	ND	ND	
12	Ichinoseki City Higashiyama Town Takouzu	2012/7/4	ND	ND	ND	
13	Ichinoseki City Senmaya Town Konashi	2012/7/5	ND	ND	ND	
14	Ichinoseki City Daito Town Ohara	2012/7/5	ND	ND	ND	
15	Ichinoseki City Kawasaki Town Usuginu	2012/7/4	ND	ND	ND	
16	Ichinoseki City Nemuro Town Orikabe	2012/7/5	ND	ND	ND	
17	Ichinoseki City Fujisawa Town Masuzawa	2012/7/5	ND	ND	ND	
18	Ofunato City Sanriku Town	2012/7/6	ND	ND	ND	
19	Rikuzentakata City Yahagi Town	2012/7/6	ND	ND	ND	
20	Sumita Town Setamai	2012/7/6	ND	ND	ND	
21	Kamaishi City Toni Town	2012/7/6	ND	ND	ND	
22	Morioka City Mukainakano	2012/7/2	ND	ND	ND	

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)



No.	District	No.	District	No.	District
1	Oshu City Mizusawa Ward Higashiuwano Town	9	Hiraizumi Town Nagashima	17	Ichinoseki City Fujisawa Town Masuzawa
2	Oshu City Esashi Ward Odaki	10	Ichinoseki City Hagisho	18	Ofunato City Sanriku Town
3	Oshu City Maesawa Ward Seibo	11	Ichinoseki City Hanaizumi Town Kazawa	19	Rikuzentakata City Yahagi Town
4	Oshu City Isawa Ward Oyama	12	Ichinoseki City Higashiyama Town Takouzu	20	Sumita Town Setamai
5	Oshu City Koromogawa Ward Shimoomori	13	Ichinoseki City Senmaya Town Konashi	21	Kamaishi City Toni Town
6	Kanegasaki Town Nishine	14	Ichinoseki City Daito Town Ohara	22	Morioka City Mukainakano
7	Kanegasaki Town Nagasawa	15	Ichinoseki City Kawasaki Town Usuginu		
8	Hiraizumi Town Nagashima	16	Ichinoseki City Nemuro Town Orikabe		

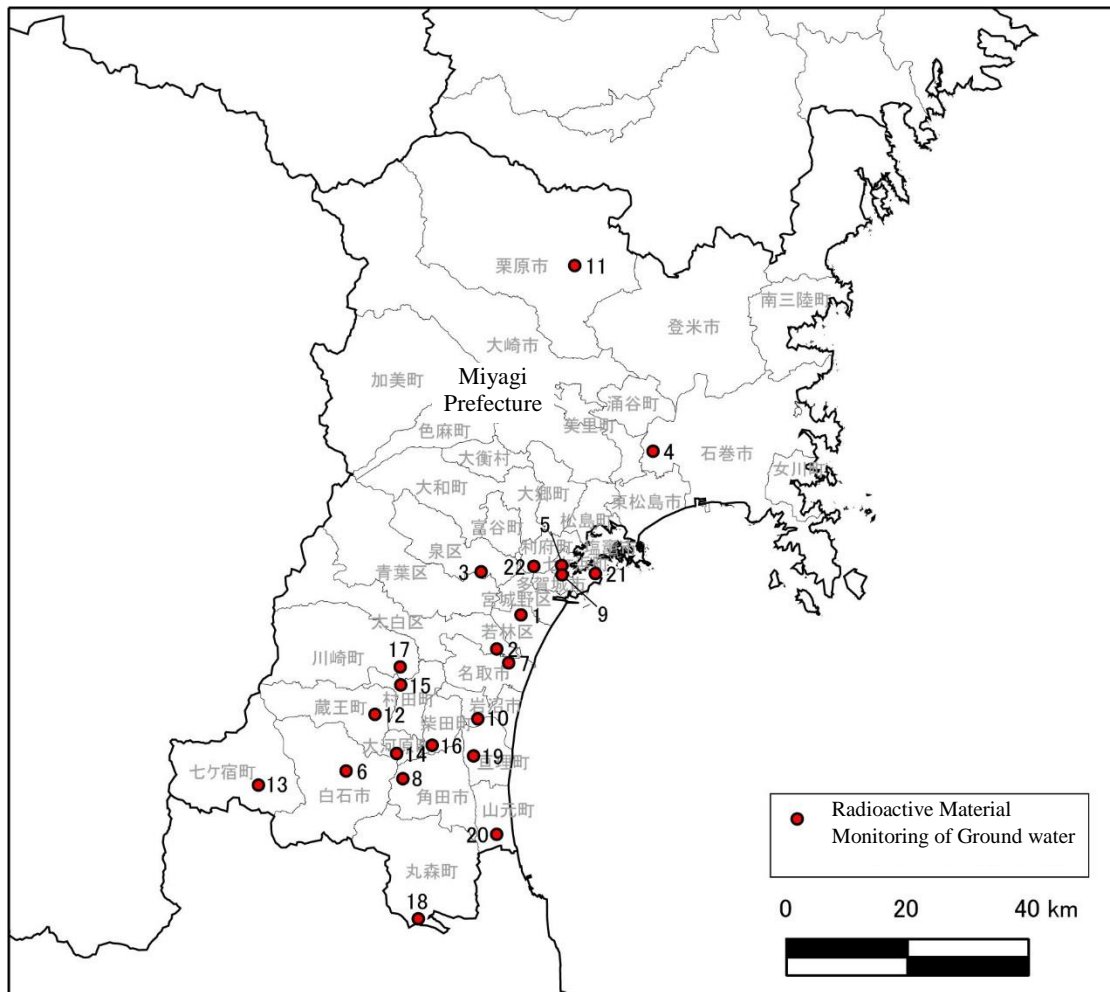
Results of Groundwater Monitoring [Miyagi Prefecture]

(Annex 2)

No.	District	Sampling Date	Activity concentration (Bq/L)			Remarks
			I-131	Cs		
				Cs-134	Cs-137	
1	Sendai City Wakabayashi Ward	2012/7/9	ND	ND	ND	
2	Sendai City Taihaku Ward	2012/7/9	ND	ND	ND	
3	Sendai City Izumi Ward	2012/7/9	ND	ND	ND	
4	Ishinomaki City Kitamura	2012/7/7	ND	ND	ND	
5	Shioga Town Minogaoka	2012/7/8	ND	ND	ND	
6	Shiroishi City Fukuokanagabukuro	2012/7/10	ND	ND	ND	
7	Natori City Omagari	2012/7/12	ND	ND	ND	
8	Kakuda City Takakura	2012/7/10	ND	ND	ND	
9	Tagajo City Geba	2012/7/9	ND	ND	ND	
10	Iwanu City Fukiage	2012/7/12	ND	ND	ND	
11	Kurihara City Tsukidate	2012/7/7	ND	ND	ND	
12	Zao Town Enda	2012/7/11	ND	ND	ND	
13	Shichikashuku-machi Aza Seki	2012/7/10	ND	ND	ND	
14	Ogawara Town Kanagase	2012/7/11	ND	ND	ND	
15	Tamura Town Ashitate	2012/7/11	ND	ND	ND	
16	Shibata Town Funaokachuo	2012/7/11	ND	ND	ND	
17	Kawasaki Town Hasekura	2012/7/11	ND	ND	ND	
18	Marumori Town Hippo	2012/7/10	ND	ND	ND	
19	Watari Town Iwaida	2012/7/12	ND	ND	ND	
20	Yamamoto Town Sakamoto	2012/7/12	ND	ND	ND	
21	Shichigahama Town Yoshidahama	2012/7/8	ND	ND	ND	
22	Rifu Town Sugaya	2012/7/8	ND	ND	ND	

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)



No.	District	No.	District	No.	District
1	Sendai City Wakabayashi Ward	9	Tagajo City Geba	17	Kawasaki Town Hasekura
2	Sendai City Taihaku Ward	10	Iwanu City Fukiage	18	Marumori Town Hippo
3	Sendai City Izumi Ward	11	Kurihara City Tsukidate	19	Watari Town Iwaida
4	Ishinomaki City Kitamura	12	Zao Town Enda	20	Yamamoto Town Sakamoto
5	Shioga Town Minogaoka	13	Shichikashuku-machi Aza Seki	21	Shichigahama Town Yoshidahama
6	Shiroishi City Fukuokanagabukuro	14	Ogawara Town Kanagase	22	Rifu Town Sugaya
7	Natori City Omagari	15	Tamura Town Ashitate		
8	Kakuda City Takakura	16	Shibata Town Funaokachuo		

Results of Groundwater Monitoring [Fukushima Prefecture]

(Annex 3-1/4)

No.	District	Sampling Date	Activity concentration (Bq/L)					Remarks
			I-131	Cs		Sr		
				Cs-134	Cs-137	Sr-89	Sr-90	
1	Nihonmatsu City Satsuki Town 2 cho-me	2012/7/6	ND	ND	ND	—	—	
2	Nihonmatsu City Shimokawasaki	2012/7/6	ND	ND	ND	—	—	
3	Nihonmatsu City Kamikawasaki	2012/7/6	ND	ND	ND	—	—	
4	Nihonmatsu City Narita	2012/7/6	ND	ND	ND	—	—	
5	Motomiya City Niita	2012/7/6	ND	ND	ND	—	—	
6	Motomiya City Inazawa	2012/7/6	ND	ND	ND	—	—	
7	Kawamata Town Yamakiya	2012/7/4	ND	ND	ND	—	—	Deliberate Evacuation Areas
8	Kawamata Town Yamakiya	2012/7/4	ND	ND	ND	—	—	Deliberate Evacuation Areas
9	Kawamata Town Kotsunagi	2012/7/4	ND	ND	ND	—	—	
10	Kawamata Town Kotsunagi	2012/7/4	ND	ND	ND	—	—	
11	Kawamata Town Kotsunagi	2012/7/4	ND	ND	ND	—	—	
12	Kawamata Town Kotsunagi	2012/7/4	ND	ND	ND	—	—	
13	Kawamata Town Kotsunagi	2012/7/4	ND	ND	ND	—	—	
14	Otama Village Oyama	2012/7/6	ND	ND	ND	—	—	
15	Tamura City Takine Town Kanmata	2012/7/9	ND	ND	ND	—	—	
16	Tamura City Takine Town Hirose	2012/7/9	ND	ND	ND	—	—	
17	Tamura City Ogoe Town Magino	2012/7/9	ND	ND	ND	—	—	
18	Tamura City Ogoe Town Shimo-ogoe	2012/7/9	ND	ND	ND	—	—	
19	Tamura City Miyakoji Town Iwaizawa	2012/7/8	ND	ND	ND	—	—	
20	Tamura City Miyakoji Town Iwaizawa	2012/7/8	ND	ND	ND	ND	ND	
21	Tamura City Miyakoji Town Furumichi	2012/7/8	ND	ND	ND	ND	ND	areas being prepared for removal of evacuation orders
22	Tamura City Miyakoji Town Furumichi	2012/7/10	ND	ND	ND	ND	ND	
23	Tamura City Tokiwa Town	2012/7/8	ND	ND	ND	—	—	
24	Tamura City Funehiki Town Okura	2012/7/10	ND	ND	ND	—	—	
25	Tamura City Funehiki Town Nakayama	2012/7/8	ND	ND	ND	ND	ND	
26	Tamura City Funehiki Town Funehiki	2012/7/8	ND	ND	ND	—	—	
27	Koriyama City Nakata Town Nakatsugawa	2012/7/12	ND	ND	ND	—	—	
28	Koriyama City Tamura Town Tamogami	2012/7/12	ND	ND	ND	—	—	
29	Koriyama City Hiwada Town Hiwada	2012/7/11	ND	ND	ND	ND	ND	
30	Koriyama City Nishita Town Oniuta	2012/7/11	ND	ND	ND	ND	ND	
31	Koriyama City Sakuta	2012/7/11	ND	ND	ND	ND	ND	
32	Koriyama City Tamura Town Moriyama	2012/7/12	ND	ND	ND	ND	ND	
33	Koriyama City Atami Town Ishimushiro	2012/7/12	ND	ND	ND	ND	ND	
34	Koriyama City Fukuyama Town Fukuhara	2012/7/11	ND	ND	ND	—	—	
35	Koriyama City Kikuta Town Maetazawa	2012/7/11	ND	ND	ND	—	—	
36	Koriyama City Katahira Town	2012/7/11	ND	ND	ND	—	—	
37	Koriyama City Asaka Town Narita	2012/7/12	ND	ND	ND	—	—	
38	Koriyama City Otsuki Town	2012/7/11	ND	ND	ND	—	—	
39	Koriyama City Konan Town Hamaji	2012/7/13	ND	ND	ND	ND	ND	
40	Koriyama City Ose Town Tadano	2012/7/12	ND	ND	ND	ND	ND	

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)

Results of Groundwater Monitoring [Fukushima Prefecture]

(Annex 3-2/4)

No.	District	Sampling Date	Activity concentration (Bq/L)					Remarks
			I-131	Cs		Sr		
				Cs-134	Cs-137	Sr-89	Sr-90	
41	Koriyama City Mihota Town Shimomoriya	2012/7/12	ND	ND	ND	ND	ND	
42	Koriyama City Konan Town Fukura	2012/7/13	ND	ND	ND	—	—	
43	Sukagawa City Namegawa	2012/7/8	ND	ND	ND	—	—	
44	Sukagawa City Iwabuchi	2012/7/8	ND	ND	ND	—	—	
45	Sukagawa City Ogura	2012/7/8	ND	ND	ND	—	—	
46	Sukagawa City Tategaoka	2012/7/8	ND	ND	ND	—	—	
47	Sukagawa City Hokotuski	2012/7/9	ND	ND	ND	—	—	
48	Sukagawa City Konaka	2012/7/9	ND	ND	ND	—	—	
49	Sukagawa City Hatada	2012/7/8	ND	ND	ND	—	—	
50	Kagamiishi Town Suwa Town	2012/7/10	ND	ND	ND	—	—	
51	Kagamiishi Town Okanouchi	2012/7/10	ND	ND	ND	—	—	
52	Tenei Village Iitoyo	2012/7/9	ND	ND	ND	—	—	
53	Tenei Village Tarao	2012/7/9	ND	ND	ND	—	—	
54	Ishikawa Town Yanomeda	2012/7/10	ND	ND	ND	—	—	
55	Ishikawa Town Nakada	2012/7/10	ND	ND	ND	—	—	
56	Tamakawa Village Odaka	2012/7/10	ND	ND	ND	—	—	
57	Miharu Town Serigasawa	2012/7/9	ND	ND	ND	—	—	
58	Miharu Town Shimomogi	2012/7/10	ND	ND	ND	—	—	
59	Shirakawa City Aizu Town	2012/7/13	ND	ND	ND	—	—	
60	Shirakawa City Omotegonaimatsu	2012/7/13	ND	ND	ND	—	—	
61	Shirakawa City Higashi-Shimonodejima	2012/7/12	ND	ND	ND	—	—	
62	Shirakawa City Taishinshimokoya	2012/7/12	ND	ND	ND	—	—	
63	Shirakawa City Taishin Shimoshinjyo	2012/7/12	ND	ND	ND	—	—	
64	Nishigo Village Tsuruyu	2012/7/13	ND	ND	ND	—	—	
65	Nishigo Village Habuto	2012/7/13	ND	ND	ND	—	—	
66	Izumizaki Village Fumase	2012/7/12	ND	ND	ND	—	—	
67	Nakajima Village Nametsu	2012/7/12	ND	ND	ND	—	—	
68	Yabuki Town Akebono Town	2012/7/12	ND	ND	ND	—	—	
69	Tanagura Town Yamagiwa	2012/7/13	ND	ND	ND	—	—	
70	Inawashiro Town Yamagata	2012/7/13	ND	ND	ND	—	—	
71	Minamisoma City Kashima Ward Jisabara	2012/7/3	ND	ND	ND	—	—	
72	Minamisoma City Kashima Ward Kamitochiku	2012/7/3	ND	ND	ND	—	—	
73	Minamisoma City Haramachi Ward Okido	2012/7/2	ND	ND	ND	—	—	
74	Minamisoma City Haramachi Ward Okido	2012/7/2	ND	ND	ND	—	—	
75	Minamisoma City Haramachi Ward Ishigami	2012/7/3	ND	ND	ND	—	—	
76	Minamisoma City Haramachi Ward Shidazawa	2012/7/3	ND	ND	ND	—	—	
77	Minamisoma City Haramachi Ward Fukono	2012/7/3	ND	ND	ND	—	—	
78	Minamisoma City Haramachi Ward Ota	2012/7/2	ND	ND	ND	—	—	
79	Minamisoma City Odaka Ward Otomi	2012/7/2	ND	ND	ND	ND	ND	areas being prepared for removal of evacuation orders
80	Minamisoma City Odaka Ward Koyagi	2012/7/2	ND	ND	ND	—	—	areas being prepared for removal of evacuation orders

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)

Results of Groundwater Monitoring [Fukushima Prefecture]

(Annex 3-3/4)

No.	District	Sampling Date	Activity concentration (Bq/L)					Remarks
			I-131	Cs		Sr		
				Cs-134	Cs-137	Sr-89	Sr-90	
81	Hirono Town Shimokitaba	2012/7/2	ND	ND	ND	—	—	
82	Hirono Town Kamiasamigawa	2012/7/2	ND	ND	ND	—	—	
83	Hirono Town Oriki	2012/7/2	ND	ND	ND	—	—	
84	Hirono Town Oriki	2012/7/2	ND	ND	ND	—	—	
85	Hirono Town Kamikitaba	2012/7/2	ND	ND	ND	—	—	
86	Naraha Town Oya	2012/7/11	ND	ND	ND	—	—	Restricted Areas (at the time of sampling)
87	Naraha Town Kamikobana	2012/7/11	ND	ND	ND	—	—	Restricted Areas (at the time of sampling)
88	Naraha Town Kamikobana	2012/7/11	ND	ND	ND	—	—	Restricted Areas (at the time of sampling)
89	Naraha Town Yamadaoka	2012/7/12	ND	ND	ND	—	—	Restricted Areas (at the time of sampling)
90	Naraha Town Shimokobana	2012/7/12	ND	ND	ND	—	—	Restricted Areas (at the time of sampling)
91	Naraha Town Kamishigeoka	2012/7/11	ND	ND	ND	ND	ND	Restricted Areas (at the time of sampling)
92	Tomioka Town Motooka	2012/7/10	ND	ND	ND	ND	ND	Restricted Areas
93	Tomioka Town Motooka	2012/7/10	ND	ND	ND	—	—	Restricted Areas
94	Tomioka Town Motooka	2012/7/10	ND	ND	ND	—	—	Restricted Areas
95	Kawauchi Village Shimokawauchi	2012/7/11	ND	ND	ND	—	—	
96	Kawauchi Village Shimokawauchi	2012/7/11	ND	ND	ND	—	—	
97	Kawauchi Village Kamikawauchi	2012/7/11	ND	ND	ND	—	—	
98	Kawauchi Village Kamikawauchi	2012/7/11	ND	ND	ND	—	—	
99	Okuma Town Kuma	2012/7/9	ND	ND	ND	ND	ND	Restricted Areas
100	Okuma Town Nogami	2012/7/9	ND	ND	ND	—	—	Restricted Areas
101	Okuma Town Kuma	2012/7/9	ND	ND	ND	ND	ND	Restricted Areas
102	Okuma Town Ogawara	2012/7/9	ND	ND	ND	—	—	Restricted Areas
103	Futaba Town Mizusawa	2012/7/6	ND	ND	ND	—	—	Restricted Areas
104	Futaba Town Shibukawa	2012/7/6	ND	ND	ND	—	—	Restricted Areas
105	Namie Town Onoda	2012/7/5	ND	ND	ND	—	—	Restricted Areas
106	Namie Town Murohara	2012/7/5	ND	ND	ND	—	—	Restricted Areas
107	Namie Town Yatsuda	2012/7/5	ND	ND	ND	ND	ND	Restricted Areas
108	Namie Town Obori	2012/7/5	ND	ND	ND	—	—	Restricted Areas
109	Katsurao Village Ochiai	2012/7/3	ND	ND	ND	—	—	Deliberate Evacuation Areas
110	Katsurao Village Ochiai	2012/7/3	ND	ND	ND	—	—	Deliberate Evacuation Areas
111	Katsurao Village Ochiai	2012/7/3	ND	ND	ND	—	—	Deliberate Evacuation Areas
112	Katsurao Village Nogawa	2012/7/3	ND	ND	ND	—	—	Deliberate Evacuation Areas
113	Katsurao Village Katsurao	2012/7/3	ND	ND	ND	—	—	Deliberate Evacuation Areas
114	Katsurao Village Katsurao	2012/7/3	ND	ND	ND	ND	ND	Restricted Areas
115	Katsurao Village Katsurao	2012/7/3	ND	ND	ND	—	—	Deliberate Evacuation Areas
116	Katsurao Village Ochiai	2012/7/2	ND	ND	ND	—	—	Deliberate Evacuation Areas
117	Katsurao Village Katsurao	2012/7/2	ND	ND	ND	—	—	Deliberate Evacuation Areas
118	Katsurao Village Katsurao	2012/7/2	ND	ND	ND	—	—	Deliberate Evacuation Areas
119	Katsurao Village Nogawa	2012/7/2	ND	ND	ND	—	—	Deliberate Evacuation Areas
120	Katsurao Village Nogawa	2012/7/2	ND	ND	ND	—	—	Deliberate Evacuation Areas

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)

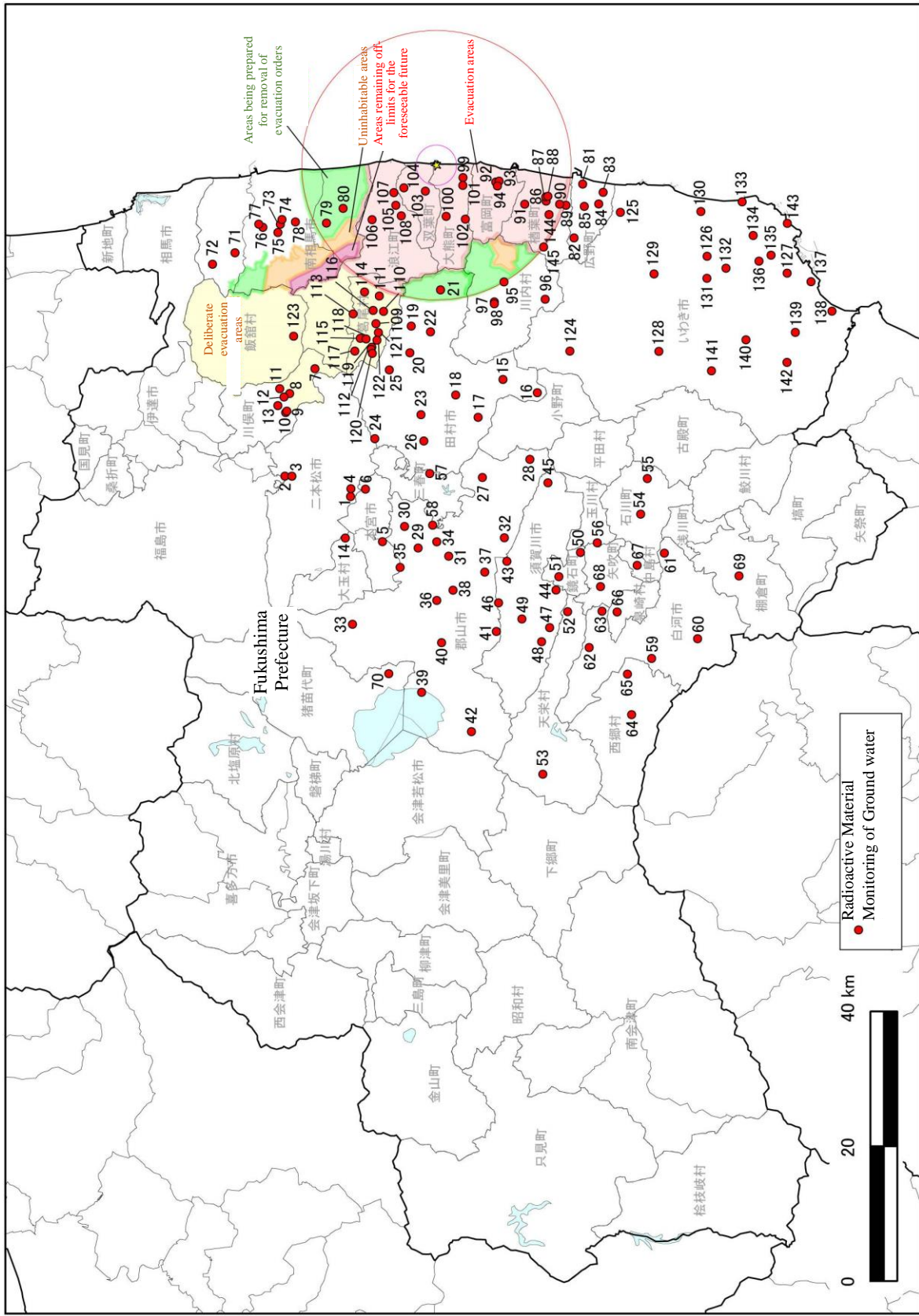
Results of Groundwater Monitoring [Fukushima Prefecture]

(Annex 3-4/4)

No.	District	Sampling Date	Activity concentration (Bq/L)					Remarks
			I-131	Cs		Sr		
				Cs-134	Cs-137	Sr-89	Sr-90	
121	Katsurao Village Nogawa	2012/7/2	ND	ND	ND	—	—	Deliberate Evacuation Areas
122	Katsurao Village Nogawa	2012/7/2	ND	ND	ND	—	—	Deliberate Evacuation Areas
123	Iitate Village Nagadoro	2012/7/20	ND	ND	ND	—	—	areas remaining off-limits for the foreseeable future
124	Iwaki City Kawamae Town	2012/7/3	ND	ND	ND	—	—	
125	Iwaki City Ohisa Town Ohisa	2012/7/3	ND	ND	ND	—	—	
126	Iwaki City Taira	2012/7/5	ND	ND	ND	—	—	
127	Iwaki City Izumi Town	2012/7/6	ND	ND	ND	—	—	
128	Iwaki City Miwa Town	2012/7/3	ND	ND	ND	—	—	
129	Iwaki City Ogawa Town	2012/7/3	ND	ND	ND	—	—	
130	Iwaki City Tairashimokabeya	2012/7/5	ND	ND	ND	—	—	
131	Iwaki City Yoshima Town	2012/7/5	ND	ND	ND	—	—	
132	Iwaki City Uchigotsuzura Town	2012/7/5	ND	ND	ND	—	—	
133	Iwaki City Tairanumanouchi	2012/7/5	ND	ND	ND	—	—	
134	Iwaki City Kashima Town	2012/7/6	ND	ND	ND	—	—	
135	Iwaki City Onahama	2012/7/6	ND	ND	ND	—	—	
136	Iwaki City Joban	2012/7/6	ND	ND	ND	—	—	
137	Iwaki City Obama Town	2012/7/4	ND	ND	ND	—	—	
138	Iwaki City Nishiki Town	2012/7/4	ND	ND	ND	—	—	
139	Iwaki City Yamada Town	2012/7/4	ND	ND	ND	—	—	
140	Iwaki City Tono Town Katono	2012/7/4	ND	ND	ND	—	—	
141	Iwaki City Iritono	2012/7/4	ND	ND	ND	—	—	
142	Iwaki City Tabito Town	2012/7/4	ND	ND	ND	—	—	
143	Iwaki City Nagasaki	2012/7/6	ND	ND	ND	—	—	
144	Naraha Town Kamikobana	2012/7/12	ND	ND	ND	—	—	Restricted Areas (at the time of sampling)
145	Naraha Town Oya	2012/7/12	ND	ND	ND	—	—	Restricted Areas (at the time of sampling)

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)



● Radioactive Material
● Monitoring of Ground water



No.	District	No.	District	No.	District	No.	District	No.	District	No.	District
1	Nihonmatsu City Satsuki Town 2 cho-me	30	Koriyama City Nishita Town Onitita	59	Shirakawa City Aizu Town	88	Naraha Town Kamikobana	117	Katsurao Village Katsurao		
2	Nihonmatsu City Shimokawasaki	31	Koriyama City Sakuta	60	Shirakawa City Omotegonaimatsu	89	Naraha Town Yamadaoka	118	Katsurao Village Katsurao		
3	Nihonmatsu City Kamikawasaki	32	Koriyama City Tamura Town Moriyama	61	Shirakawa City Higashi-Shimodejima	90	Naraha Town Shimokobana	119	Katsurao Village Nougawa		
4	Nihonmatsu City Narita	33	Koriyama City Atami Town Ishimushiro	62	Shirakawa City Taishinshimokoya	91	Naraha Town Kamishigeoka	120	Katsurao Village Nougawa		
5	Motomiya City Niita	34	Koriyama City Fukuyama Town Fukuhara	63	Shirakawa City Taishin Shimoshinjo	92	Tomiooka Town Motooka	121	Katsurao Village Nougawa		
6	Motomiya City Inazawa	35	Koriyama City Kikuta Town Maetazawa	64	Nahigo Village Tsuryu	93	Tomiooka Town Motooka	122	Katsurao Village Nougawa		
7	Kawanata Town Yamaakiya	36	Koriyama City Katahira Town	65	Nahigo Village Habuto	94	Tomiooka Town Motooka	123	Iitate Village Nagadoro		
8	Kawanata Town Yamaakiya	37	Koriyama City Asaka Town Narita	66	Izumizaki Village Fumase	95	Kawauchi Village Shimokawauchi	124	Iwaki City Kawamae Town		
9	Kawanata Town Kotsunagi	38	Koriyama City Otaki Town	67	Nakajima Village Nanetsu	96	Kawauchi Village Shimokawauchi	125	Iwaki City Ohisa Town Ohisa		
10	Kawanata Town Kotsunagi	39	Koriyama City Konan Town Hamaji	68	Yabuki Town Akebono Town	97	Kawauchi Village Kamikawauchi	126	Iwaki City Taira		
11	Kawanata Town Kotsunagi	40	Koriyama City Ose Town Tadano	69	Tanagura Town Yamagiwa	98	Kawauchi Village Kamikawauchi	127	Iwaki City Izumi Town		
12	Kawanata Town Kotsunagi	41	Koriyama City Mihota Town Shimomoriya	70	Inawashiro Town Yamagata	99	Okuma Town Kuma	128	Iwaki City Miwa Town		
13	Kawanata Town Kotsunagi	42	Koriyama City Konan Town Fukura	71	Minaamisoma City Kashima Ward Isabara	100	Okuma Town Nogami	129	Iwaki City Ogawa Town		
14	Otama Village Oyama	43	Sukagawa City Namegawa	72	Minaamisoma City Kashima Ward Kamitochi	101	Okuma Town Kuma	130	Iwaki City Tairashimokabeya		
15	Tamura City Takine Town Kamnata	44	Sukagawa City Iwabuchi	73	Minaamisoma City Haramachi Ward Okido	102	Okuma Town Ogawara	131	Iwaki City Yoshima Town		
16	Tamura City Takine Town Hirose	45	Sukagawa City Ogura	74	Minaamisoma City Haramachi Ward Okido	103	Futaba Town Mizusawa	132	Iwaki City Uchigotsuzura Town		
17	Tamura City Ogoe Town Magino	46	Sukagawa City Tanegaoaka	75	Minaamisoma City Haramachi Ward Ishigami	104	Futaba Town Shibukawa	133	Iwaki City Tairamanouchi		
18	Tamura City Ogoe Town Shimo-ogoe	47	Sukagawa City Hokonuski	76	Minaamisoma City Haramachi Ward Shidaza	105	Namie Town Onoda	134	Iwaki City Kashima Town		
19	Tamura City Miyakoji Town Iwaizawa	48	Sukagawa City Konaka	77	Minaamisoma City Haramachi Ward Fukome	106	Namie Town Murohara	135	Iwaki City Onahama		
20	Tamura City Miyakoji Town Iwaizawa	49	Sukagawa City Hatada	78	Minaamisoma City Haramachi Ward Ota	107	Namie Town Yatsuda	136	Iwaki City Joban		
21	Tamura City Miyakoji Town Furumichi	50	Kagamishi Town Suwa Town	79	Minaamisoma City Odaka Ward Otomi	108	Namie Town Obori	137	Iwaki City Obama Town		
22	Tamura City Miyakoji Town Furumichi	51	Kagamishi Town Okanouchi	80	Minaamisoma City Odaka Ward Koyagi	109	Katsurao Village Ochiai	138	Iwaki City Nishiki Town		
23	Tamura City Tokiwa Town	52	Tenei Village Itoyo	81	Hirono Town Shimokitaba	110	Katsurao Village Ochiai	139	Iwaki City Yamada Town		
24	Tamura City Funehiki Town Okura	53	Tenei Village Tarao	82	Hirono Town Kamiatsugawa	111	Katsurao Village Ochiai	140	Iwaki City Tono Town Katono		
25	Tamura City Funehiki Town Nakayama	54	Ishikawa Town Yanoneda	83	Hirono Town Oriki	112	Katsurao Village Nougawa	141	Iwaki City Iritono		
26	Tamura City Funehiki Town Funehiki	55	Ishikawa Town Nakada	84	Hirono Town Oriki	113	Katsurao Village Katsurao	142	Iwaki City Tabito Town		
27	Koriyama City Nakata Town Nakatsugawa	56	Tamakawa Village Odaka	85	Hirono Town Kamikitaba	114	Katsurao Village Katsurao	143	Iwaki City Nagasaki		
28	Koriyama City Tamura Town Tanegami	57	Miharu Town Serigasawa	86	Naraha Town Oya	115	Katsurao Village Katsurao	144	Naraha Town Kamikobana		
29	Koriyama City Hiwada Town Hiwada	58	Miharu Town Shimomogi	87	Naraha Town Kamikobana	116	Katsurao Village Ochiai	145	Naraha Town Oya		

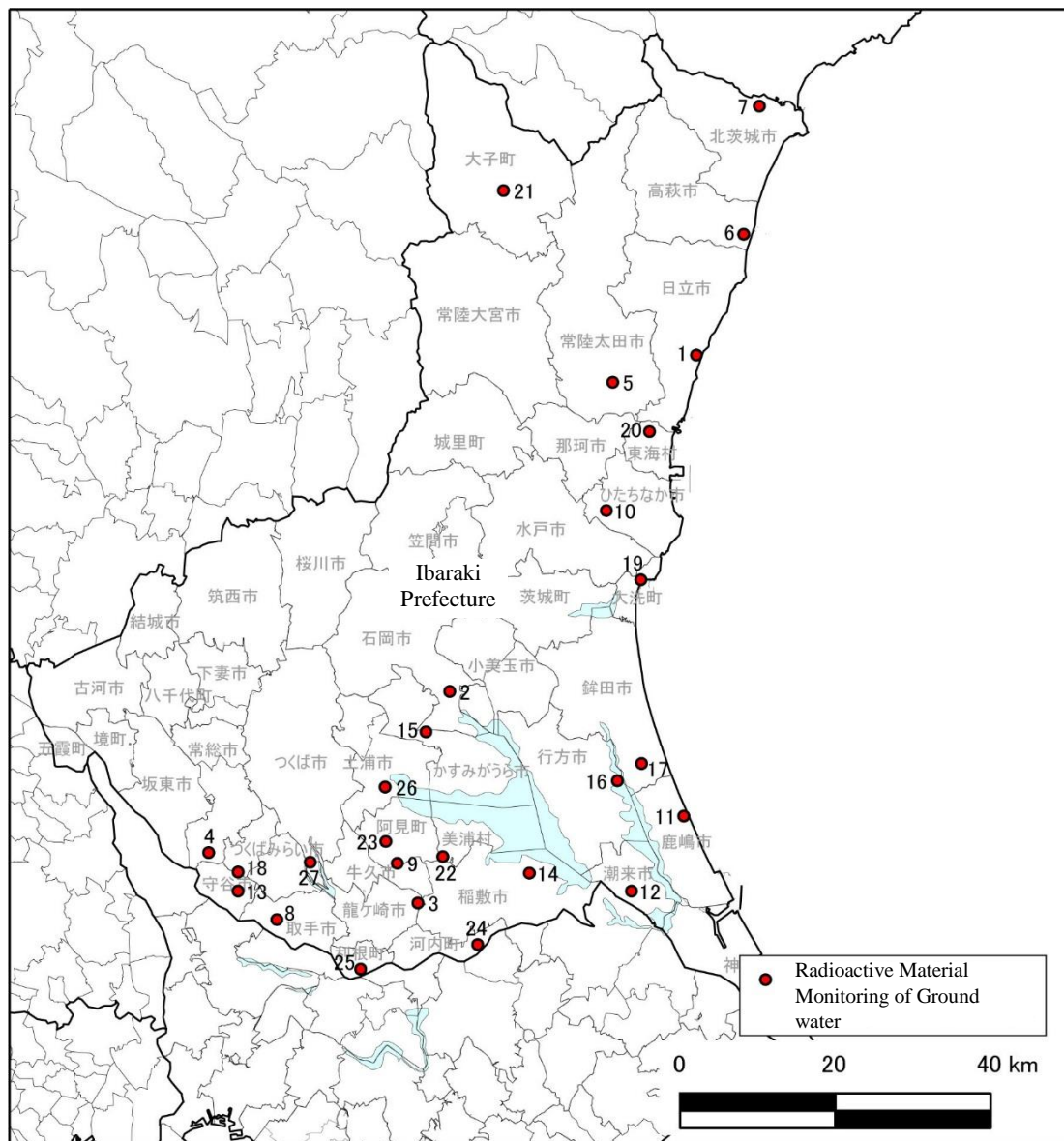
Results of Groundwater Monitoring [Ibaraki Prefecture]

(Annex 4)

No.	District	Sampling Date	Activity concentration (Bq/L)			Remarks
			I-131	Cs		
				Cs-134	Cs-137	
1	Hitachi City Higashi-Narusawa Town	2012/7/2	ND	ND	ND	
2	Ishioka City Oyatsu	2012/7/5	ND	ND	ND	
3	Ryugasaki City Itabashi Town	2012/7/6	ND	ND	ND	
4	Joso City Uchimoriya Town	2012/7/8	ND	ND	ND	
5	Hitachiota City Kanai Town	2012/7/3	ND	ND	ND	
6	Takahagi City Yamato Town	2012/7/2	ND	ND	ND	
7	Kitaibaraki City Sekimoto Town Fujigaoka	2012/7/2	ND	ND	ND	
8	Toride City Terada	2012/7/5	ND	ND	ND	
9	Ushiku City Kuno Town	2012/7/5	ND	ND	ND	
10	Hitachinaka City Horiguchi	2012/7/3	ND	ND	ND	
11	kashima City Tsunoore	2012/7/4	ND	ND	ND	
12	Itako City Tsuji	2012/7/4	ND	ND	ND	
13	Moriya City Hon Town	2012/7/6	ND	ND	ND	
14	Inashiki City Sukazu	2012/7/6	ND	ND	ND	
15	Kasumigaura City Shimoinayoshi	2012/7/5	ND	ND	ND	
16	Namegata City Yamada	2012/7/4	ND	ND	ND	
17	Hokota City Okura	2012/7/4	ND	ND	ND	
18	Tsukubamirai City Tsutsudo	2012/7/8	ND	ND	ND	
19	Oarai Town Onuki Town	2012/7/3	ND	ND	ND	
20	Tokai Village Ishigamiuchijuku	2012/7/3	ND	ND	ND	
21	Daigo Town Kitatage	2012/7/2	ND	ND	ND	
22	Miho Village	2012/7/6	ND	ND	ND	
23	Ami Town Kaminaga	2012/7/5	ND	ND	ND	
24	Kawachi Town Kanaetsu	2012/7/6	ND	ND	ND	
25	Tone Town Fukawa	2012/7/5	ND	ND	ND	
26	Tsuchiura City Komatsu	2012/7/5	ND	ND	ND	
27	Tsukuba City Iwasaki	2012/7/8	ND	ND	ND	

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)

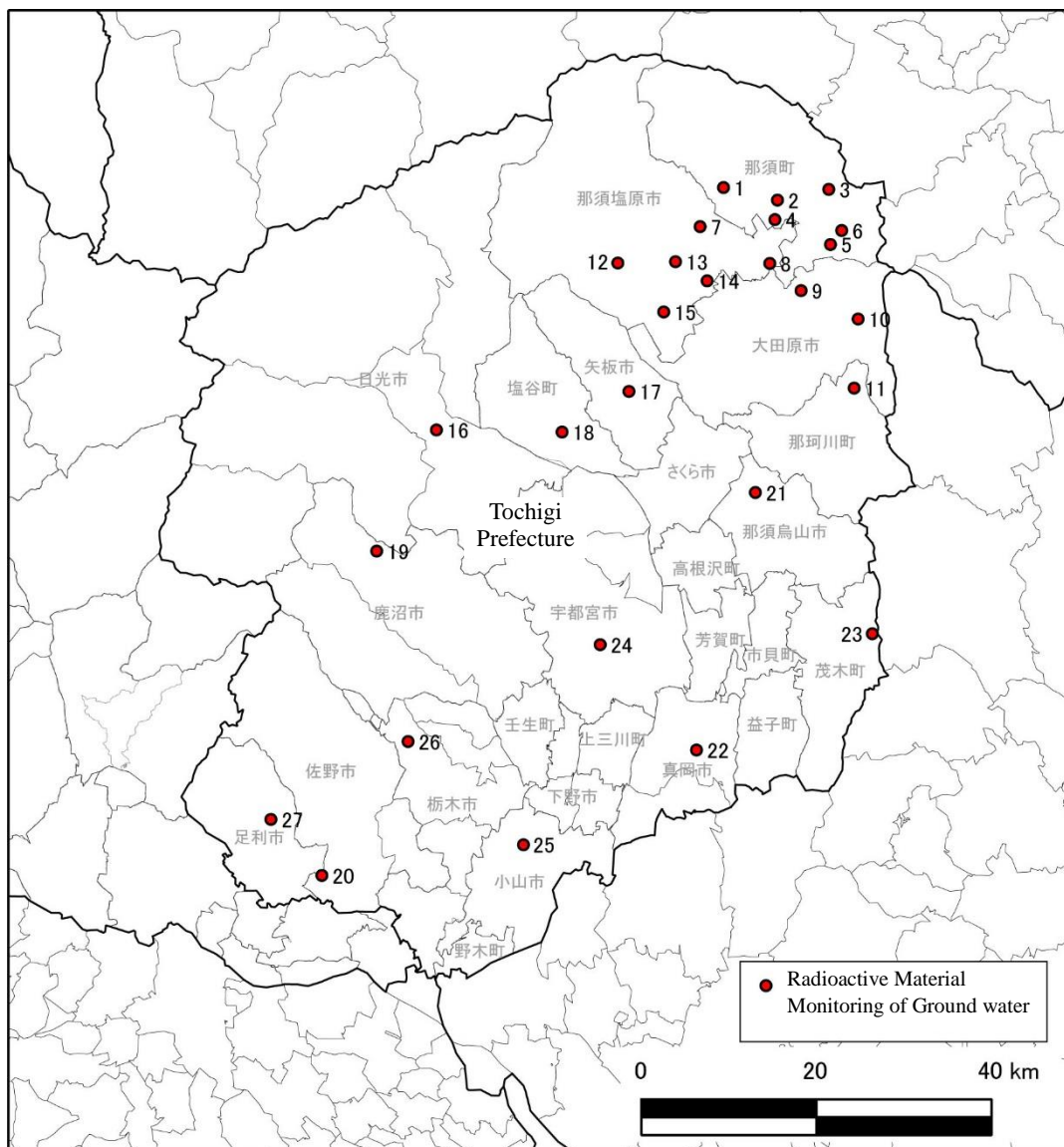


No.	District	No.	District	No.	District
1	Hitachi City Higashi-Narusawa Town	10	Hitachinaka City Horiguchi	19	Oarai Town Onuki Town
2	Ishioka City Oyatsu	11	kashima City Tsunoore	20	Tokai Village Ishigamiuchijuku
3	Ryugasaki City Itabashi Town	12	Itako City Tsuji	21	Daigo Town Kitatage
4	Joso City Uchimoriya Town	13	Moriya City Hon Town	22	Miho Village
5	Hitachiota City Kanai Town	14	Inashiki City Sukazu	23	Ami Town Kaminaga
6	Takahagi City Yamato Town	15	Kasumigaura City Shimoinayoshi	24	Kawachi Town Kanaetsu
7	Kitaibaraki City Sekimoto Town Fujigaoka	16	Namegata City Yamada	25	Tone Town Fukawa
8	Toride City Terada	17	Hokota City Okura	26	Tsuchiura City Komatsu
9	Ushiku City Kuno Town	18	Tsukubamirai City Tsutsudo	27	Tsukuba City Iwasaki

No.	District	Sampling Date	Activity concentration (Bq/L)			Remarks
			I-131	Cs		
				Cs-134	Cs-137	
1	Nasu Town Takakuko	2012/7/12	ND	ND	ND	
2	Nasu Town Terakotsu	2012/7/12	ND	ND	ND	
3	Nasu Town Yokoka	2012/7/12	ND	ND	ND	
4	Nasu Town Terakotsu	2012/7/12	ND	ND	ND	
5	Nasu Town Owasu	2012/7/12	ND	ND	ND	
6	Nasu Town Azusa	2012/7/12	ND	ND	ND	
7	Nasushiobara City Sakitama	2012/7/11	ND	ND	ND	
8	Nasushiobara City Nabekake	2012/7/11	ND	ND	ND	
9	Otawara City Nakanouchi	2012/7/10	ND	ND	ND	
10	Otawara City Kawakami	2012/7/10	ND	ND	ND	
11	Nakagawa Town Oyamada Kamigo	2012/7/10	ND	ND	ND	
12	Nasushiobara City Shimotano	2012/7/11	ND	ND	ND	
13	Nasushiobara City Sasanuma	2012/7/11	ND	ND	ND	
14	Nasushiobara City Numanotawa	2012/7/11	ND	ND	ND	
15	Nasushiobara City Nishimishima	2012/7/11	ND	ND	ND	
16	Nikko City Kobyaku	2012/7/8	ND	ND	ND	
17	Yaita City Honcho Town	2012/7/10	ND	ND	ND	
18	Shioya Town Iioka	2012/7/7	ND	ND	ND	
19	Kanuma City Kusagyu	2012/7/13	ND	ND	ND	
20	Sano City Murakami Town	2012/7/7	ND	ND	ND	
21	Nasukarasuyama City Shimokawai	2012/7/10	ND	ND	ND	
22	Moka City Aramachi Town	2012/7/9	ND	ND	ND	
23	Motegi Town Iino	2012/7/9	ND	ND	ND	
24	Utsunomiya City Yanaze Town	2012/7/9	ND	ND	ND	
25	Oyama City Shimada	2012/7/9	ND	ND	ND	
26	Tochigi City Umenozawa Town	2012/7/7	ND	ND	ND	
27	Ashikaga City Sugeta Town	2012/7/6	ND	ND	ND	

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)



No.	District	No.	District	No.	District
1	Nasu Town Takakuko	10	Otawara City Kawakami	19	Kanuma City Kusagyu
2	Nasu Town Terakotsu	11	Nakagawa Town Oyamada Kamigo	20	Sano City Murakami Town
3	Nasu Town Yokoka	12	Nasushiobara City Shimotano	21	Nasukarasuyama City Shimokawai
4	Nasu Town Terakotsu	13	Nasushiobara City Sasanuma	22	Moka City Aramachi Town
5	Nasu Town Owasu	14	Nasushiobara City Numanotawa	23	Motegi Town Iino
6	Nasu Town Azusa	15	Nasushiobara City Nishimishima	24	Utsunomiya City Yanaze Town
7	Nasushiobara City Sakitama	16	Nikko City Kobayaku	25	Oyama City Shimada
8	Nasushiobara City Nabekake	17	Yaita City Honcho Town	26	Tochigi City Umenozawa Town

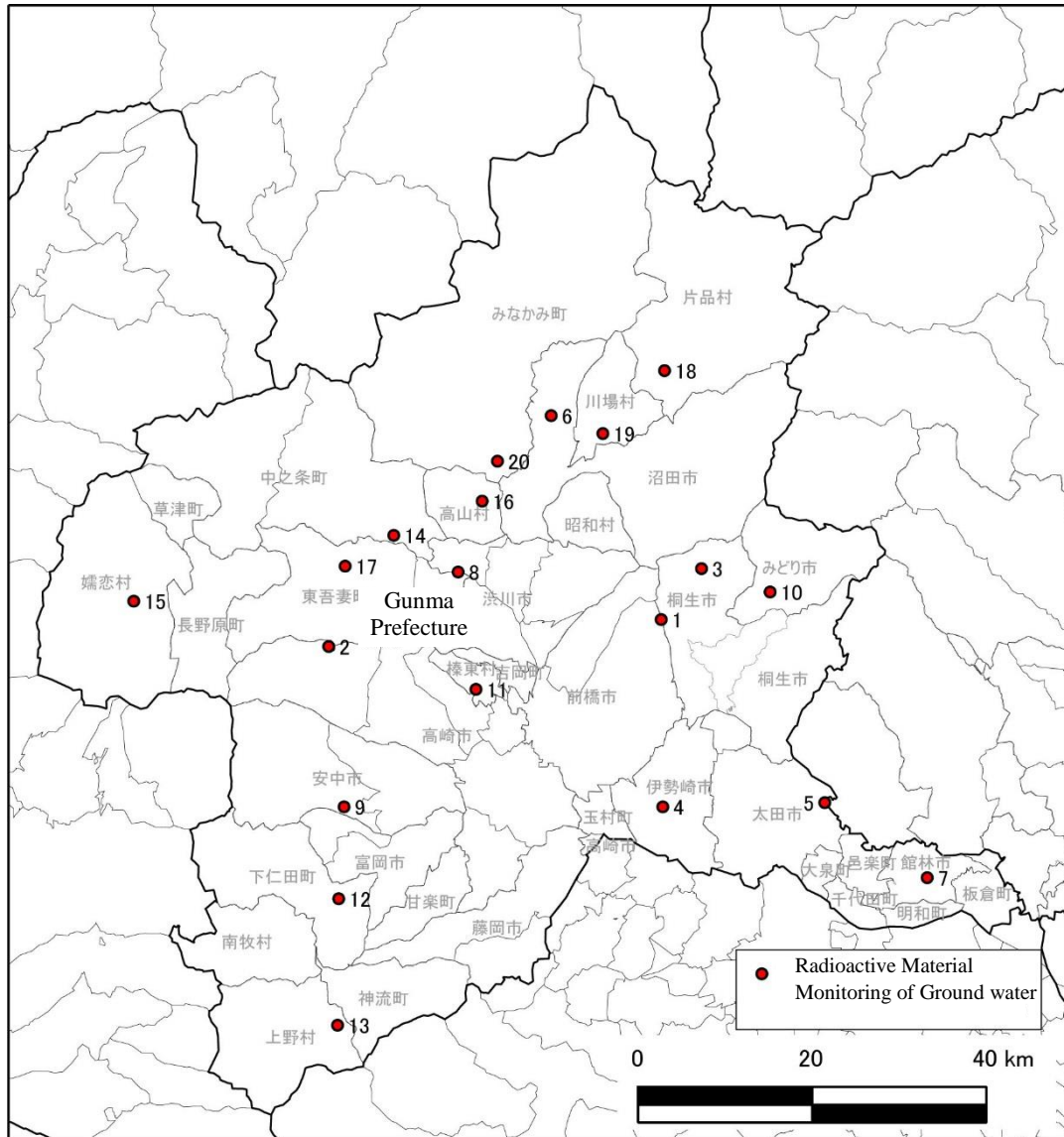
Results of Groundwater Monitoring [Gunma Prefecture]

(Annex 6)

No.	District	Sampling Date	Activity concentration (Bq/L)			Remarks
			I-131	Cs		
				Cs-134	Cs-137	
1	Maebashi City Kasukawa Town Nakanosawa	2012/7/5	ND	ND	ND	
2	Takasaki City Kurabu Town Gonda	2012/7/2	ND	ND	ND	
3	Kiryu City Kurohone Town Shimotazawa	2012/7/5	ND	ND	ND	
4	Isesaki City Imaizumi Town 1 cho-me	2012/7/6	ND	ND	ND	
5	Ota City Uekino Town	2012/7/6	ND	ND	ND	
6	Numata City Sayama Town	2012/7/4	ND	ND	ND	
7	Tatebayashi City Shiro Town	2012/7/6	ND	ND	ND	
8	Shibukawa City Onoko	2012/7/5	ND	ND	ND	
9	Annaka City Matsuida Town Yashiro	2012/7/2	ND	ND	ND	
10	Midori City Azuma Town Konaka	2012/7/6	ND	ND	ND	
11	Shinto Village Hirobaba	2012/7/5	ND	ND	ND	
12	Shimonita Town Shimonita	2012/7/2	ND	ND	ND	
13	Ueno Village Katsuyama	2012/7/2	ND	ND	ND	
14	Nakajyo Town Ise Town	2012/7/3	ND	ND	ND	
15	Tsumagoi Village Omae	2012/7/3	ND	ND	ND	
16	Takayama Village Nakayama	2012/7/3	ND	ND	ND	
17	Higashi-Agatsuma Town Gobara	2012/7/3	ND	ND	ND	
18	Katashina Village Hanasaku	2012/7/4	ND	ND	ND	
19	Kawaba Village Nakano	2012/7/4	ND	ND	ND	
20	Minakami Town Shimozu	2012/7/4	ND	ND	ND	

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)



No.	District	No.	District	No.	District
1	Maebashi City Kasukawa Town Nakanosawa	8	Shibukawa City Onoko	15	Tsumagoi Village Omae
2	Takasaki City Kurabu Town Gonda	9	Annaka City Matsuida Town Yashiro	16	Takayama Village Nakayama
3	Kiryu City Kurohone Town Shimotazawa	10	Midori City Azuma Town Konaka	17	Higashi-Agatsuma Town Gobara
4	Isesaki City Imaizumi Town 1 cho-me	11	Shinto Village Hirobaba	18	Katashina Village Hanasaki
5	Ota City Uekino Town	12	Shimonita Town Shimonita	19	Kawaba Village Nakano
6	Numata City Sayama Town	13	Ueno Village Katsuyama	20	Minakami Town Shimozu
7	Tatebayashi City Shiro Town	14	Nakajyo Town Ise Town		

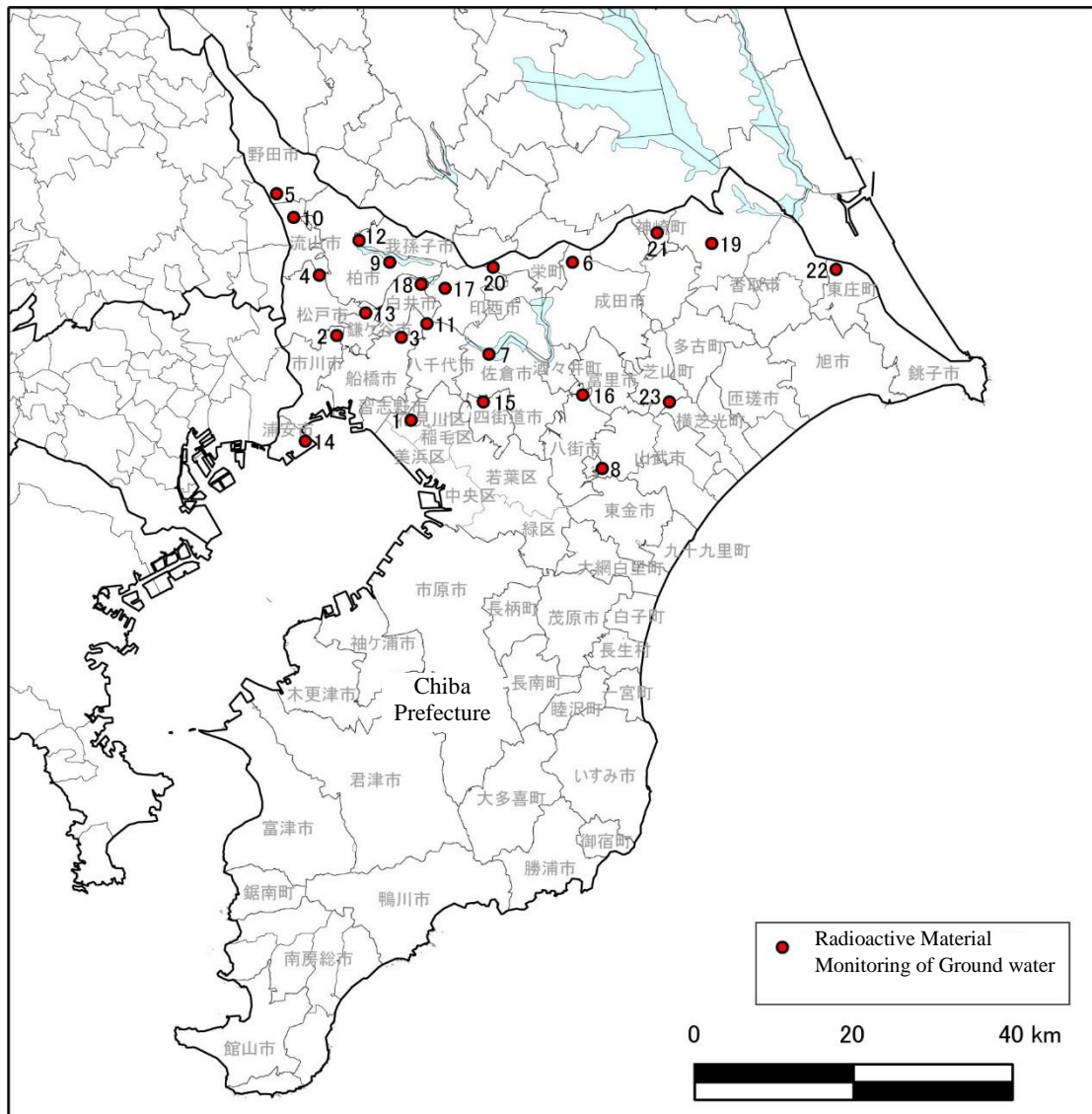
Results of Groundwater Monitoring [Chiba Prefecture]

(Annex 7)

No.	District	Sampling Date	Activity concentration (Bq/L)			Remarks
			I-131	Cs		
				Cs-134	Cs-137	
1	Chiba City Hanamigawa Ward Hata Town	2012/7/11	ND	ND	ND	
2	Ichikawa City Omachi Town	2012/7/9	ND	ND	ND	
3	Funabashi City Jinbo Town	2012/7/10	ND	ND	ND	
4	Matsudo City Negiuchi	2012/7/9	ND	ND	ND	
5	Noda City Imagami	2012/7/9	ND	ND	ND	
6	Narita City Kitahadori	2012/7/11	ND	ND	ND	
7	Sakura City Usuidai	2012/7/13	ND	ND	ND	
8	Togane City Kamifuda	2012/7/12	ND	ND	ND	
9	Kashiwa City Washinoya	2012/7/9	ND	ND	ND	
10	Nagareyama City Mihara	2012/7/10	ND	ND	ND	
11	Yachiyo City Koike	2012/7/10	ND	ND	ND	
12	Abiko City Funado	2012/7/9	ND	ND	ND	
13	Kamagaya City Awano	2012/7/9	ND	ND	ND	
14	Urayasu City Hinode	2012/7/13	ND	ND	ND	
15	Yotsukaido City Uchikuroda	2012/7/12	ND	ND	ND	
16	Yachimata City Yachimataha	2012/7/12	ND	ND	ND	
17	Inzai City Ogura	2012/7/10	ND	ND	ND	
18	Shiroishi City Hiratsuka	2012/7/10	ND	ND	ND	
19	Katori City Osaki	2012/7/11	ND	ND	ND	
20	Sakae Town Nishi	2012/7/10	ND	ND	ND	
21	Kanzaki Town Tachino	2012/7/11	ND	ND	ND	
22	Tonosho Town Sasagawa	2012/7/11	ND	ND	ND	
23	Shibayama Town Shibayama	2012/7/12	ND	ND	ND	

Note) Measurement results are indicated as ND when detected values were below the detection limit of activity concentrations (1 Bq/L).

(Map attached)



No.	District	No.	District	No.	District
1	Chiba City Hanamigawa Ward Hata Town	9	Kashiwa City Washinoya	17	Inzai City Ogura
2	Ichikawa City Omachi Town	10	Nagareyama City Mihara	18	Shiroishi City Hiratsuka
3	Funabashi City Jinbo Town	11	Yachiyo City Koike	19	Katori City Osaki
4	Matsudo City Negiuchi	12	Abiko City Funado	20	Sakae Town Nishi
5	Noda City Imagami	13	Kamagaya City Awano	21	Kanzaki Town Tachino
6	Narita City Kitahadori	14	Urayasu City Hinode	22	Tonosho Town Sasagawa
7	Sakura City Usuidai	15	Yotsukaido City Uchikuroda	23	Shibayama Town Shibayama
8	Togane City Kamifuda	16	Yachimata City Yachimataha		