

Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP

April 27, 2011
Ministry of Education, Culture, Sports, Science and Technology
(MEXT)

1. Radioactivity Concentration Undersea

Sampling Point ¹	Sampling Time and Date	Radioactivity Concentration ³ (Bq / L)								
		Outer Layer			Middle layer ²			Lower Layer ²		
		I-131	Cs-134	Cs-137	I-131	Cs-134	Cs-137	I-131	Cs-134	Cs-137
[2]	2011/4/25 12:58	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	24.2
[4]	2011/4/25 11:23	Not detectable	22.9	29.0	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	10.4
[6]	2011/4/25 10:04	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable
[8]	2011/4/25 8:34	Not detectable	Not detectable	10.5	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable	Not detectable
[1 0]	2011/4/25 6:53	21.5	37.2	40.0	22.4	51.2	62.8	Not detectable	Not detectable	Not detectable
[S - 4]	2011/4/25 5:50	Not detectable	Not detectable	Not detectable	Not detectable	15.7	18.8	Not detectable	Not detectable	Not detectable

1 The sampling survey was conducted at six locations. Figures in square brackets [] denote the monitoring spot numbers shown on the second page. Since the oceanic conditions deteriorated at monitoring point [2], the planned monitoring at points [B] and [S-2] was cancelled.

2 The water depths of the middle layer and the lower layer are shown in the table on the second page.

3 The detection limits for radioactivity concentration in sea water are approximately 10 Bq/L for both iodine and cesium.

2. Air dose rate over the Sea

Sampling Point ¹	Sampling Time and Date	Reading (μ Sv/h) ²	Weather
[2]	2011/4/25 12:58	0.012	Rain
[4]	2011/4/25 11:23	0.010	No rain
[6]	2011/4/25 10:04	0.012	No rain
[8]	2011/4/25 8:34	0.012	No rain
[1 0]	2011/4/25 6:53	0.013	No rain
[S - 4]	2011/4/25 5:50	0.013	No rain

1 The sampling survey was conducted at six locations. Figures in square brackets [] denote the monitoring spot numbers shown on the second page. Since the oceanic conditions deteriorated at monitoring point [2], the planned monitoring at points [B] and [S-2] was cancelled.

2 Type of detector : Cs-131(TL)scintillation detector (PDR-101, ALOKA)

3. Reading of Radioactivity Concentration in dust over the Sea

Sampling Point ¹	Sampling Time and Date	Radioactivity Concentration ² (Bq / m ³)		
		I-131	Cs-134	Cs-137
[2]	2011/4/25 12:58	Not detectable	Not detectable	Not detectable
[4]	2011/4/25 11:23	Not detectable	Not detectable	Not detectable
[6]	2011/4/25 10:04	Not detectable	Not detectable	Not detectable
[8]	2011/4/25 8:34	Not detectable	Not detectable	Not detectable
[1 0]	2011/4/25 6:53	Not detectable	Not detectable	Not detectable

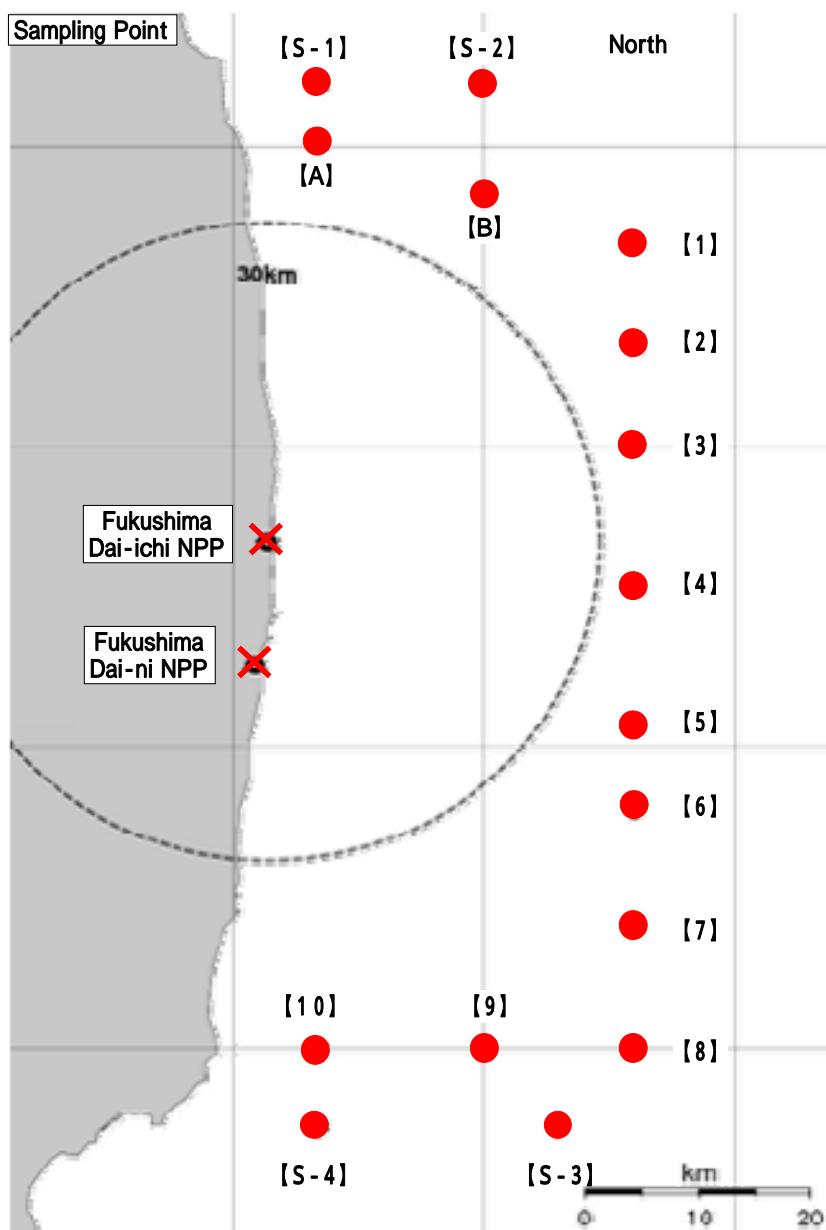
1 The sampling survey was conducted at six locations. Figures in square brackets [] denote the monitoring spot numbers shown on the second page. Since the oceanic conditions deteriorated at monitoring point [2], the planned monitoring at points [B] and [S-2] was cancelled.

2 The detection limits for radioactivity concentration in dust are approximately 0.5 Bq/m³ for iodine and approximately 3 Bq/m³ for cesium.

Each sampling point is indicated below

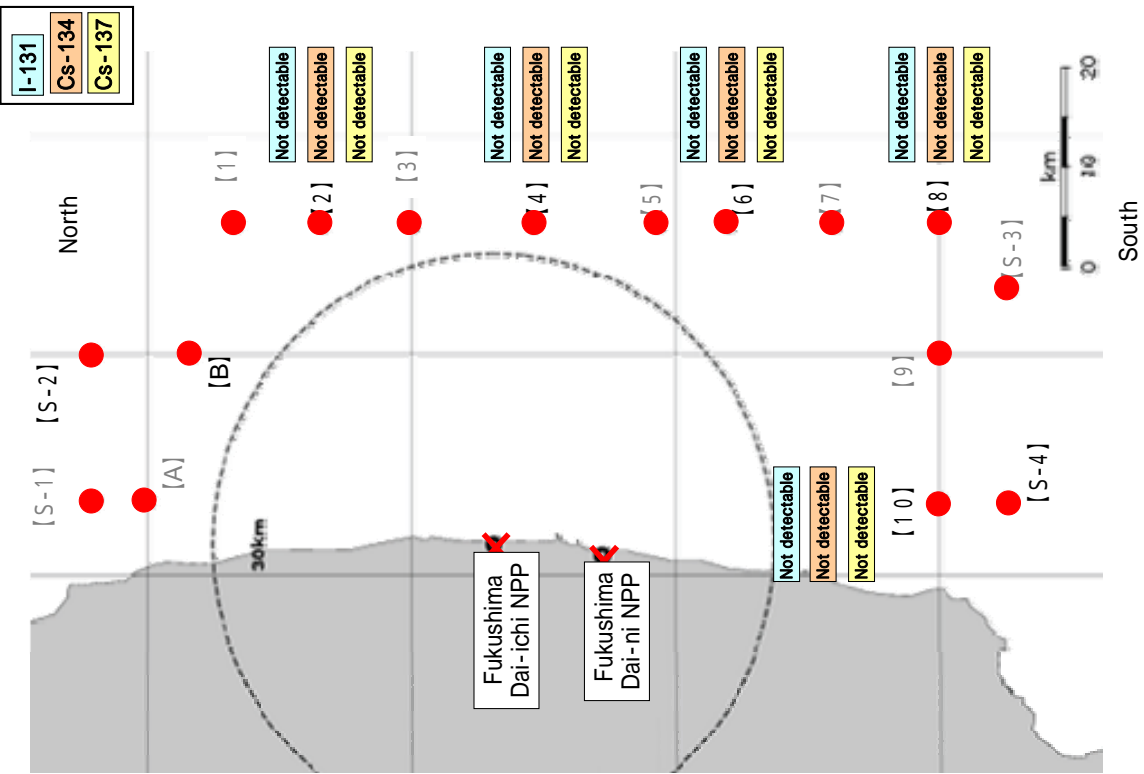
Sampling Point ¹	Latitude, Longitude	Sampling depth in middle layer	Sampling depth in lower layer
[2]	37 ° 35.2 N , 141 ° 23.8 E	65 m	120 m
[4]	37 ° 23.0 N , 141 ° 24.0 E	70 m	127 m
[6]	37 ° 11.9 N , 141 ° 24.1 E	79 m	142 m
[8]	37 ° 00.0 N , 141 ° 23.9 E	90 m	172 m
[10]	36 ° 59.9 N , 141 ° 05.0 E	49 m	84 m
[S - 4]	36 ° 56.4 N , 141 ° 05.0 E	61 m	101 m

¹ Since the oceanic conditions deteriorated at monitoring point [2], the planned monitoring at points [B] and [S-2] was cancelled.

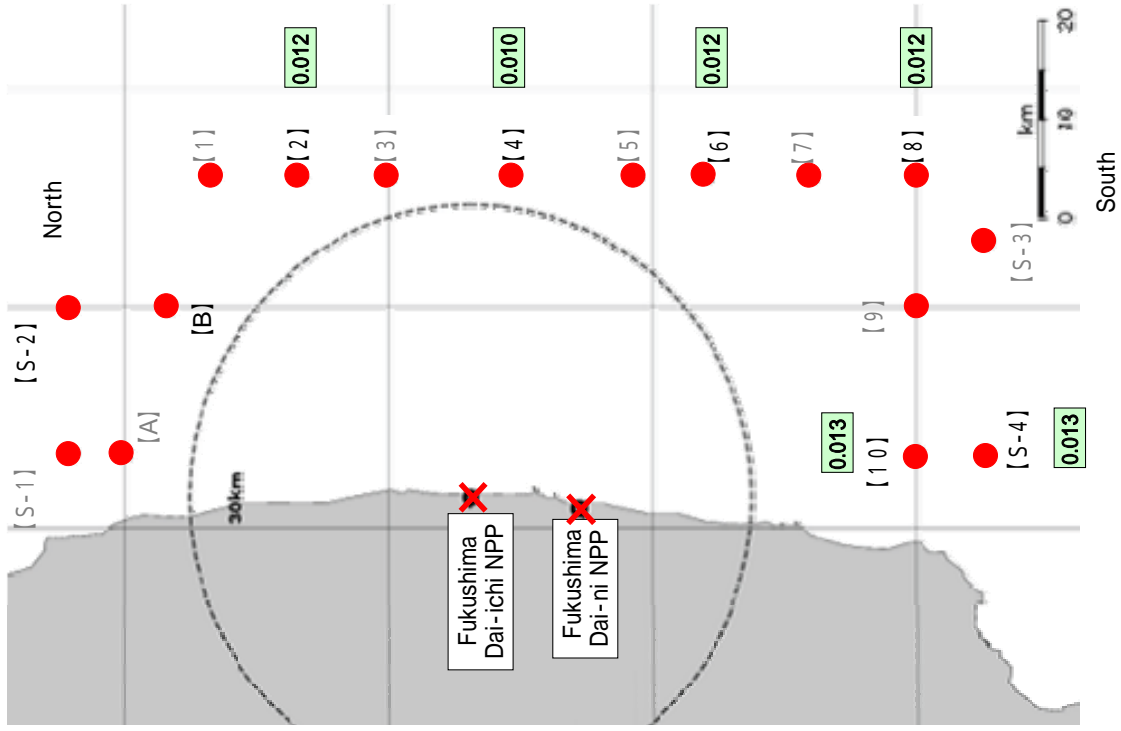


The readings of temperatures and salinity levels of seawater at the measurement points are put on the websites of JAMSTEC below.
<http://www.godac.jamstec.go.jp/monitoringdata/>

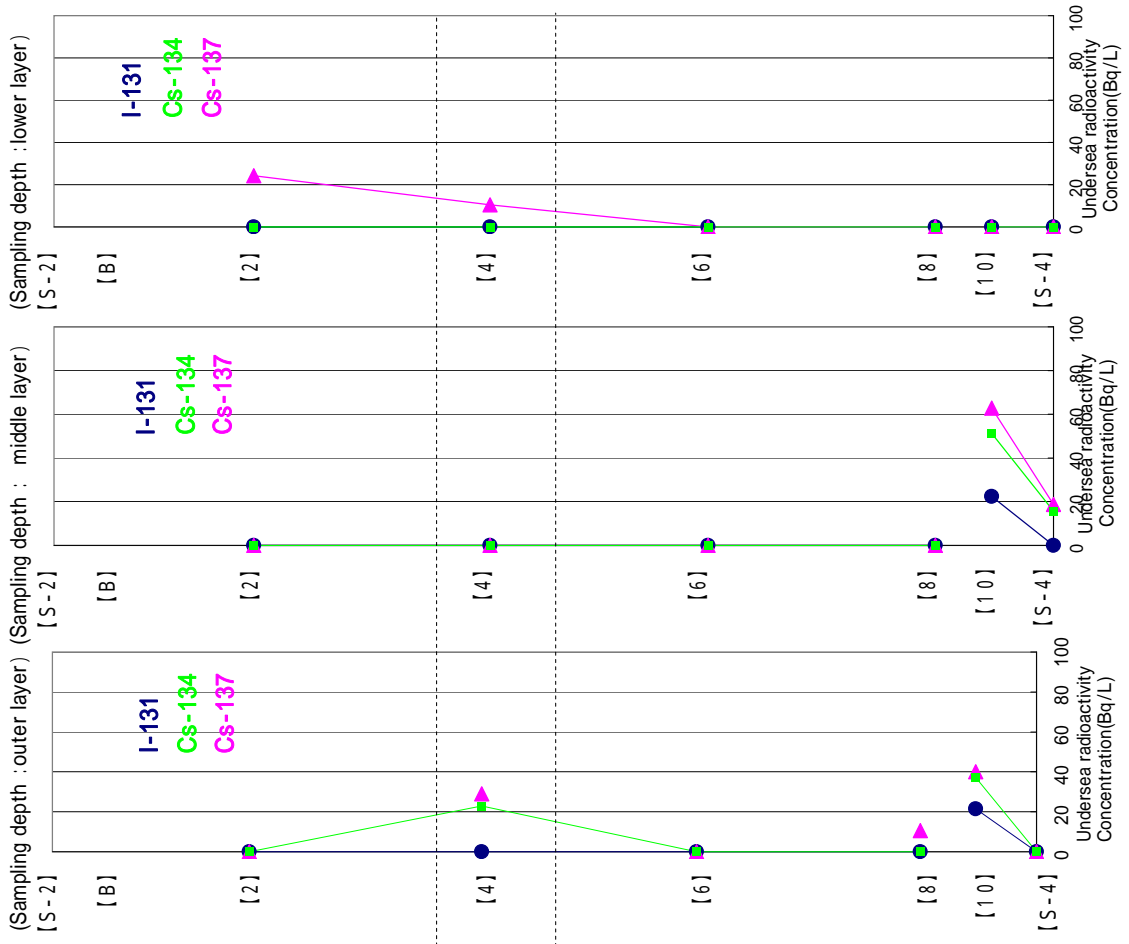
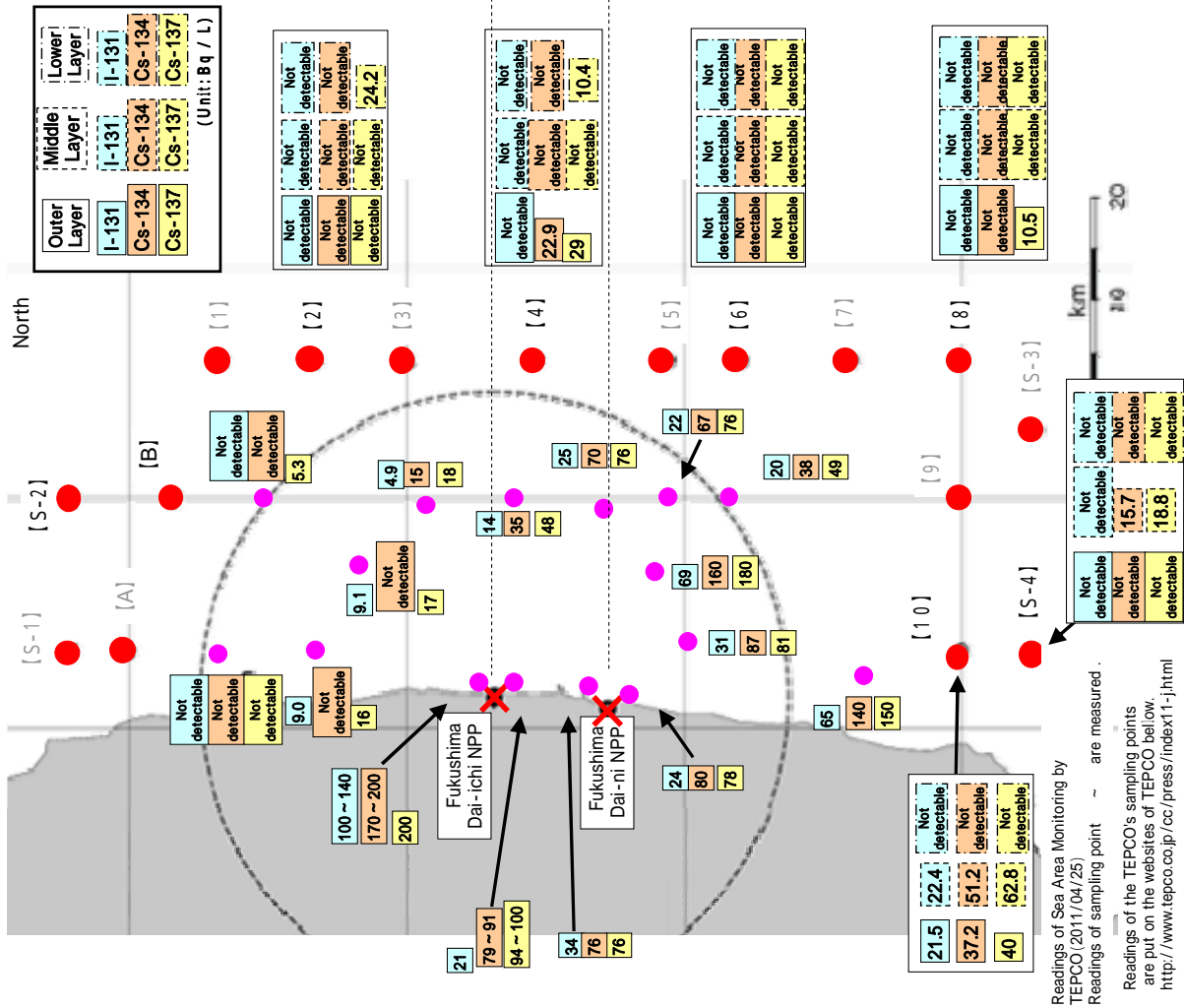
Reading of Radioactivity Concentration in dust over the Sea (Unit: Bq / m³)



Air dose rate over the Sea (Unit: $\mu\text{Sv} / \text{h}$)

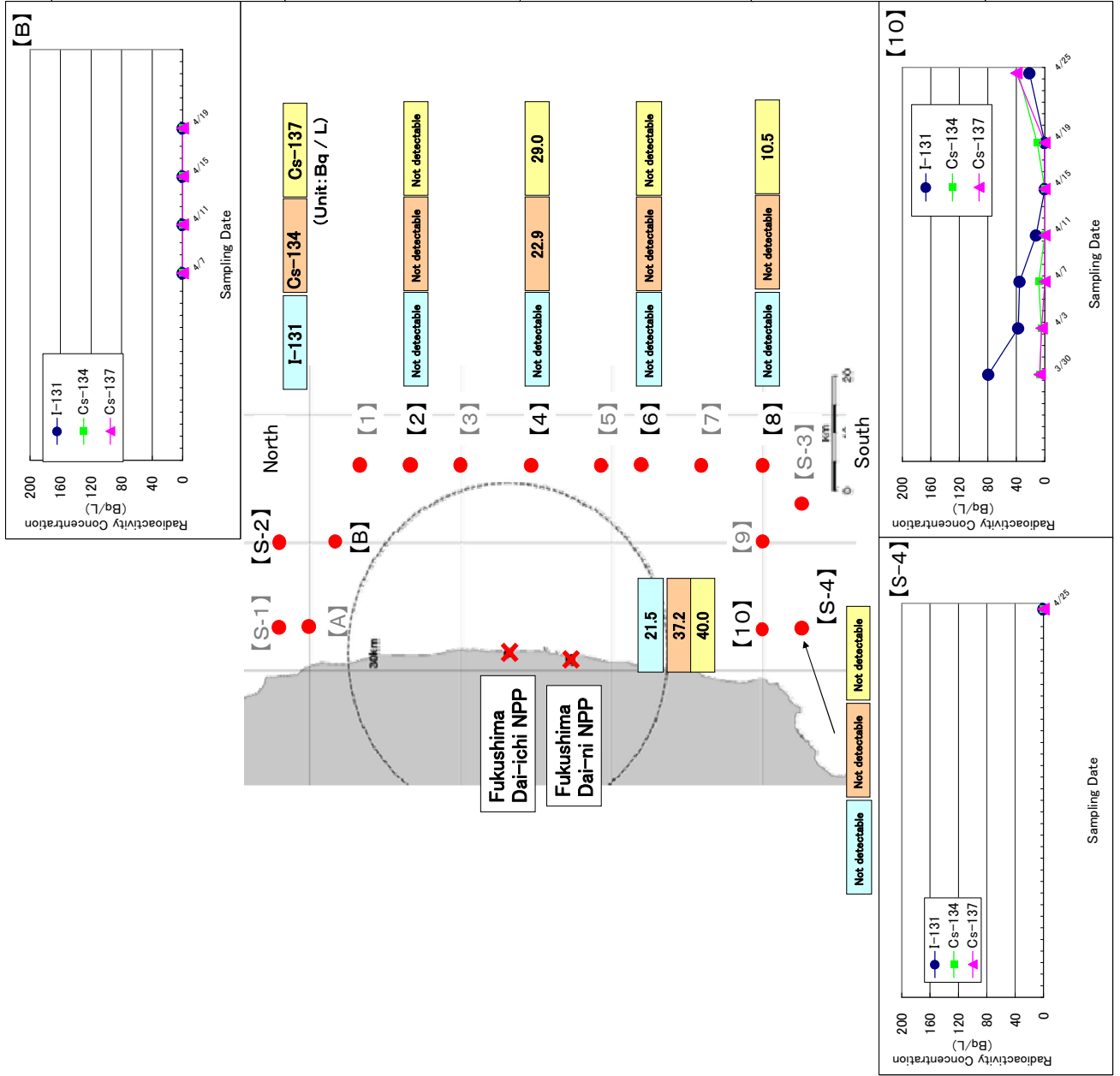


Readings of Sea Area Monitoring April 25, 2011



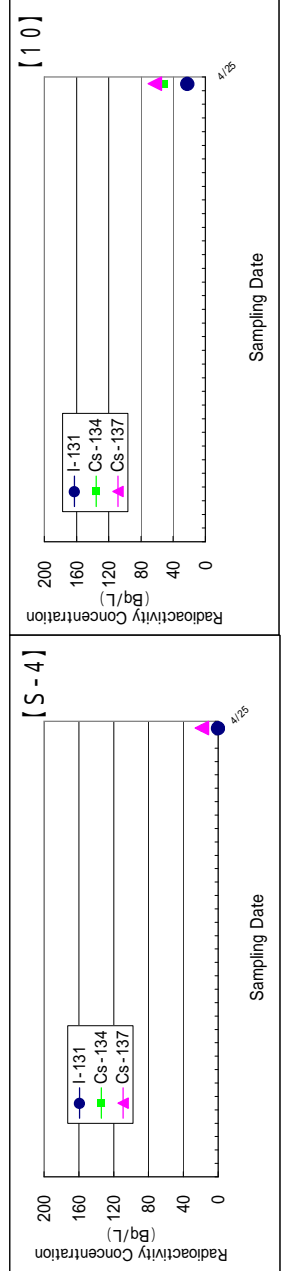
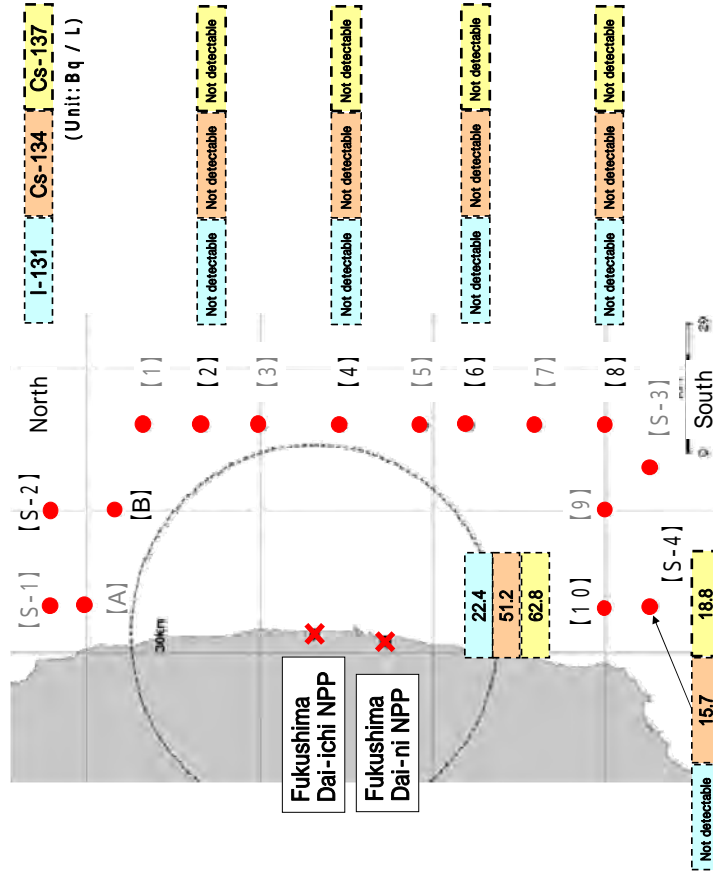
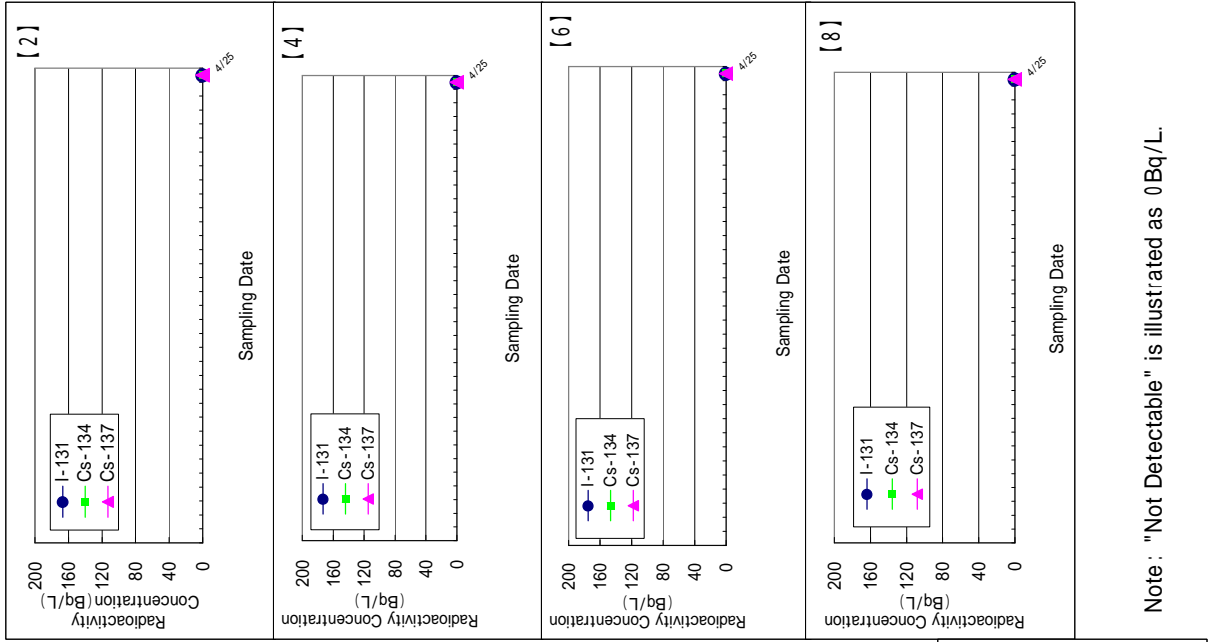
Readings of Sea Area Monitoring by TEPCO (2011/04/25)
 Readings of sampling point ~ are measured.
 Readings of the TEPCO's sampling points are put on the websites of TEPCO below.
<http://www.tepco.co.jp/cc/press/index11-j.html>

Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP
Result of Radioactivity Concentration in the Sea (outer layer)



Note: "Not Detectable" is illustrated as OBq/L.

Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP
Result of Radioactivity Concentration in the Sea (middle layer)



Note: "Not Detectable" is illustrated as 0Bq/L.

