Corrected: Ver 2

<Reference>
April 5, 2012
Tokyo Electric Power Company

・Red: Changes from October 24 (Previous announcement), 2011 to March 30, 2012.

***2: In the previous correction (as of April 1), it was noted that the sampling frequency was changed from one a wekk to onece a month, though the correct is that the designated place is newly added "sampling point".**
***3: In the previsou correction (as of April 1), the sampling frequency after the correction was stated as "demise", though the correct is that sampling is and will be continued to be conducted once a month.**

(For the parts unnecessary to be corrected, their apperance might have been modified.)

Sampling Frequency and Nuclide Analysys Plan (March 30)

○Nuclide analysys results of gamma rays(1/4)

Condition	Place of Sampling		Before	After	Note
Soil	1F	Ground (West-northwest approx. 500m)	1/week*1	1/month	Revising sampling frequency with complete of the Road map (Step2 completion) towards restoration from the accident.
		Wild birds' forest (West approx. 500m)			
		Near the industrial waste disposal facility (South-southwest approx. 500m)			
Air	1F	West Gate of Fukushima Daiichi	1/day	same as on the left	
	2F	MP-1			
	1F	North Side Slope of Unit 1	1/week	same as on the left	Revising the plance of sampling from January 2012 Revising the plance of sampling from January 2012 with complete of the Road map (Step2 completion) towards restoration from the accident.
		West Side Slope of Unit 1 and Unit 2			
		West Side Slope of Unit 3 and Unit 4			
		Mountainside of Unit 1	1/month	demise	
		Mountainside of Unit 2			
		Mountainside of Unit 3			
		Environment Monitoring Building			
		Water Treatment Building			
		Switching Yard of Unit 5 and Unit 6			
		MP-1	1/week	same as on the left	
		MP-3			
		MP-8			Having added Survey Points at Sea Side Slope of Unit 1-4 since December 2011.
		Sea Side of Unit 1 - 4	–	1/week	
groundwater	1F	1U sub-drain near Turbine Building	3/week	same as on the left	Revising sampling frequency with complete of the Road map (Step2 completion) towards restoration from the accident.
		2U sub-drain near Turbine Building			
		3U sub-drain near Turbine Building			
		4U sub-drain near Turbine Building			
		5U sub-drain near Turbine Building		1/week	
		6U sub-drain near Turbine Building			
		Deep Well		same as on the left	
	1F	Sub-drain of northeast side Process Main Building	1/day	same as on the left	
		Sub-drain of southeast side Process Main Building			
		Sub-drain of south side Miscellaneous Solid Waste Volume Reduction Treatment Building			
		Sub-drain of southwest side On-site Bunker Building	1/week		
		Subdrain of west side Incineration Workshop Building	1/day		
		Sub-drain of north side Miscellaneous Solid Waste Volume Reduction Treatment Building			
		Sub-drain of southeast side On-site Bunker Building			

* Sampling freqeuncy is 2/week, and either will be analized. The other sampling should be analized when there appeared a change of the measurement.

○Nuclide analysys results of gamma rays(2/4)

Condition	Place of Sampling		Before	After	Note
Seawater inside Port	1F	shallow draft quay	1/day	same as on the left	
		North of Units 1 to 4 Water Intake			
		Screen of Unit 1 (outside the silt fence)			
		Screen of Unit 1 (inside the silt fence)			
		Screen of Unit 2 (outside the silt fence)			
		Screen of Unit 2 (inside the silt fence)			
		Screen of Unit 3 (outside the silt fence)			
		Screen of Unit 3 (inside the silt fence)			
		Screen of Unit 4 (outside the silt fence)			
		Screen of Unit 4 (inside the silt fence)			
		South of Units 1-4 Water Intake			
		in front of the Unit 6 Water Intake	–	1/week	The Survey Point in front of the Unit 6 Water Intake has been set since February 7, to grasp the situation of Unit 5,6 Water Intake.
Seawater out of Port	Coast	North Discharge Channel of Unit 5 and 6 of 1F	1/day	same as on the left	
		South Discharge Channel of 1F			
		North Discharge Channel of 2F		1/week	Revising the sampling frequancy due to the cancellation of a nuclear emergency situation of 2F, and reducing the Radioactivity Density in seawater. Improved the detection limits
		Iwasawa Seashore of 2F			
	within 20km range	3km offshore of Haramachi-ku	1/2days (Both Upper and Lower Layer)	demise	Survey Points moved to estuarine region
		3km offshore of Odaka-ku		1/week (Same as on the left)	Revising the sampling frequancy due to the destance far from 1F, and reducing the Radioactivity Density in seawater. Improved the detection limits
		Iwasawa Seashoreoffshore3km			
		8km offshore of Odaka-ku		demise	Survey Points moved to Fishing Grounds
		8km offshore of Iwasawa shore			
		15km offshore of Ukedo River			
		15 km Offshore of 1F		1/week (Same as on the left)	Improved the detection limits
		15 km Offshore of 2F		demise	Survey Points moved to Fishing Grounds
		Survey Points of Fishing Grounds (10 points, planned tentatively)	–	1/month (Upper layer, Lower layer)	Additional Survey Points set at Fishing Grounds
		3km offshore of Ukedo River	–	1/week (Sampled at 2 points, upper layer and lower layer)	Set to grasp the Radioactivity Density. Improved the detection limits
		3 km Offshore of 1F	–		
		3 km Offshore of 2F	–		
	within 30km range	1km offshore of Niidagawa *2	–	1/month (Same as on the left)	Survey Points moved to Fishing Grounds
		15 km Offshore of Minamisoma	1/week (Both Upper and Lower Layer)	demise	Survey Points moved to Fishing Grounds
		15km offshore of Iwasawa shore		1/month (Same as on the left)	Improved the detection limits
		15km offshore of Hirono town		demise	Sampling around the point instead
	out of 30km range	1km offshore of Natsuigawa	–	1/week (Sampled at 2 points, upper layer and lower layer)	Survey Points set at estuarine region
		3km offshore of North of Iwaki City	–	1/month (Same as on the left)	Improved the detection limits
		3km offshore of Natsui River	1/week (Both Upper and Lower Layer)	demise	Survey Points moved to estuarine region
		3km offshore of Onahama Port		1/month (Same as on the left)	Improved the detection limits
		3km offshore of Ena		demise	Sampling around the point instead
		3km offshore of Numanouchi		demise	Sampling around the point instead
		3km offshore of Toyoma		1/month (Same as on the left)	Improved the detection limits

○Nuclide analysys results of gamma rays(3/4)

Condition	Place of Sampling		Before	After	Note
Seawater out of Port	out of 30km range	3km offshore of Soma city	1/week (Both Upper and Lower Layer)	1/month (Same as on the left)	Improved the detection limits
		5km offshore of Soma city		demise	Sampling around the point instead
		5km offshore of Kashima		1/month (Same as on the left)	Improved the detection limits
		5km offshore of Natsui River		1/month (Same as on the left)	Improved the detection limits
Seawater out of Port	Offshore of Ibaraki Prefecture	3km offshore of Isohara Coast	–	1/month (Sampled at 2 points, upper layer and lower layer)	Revising the sampling frequancy due to reducing the Radioactivity Density in seawater. (1/week tentatively)
		3km offshore of Takatokohama Coast	1/week (Both Upper and Lower Layer)	1/month (Same as on the left)	
		3km offshore of Kujihama Coast			
		3km offshore of Oharai Coast			
		3km offshore of Hirai Coast			
		3km offshore of Hasaki Coast			
	Offshore of Miyagi Prefecture	Minami Sanriku	–	1/2weeks (Sampled at 2 points, upper layer and lower layer)	Improved the detection limits of seawater
		Ishimaki Bay	1/2weeks (Upper, Middle and Lower Layer)	Same as on the left	
		East side of Kinkasan			
		South side of Kinkasan			
		Shichigahama			
		Middle of Sendai Bay			
		Abukuma River			
Ocean Soil	within 20km range	3km offshore of Odaka-ku	1/month	Same as on the left *3	
		Iwasawa Seashoreoffshore3km			
		3km offshore of Ukedo	–	1/month	Sampling place added to see trend of radioactivity concentration
		3km offshore of 1F	–		
		2km offshore of 1F	–		
		1km offshore of Murakami, Okada-ku	–		Sampling places set to see the movement of nuclides at estuarine region
		2km offshore of Murakami, Okada-ku	–		
		1km offshore of Ukedo, Namie town	–		
		2km offshore of Ukedo, Namie town	–		
		3km offshore of Ukedo, Namie town	–		
		1 km offshore of Kumagawa, Ohkuma town	–		
		2 km offshore of Kumagawa, Ohkuma town	–		
		3 km offshore of Kumagawa, Ohkuma town	–		
		5 km offshore of Kumagawa, Ohkuma town	–		
		10 km offshore of Kumagawa, Ohkuma town	–		
		15 km offshore of Kumagawa, Ohkuma town	–		
		20 km offshore of Kumagawa, Ohkuma town	–		
		1km offshore of Yamadahama, Naraha town	–		
		Fishing Grounds (10 points will be set)	–		Points added for fishing grounds
	Coast	North Discharge Channel of Unit 5 and 6 of 1F	1/month	same as on the left	
		South Discharge Channel of 1F			
		North Discharge Channel of 2F			
		Iwasawa Seashore of 2F			
	within 20km range	3km offshore of Haramachi-ku		demise	Survey Points moved to estuarine region
		8km offshore of Odaka-ku		demise	Survey Points moved to Fishing Grounds
		8km offshore of Iwasawa shore		demise	Survey Points moved to Fishing Grounds
		15km offshore of Ukedo River		demise	Survey Points moved to Fishing Grounds
		15 km Offshore of 1F		same as on the left	
		15 km Offshore of 2F		demise	Survey Points moved to Fishing Grounds

○Nuclide analysys results of gamma rays(4/4)

Condition	Place of Sampling		Before	After	Note
Ocean Soil	within 30km range	1km offshore of Niida River	–	1/2months	Survey point set at estuarine region
		15km offshore of Minami-Souma City	1/month	demise	Survey Points moved to Fishing Grounds
		15km offshore of Iwasawa shore		1/2months	
		15km offshore of Hirono town		demise	Sampling other survey points instead
	out of 30km range	3km offshore of North of Iwaki City		1/2months	
		3km offshore of Natsui River		demise	Survey Points moved to estuarine region
		3km offshore of Onahama Port		1/2months	
		3km offshore of Ena		demise	Sampling other survey points instead
		3km offshore of Numanouchi		demise	Sampling other survey points instead
		3km offshore of Toyoma		1/2months	
		3km offshore of Soma city		1/2months	
		5km offshore of Soma city		demise	Sampling other survey points instead
		5km offshore of Kashima		1/2months	
		5km offshore of Numanouti		1/2months	
		5km offshore of Natsui River		1/2months	
		5km offshore of Natsui River	–	1/2months	Survey Point set at estuarine region
Dropping	1F	Environment Monitoring Building of Fukushima Daiichi NPS	1/month	same as on the left	Sampling for Dropping in aspects of direction and destance stopped because the Radioactivity Density from Dropping cannot be measured, and the sampling from Reactor Building Cover Emission and Primary Containment Vessel Gas can be conducted. There are few clear defference among others and height so that it also stopped. (Since December 2011.)
		Roof of Environment Monitoring Building of Fukushima Daiichi NPS		demise	
	around approx. 5 km	approx. 5 km to north			
		approx. 5 km to north west			
		approx. 5 km to west			
		approx. 5 km to south west			
		approx. 5 km to south			
	around approx. 10 km	approx. 10 km to north			
		approx. 10 km to north west			
		approx. 10 km to west			
		approx. 10 km to south west			
		approx. 10 km to south			
		approx. 10 km to south (on the roof)			
	2F	Administrative Building		same as on the left	
		Roof of Administrative Building		demise	

○Pu, etc

Condition	Place of Sampling		Before	After	Note
Soil	1F	Ground (West-northwest approx. 500m)	1/week (only Pu)	1/2months (same as on the left)	Revising sampling frequency with complete of the Road map (Step2 completion) towards restoration from the accident.
		Wild birds' forest (West approx. 500m)			
		Near the industrial waste disposal facility (South-southwest approx. 500m)			
Air	1F	West Gate of Fukushima Daiichi	1/week	1/month	Same as above
goundwater	1F	2U sub-drain near Turbine Building	1/month	same as on the left	Same as above. Sampling 1point/month in rotation.
		5U sub-drain near Turbine Building		1/month (refer Note)	
		1,3,4,6U sub-drains near each Turbine Building, Deep Well	1/month (refer Note)		
Seawater inside Port	1F	North of Units 1 to 4 Water Intake	1/month	same as on the left	
Seawater out of Port	Coast	North Discharge Channel of Unit 5 and 6 of 1F	1/month (In the case Pu238 is detected, analyses of U,Am,Cm will be conducted)	same as on the left	
		South Discharge Channel of 1F			
	within 20km range	15 km Offshore of 1F	1/month (Upper Layer) (In the case Pu238 is detected, analyses of U,Am,Cm will be conducted)	same as on the left	The 3 closer survey points (3km offshore of Ukedo River、3 km Offshore of 1F、3 km Offshore of 2F) set to grasp the Radioactivity Density, and the point of 15 km Offshore of 2F was stopped.
		15 km Offshore of 2F		demise	
		3km offshore of Ukedo River	–	1/month (Upper Layer) (In the case Pu238 is detected, analyses of U,Am,Cm will be conducted)	
		3 km Offshore of 1F	–		
		3 km Offshore of 2F	–		
Ocean Soil	within 20km range	3km offshore of Odaka-ku	1/2months (In the case Pu238 is detected, analyses of U,Am,Cm will be conducted)	demise	Sampling at North Discharge Channel of Unit 5 and 6, and around South Discharge Channel of 1F continue, to grasp Ocean Soil Radioactivity Density. (The target area is 1000Bq/kg of Ocean Soil Cs137 Density)
		3km offshore of Iwasawa Seashore			
		15 km Offshore of 1F			
	Coast	North Discharge Channel of Unit 5 and 6 of 1F		same as on the left	
		South Discharge Channel of 1F			
	within 20km range/ within 30km range	Each point of Cs-137 High-density area in North and South.		demise	
	out of 30km range	Each point of Cs-137 High-density area in North and South.			

○Strontium

Condition	Place of Sampling		Before	After	Note
Soil	1F	Ground (West-northwest approx. 500m)	1/month	same as on the left	
		Wild birds' forest (West approx. 500m)			
		Near the industrial waste disposal facility (South-southwest approx. 500m)			
Air	1F	West Gate of Fukushima Daiichi	1/month	same as on the left	
goundwater	1F	2U sub-drain near Turbine Building	1/month	same as on the left	Revising sampling frequency with complete of the Road map (Step2 completion) towards restoration from the accident. Sampling 1point/month in rotation.
		5U sub-drain near Turbine Building		1/month (refer Note)	
		1,3,4,6U sub-drains near each Turbine Building, Deep Well	1/month (refer Note)		
Seawater inside Port	1F	North of Units 1 to 4 Water Intake	1/month	same as on the left	
Seawater out of Port	Coast	North Discharge Channel of Unit 5 and 6 of 1F	1/month	same as on the left	
		South Discharge Channel of 1F			
	within 20km range	15 km Offshore of 1F	1/month (Upper Layer)	same as on the left	The 3 closer survey points (3km offshore of Ukedo River、3 km Offshore of 1F、3 km Offshore of 2F) set to grasp the Radioactivity Density, and 15 km Offshore of 2F、5km offshore of Soma city、3km offshore of Ena were stopped.
		15 km Offshore of 2F		demise	
		3km offshore of Ukedo River	–	1/month (Upper layer)	
		3 km Offshore of 1F	–		
		3 km Offshore of 2F	–		
	out of 30km range	Middle of Sendai Bay	1/2months (Upper Layer)	same as on the left	
		5km offshore of Soma city		demise	
		3km offshore of Ena			
		3km offshore of Oharai Coast		same as on the left	
Ocean Soil	within 20km range	3km offshore of Odaka-ku	1/2months	demise	North Discharge Channel of Unit 5 and 6, and around South Discharge Channel of 1F continue, to grasp Ocean Soil Radioactivity Density (The target area is 1000Bq/kg of Ocean Soil Cs137 Density)
		Iwasawa Seashoreoffshore3km			
		15 km Offshore of 1F			
	Coast	North Discharge Channel of Unit 5 and 6 of 1F		same as on the left	
		South Discharge Channel of 1F			
	within 20km range / within 30km range	Each point of Cs-137 High-density area in North and South.		demise	
	out of 30km range	Each point of Cs-137 High-density area in North and South.			

○Tritium, All-Alpha, All-Beta

Condition	Place of Sampling		Before	After	Note
goundwater	1F	2U sub-drain near Turbine Building	1/month	same as on the left	Revising sampling frequency with complete of the Road map (Step2 completion) towards restoration from the accident. Sampling 1point/month in rotation.
		5U sub-drain near Turbine Building		1/month (refer Note)	
		1,3,4,6U sub-drains near each Turbine Building, Deep Well	1/month (refer Note)		
Seawater inside Port	1F	North of Units 1 to 4 Water Intake	1/month	same as on the left	
Seawater out of Port	Coast	North Discharge Channel of Unit 5 and 6 of 1F	1/month	same as on the left	The 3 closer survey points（3km offshore of Ukedo River、3 km Offshore of 1F、3 km Offshore of 2F) set to grasp the Radioactivity Density, and 15 km Offshore of 2F was stopped.
		South Discharge Channel of 1F			
	within 20km range	15 km Offshore of 1F			
		15 km Offshore of 2F		demise	
		3km offshore of Ukedo River	–	1/month (Upper layer)	
		3 km Offshore of 1F	–		
		3 km Offshore of 2F	–		

Reference

March 30, 2012

Tokyo Electric Power Company

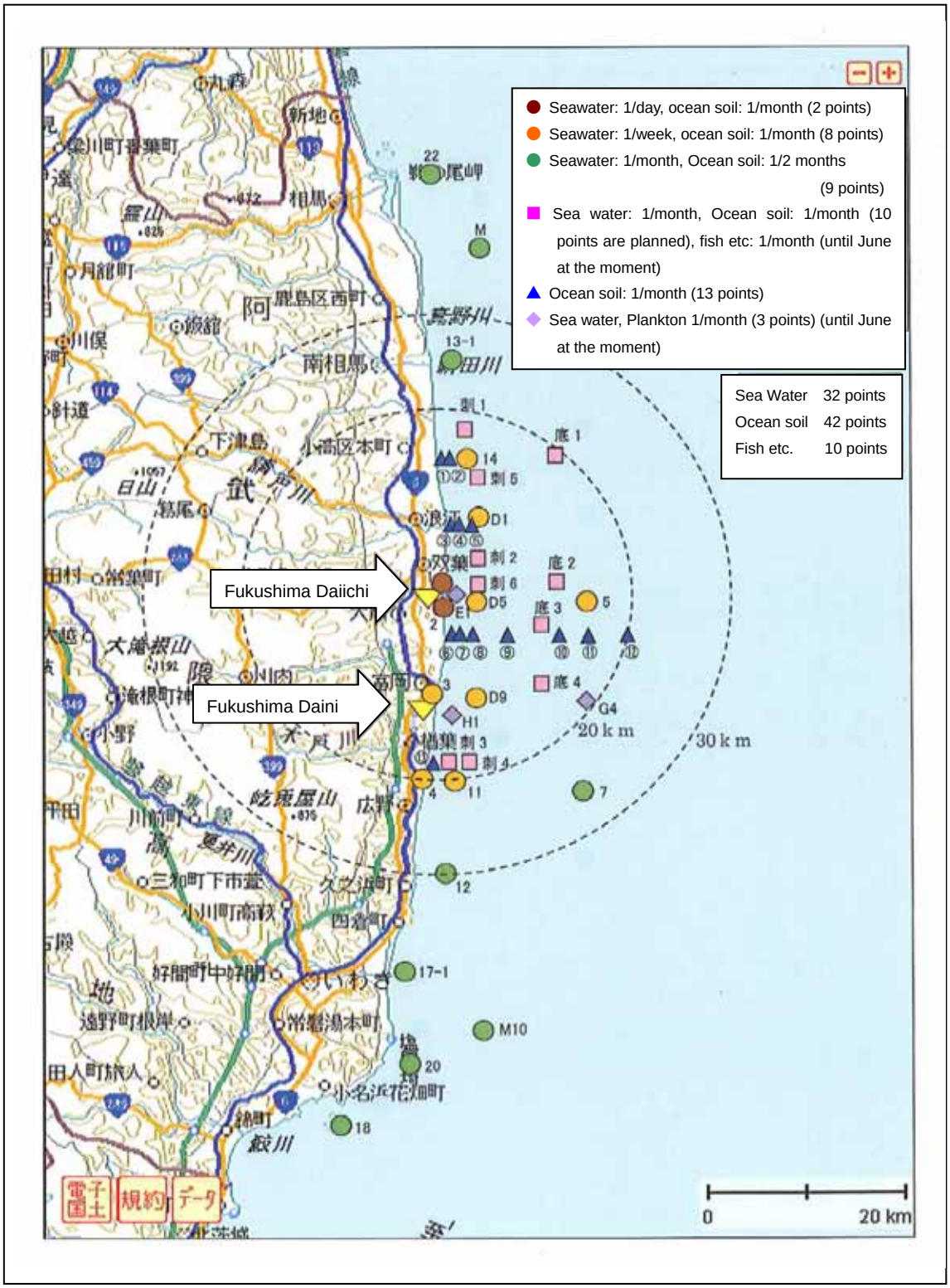

Fig 1-1. Ocean monitoring on the coast of Fukushima Pref. (FY2012)

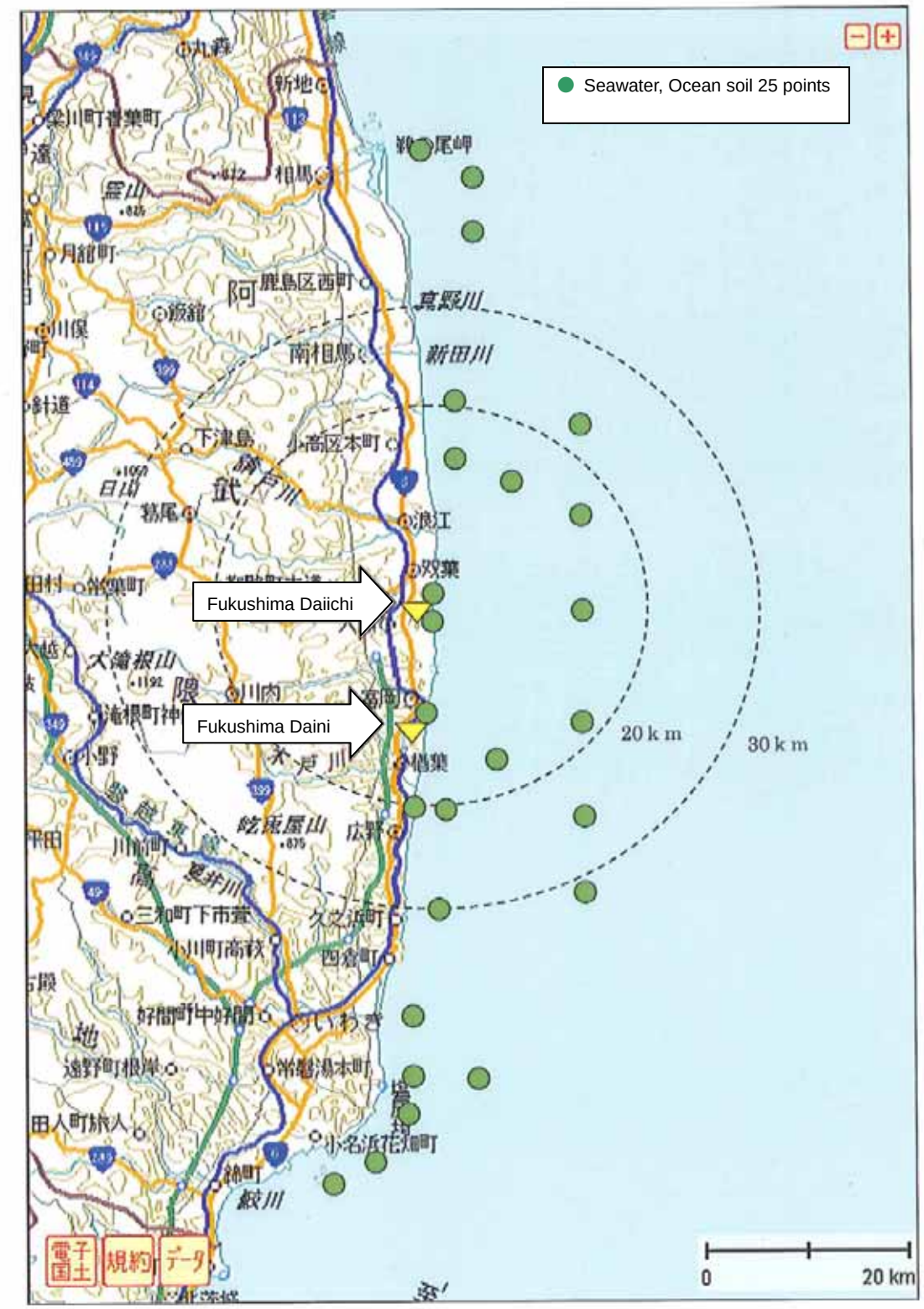

Fig 1-1. Ocean monitoring on the coast of Fukushima Pref. (FY2011)

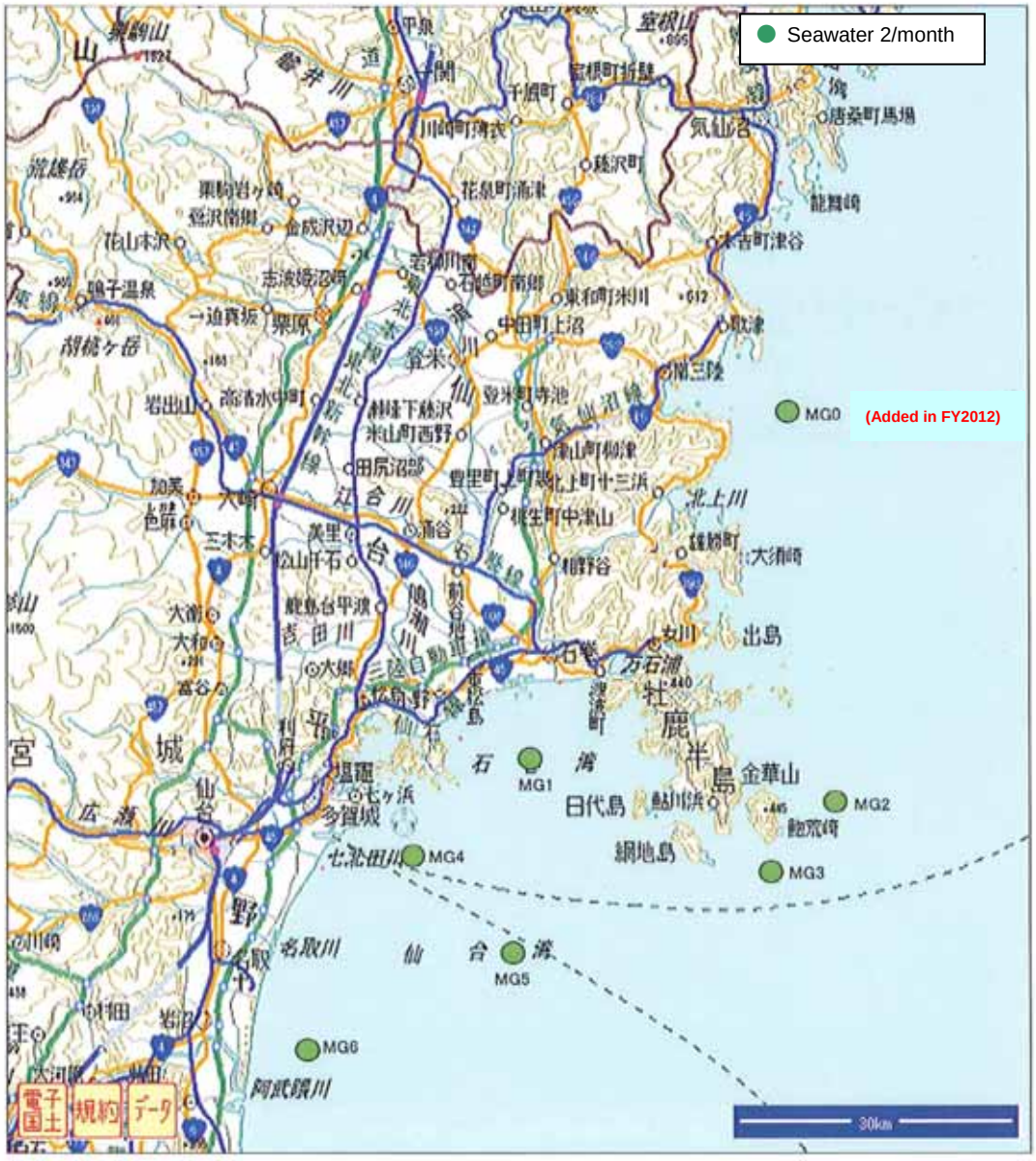

Fig.2. Ocean monitoring on the coast of Miyagi Pref. (FY2012)

Fig.3. Ocean monitoring on the coast of Ibaraki Pref. (FY2012)