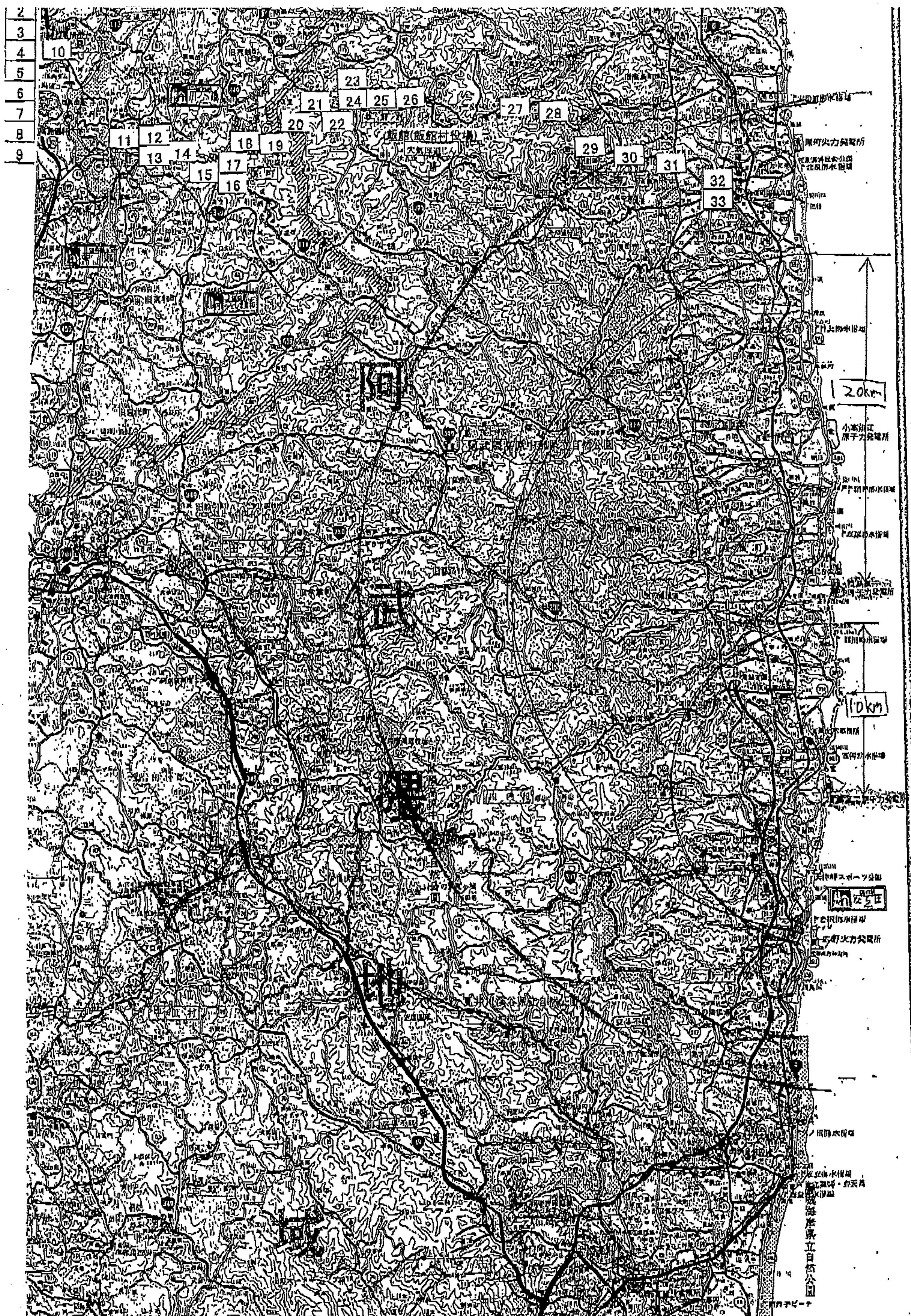
Readings of Environmental Radiation Level in emergency monitoring (Group 1) (3/22)

	2011/3/22	Measurement (μSv/h)							
	Sampling Points (Fukushima→Kawamata→Iitate→Minamisoma)	Fukushima→Kawamata→Iitate→Minamisoma				Minamisoma→Iitate→Kawamata→Fukushima			
		Measurement Time	Readings	Readings (Outside the car)	Notes	Measurement Time	Readings	Readings (Outside the car)	Notes
1	Fukushima(Fukushima Branch)	10:11	1.2			15:47	1.0		
2	Fukushima								
3	Fukushima					15:42	2.2		
4	Fukushima	10:19	3.4						
5	Fukushima	10:19	3.4			15:39	3.3		
6	Fukushima	10:21	3.4			15:36	2.9		
7	Fukushima	10:23	3.7			15:35	3.6		
8	Fukushima	10:27	4.0			15:27	3.1		
9	Fukushima	10:29	7.6			15:27	7.1		
10	Fukushima	10:31	5.5	7.8		15:22	4.8	7.4	Ground Level:9.5
11	Fukushima	10:39	3.0			15:18	3.5		
12	Fukushima	10:41	2.9			15:15	2.9		
13	Kawamata	10:45	2.9			15:13	2.7		
14	Kawamata	10:47	2.7			15:10	2.1		
15	Kawamata	10:50	2.1			15:08	2.2		
16	Kawamata	10:52	2.7			15:06	2.5		
17	Kawamata								
18	Kawamata	10:54	2.5			15:02	2.0		
19	Kawamata	10:57	2.5		Collected samples:Land soil･Leaf Vegetable･Drinking Water･Dust	14:56	2.8		
20	Kawamata	11:32	1.7			14:55	1.8		
21	Kawamata･Iitate	11:39	4.0	6.5	Ground Level:9.8	14:45	5.0	7.5	Ground Level:8.5
22	Iitate	11:49	5.1			14:43	5.8		
23	Iitate	11:50	10.5						
24	Iitate	11:52	14.3			14:40	13.0		
25	Iitate	11:55	17.5	27.0	Collected samples: Land soil･ Leaf Vegetable･ Pond Water				
26	Iitate	12:07	10.5			14:37	11.0		
27	Iitate	12:52	10.5	15.3	Ground Level:19.5	14:31	11.7	10.5	Ground Level:24.0
	Iitate (Iitate village office)	12:13	8.3	16.0	Collected samples:Dust				
28	Iitate	13:01	8.9	14.6	Ground Level:18.1	14:22	9.7	15.6	Ground Level:22.2
29	Minamisoma	13:05	7.3			14:20	8.3		
30	Minamisoma	13:12	1.7			14:13	6.4		
31	Minamisoma	13:17	3.8			14:08	3.7		
32	Minamisoma	13:18	2.3			14:06	1.9		
33	Minamisoma	13:22	1.2	1.8	Ground Level:2.3	14:02	1.1		

Readings of Environmental Radiation Level in emergency monitoring (Group 2) (3/22)

	2011/3/22	Measurement（μSv/h)							
	Sampling Points	Fukushima→Tamura→Ono→Iwaki				Iwaki→Ono→Tamura→Fukushima			
		Measurement Time	Readings (inside the car)	Readings (Outside the car)	Notes	Measurement Time	Readings (inside the car)	Readings (Outside the car)	Notes
1	Fukushima(Fukushima Branch)	10:14	1.4		Fair				
	Fukushima					17:00	1.2		
	Fukushima					16:58	2.0		
	Fukushima					16:54	2.7		
	Fukushima					16:38	1.7		
2	Fukushima	10:31	5.8						
3	Fukushima	10:35	3.0						
4	Kawamata								
5	Kawamata	10:47	2.1						
6	Kawamata	10:50	2.3			16:31	2.2		
7	Kawamata	10:51	2.1			16:30	2.3		
8	Kawamata	10:58	2.3			16:23	1.4		
9	Nihonmatsu(Towa Branch)	11:00	1.8			16:20	1.6		
10	Nihonmatsu	11:04	2.4			16:17	2.1		
11	Nihonmatsu	11:08	2.0			16:13	2.0		
12	Nihonmatsu・Kawamata	11:12	1.6			16:09	1.5		
13	Tamura	11:15	1.1	1.6	Cloudy	16:05	1.2	1.6	Cloudy
14	Tamura	11:25	0.6	0.6	※ Cloudy	15:54	0.6	0.6	Cloudy
15	Tamura	12:06	0.7			15:48	0.6		
16	Tamura	12:12	0.6			15:41	0.6		
17	Tamura	12:13	0.9			15:39	0.6		
18	Ono	12:16	0.7		rainy street	15:35	0.6		
19	Ono	12:23	0.7		Rain(light)	15:30	0.6		
20	Ono	12:23	0.7			15:30	0.6		
21	Ono	12:25	0.7		Cloudy	15:29	0.6		
22	Ono(Ono town office)	12:29	0.6	0.4	※ Cloudy	15:25	0.6	0.5	Cloudy
23	Ono	13:03	0.5			15:16	0.7		
24	Ono	13:07	0.6			15:15	0.7		
25	Iwaki	13:14	0.7			15:09	0.7		
	Iwaki	13:17	1.0			15:07	0.8		
26	Iwaki	13:30	1.7			14:53	1.8		
27	Iwaki	13:39	2.2			14:44	2.2		
28	Ono								
29	Ono								
30	Iwaki								
31	Iwaki								
32	Iwaki								
33	Iwaki								
34	Iwaki								
35	Iwaki								
36	Iwaki								
37	Iwaki								
38	Iwaki								
39	Iwaki								
40	Iwaki								
41	Iwaki (Iwaki joint government building)	13:50	1.2	1.5	※ Cloudy	leave at 14:32			

※Collected samples:Land soil・Leaf Vegetable・Drinking Water・Dust



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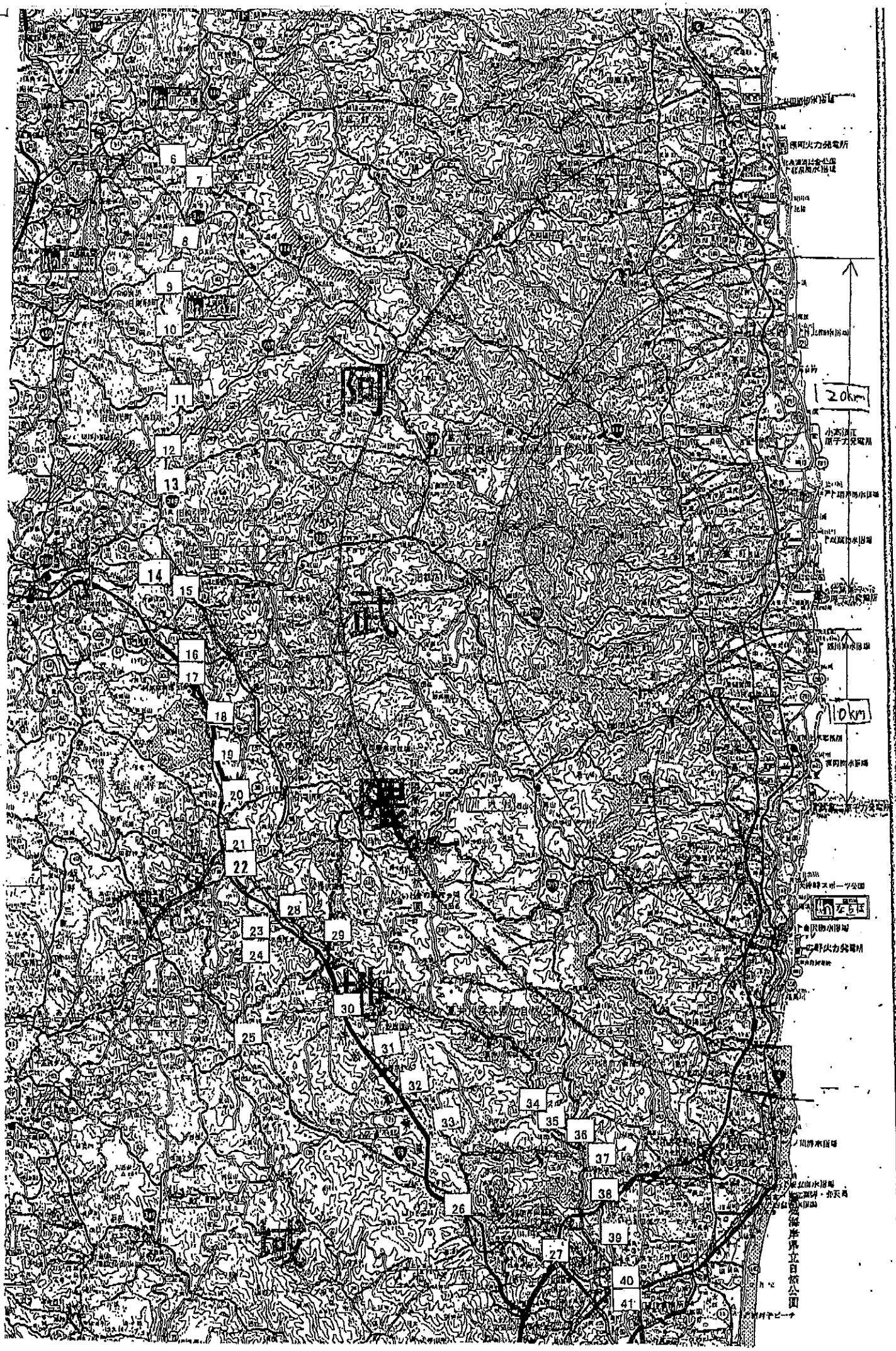
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Radiation in Daily-life

※Unit : μSv

Radiation dose (microsievert: μSv)

250,000

50,000

10,000

1,000

100

10

Upper limit of radiation dose permitted for people who engage in emergency work.

[250,000 μSv/year]

Upper limit of radiation dose permitted for radiation workers, police , and firefighters who engage in disaster prevention.

[50,000 μSv/year]

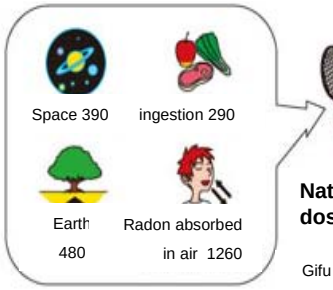
[～10,000 μSv/year]

Radiation dose in Guarapari(Brazil) per year.

Chest CT scan

[6,900 μSv/each time]

[～2,400 μSv/year]



Global average

Natural radiation dose per year.

Dose limit for public per year (except for medical care).

[1,000 μSv/year]

Gifu ⟷ Kanagawa

Maximum difference of the average of natural radiation dose in each prefecture.

[～400 μSv/year]

gastrointestinal X-ray examination.

[600 μSv/each time]

An air travel between Tokyo and New York (RT).

(Increased cosmic radiation at high altitude.)

[～200 μSv/round trip]

[50 μSv/each time]

Chest X-ray examination.

[22 μSv/year]

Evaluated dose of radiation from radioactive substance emitted from the nuclear fuel reprocessing plant per year.

[50 μSv/year]

Standard dose of radiation around a nuclear plant (light water reactor).

(Actual result is far below the value.)

[10 μSv/year]

Standard radiation dose from Clearance level.

※ Sv【Sievert】=Constant of organism effect by kind of radiation(※) × Gy【gray】

※ It is 1 in case of X ray and γ ray.

MEXT makes this, based on "Nuclear power 2002" made by Agency of Natural Resources and Energy.