

Sea Area Monitoring

January 28, 2020

Nuclear Regulation Authority (NRA), Japan

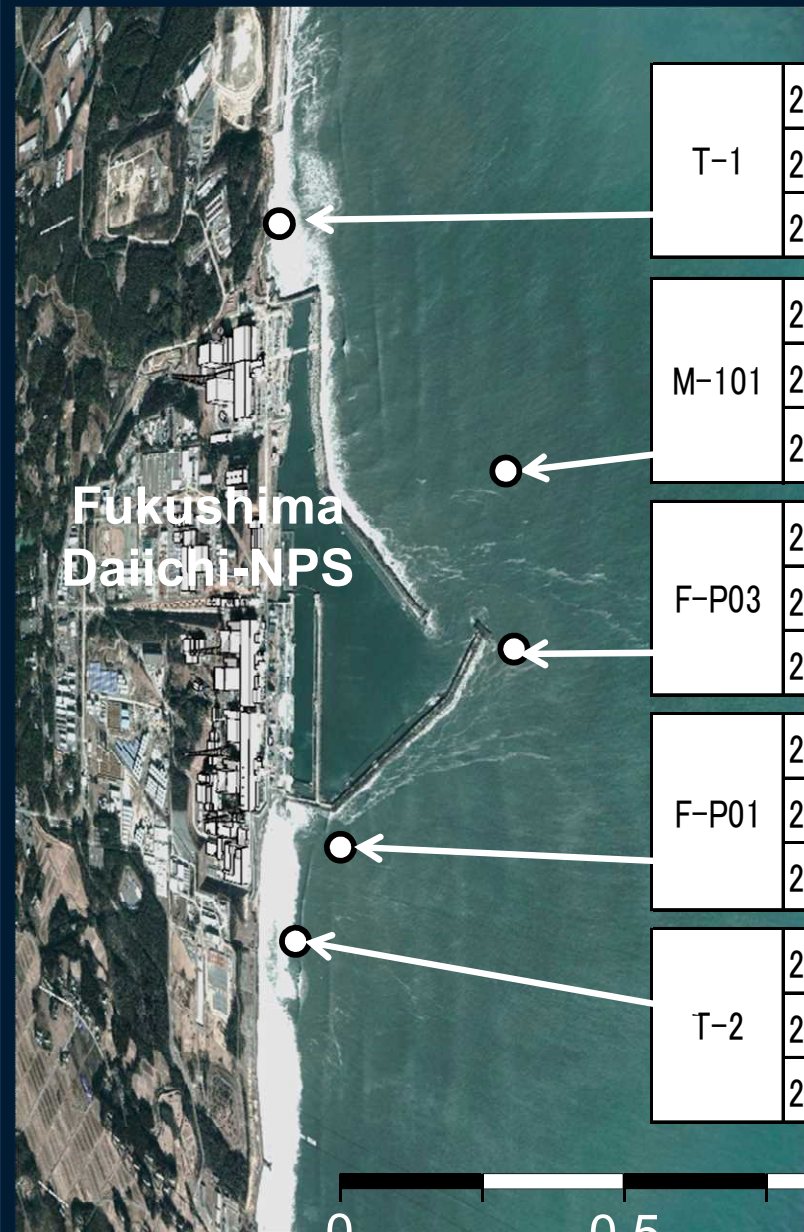
The most recent radioactivity data of sea area within 2km from the NPS

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	2019/10/7	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)		
	2019/12/2	0.012	0.17	10	ND(0.87)	0.0044	ND(2.4)		
M-101	2019/9/5	0.0036	0.048		0.21	0.0030			
	2019/10/2	ND(0.00029)	0.0041		0.097	0.00071			
	2019/11/13	0.0029	0.044		0.10				
F-P03	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})
	2019/10/2	0.008	0.15	0.03 ^{*2}	0.83	0.034		ND(1×10^{-5})	ND(9×10^{-6})
F-P01	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})
	2019/10/2	ND(0.003)	0.011	0.02 ^{*2}	ND(0.34)	0.0008		ND(6×10^{-6})	ND(7×10^{-6})
T-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)		
	2019/12/2	0.0071	0.10	14	ND(0.87)	0.0061	ND(2.0)		

0 0.5 1km

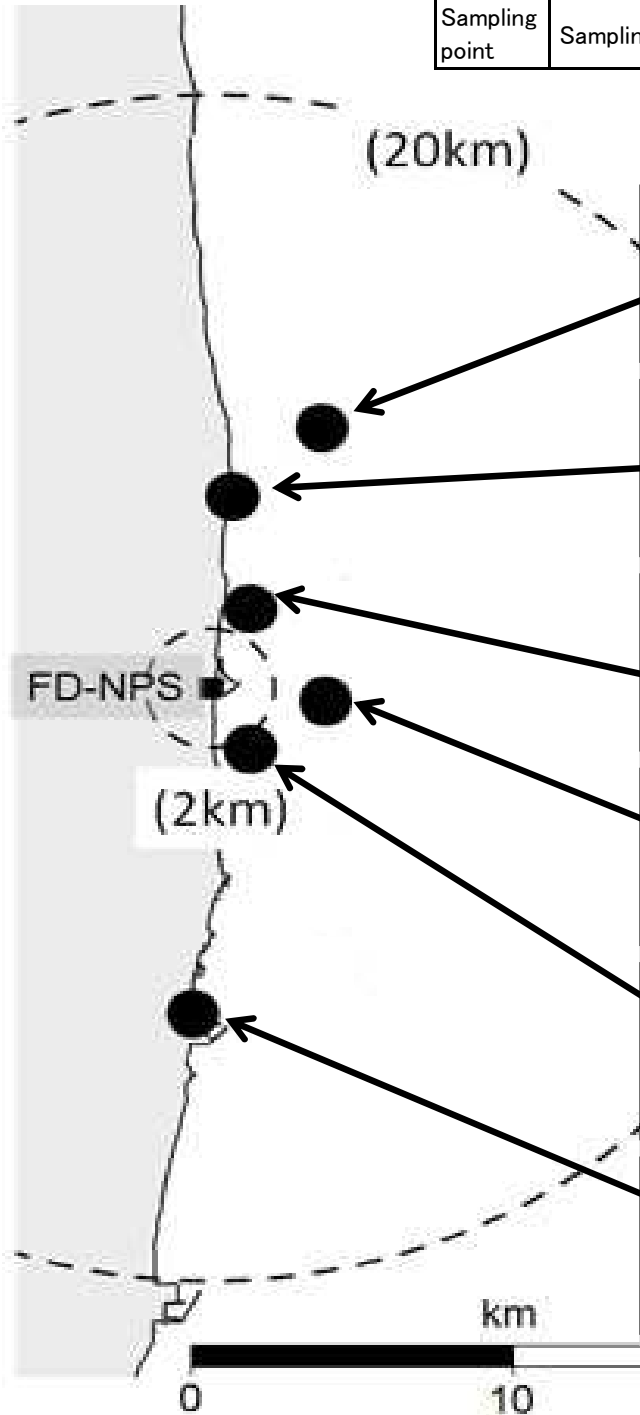
Most recent radioactivity data of sea area between 2-20km from the NPS

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
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Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross β : including K-40

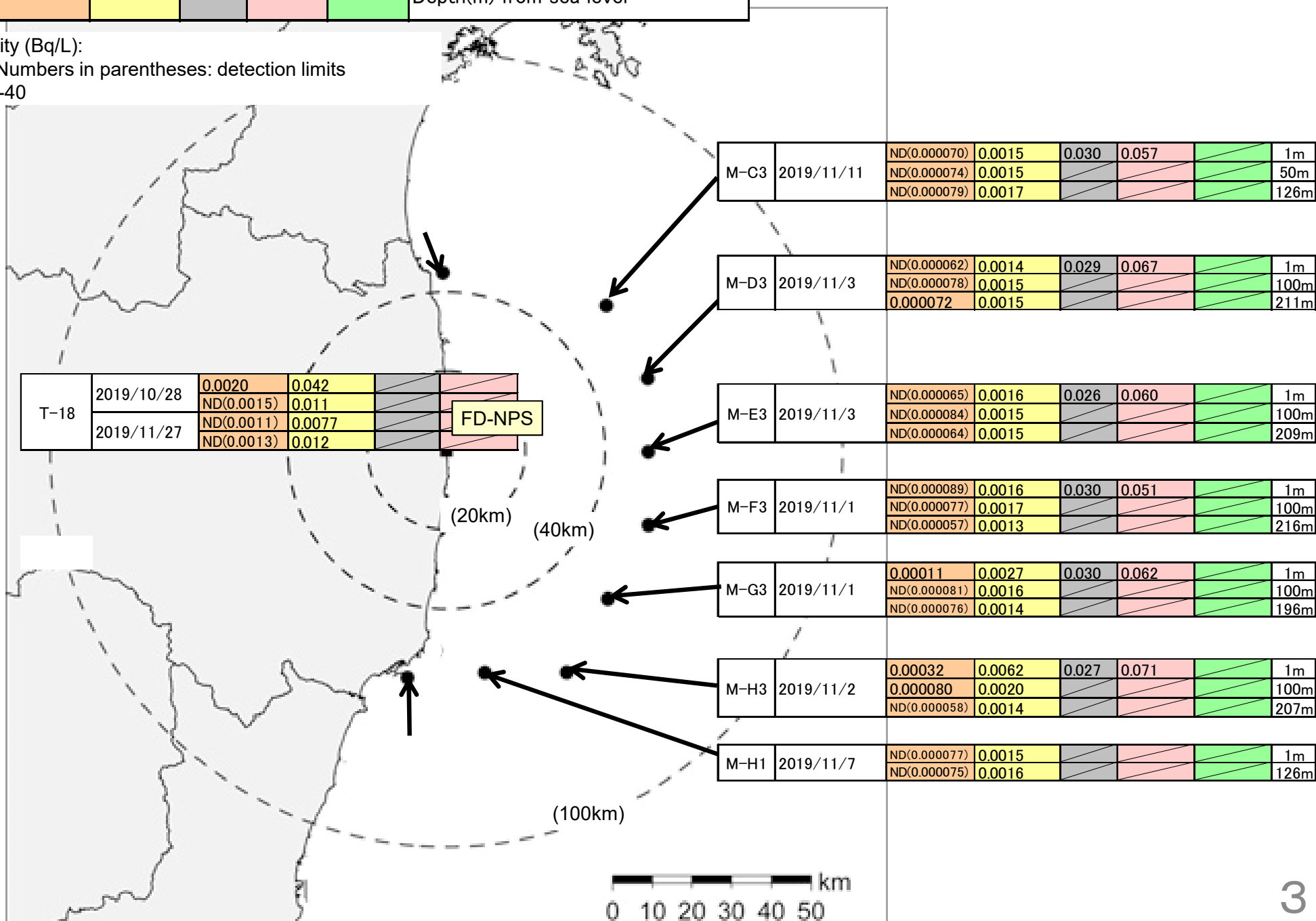


T-D1	2019/10/1	ND(0.0011)	0.0046	ND(15)	ND(0.39)	0.00082	ND(2.2)			S
	2019/11/7	0.0028	0.040	ND(17)	0.47	0.0011	ND(2.2)			S
	2019/12/3	ND(0.0011)	0.014							S
T-6	2019/10/1	ND(0.0013)	0.014	ND(13)	ND(0.35)					S
	2019/11/5	0.0048	0.071	ND(15)	ND(0.30)					S
	2019/12/3	0.0046	0.066	ND(13)	0.40					S
M-103	2019/9/5	ND(0.00026)	0.0039		0.075	0.00078				0.5m
	2019/10/2	ND(0.00027)	0.0043		0.097					0.5m
	2019/11/13	0.0021	0.035		0.20					0.5m
T-D5	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
	2019/12/3	ND(0.0010)	0.0056							S
M-104	2019/9/6	0.00060	0.0086		0.090	0.0010				0.5m
	2019/10/3	0.00043	0.0081		0.086	0.00083				0.5m
	2019/11/14	0.0013	0.025		0.080					0.5m
T-3	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
	2019/12/3	0.0041	0.054	ND(13)	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



T-18	2019/10/28	Cs-134	Cs-137	Gross β	H-3	Sr-90
		0.0020	0.042			
	ND(0.0015)	0.011				
	2019/11/27	ND(0.0011)	0.0077			
ND(0.0013)		0.012				

M-C3	2019/11/11	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000070)	0.0015	0.030	0.057		1m
		ND(0.000074)	0.0015				50m
		ND(0.000079)	0.0017				126m

M-D3	2019/11/3	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000062)	0.0014	0.029	0.067		1m
		ND(0.000078)	0.0015				100m
		0.000072	0.0015				211m

M-E3	2019/11/3	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000065)	0.0016	0.026	0.060		1m
		ND(0.000084)	0.0015				100m
		ND(0.000064)	0.0015				209m

M-F3	2019/11/1	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000089)	0.0016	0.030	0.051		1m
		ND(0.000077)	0.0017				100m
		ND(0.000057)	0.0013				216m

M-G3	2019/11/1	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		0.00011	0.0027	0.030	0.062		1m
		ND(0.000081)	0.0016				100m
		ND(0.000076)	0.0014				196m

M-H3	2019/11/2	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		0.00032	0.0062	0.027	0.071		1m
		0.000080	0.0020				100m
		ND(0.000058)	0.0014				207m

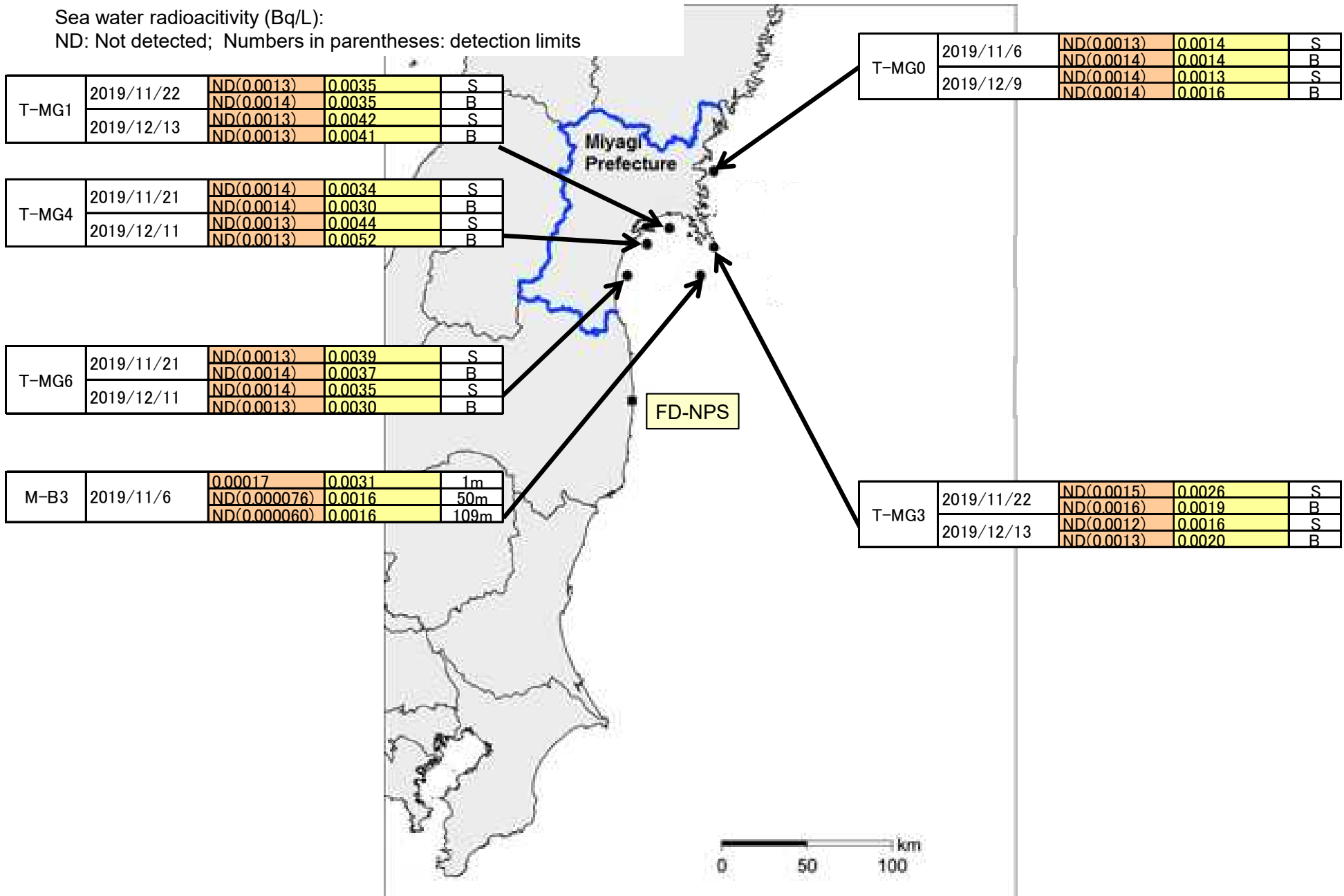
M-H1	2019/11/7	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000077)	0.0015				1m
		ND(0.000075)	0.0016				126m

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.

T-A	2019/11/13	ND(0.90)	ND(1.2)	S
		ND(0.78)	ND(1.1)	B
	2019/12/11	ND(0.87)	ND(1.2)	S
		ND(0.69)	ND(1.2)	B

S:2m below sea level B:2-3m above sea bottom

Ibaraki Pref. and Chiba Pref.

T-B	2019/11/14	ND(0.86)	ND(1.1)	S
		ND(0.74)	ND(1.2)	B
	2019/12/11	ND(0.81)	ND(1.1)	S
		ND(0.78)	ND(1.1)	B

T-C	2019/11/13	ND(1.1)	ND(1.2)	S
		ND(0.78)	ND(1.2)	B
	2019/12/12	ND(0.75)	ND(1.1)	S
		ND(0.69)	ND(1.2)	B

T-D	2019/11/13	ND(0.87)	ND(1.1)	S
		ND(0.97)	ND(1.2)	B
	2019/12/10	ND(0.67)	ND(1.1)	S
		ND(0.94)	ND(1.2)	B

M-M1	2019/11/10	ND(0.000055)	0.0014	1m
		0.000093	0.0021	102m

M-I3	2019/11/7	0.00060	0.010	1m
		ND(0.000076)	0.0016	100m
		ND(0.000059)	0.0017	173m

M-J3	2019/11/9	0.00013	0.0035	1m
		ND(0.000062)	0.0018	100m
		ND(0.000038)	0.00050	560m

M-IB4	2019/11/8	0.00012	0.0023	1m
		ND(0.000067)	0.0020	109m

T-E	2019/11/12	ND(0.87)	ND(1.1)	S
		ND(0.69)	ND(1.1)	B
	2019/12/11	ND(0.75)	ND(1.2)	S
		ND(0.83)	ND(1.1)	B

M-L1	2019/11/10	ND(0.000076)	0.0015	1m
		ND(0.000080)	0.0021	35m

