（News Release）
The Results of Additional Radioactive Material Monitoring of the Surface Water Bodies

Friday, March 30, 2012
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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 date: October in Miyagi Prefecture, September in Fukushima Prefecture, September and October in Ibaraki Prefecture, October in Tochigi Prefecture, December in Gunma Prefecture, and November in Chiba Prefecture), and the results are released here.

1. Monitoring Overview
   (1) Additional monitoring locations
   Among the survey locations in each prefecture, those locations of which readings of radioactive cesium in sediment were relatively high:
   - Miyagi Prefecture: 3 locations (Rivers 2, Lake and headwater 1)
   - Fukushima Prefecture: 10 locations (Rivers 7,Lakes and headwaters 3)
   - Ibaraki Prefecture: 3 locations (River 1, Lakes and headwaters 2)
   - Tochigi Prefecture, Gunma Prefecture, Chiba Prefecture: 2 locations each (River 1, Lake and headwater 1)

   In total: 22 locations

   (2) Additional monitoring item
   Radiostrontium (Sr-90) in sediment

2. Outline of Results
   In all locations, the readings of radiostrontium (Sr-90) were within the range of measurements (soil samples) taken before the accident of the Tokyo Electric Power Company's Fukushima Daiichi Nuclear Power Station.

   ○ Sr-90 concentration detected in sediment in this additional monitoring: 0.4-6.8Bq/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）

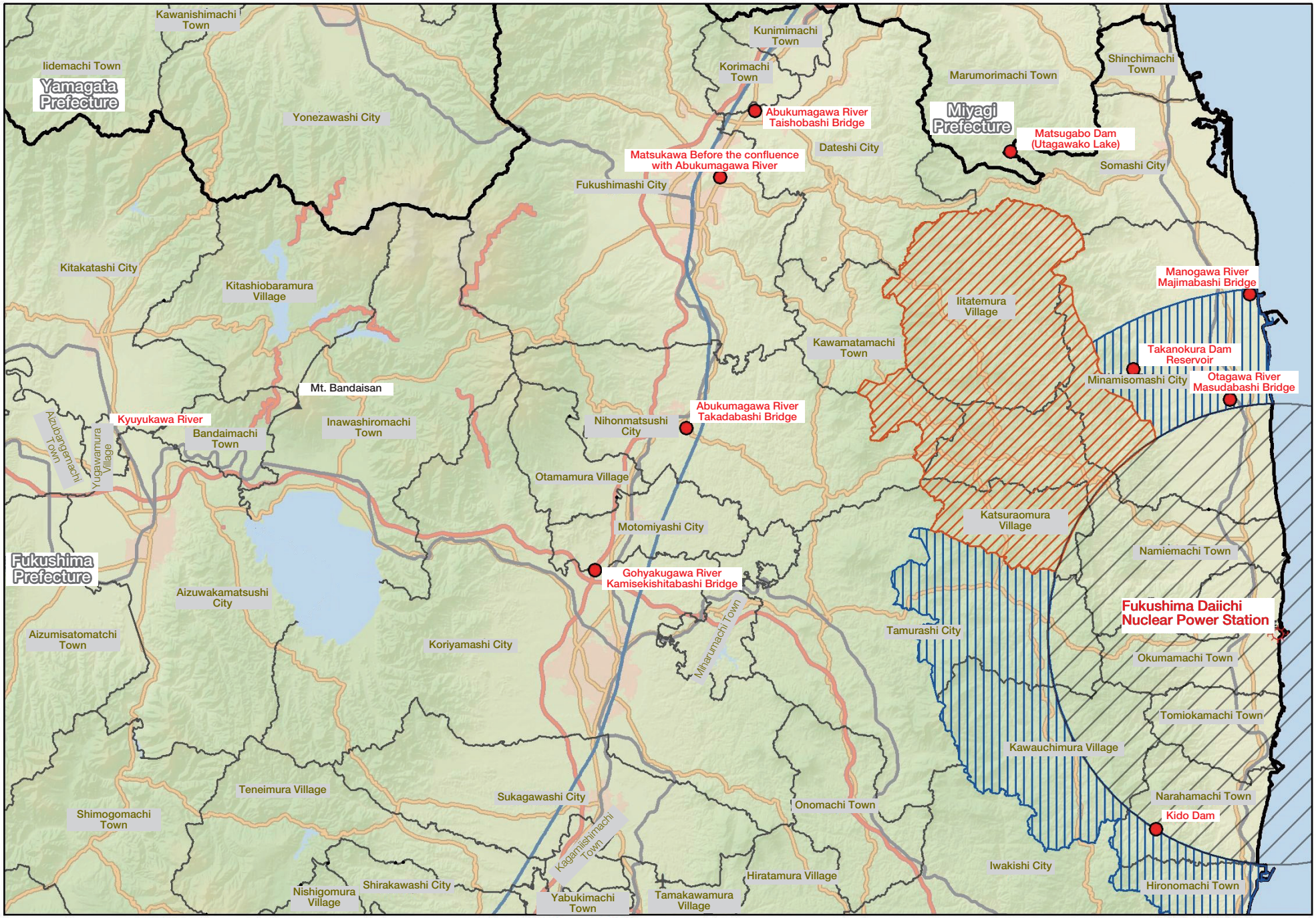
(Annex for details)
(Map attached)

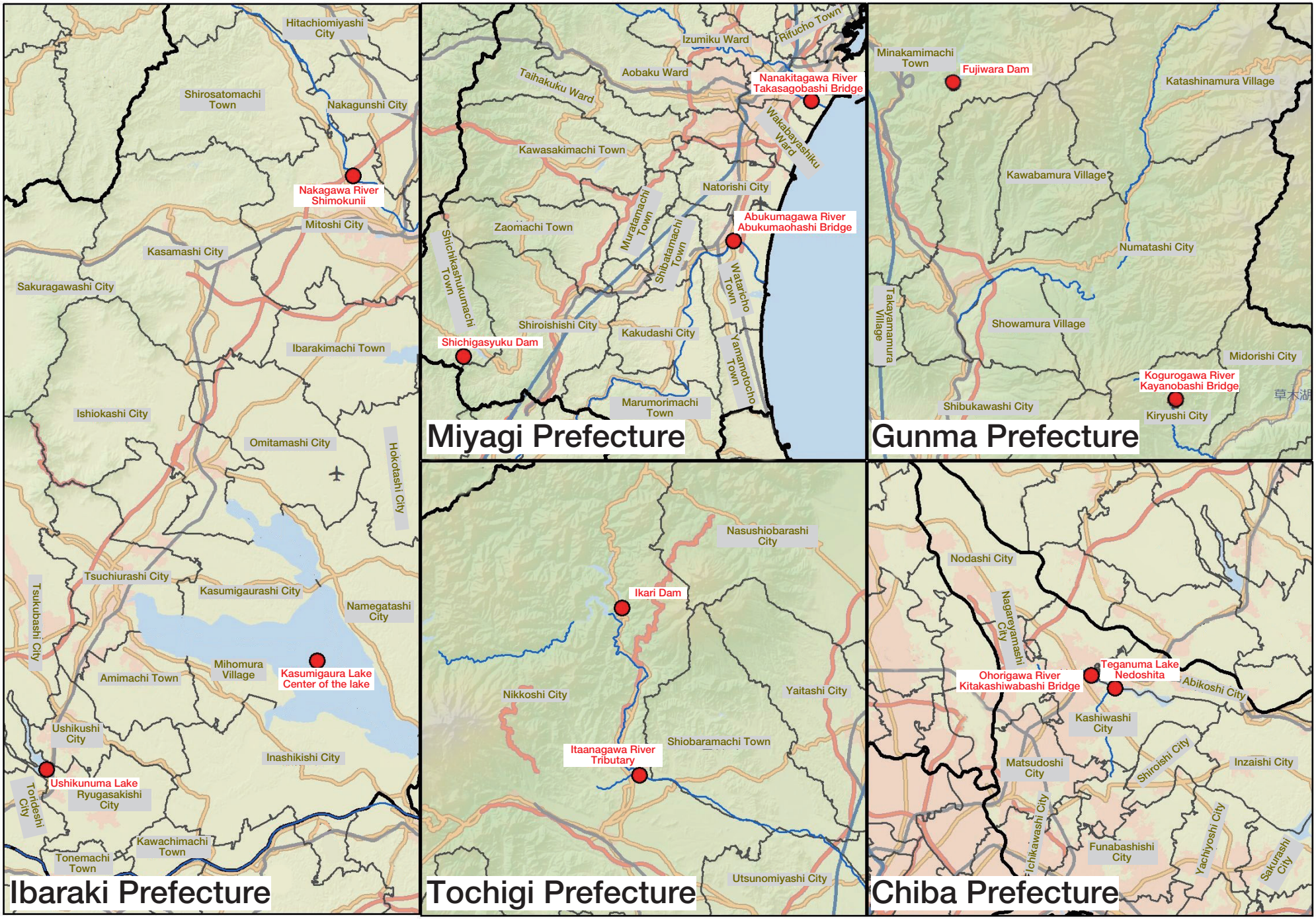
（Annex）

○Monitoring Results of Radiostrontium in Sediment of Surface Water Bodies (Rivers, and Lakes and Headwaters)

Prefecture		Water Body/Survey Location	Municipality	Specimen sampling date	(Rereleased)	(Rereleased)	(Rereleased)	Concentration of radioactive material in sediment			
								Radiostrontium		Radioactive cesium (rereleased)	
					Mud sampling depth	Mud content	Property	Sr-90	(Reference value *) Sr-89	Cs-134	Cs-137
					cm	%		Bq/kg (dried mud)	Bq/kg (dried mud)	Bq/kg (dried mud)	Bq/kg (dried mud)
Miyagi	Rivers	Nanakitagawa River, Takasagobashi Bridge	Sendaishi City	2011/10/14	5	54.0	Silt with sand	**1.1**	<2	5,000	6,100
		Abukumaohashi Bridge, Abukumagawa River	Iwanumashi City/Watarichо Town	2011/10/8	5	81.0	Sand	**0.4**	<2	44	47
	Lakes	Shichikashuku Dam		2011/10/6	10	34.1	Silt	**1.6**	<2	960	1,200
Fukushima	Rivers	Manogawa River, Majimabashi Bridge	Minamisomashi City	2011/9/16	10	30.1	Silt	**3.0**	<2	13,000	15,000
		Otagawa River, Masudabashi Bridge	Minamisomashi City	2011/9/16	5	47.3	Silt with sand	**4.1**	<2	27,000	33,000
		Gohyakugawa River, Kamisekishitabashi Bridge	Motomiyashi City	2011/9/16	5	46.1	Silt	**3.3**	<2	10,000	12,000
		Abukumagawa River, Takadabashi Bridge	Nihonmatsushi City	2011/9/15	10	43.9	Silt	**3.4**	<2	14,000	16,000
		Matsukawa River, before the confluence with Abukumagawa River	Fukushimashi City	2011/9/17	5	79.8	Sand with gravel	**1.2**	<2	7,000	8,200
		Abukumagawa River, Taishobashi Bridge	Dateshi City	2011/9/17	5	61.7	Sand with gravel	**1.8**	<2	6,400	7,800
		Kyuyukawa River, Awanomiyabashi Bridge	Yugawamura Village	2011/9/28	5	40.0	Silt	**1.9**	<2	5,900	7,100
	Lakes	Matsugabo Dam（Utagawa Lake）	Somashi City	2011/9/28	10	27.6	Silt	**4.2**	<2	10,000	12,000
		Takanokura Dam Reservoir	Minamisomashi City	2011/9/16	5	58.3	Gravel/sand with silt	**3.3**	<2	10,000	12,000
		Kido Dam	Narahamachi Town	2011/9/27	5	34.5	Silt with sand	**6.8**	<2	5,400	6,000
Ibaraki	Rivers	Nakagawa River, Shimokunii	Mitoshi City	2011/9/12	10	36.7	Silt with sand	**1.6**	<2	2,500	3,000
	Lakes	Kasumigaura Lake, center of the lake		2011/9/12	12	16.6	Silt	**3.3**	<2	81	140
		Ushikunuma Lake		2011/10/5	10	19.9	Silt	**0.7**	<2	850	990
Tochigi	Rivers	Itaanagawa River, tributary	Nikkoshi City	2011/10/9	3	61.0	Sand	**1.3**	<2	2,200	2,700
	Lakes	Ikari Dam		2011/10/18	10	34.8	Silt	**1.3**	<2	1,900	2,500
Gunma	Rivers	Kogurogawa River, Kayanobashi Bridge	Kiryushi City	2011/12/7	5	77.6	Sand with gravel	**0.7**	<2	140	200
	Lakes	Fujiwara Dam		2011/12/1	10	31.0	Silt	**2.0**	<2	2,000	2,600
Chiba	Rivers	Ohorigawa River, Kitakashiwabashi Bridge	Kashiwashi City	2011/11/1	3	77.6	Sand with gravel	**1.1**	<2	4,300	5,400
	Lakes	Teganuma Lake, Nedoshita		2011/11/1	5	29.0	Silt	**1.4**	<2	1,500	1,800

* Values for Sr-89 are given as reference due to unavailability of standard radiation source.


Kawanishimachi Town
Iidemachi Town
Yamagata Prefecture
Yonezawashi City
Kunimimachi Town
Korimachi Town
Abukumagawa River Taishobashi Bridge
Marumorimachi Town
Shinchimachi Town
Miyagi Prefecture
Matsugabo Dam (Utagawako Lake)
Dateshi City
Somashi City
Matsukawa Before the confluence with Abukumagawa River
Fukushimashi City
Kitakatashi City
Kitashiobaramura Village
Iitatemura Village
Manogawa River Majimabashi Bridge
Kawamatamachi Town
Takanokura Dam Reservoir
Minamisomashi City
Otagawa River Masudabashi Bridge
Mt. Bandaisan
Kyuyukawa River
Aizubangemachi Town
Yugawamura Village
Bandaimachi Town
Inawashiromachi Town
Nihonmatsushi City
Abukumagawa River Takadabashi Bridge
Otamamura Village
Katsuraomura Village
Motomiyashi City
Fukushima Prefecture
Gohyakugawa River Kamisekishitabashi Bridge
Namiemachi Town
Aizuwakamatsushi City
Fukushima Daiichi Nuclear Power Station
Tamurashi City
Aizumisatomachi Town
Koriyamashi City
Miharumachi Town
Okumamachi Town
Tomiokamachi Town
Kawauchimura Village
Teneimura Village
Sukagawashi City
Onomachi Town
Narahamachi Town
Kido Dam
Shimogomachi Town
Kagamiishimachi Town
Iwakishi City
Hiratamura Village
Hironomachi Town
Nishigomura Village
Shirakawashi City
Yabukimachi Town
Tamakawamura Village


Hitachiomiyashi City
Shirosatomachi Town
Nakagunshi City
Nakagawa River Shimokunii
Mitoshi City
Kasamashi City
Sakuragawashi City
Ibarakimachi Town
Ishiokashi City
Omitamashi City
Hokotashi City
Tsuchiurashi City
Kasumigaurashi City
Namegatashi City
Tsukubashi City
Mihomura Village
Amimachi Town
Kasumigaura Lake Center of the lake
Ushikushi City
Inashikishi City
Ushikunuma Lake
Ryugasakishi City
Toridoshi City
Kawachimachi Town
Tonemachi Town
Ibaraki Prefecture
Izumiku Ward
Rifucho Town
Aobaku Ward
Taihakuku Ward
Nanakitagawa River Takasagobashi Bridge
Wakabayashiku Ward
Kawasakimachi Town
Natorishi City
Abukumagawa River Abukumaohashi Bridge
Zaomachi Town
Muratamachi Town
Shibatamachi Town
Shichikashukumachi Town
Watarichō Town
Shichigasyuku Dam
Shiroishishi City
Kakudashi City
Yamamotochō Town
Marumorimachi Town
Miyagi Prefecture
Minakamimachi Town
Fujiwara Dam
Katashinamura Village
Kawabamura Village
Numatashi City
Takayanamura Village
Showamura Village
Midorishi City
Kogurogawa River Kayanobashi Bridge
Shibukawashi City
Kiryushi City
Gunma Prefecture
Nasushiobarashi City
Ikari Dam
Nikkoshi City
Yaitashi City
Shiobaramachi Town
Itaanagawa River Tributary
Utsunomiyashi City
Tochigi Prefecture
Nodashi City
Nagareyamashi City
Ohorigawa River Kitakashiwabashi Bridge
Teganuma Lake Nedoshita
Abikoshi City
Kashiwashi City
Matsudoshi City
Shiroishi City
Inzaishi City
Ichikawashi City
Funabashishi City
Yachiyoshi City
Sakurashi City
Chiba Prefecture