

Sea Area Monitoring

September 25, 2019

Nuclear Regulation Authority (NRA), Japan

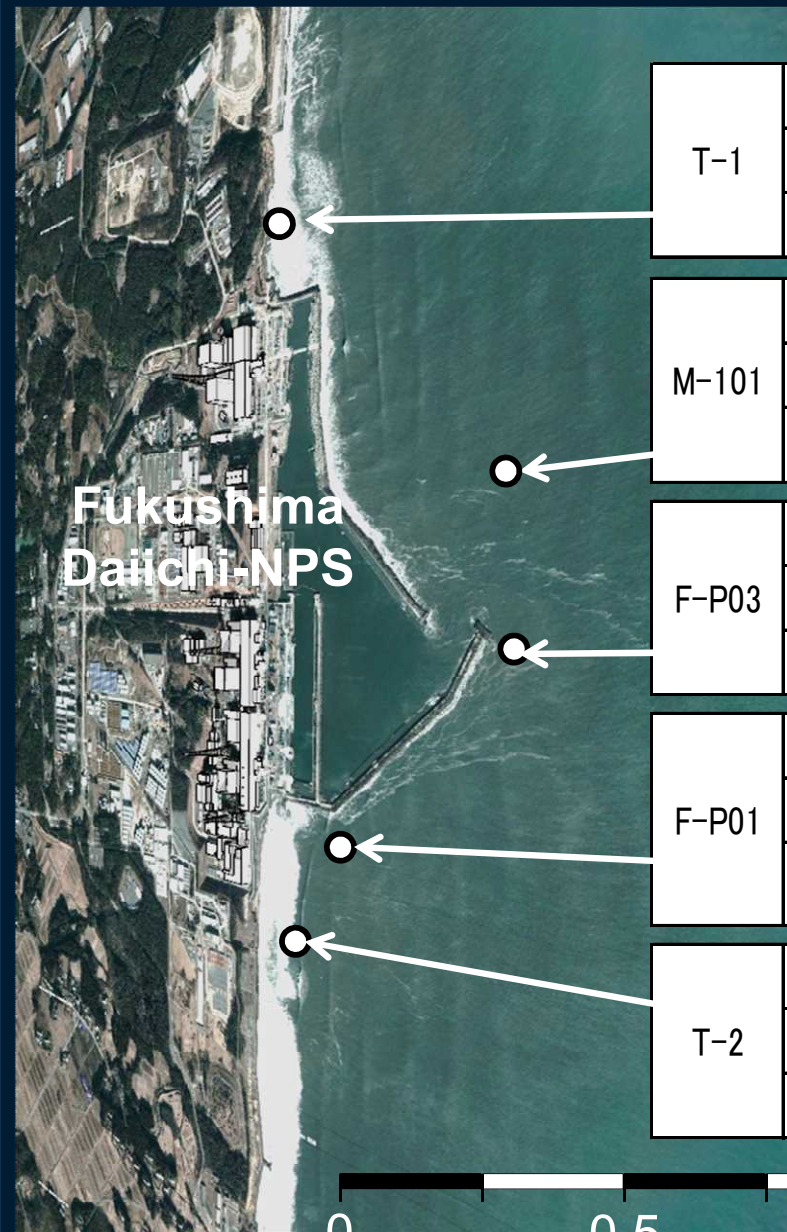
The most recent radioactivity data of sea area within 2km from the NPS

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	2019/6/3	0.0098	0.13	11 ^{*1}	ND(0.89)	0.0051	ND(1.9)		
	2019/7/1	0.0047	0.056	8.4 ^{*1}	ND(0.94)	0.0037	ND(2.0)		
	2019/8/5	0.0012	0.17						
M-101	2019/4/18	0.011	0.14		0.20	0.0052			
	2019/5/17	ND(0.00030)	0.0040		0.064	0.00097			
	2019/6/14	0.0038	0.046		0.075	0.0010			
F-P03	2019/4/17	ND(0.003)	0.032	0.03 ^{*2}	ND(0.36)	0.0012		ND(7×10^{-6})	9×10^{-6}
	2019/5/10	ND(0.003)	0.006	0.02 ^{*2}	ND(0.35)	0.0006		ND(8×10^{-6})	ND(7×10^{-6})
	2019/6/4	0.006	0.066	0.03 ^{*2}	ND(0.35)	0.0026		ND(7×10^{-6})	9×10^{-6}
F-P01	2019/4/17	ND(0.003)	0.019	0.03 ^{*2}	ND(0.36)	0.0008		ND(9×10^{-6})	ND(1.5×10^{-5})
	2019/5/10	ND(0.003)	0.016	0.02 ^{*2}	ND(0.35)	0.0007		ND(7×10^{-6})	6×10^{-6}
	2019/6/4	ND(0.002)	0.010	0.03 ^{*2}	ND(0.35)	0.0005		ND(8×10^{-6})	6×10^{-6}
T-2	2019/6/3	0.0039	0.051	12 ^{*1}	ND(0.89)	0.0023	ND(2.0)		
	2019/7/1	0.0039	0.045	10 ^{*1}	ND(0.95)	0.0037	ND(2.1)		
	2019/8/5	0.0035	0.051						

0 0.5 1km

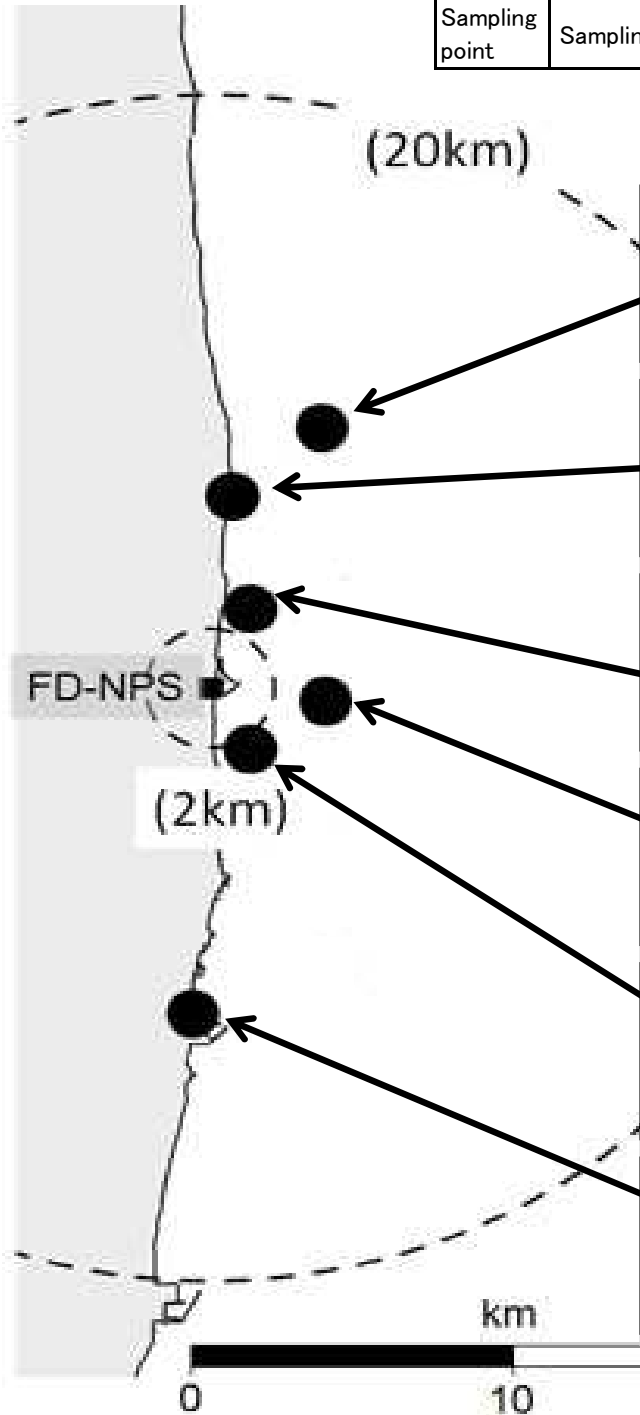
Most recent radioactivity data of sea area between 2-20km from the NPS

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

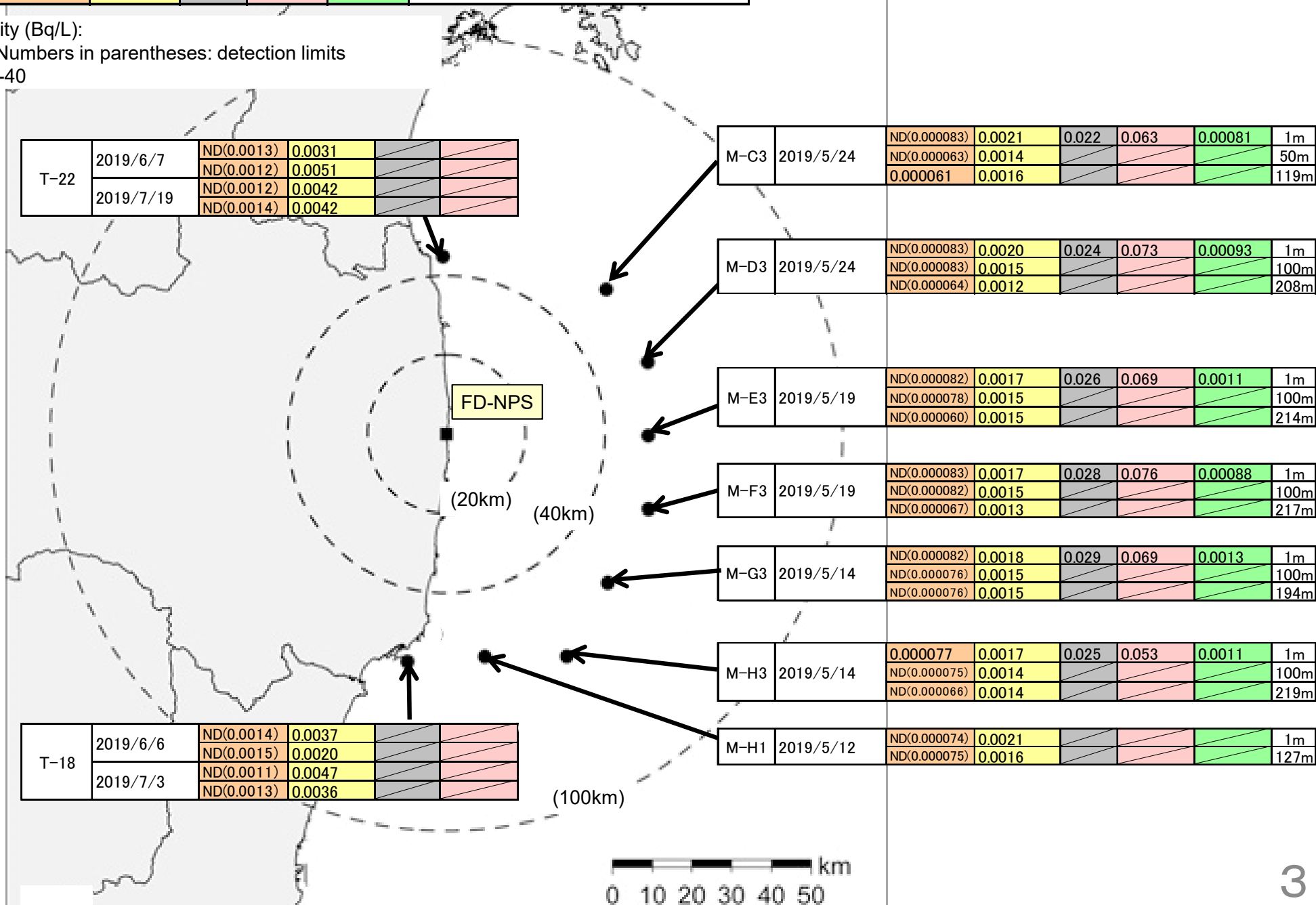


T-D1	2019/6/3	ND(0.0012)	0.0042	ND(17)	ND(0.35)	0.00068	ND(2.3)			S
	2019/7/2	ND(0.0012)	0.0071	ND(15)	ND(0.34)	0.00086	ND(2.6)			S
	2019/8/8	ND(0.0011)	0.0030			0.0010				S
T-6	2019/6/4	0.0018	0.018	ND(16)	0.54					S
	2019/7/2	0.0023	0.026	ND(17)	ND(0.35)					S
	2019/8/6	0.0019	0.023	ND(16)	ND(0.36)					S
M-103	2019/4/18	0.00078	0.014		0.12	0.0014				0.5m
	2019/5/17	ND(0.00031)	0.004		0.074	0.00099				0.5m
	2019/6/14	0.00087	0.013		0.085					0.5m
T-D5	2019/6/3	ND(0.0013)	0.0052	ND(17)	ND(0.35)	0.0011				S
	2019/7/2	ND(0.0012)	0.0059	ND(15)	ND(0.34)	0.0014				S
	2019/8/8	ND(0.0010)	0.0046			0.00085				S
M-104	2019/4/17	0.0018	0.023		0.077	0.0018				0.5m
	2019/5/16	0.00033	0.0049		0.077	0.00081				0.5m
	2019/6/13	0.00042	0.0057		0.069					0.5m
T-3	2019/6/4	0.0015	0.016	ND(15)	0.57					S
	2019/7/2	0.0017	0.021	ND(16)	0.42					S
	2019/8/6	0.0021	0.026	ND(19)	ND(0.34)					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
		ND(0.0013)	0.0031			
T-22	2019/6/7	ND(0.0012)	0.0051			
		ND(0.0012)	0.0042			
T-22	2019/7/19	ND(0.0014)	0.0042			

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
		ND(0.000083)	0.0021	0.022	0.063	0.00081	1m
M-C3	2019/5/24	ND(0.000063)	0.0014				50m
		0.000061	0.0016				119m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
		ND(0.000083)	0.0020	0.024	0.073	0.00093	1m
M-D3	2019/5/24	ND(0.000083)	0.0015				100m
		ND(0.000064)	0.0012				208m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
		ND(0.000082)	0.0017	0.026	0.069	0.0011	1m
M-E3	2019/5/19	ND(0.000078)	0.0015				100m
		ND(0.000060)	0.0015				214m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
		ND(0.000083)	0.0017	0.028	0.076	0.00088	1m
M-F3	2019/5/19	ND(0.000082)	0.0015				100m
		ND(0.000067)	0.0013				217m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
		ND(0.000082)	0.0018	0.029	0.069	0.0013	1m
M-G3	2019/5/14	ND(0.000076)	0.0015				100m
		ND(0.000076)	0.0015				194m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
		0.000077	0.0017	0.025	0.053	0.0011	1m
M-H3	2019/5/14	ND(0.000075)	0.0014				100m
		ND(0.000066)	0.0014				219m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth(m)
		ND(0.000074)	0.0021				1m
M-H1	2019/5/12	ND(0.000075)	0.0016				127m

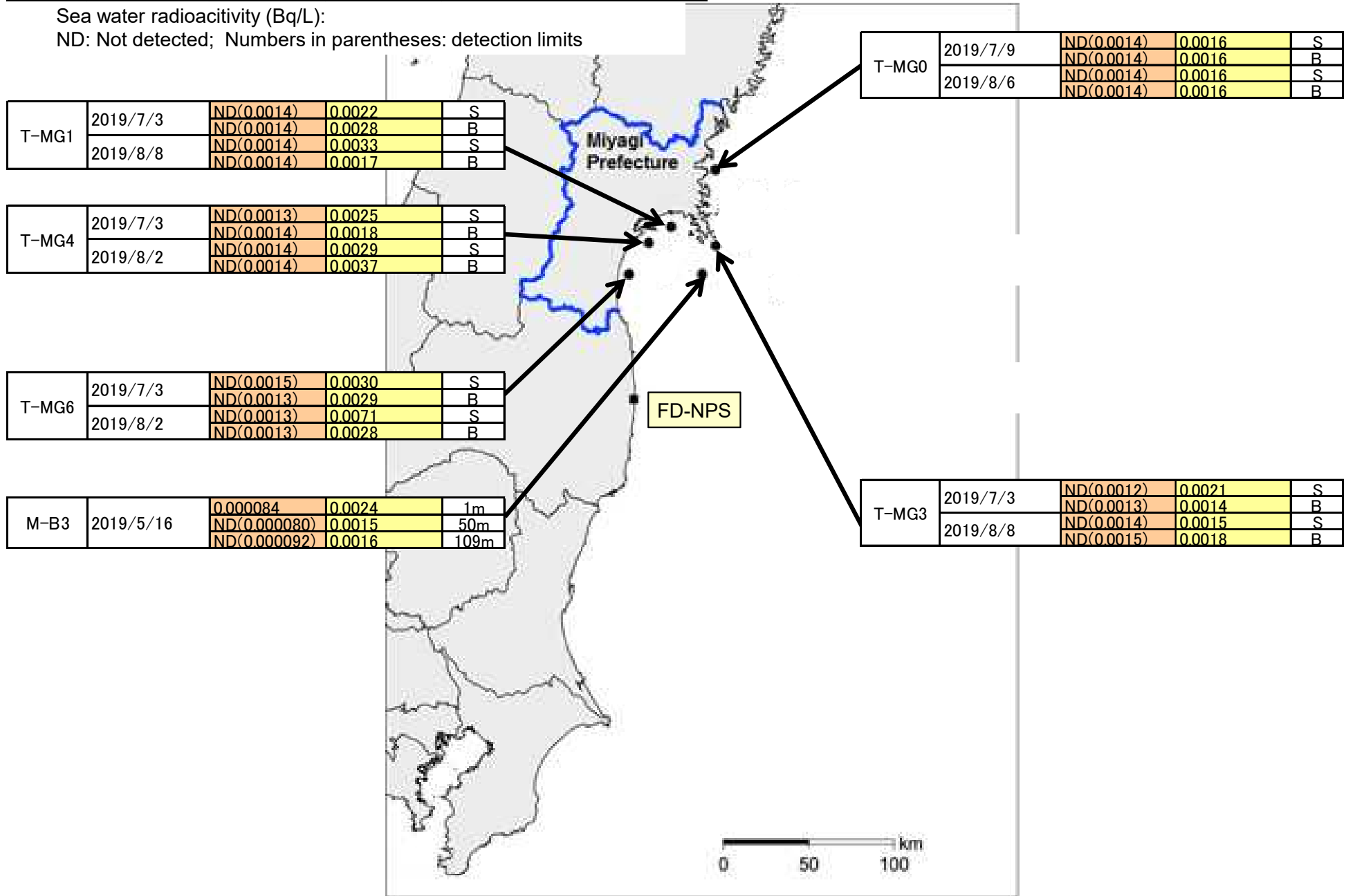
Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90
		ND(0.0014)	0.0037			
T-18	2019/6/6	ND(0.0015)	0.0020			
		ND(0.0011)	0.0047			
T-18	2019/7/3	ND(0.0013)	0.0036			

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

T-A	2019/7/10	ND(1.1)	ND(1.1)	S
		ND(0.87)	ND(1.2)	B
	2019/8/2	ND(0.87)	ND(1.2)	S
		ND(0.98)	ND(1.2)	B

T-B	2019/7/12	ND(0.87)	ND(1.1)	S
		ND(0.79)	ND(1.1)	B
	2019/8/2	ND(1.2)	ND(1.2)	S
		ND(0.91)	ND(1.2)	B

T-C	2019/7/11	ND(0.97)	ND(1.1)	S
		ND(0.64)	ND(1.1)	B
	2019/8/5	ND(1.1)	ND(0.93)	S
		ND(0.79)	ND(1.2)	B

T-D	2019/7/12	ND(1.0)	ND(1.2)	S
		ND(0.70)	ND(1.2)	B
	2019/8/2	ND(1.1)	ND(1.2)	S
		ND(0.98)	ND(1.2)	B

M-M1	2019/5/9	0.00010	0.0018	1m
		ND(0.000077)	0.0018	104m

M-I3	2019/5/12	0.000077	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	2019/7/11	ND(0.97)	ND(1.0)	S
		ND(0.64)	ND(1.1)	B
	2019/8/1	ND(1.1)	ND(1.2)	S
		ND(1.1)	ND(1.2)	B

M-L1	2019/5/11	0.00010	0.0020	1m
		0.000089	0.0019	37m

