

Sea Area Monitoring

December 25, 2019

Nuclear Regulation Authority (NRA), Japan

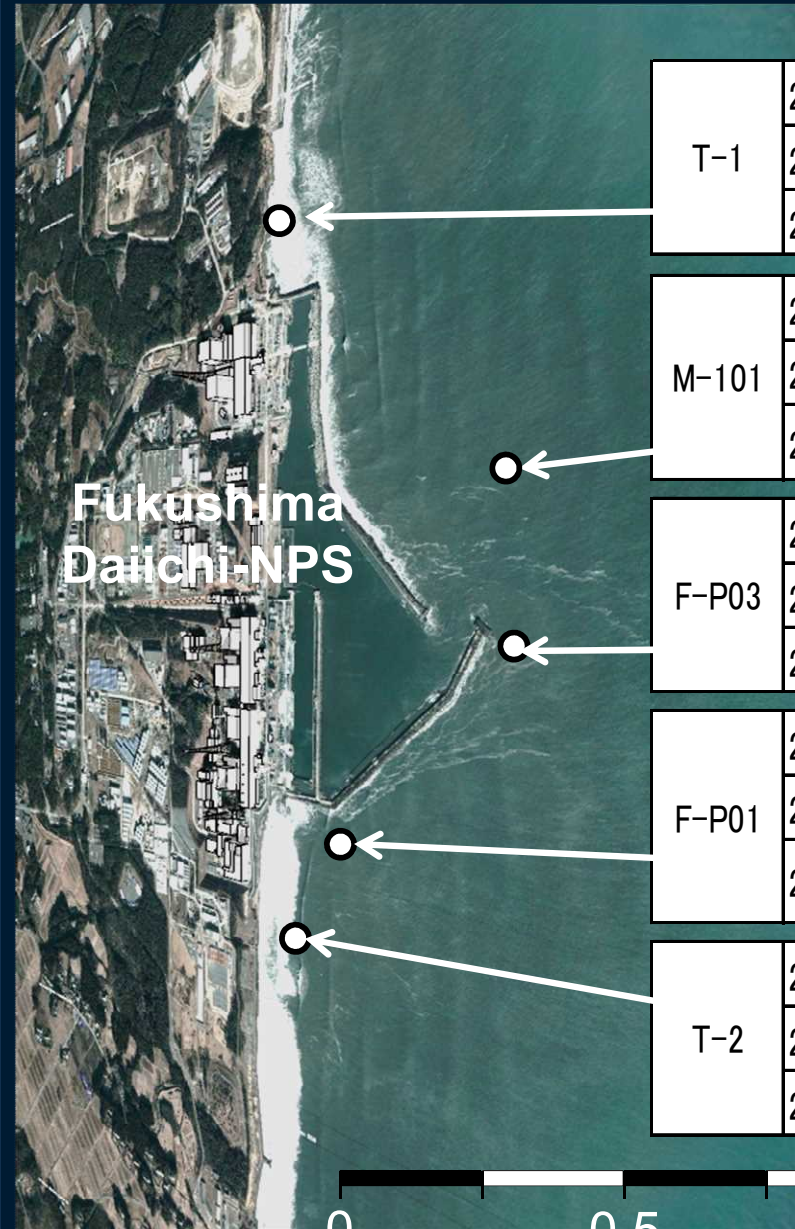
The most recent radioactivity data of sea area within 2km from the NPS

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	2019/8/5	0.0012	0.17	12	2.7	0.0047	ND(2.9)		
	2019/10/7	0.0036	0.052	11	ND(0.83)	0.0014	ND(1.9)	ND(6.4×10^{-6})	ND(6.4×10^{-6})
	2019/11/4	0.0062	0.085	12	ND(0.84)	0.0027	ND(2.3)		
M-101	2019/8/9	0.0017	0.021		0.12	0.0014			
	2019/9/5	0.0036	0.048		0.21	0.0030			
	2019/10/2	ND(0.00029)	0.004						
F-P03	2019/7/2	0.028	0.38	0.02 ^{*2}	0.51	0.013		ND(6×10^{-6})	ND(6×10^{-6})
	2019/8/1	0.014	0.18	0.02 ^{*2}	0.51	0.0047		ND(8×10^{-6})	ND(8×10^{-6})
	2019/9/20	0.023	0.33	0.02 ^{*2}	0.66	0.010		ND(9×10^{-6})	ND(8×10^{-6})
F-P01	2019/7/2	ND(0.003)	0.024	0.03 ^{*2}	ND(0.35)	0.0017		ND(7×10^{-6})	ND(9×10^{-6})
	2019/8/1	ND(0.003)	0.017	0.02 ^{*2}	ND(0.34)	0.0011		ND(8×10^{-6})	ND(7×10^{-6})
	2019/9/20	ND(0.002)	0.005	0.02 ^{*2}	ND(0.34)	0.0011		ND(7×10^{-6})	ND(8×10^{-6})
T-2	2019/9/2	0.0026	0.038	9.3	ND(0.83)	0.0015	ND(2.2)		
	2019/10/7	0.0031	0.050	12	ND(0.83)	0.0022	ND(2.4)	ND(6.4×10^{-6})	ND(6.4×10^{-6})
	2019/11/4	0.0066	0.10	13	ND(0.84)	0.011	ND(2.2)		

0 0.5 1km

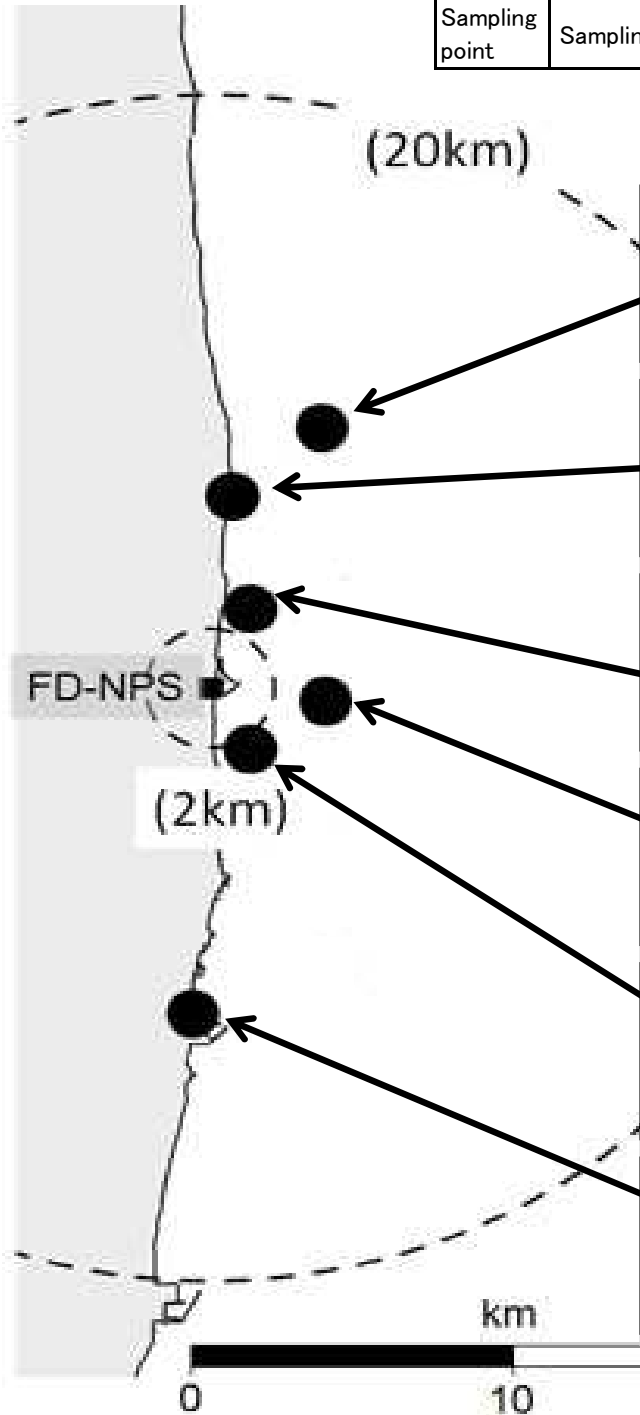
Most recent radioactivity data of sea area between 2-20km from the NPS

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
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Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross β : including K-40



T-D1	2019/9/2	ND(0.00097)	0.0029	ND(15)	0.37	0.0014	ND(2.3)			S
	2019/10/1	ND(0.0011)	0.0046	ND(15)	ND(0.39)	0.00082	ND(2.2)			S
	2019/11/7	0.0028	0.040	ND(17)	0.47	0.0011	ND(2.2)			S
T-6	2019/9/3	ND(0.0014)	0.0073	ND(13)	0.55					S
	2019/10/1	ND(0.0013)	0.014	ND(13)	ND(0.35)					S
	2019/11/5	0.0048	0.071	ND(15)	ND(0.30)					S
M-103	2019/8/9	0.00081	0.012		0.13	0.0013				0.5m
	2019/9/5	ND(0.00026)	0.0039		0.075	0.00078				0.5m
	2019/10/2	ND(0.00027)	0.0043							0.5m
T-D5	2019/9/2	ND(0.0012)	0.0031	ND(15)	ND(0.35)	0.0014	ND(2.4)			S
	2019/10/1	ND(0.0012)	0.0032	ND(15)	ND(0.39)	ND(0.00071)	ND(2.2)			S
	2019/11/7	0.0015	0.019	ND(17)	ND(0.33)	0.0011	ND(2.2)			S
M-104	2019/8/8	ND(0.00029)	0.0049		0.089	0.00095				0.5m
	2019/9/6	0.00060	0.0086		0.090	0.0010				0.5m
	2019/10/3	0.00043	0.0081							0.5m
T-3	2019/9/3	0.0023	0.026	ND(15)	ND(0.38)					S
	2019/10/1	0.0017	0.024	ND(15)	ND(0.32)					S
	2019/11/5	0.0089	0.13	ND(14)	0.32					S

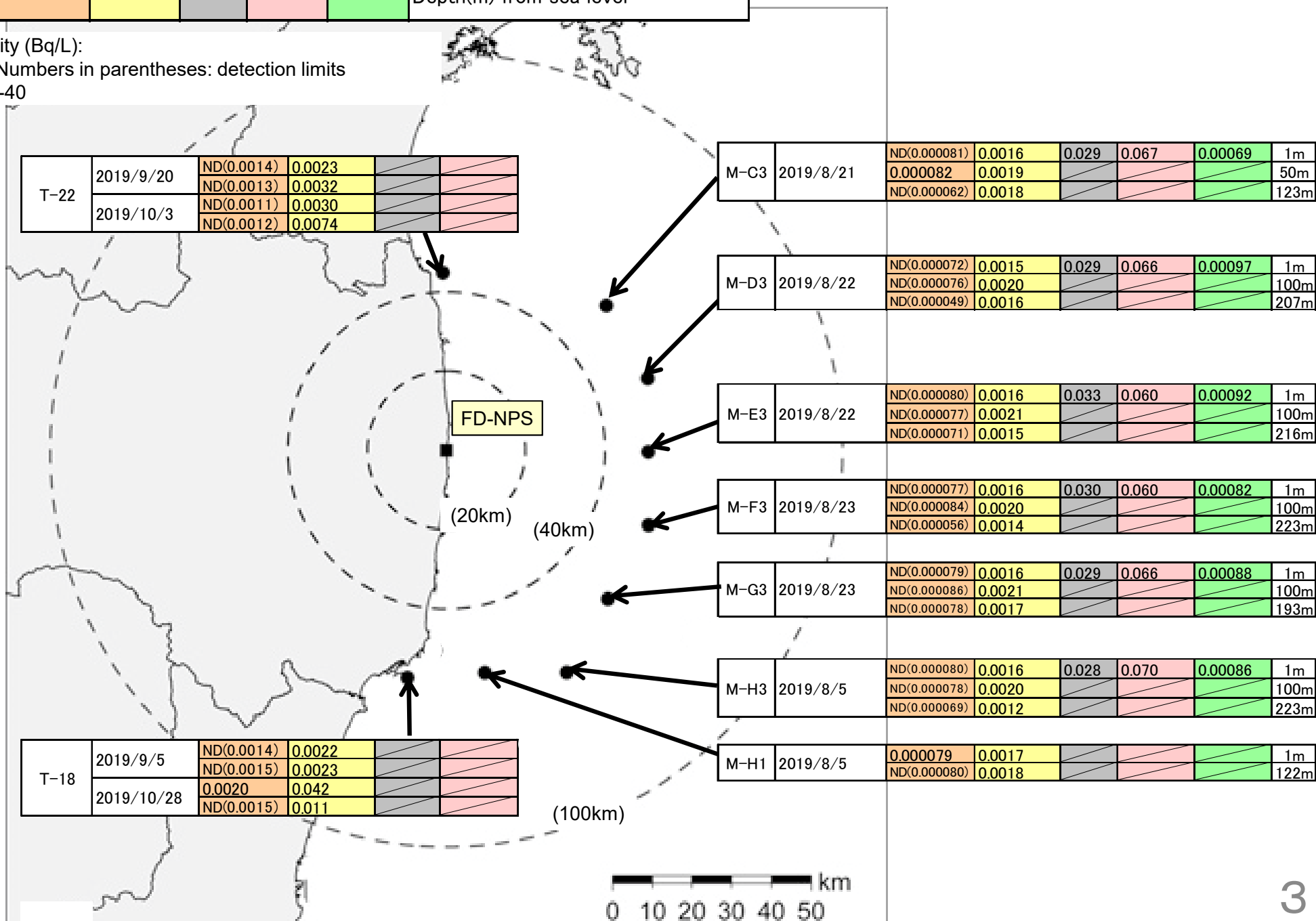
Most recent radioactivity data of sea area between 40-100km from the NPS

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(0.0014)	0.0023			
T-22	2019/9/20	ND(0.0013)	0.0032			
		ND(0.0011)	0.0030			
T-22	2019/10/3	ND(0.0012)	0.0074			

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth (m)	
		ND(0.000081)	0.0016	0.029	0.067	0.00069		1m
		0.000082	0.0019					50m
M-C3	2019/8/21	ND(0.000062)	0.0018				123m	

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth (m)	
		ND(0.000072)	0.0015	0.029	0.066	0.00097		1m
		ND(0.000076)	0.0020					100m
M-D3	2019/8/22	ND(0.000049)	0.0016				207m	

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth (m)	
		ND(0.000080)	0.0016	0.033	0.060	0.00092		1m
		ND(0.000077)	0.0021					100m
M-E3	2019/8/22	ND(0.000071)	0.0015				216m	

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth (m)	
		ND(0.000077)	0.0016	0.030	0.060	0.00082		1m
		ND(0.000084)	0.0020					100m
M-F3	2019/8/23	ND(0.000056)	0.0014				223m	

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth (m)	
		ND(0.000079)	0.0016	0.029	0.066	0.00088		1m
		ND(0.000086)	0.0021					100m
M-G3	2019/8/23	ND(0.000078)	0.0017				193m	

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth (m)	
		ND(0.000080)	0.0016	0.028	0.070	0.00086		1m
		ND(0.000078)	0.0020					100m
M-H3	2019/8/5	ND(0.000069)	0.0012				223m	

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth (m)
		0.000079	0.0017				
M-H1	2019/8/5	ND(0.000080)	0.0018				122m

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90
		ND(0.0014)	0.0022			
		ND(0.0015)	0.0023			
T-18	2019/9/5	0.0020	0.042			
		ND(0.0015)	0.011			
T-18	2019/10/28					

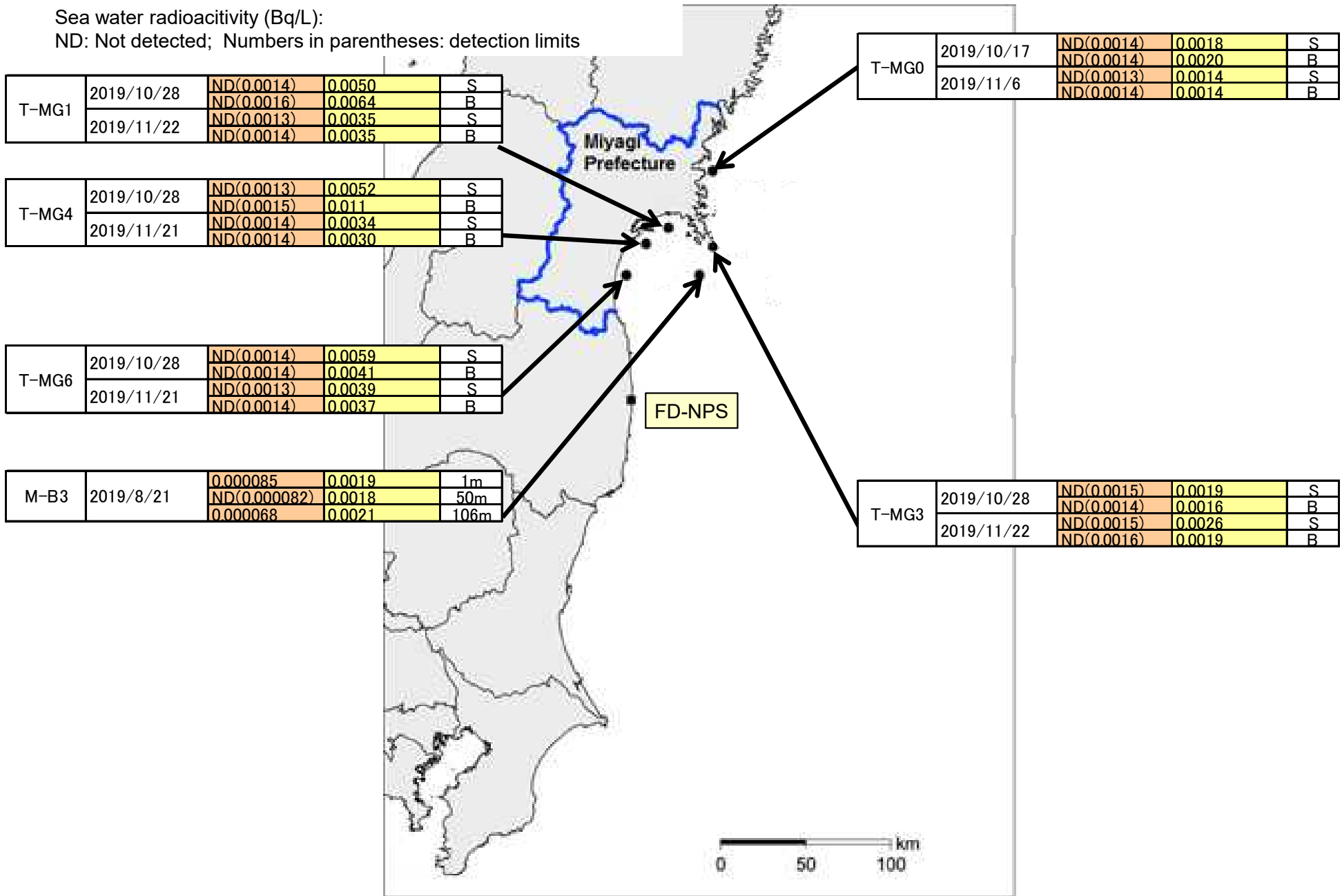


Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

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
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Ibaraki Pref. and Chiba Pref.

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

T-A	2019/9/6	ND(0.93)	ND(1.0)	S
		ND(0.93)	ND(1.1)	B
	2019/10/9	ND(1.0)	ND(1.1)	S
		ND(0.74)	ND(1.2)	B

T-B	2019/9/11	ND(0.92)	ND(1.2)	S
		ND(0.97)	ND(1.0)	B
	2019/10/10	ND(0.82)	ND(1.1)	S
		ND(0.79)	ND(1.1)	B

T-C	2019/9/10	ND(0.97)	ND(1.3)	S
		ND(0.97)	ND(1.0)	B
	2019/10/18	ND(1.1)	ND(1.2)	S
		ND(0.90)	ND(1.2)	B

T-D	2019/9/11	ND(0.97)	ND(1.2)	S
		ND(0.81)	ND(1.1)	B
	2019/10/17	ND(0.81)	ND(1.1)	S
		ND(0.74)	ND(1.2)	B

M-M1	2019/8/2	ND(0.000076)	0.0020	1m
		0.000120	0.0021	105m

M-I3	2019/8/5	ND(0.000087)	0.0019	1m
		ND(0.000084)	0.0019	100m
		ND(0.000082)	0.0017	178m

M-J3	2019/8/3	ND(0.000081)	0.0020	1m
		ND(0.000081)	0.0015	100m
		ND(0.000038)	0.00042	564m

M-IB4	2019/8/3	0.000091	0.0020	1m
		ND(0.000077)	0.0017	106m

T-E	2019/9/10	ND(1.0)	ND(1.1)	S
		ND(0.97)	ND(1.1)	B
	2019/10/9	ND(0.75)	ND(0.76)	S
		ND(0.54)	ND(0.80)	B

M-L1	2019/8/2	ND(0.000080)	0.0019	1m
		0.000094	0.0019	38m

