

# Sea Area Monitoring

September 25, 2018

Nuclear Regulation Authority (NRA), Japan

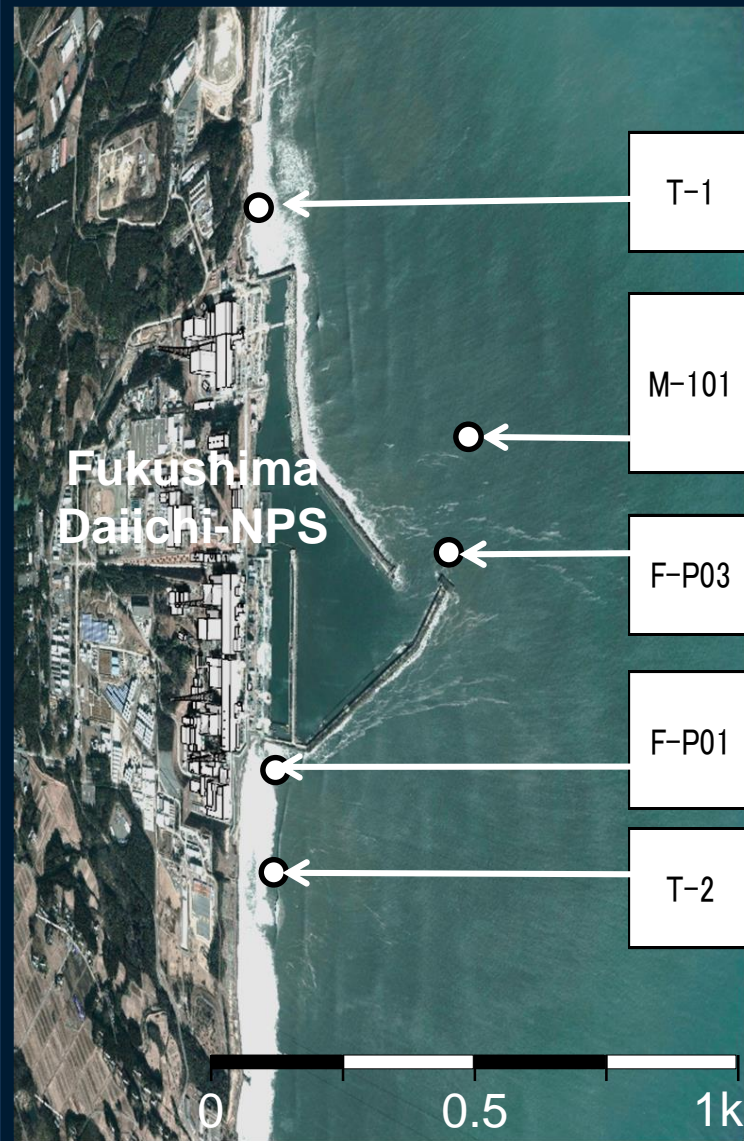
# The most recent radioactivity data of sea area within 2km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Gross $\alpha$	Pu-238	Pu-239+Pu-240
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Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

\* 1 : Gross  $\beta$  : including K-40 \* 2 : Gross  $\beta$  : excluding K-40



T-1	2018/6/4	0.010	0.095	8.4 <sup>*1</sup>	ND(0.93)	0.0060	ND(2.5)		
	2018/7/2	0.0080	0.076	12 <sup>*1</sup>		0.0024	ND(2.0)		
M-101	2018/2/1	0.0015	0.013		0.061	0.0012			
	2018/3/13	0.0044	0.041			0.0075			
	2018/4/20	0.0014	0.012			0.0011			
F-P03	2018/2/13	ND(0.003)	0.008	0.03 <sup>*2</sup>	ND(0.35)	0.0011		ND( $5 \times 10^{-6}$ )	$5 \times 10^{-6}$
	2018/4/20	ND(0.002)	0.010	0.02 <sup>*2</sup>	ND(0.34)	0.0007		ND( $6 \times 10^{-6}$ )	ND( $8 \times 10^{-6}$ )
F-P01	2018/3/13	0.004	0.031	0.02 <sup>*2</sup>	ND(0.34)	0.0033		ND( $5 \times 10^{-6}$ )	ND( $7 \times 10^{-6}$ )
	2018/4/20	ND(0.003)	0.024	0.02 <sup>*2</sup>	ND(0.34)	0.0020		ND( $7 \times 10^{-6}$ )	ND( $7 \times 10^{-6}$ )
T-2	2018/6/4	0.0033	0.027	9.9 <sup>*1</sup>	ND(0.93)	0.0018	ND(2.1)		
	2018/7/2	0.0016	0.019	12 <sup>*1</sup>		0.0010	ND(2.1)		

# Most recent radioactivity data of sea area between 2-20km from the NPS

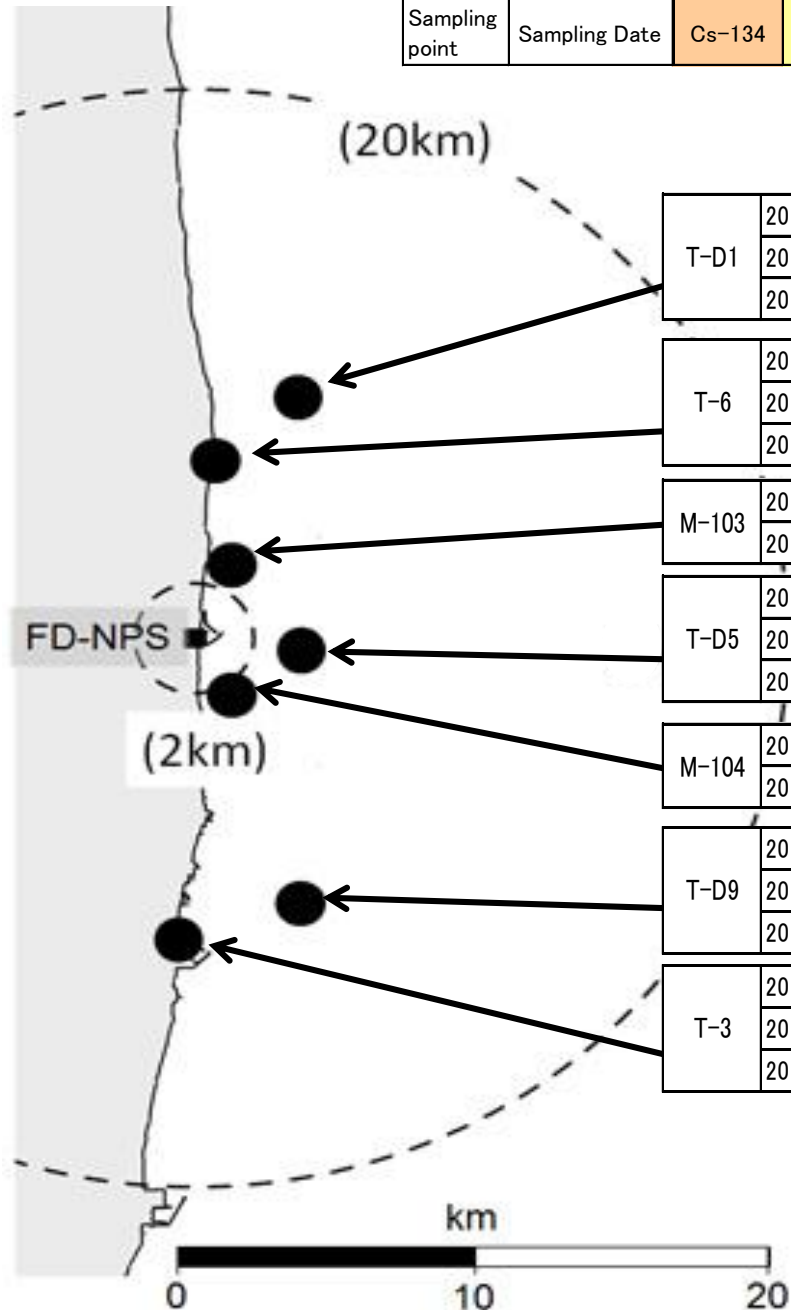
Sampling point	Sampling Date	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Gross $\alpha$	Pu-238	Pu-239+240	S	S:2m below sea level
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Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross  $\beta$  : including K-40

Depth(m) from sea level



T-D1	2018/6/5	ND(0.0014)	0.0068	ND(18)	0.41	0.0014	ND(2.2)			S
	2018/7/3	ND(0.0013)	0.0051	ND(15)	0.47	0.0011	ND(1.9)			S
	2018/7/19	ND(0.0011)	0.0034	ND(18)	ND(0.30)					S
T-6	2018/6/19	0.0023	0.024	ND(15)	ND(0.35)					S
	2018/7/3	0.0016	0.018	ND(18)	0.57					S
	2018/7/17	ND(0.0012)	0.012	ND(14)	0.37					S
M-103	2017/10/5	ND(0.00074)	0.0071			0.00091				0.5m
	2017/11/2	0.0035	0.028		0.10	0.0014				0.5m
T-D5	2018/6/5	ND(0.0012)	0.0064	ND(18)	0.41	0.0017	ND(2.2)			S
	2018/7/3	ND(0.0012)	0.0050	ND(15)	0.34	0.0016	ND(1.9)			S
	2018/7/19	ND(0.0012)	0.0031	ND(18)	0.30					S
M-104	2017/10/4	0.00083	0.0084			0.00093				0.5m
	2017/11/1	0.0013	0.014		0.097	0.0010				0.5m
T-D9	2018/5/1	ND(0.0013)	0.0061	ND(18)	ND(0.35)	0.0018	ND(2.1)			S
	2018/7/2	ND(0.0011)	0.0058	ND(16)	0.44	0.00076	ND(1.8)			S
	2018/7/18	ND(0.0013)	0.0046	ND(17)	ND(0.35)					S
T-3	2018/6/19	0.0027	0.026	ND(16)	ND(0.29)					S
	2018/7/3	0.0025	0.024	ND(16)	0.67					S
	2018/7/17	0.0024	0.027	ND(18)	ND(0.28)					S

# Most recent radioactivity data of sea area between 40-100km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	S/B
							S:2m below sea level B:2-3m above sea bottom
							Depth(m) from sea level

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross  $\beta$ : excluding K-40

T-22	2018/6/6	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90
		ND(0.0015)	0.0052			
		ND(0.0014)	0.0065			
		ND(0.0014)	0.0037			
2018/7/20	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	
	ND(0.0014)	0.0042				

M-C3	2018/1/19	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Depth
		ND(0.00013)	0.0019	0.030	0.061	0.00090	1m
		0.00013	0.0019				50m
		ND(0.000085)	0.0019				120m

M-D3	2018/1/17	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Depth
		ND(0.00013)	0.0018	0.033	0.055	0.00090	1m
		ND(0.000089)	0.0018				100m
		0.000071	0.0016				211m

M-E3	2018/1/17	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Depth
		ND(0.00011)	0.0018	0.031	0.067	0.00087	1m
		ND(0.000083)	0.0019				100m
		0.000092	0.0019				218m

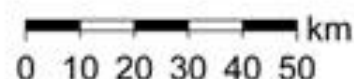
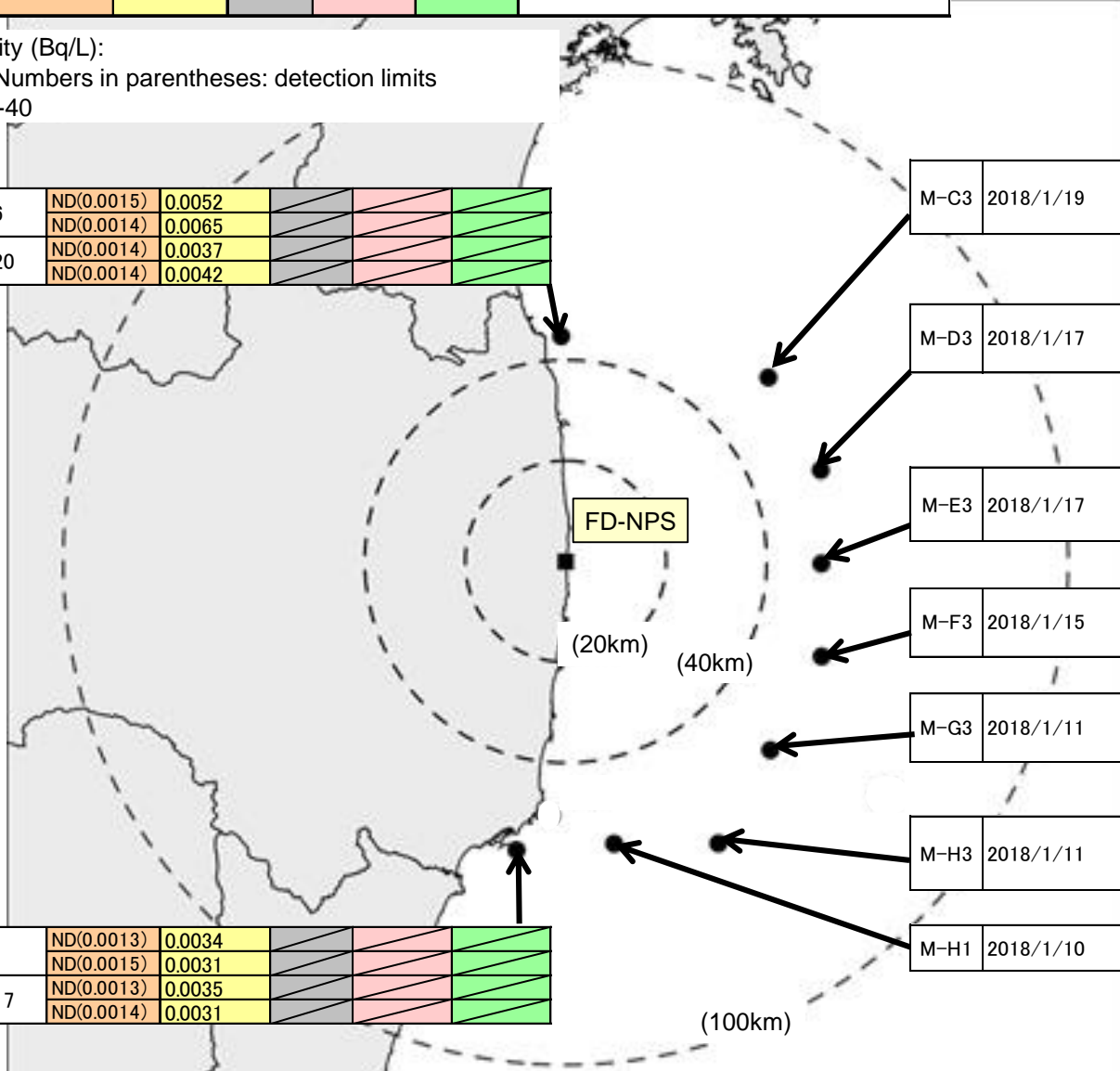
M-F3	2018/1/15	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Depth
		ND(0.00012)	0.0020	0.034	0.042	0.00098	1m
		0.00011	0.0020				100m
		0.000082	0.0017				218m

M-G3	2018/1/11	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Depth
		0.00016	0.0020	0.032	0.056	0.0011	1m
		0.000094	0.0019				100m
		0.00011	0.0018				196m

M-H3	2018/1/11	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Depth
		ND(0.000093)	0.0020	0.030	0.053	0.0010	1m
		ND(0.000086)	0.0019				100m
		0.000092	0.0018				218m

M-H1	2018/1/10	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Depth
		0.00018	0.0022				1m
		0.00011	0.0020				119m

T-18	2018/6/1	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90
		ND(0.0013)	0.0034			
		ND(0.0015)	0.0031			
		ND(0.0013)	0.0035			
2018/7/17	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	
	ND(0.0014)	0.0031				

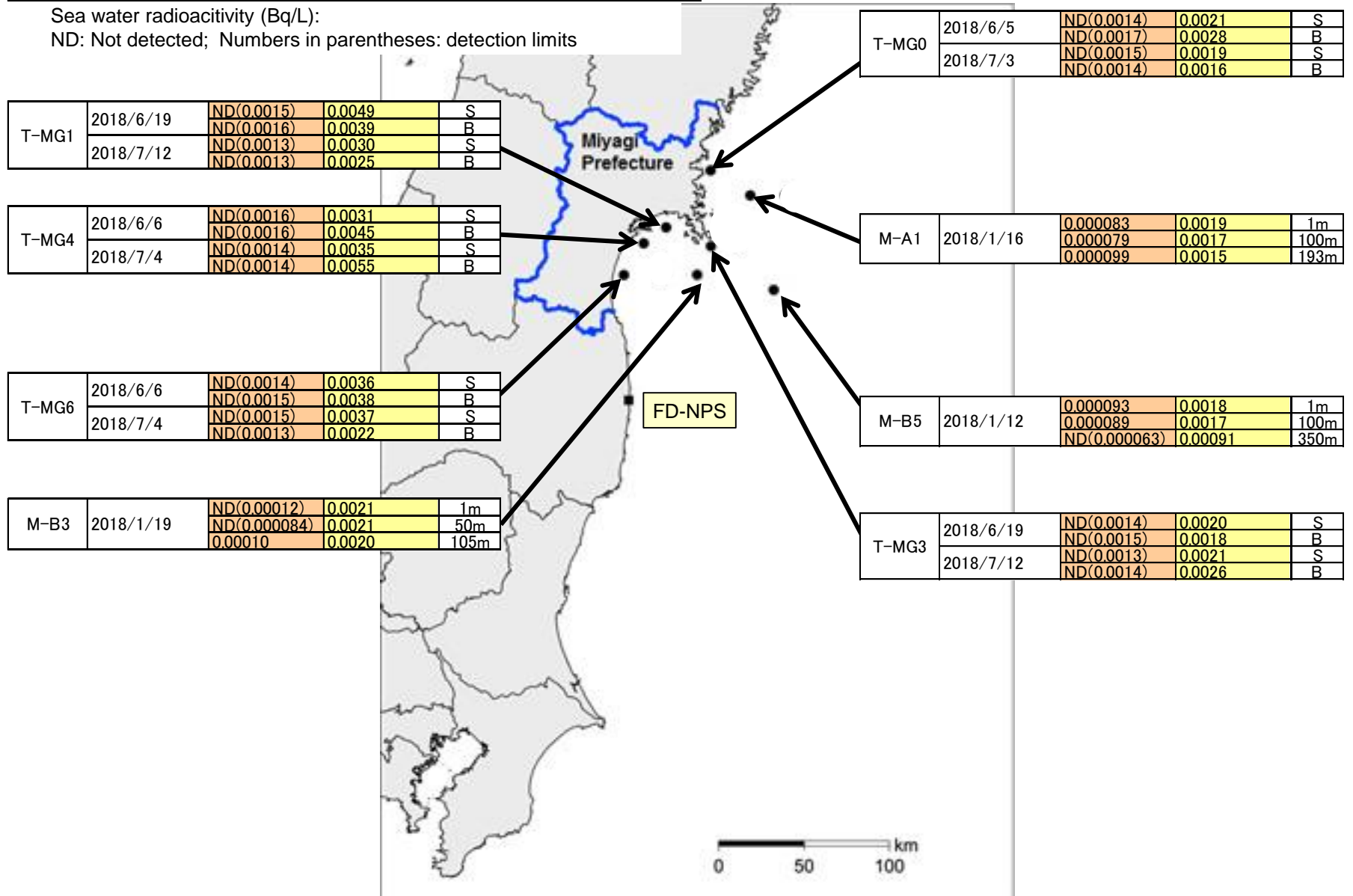


# Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

Sampling point	Sampling Date	Cs-134	Cs-137	S/B	S:2m below sea level B:2-3m above sea bottom
				Depth(m) from sea level	

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits



# Most recent radioactivity data of sea area along and off the coast of Ibaraki Pref. and Chiba Pref.

Sampling point	Sampling Date	Cs-134	Cs-137	S/B	S:2m below sea level	B:2-3m above sea bottom
				Depth(m) from sea level		

Sea water radioactivity (Bq/L):  
 ND: Not detected; Numbers in parentheses:detection limits

