

# Sea Area Monitoring

October 25, 2018

Nuclear Regulation Authority (NRA), Japan

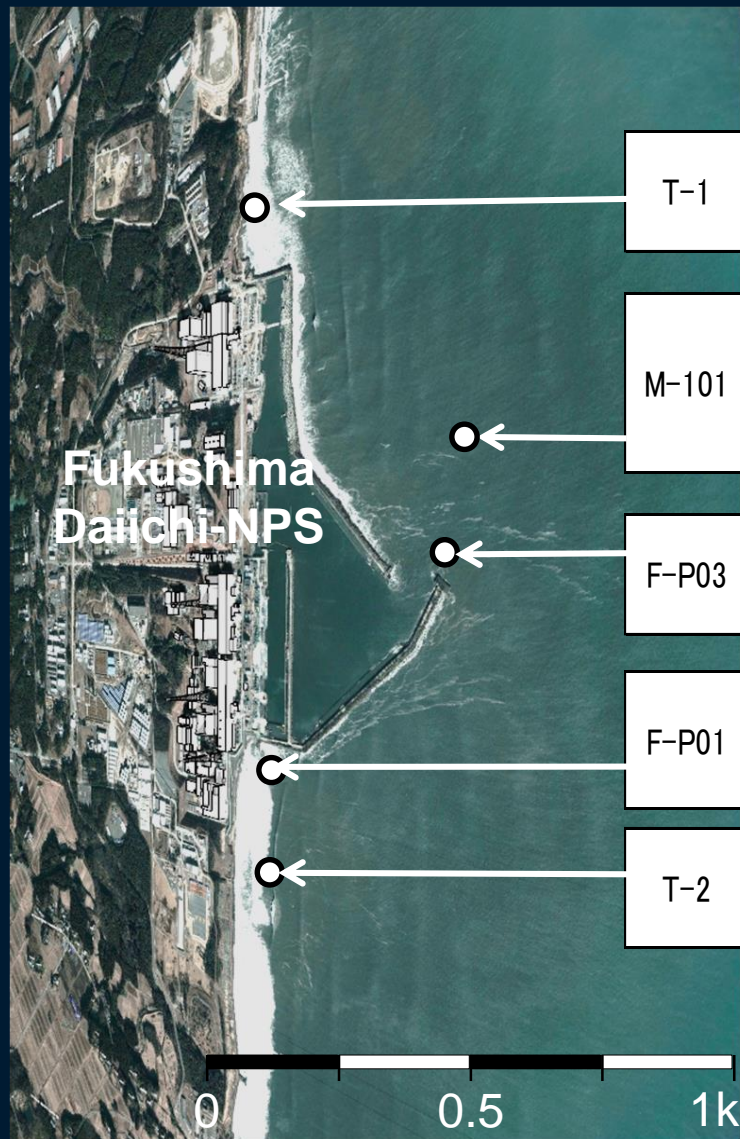
# The most recent radioactivity data of sea area within 2km from the NPS

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	2018/7/2	0.0080	0.076	12 <sup>*1</sup>	/	0.0024	ND(2.0)	/	/
	2018/8/6	0.0081	0.077	10 <sup>*1</sup>	/	0.0023	ND(2.4)	/	/
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	2018/5/16	0.008	0.086	0.02 <sup>*2</sup>	ND(0.36)	0.013	/	ND( $8 \times 10^{-6}$ )	ND( $9 \times 10^{-6}$ )
	2018/6/14	0.008	0.071	0.03 <sup>*2</sup>	ND(0.33)	0.010	/	ND( $6 \times 10^{-6}$ )	$7 \times 10^{-6}$
F-P01	2018/5/16	ND(0.002)	0.013	0.02 <sup>*2</sup>	ND(0.35)	0.0011	/	ND( $5 \times 10^{-6}$ )	ND( $6 \times 10^{-6}$ )
	2018/6/14	ND(0.003)	0.024	0.03 <sup>*2</sup>	ND(0.33)	0.0024	/	ND( $8 \times 10^{-6}$ )	ND( $8 \times 10^{-6}$ )
T-2	2018/7/2	0.0016	0.019	12 <sup>*1</sup>	/	0.0010	ND(2.1)	/	/
	2018/8/6	0.0031	0.029	12 <sup>*1</sup>	/	0.0033	ND(2.3)	/	/

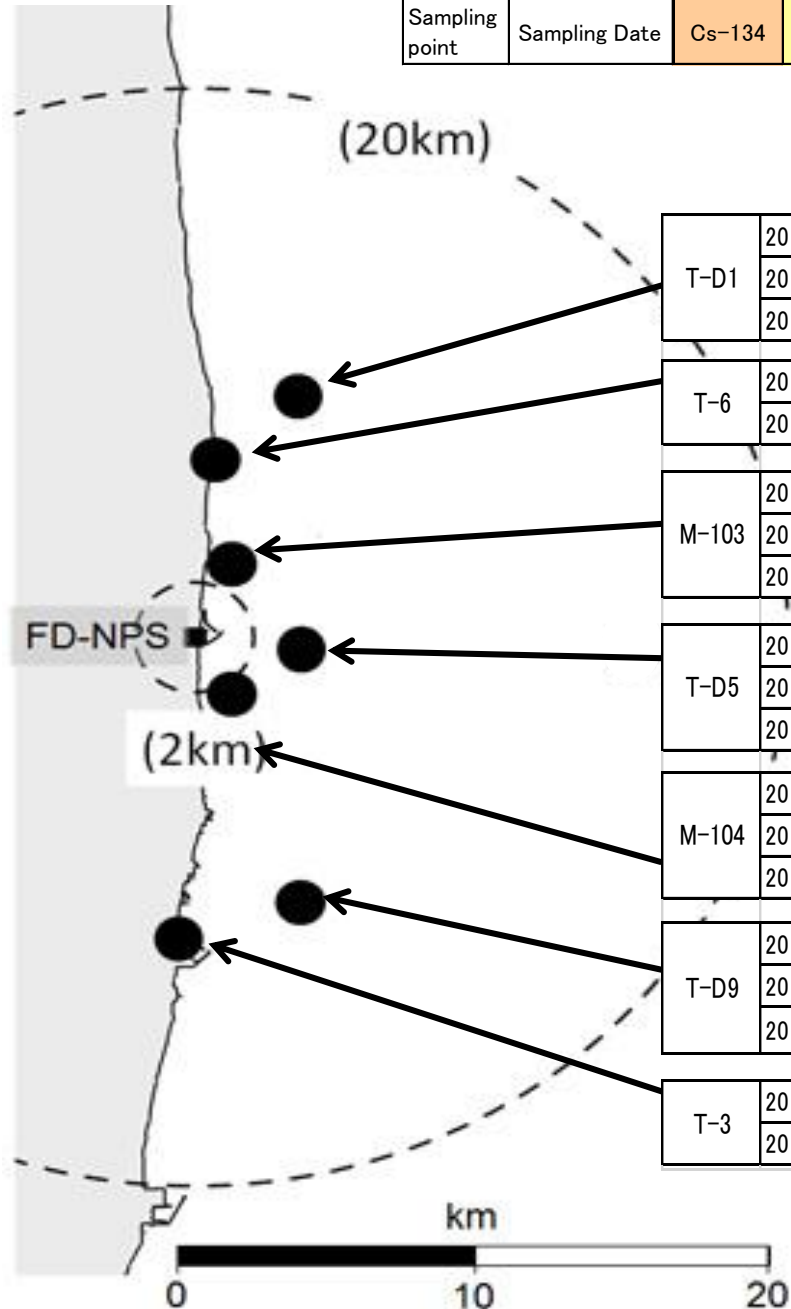
# Most recent radioactivity data of sea area between 2-20km from the NPS

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

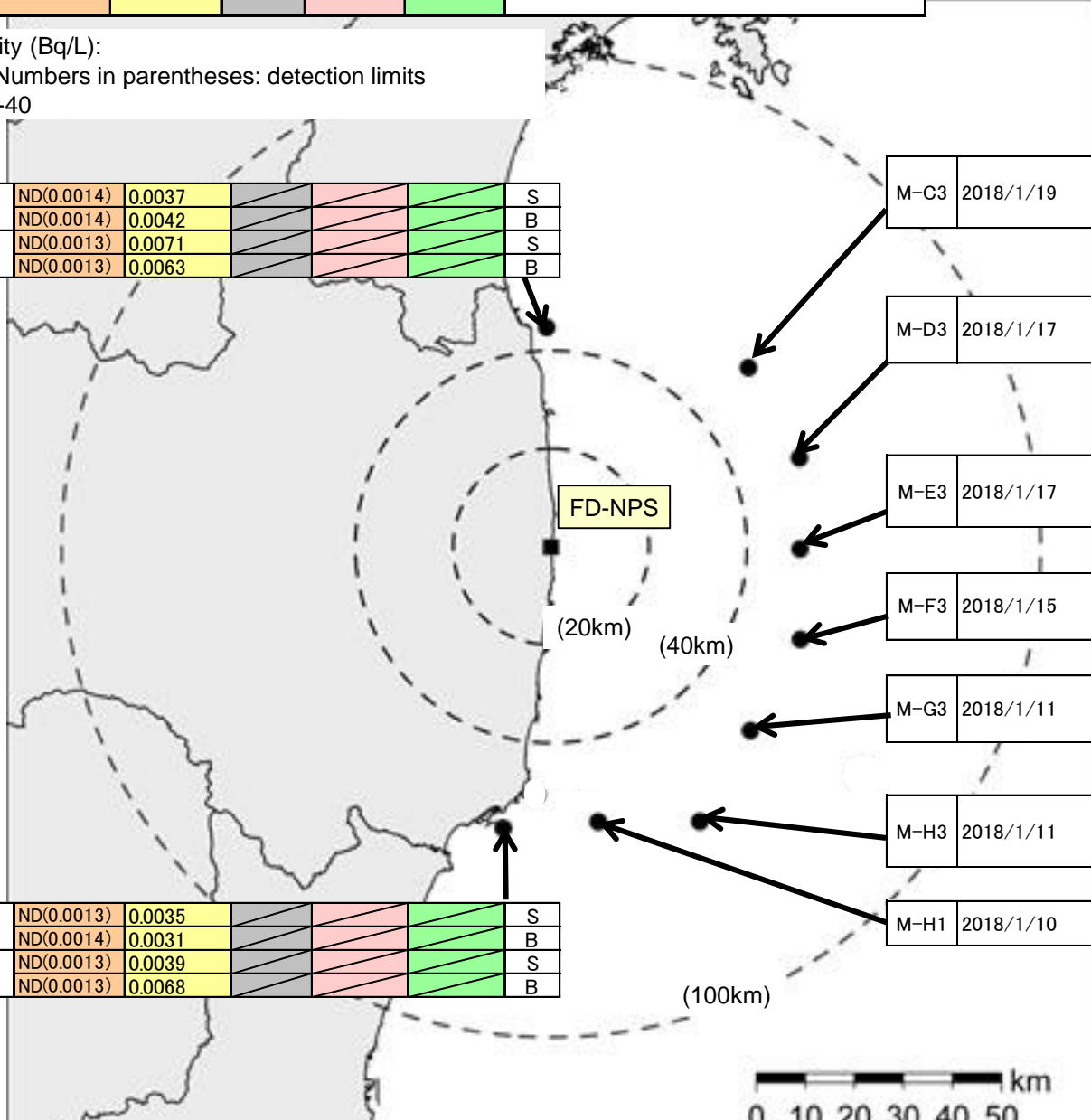


T-D1	2018/7/19	ND(0.0011)	0.0034	ND(18)	ND(0.30)						S
	2018/8/6	ND(0.0012)	0.0043	ND(16)	0.36	0.0012	ND(2.0)				S
	2018/8/24	0.0026	0.024	ND(17)	ND(0.35)						S
T-6	2018/7/17	ND(0.0012)	0.012	ND(14)	0.37						S
	2018/8/7	0.0040	0.032	ND(18)	ND(0.30)						S
M-103	2018/2/1	0.0014	0.012			0.081	0.00087				0.5m
	2018/3/13	0.0023	0.020				0.0011				0.5m
	2018/4/20	0.00086	0.0076				0.0011				0.5m
T-D5	2018/7/19	ND(0.0012)	0.0031	ND(18)	0.30						S
	2018/8/6	ND(0.0011)	0.0026	ND(16)	ND(0.34)	0.0014	ND(2.0)				S
	2018/8/25	ND(0.0013)	0.011	ND(17)	ND(0.35)						S
M-104	2018/2/1	0.0010	0.011		0.13	0.0010					0.5m
	2018/3/12	0.0028	0.026			0.0038					0.5m
	2018/4/19	0.00084	0.0070			0.0010					0.5m
T-D9	2018/7/18	ND(0.0013)	0.0046	ND(17)	ND(0.35)						S
	2018/8/6	ND(0.0012)	0.0038	ND(16)	ND(0.34)	0.0013	ND(2.2)				S
	2018/8/25	ND(0.0012)	0.012	ND(17)	ND(0.35)						S
T-3	2018/7/17	0.0024	0.027	ND(18)	ND(0.28)						S
	2018/8/7	0.0049	0.046	ND(15)	ND(0.29)						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	2018/7/20	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	S/B
		ND(0.0014)	0.0037				S
	ND(0.0014)	0.0042				B	
	2018/8/1	ND(0.0013)	0.0071				S
ND(0.0013)		0.0063				B	

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

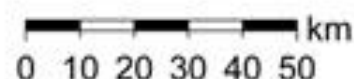
M-F3	2018/1/15	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Depth
		ND(0.00012)	0.0020	0.034	0.042	0.00098	1m
		0.00011	0.0020				100m
		0.000082	0.0017				218m

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	2018/7/17	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	S/B
		ND(0.0013)	0.0035				S
	ND(0.0014)	0.0031				B	
	2018/8/1	ND(0.0013)	0.0039				S
ND(0.0013)		0.0068				B	

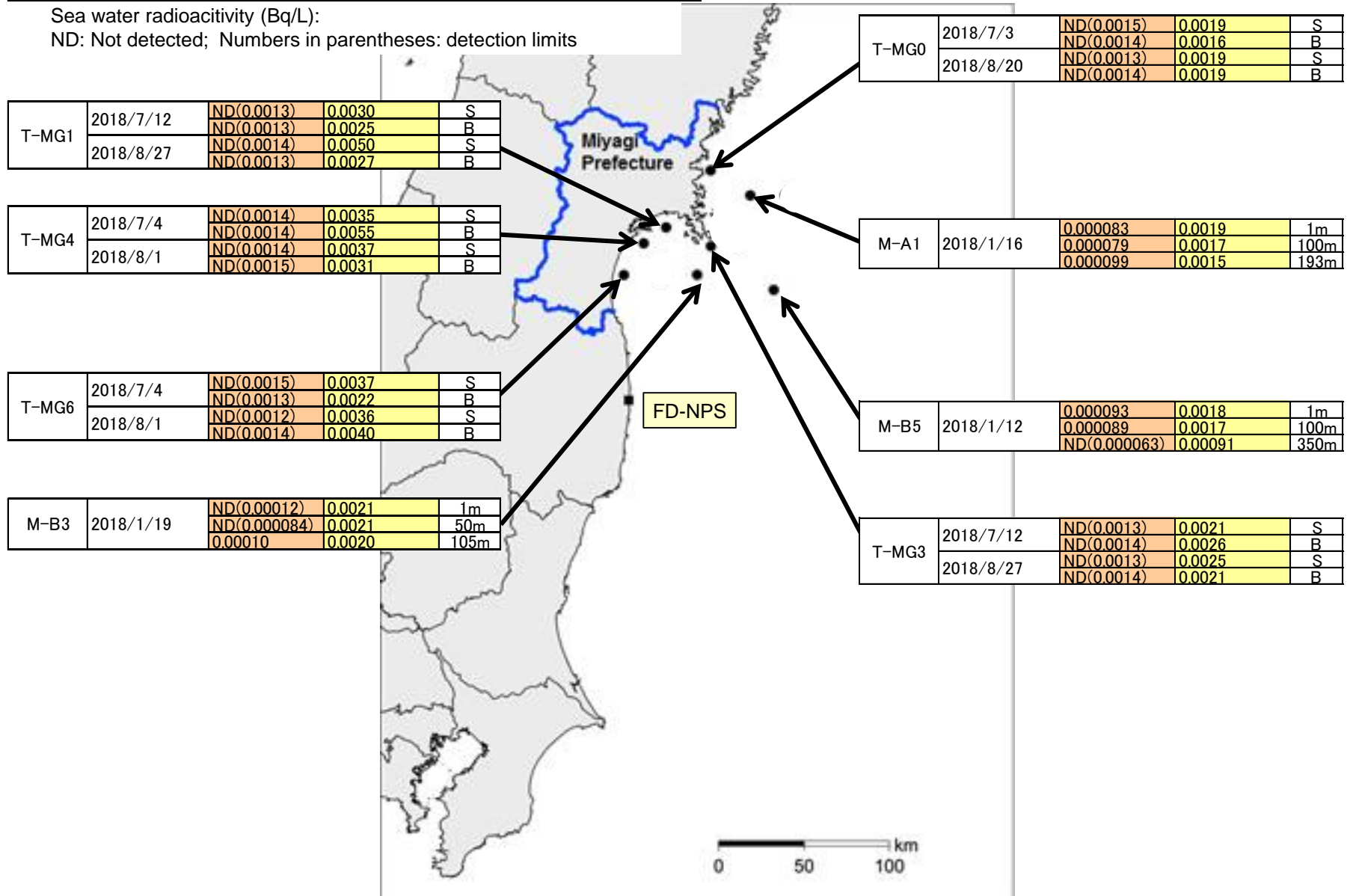


# Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

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

