

Sea Area Monitoring

July 25, 2019

Nuclear Regulation Authority (NRA), Japan

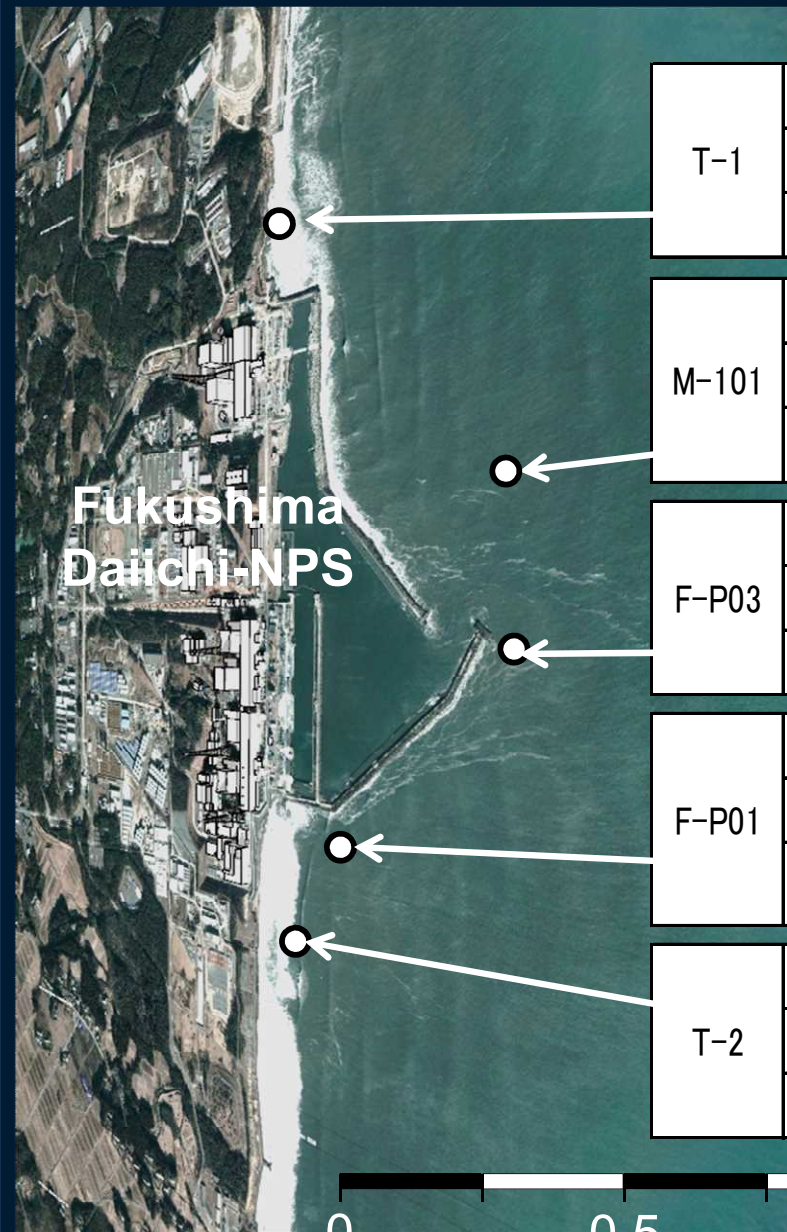
The most recent radioactivity data of sea area within 2km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Gross α	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 β : including K-40 * 2 : Gross β : excluding K-40



T-1	2019/4/1	0.0021	0.031	9.2 ^{*1}	ND(0.86)	0.0014	ND(2.2)		
	2019/5/6	0.010	0.12	11 ^{*1}	1.5	0.0053	ND(2.2)		
	2019/6/3	0.0098	0.13	11 ^{*1}	ND(0.89)	0.0051	ND(1.9)		
M-101	2018/12/6	0.0013	0.016		0.13	0.00097			
	2019/1/18	0.0012	0.013		0.053	0.0014			
	2019/2/14	0.0015	0.020		0.14				
F-P03	2019/1/17	ND(0.003)	0.020	0.03 ^{*2}	ND(0.35)	0.0008		ND(3×10^{-6})	ND(5×10^{-6})
	2019/2/13	ND(0.003)	0.031	0.02 ^{*2}	ND(0.34)	0.0012		ND(4×10^{-6})	7×10^{-6}
	2019/3/18	ND(0.003)	0.020	0.03 ^{*2}	ND(0.36)	0.0011		ND(6×10^{-6})	ND(8×10^{-6})
F-P01	2019/1/17	ND(0.001)	0.013	0.02 ^{*2}	ND(0.35)	0.0006		ND(3×10^{-6})	6×10^{-6}
	2019/2/13	0.002	0.016	0.03 ^{*2}	0.43	0.0010		ND(3×10^{-6})	ND(3×10^{-6})
	2019/3/18	ND(0.003)	0.027	0.04 ^{*2}	ND(0.36)	0.0014		ND(6×10^{-6})	7×10^{-6}
T-2	2019/4/1	0.0062	0.071	12 ^{*1}	1.5	0.0017	ND(2.2)		
	2019/5/6	0.0019	0.025	11 ^{*1}	ND(0.92)	0.0014	ND(2.3)		
	2019/6/3	0.0039	0.051	12 ^{*1}	ND(0.89)	0.0023	ND(2.0)		

0 0.5 1km

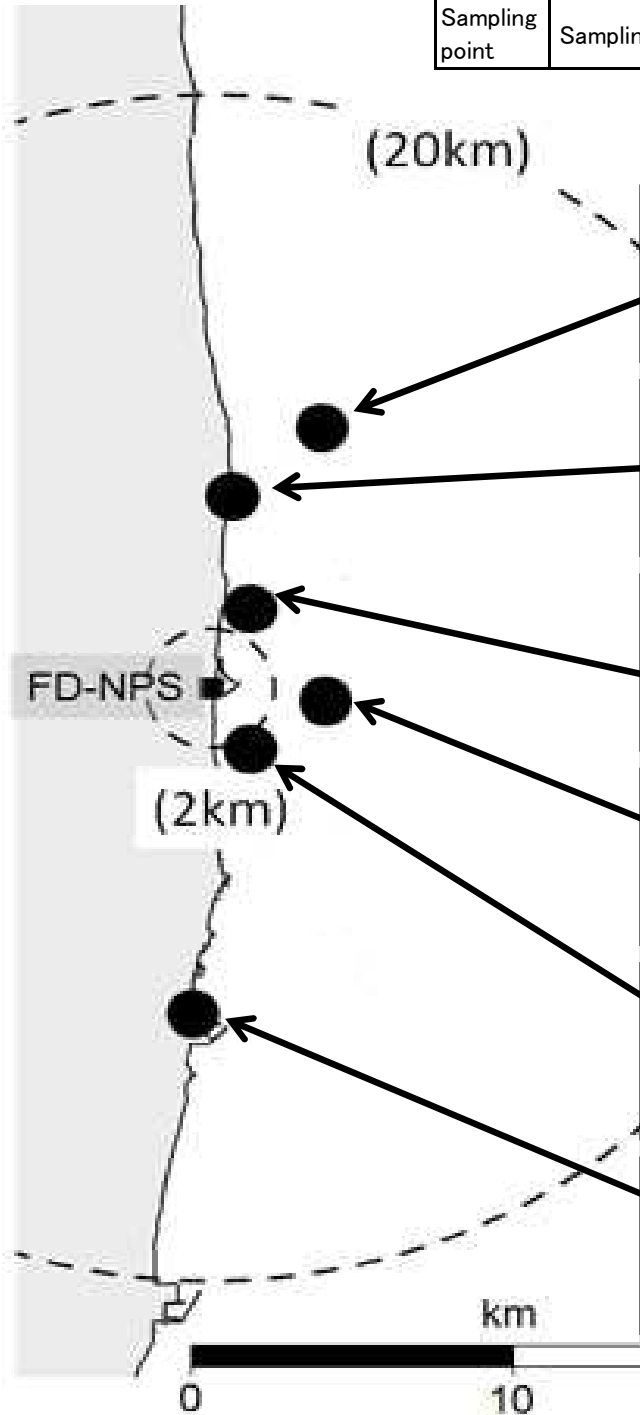
Most recent radioactivity data of sea area between 2-20km from the NPS

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

ND: Not detected; Numbers in parentheses: detection limits

Gross β : including K-40



T-D1	2019/4/1	ND(0.0012)	0.0050	ND(15)	ND(0.34)	0.00093	ND(2.1)			S
	2019/5/8	ND(0.0013)	0.0046	ND(17)	ND(0.35)	0.00011				S
	2019/5/24	ND(0.0014)	0.0054	ND(18)	0.46					S
T-6	2019/4/16	0.0014	0.017	ND(19)	0.37					S
	2019/5/7	ND(0.0014)	0.010	ND(17)	0.39					S
	2019/6/4	0.0018	0.018	ND(16)	0.54					S
M-103	2019/2/14	0.00057	0.0070		0.057	0.00098				0.5m
	2019/3/9	0.00081	0.011		ND(0.059)	0.0012				0.5m
	2019/4/18					0.0014				0.5m
T-D5	2019/4/1	ND(0.0013)	0.0043	ND(15)	0.42	0.0016	ND(2.1)			S
	2019/4/17	ND(0.0011)	0.0073	ND(14)	0.37					S
	2019/5/24	ND(0.0014)	0.0031	ND(18)	0.56					S
M-104	2019/2/15	0.00056	0.0088		0.066	0.0011				0.5m
	2019/3/7	0.0010	0.014		0.090	0.0010				0.5m
	2019/4/17					0.0018				0.5m
T-3	2019/4/16	0.0014	0.021	ND(12)	0.37					S
	2019/5/7	0.0014	0.016	ND(15)	ND(0.33)					S
	2019/6/4	0.0015	0.016	ND(15)	0.57					S

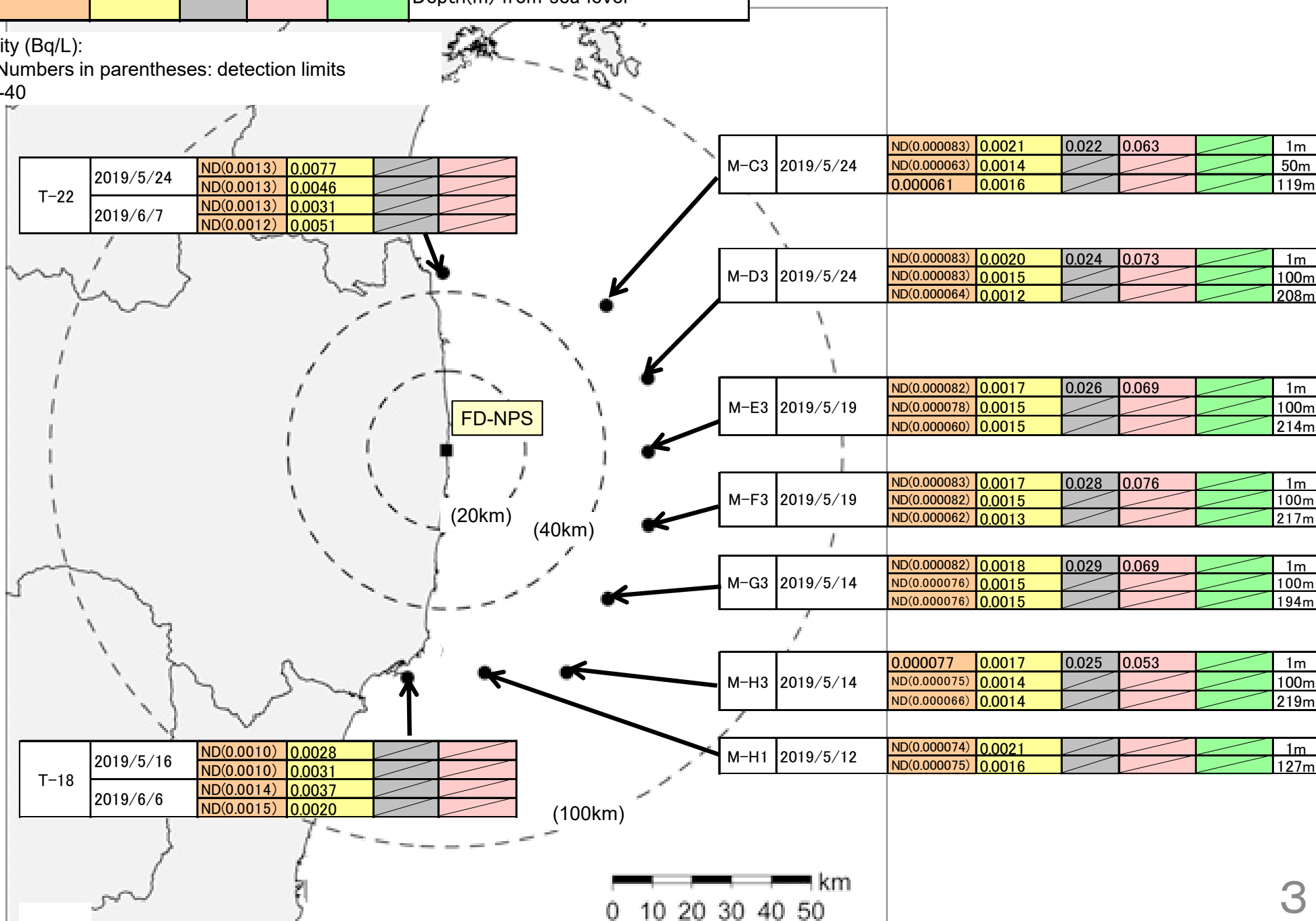
Most recent radioactivity data of sea area between 40-100km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	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 β : excluding K-40



Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
T-22	2019/5/24	ND(0.0013)	0.0077				1m
		ND(0.0013)	0.0046				50m
	2019/6/7	ND(0.0013)	0.0031				1m
		ND(0.0012)	0.0051				119m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-C3	2019/5/24	ND(0.00083)	0.0021	0.022	0.063		1m
		ND(0.00063)	0.0014				50m
		0.000061	0.0016				119m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-D3	2019/5/24	ND(0.00083)	0.0020	0.024	0.073		1m
		ND(0.00083)	0.0015				100m
		ND(0.00064)	0.0012				208m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-E3	2019/5/19	ND(0.00082)	0.0017	0.026	0.069		1m
		ND(0.00078)	0.0015				100m
		ND(0.00060)	0.0015				214m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-F3	2019/5/19	ND(0.00083)	0.0017	0.028	0.076		1m
		ND(0.00082)	0.0015				100m
		ND(0.00062)	0.0013				217m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-G3	2019/5/14	ND(0.00082)	0.0018	0.029	0.069		1m
		ND(0.00076)	0.0015				100m
		ND(0.00076)	0.0015				194m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-H3	2019/5/14	0.000077	0.0017	0.025	0.053		1m
		ND(0.00075)	0.0014				100m
		ND(0.00066)	0.0014				219m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
M-H1	2019/5/12	ND(0.00074)	0.0021				1m
		ND(0.00075)	0.0016				127m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
T-18	2019/5/16	ND(0.0010)	0.0028				1m
		ND(0.0010)	0.0031				100m
	2019/6/6	ND(0.0014)	0.0037				1m
		ND(0.0015)	0.0020				127m



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

T-MG1	2019/5/9	Cs-134	Cs-137	S/B
		ND(0.0014)	0.0031	S
	2019/6/4	ND(0.0014)	0.0027	B
		ND(0.0014)	0.0029	S
ND(0.0015)	0.0036	B		

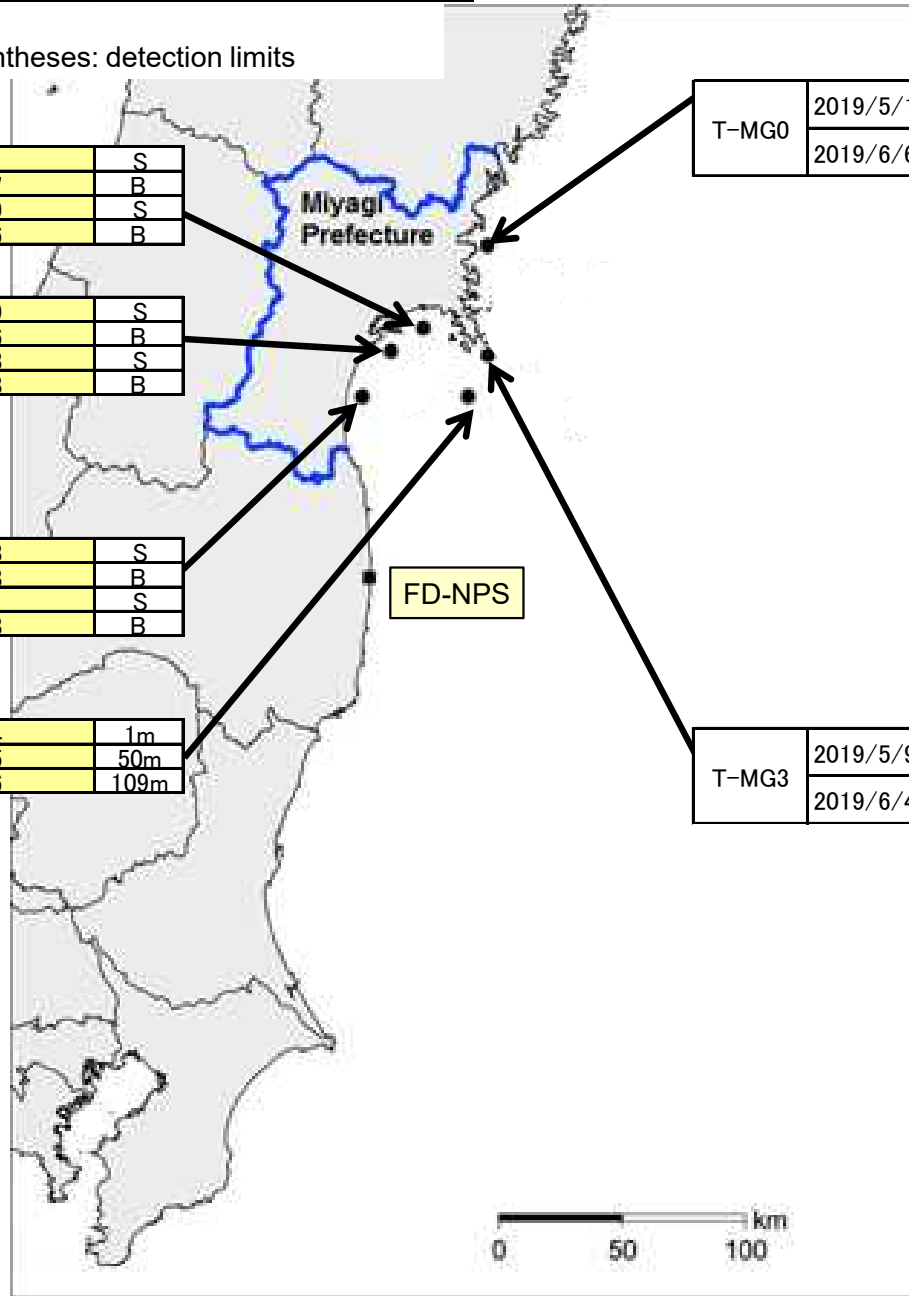
T-MG4	2019/5/10	Cs-134	Cs-137	S/B
		ND(0.0015)	0.0029	S
	2019/6/6	ND(0.0014)	0.0026	B
		ND(0.0013)	0.0033	S
ND(0.0013)	0.0038	B		

T-MG6	2019/5/10	Cs-134	Cs-137	S/B
		ND(0.0013)	0.0033	S
	2019/6/6	ND(0.0013)	0.0028	B
		ND(0.0014)	0.0031	S
ND(0.0014)	0.0038	B		

M-B3	2019/5/16	Cs-134	Cs-137	Depth
		0.000084	0.0024	1m
		ND(0.000080)	0.0015	50m
ND(0.000092)	0.0016	109m		

T-MG0	2019/5/14	Cs-134	Cs-137	S/B
		ND(0.0014)	0.0019	S
	2019/6/6	ND(0.0014)	0.0013	B
		ND(0.0013)	0.0015	S
ND(0.0014)	0.0019	B		

T-MG3	2019/5/9	Cs-134	Cs-137	S/B
		ND(0.0012)	0.0015	S
	2019/6/4	ND(0.0015)	0.0011	B
		ND(0.0013)	0.0023	S
ND(0.0017)	0.0012	B		



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
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Ibaraki Pref. and Chiba Pref.

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

T-A	2019/5/15	ND(1.0)	ND(1.1)	S
		ND(0.74)	ND(1.1)	B
	2019/6/13	ND(0.87)	ND(1.1)	S
		ND(0.92)	ND(1.1)	B

T-B	2019/5/15	ND(0.75)	ND(1.2)	S
		ND(0.78)	ND(1.2)	B
	2019/6/14	ND(0.97)	ND(1.2)	S
		ND(0.80)	ND(1.1)	B

T-C	2019/5/14	ND(0.92)	ND(1.1)	S
		ND(0.78)	ND(1.0)	B
	2019/6/17	ND(1.1)	ND(1.1)	S
		ND(0.80)	ND(1.2)	B

T-D	2019/5/15	ND(0.87)	ND(1.1)	S
		ND(0.86)	ND(1.1)	B
	2019/6/14	ND(0.87)	ND(1.0)	S
		ND(0.71)	ND(1.2)	B

M-M1	2019/5/9	0.000100	0.0018	1m
		ND(0.000077)	0.0018	104m

M-I3	2019/5/12	0.00008	0.0019	1m
		ND(0.000069)	0.0014	100m
		0.000082	0.0016	175m

M-J3	2019/5/10	0.000076	0.0019	1m
		0.000077	0.0020	100m
		ND(0.000042)	0.00068	556m

M-IB4	2019/5/10	ND(0.000079)	0.0017	1m
		ND(0.000078)	0.0019	114m

T-E	2019/5/14	ND(0.92)	ND(1.1)	S
		ND(0.81)	ND(1.1)	B
	2019/6/13	ND(0.97)	ND(1.0)	S
		ND(0.95)	ND(1.2)	B

M-L1	2019/5/11	0.000100	0.0020	1m
		0.000089	0.0019	37m

