

Sea Area Monitoring

November 26, 2018

Nuclear Regulation Authority (NRA), Japan

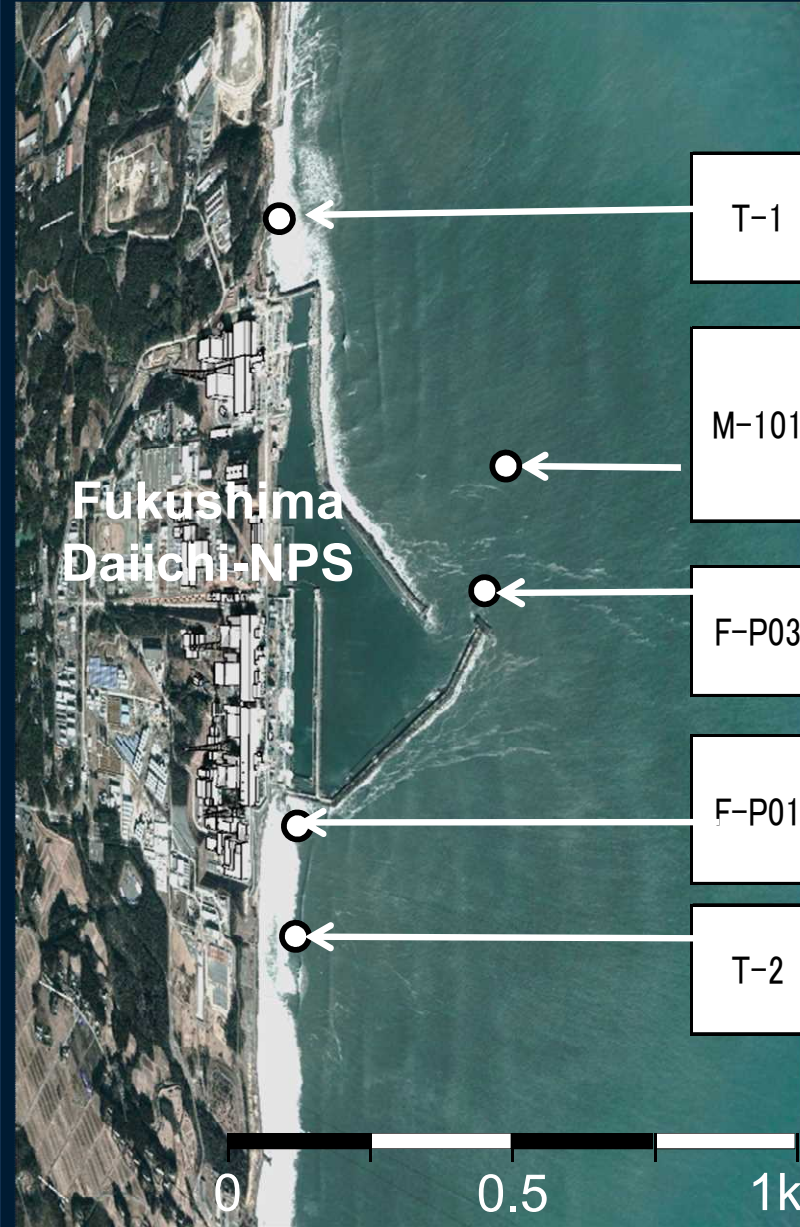
The most recent radioactivity data of sea area within 2km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross 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

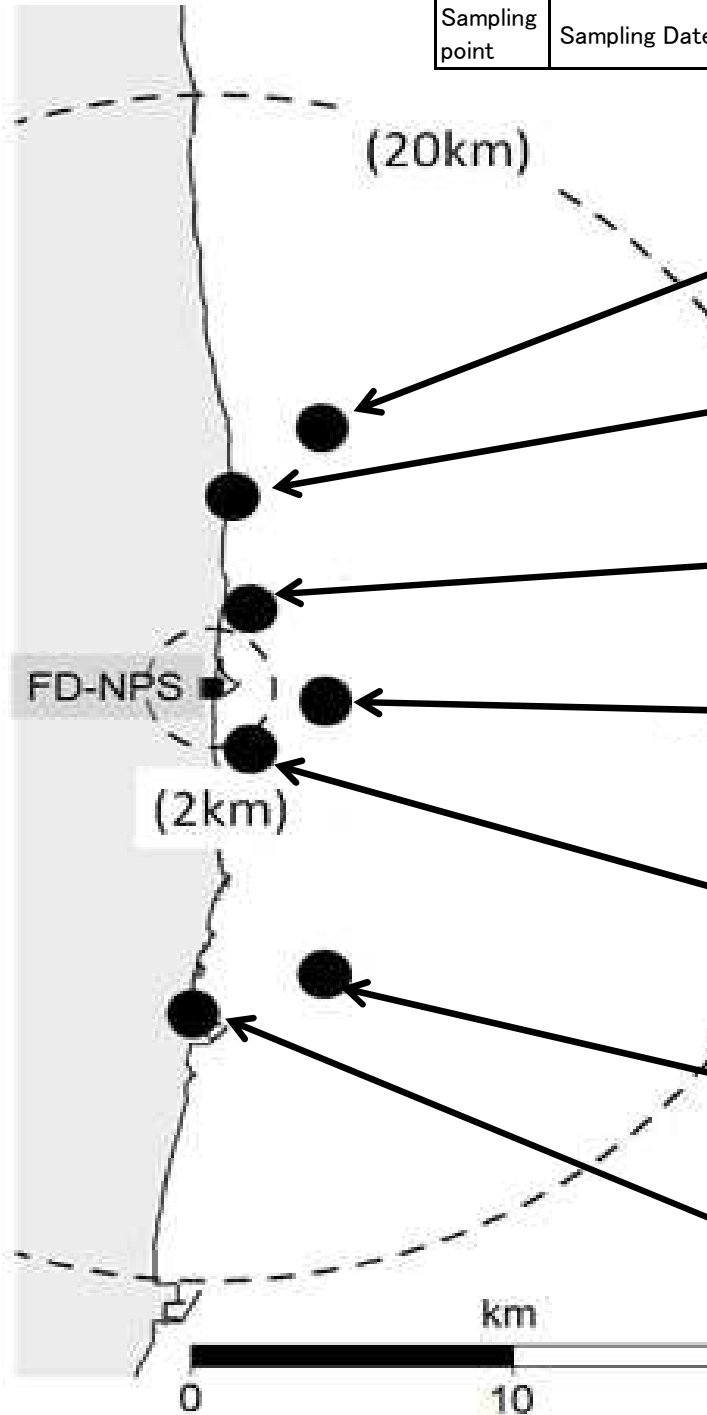


T-1	2018/9/3	0.011	0.11	12 ^{*1}	/	0.0029	ND(2.2)	/	/
	2018/10/2	0.011	0.11	11 ^{*1}	/	0.0040	ND(2.0)	/	/
M-101	2018/2/1	0.0015	0.013	/	0.061	0.0012	/	/	/
	2018/3/13	0.0044	0.041	/	/	0.0075	/	/	/
	2018/4/20	0.0014	0.012	/	/	0.0011	/	/	/
F-P03	2018/6/14	0.008	0.071	0.03 ^{*2}	ND(0.33)	0.010	/	ND(9×10^{-6})	7×10^{-6}
	2018/7/10	ND(0.003)	0.071	0.03 ^{*2}	ND(0.34)	0.008	/	ND(6×10^{-6})	7×10^{-6}
F-P01	2018/6/14	ND(0.003)	0.024	0.03 ^{*2}	ND(0.33)	0.0024	/	ND(8×10^{-6})	ND(8×10^{-6})
	2018/7/10	0.002	0.019	0.03 ^{*2}	ND(0.34)	0.0022	/	ND(6×10^{-6})	ND(6×10^{-6})
T-2	2018/9/3	0.0037	0.034	10 ^{*1}	/	0.0026	ND(2.4)	/	/
	2018/10/2	0.0048	0.053	9.3 ^{*1}	/	0.0030	ND(1.9)	/	/

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	2018/9/3	ND(0.0011)	0.0080	ND(17)	ND(0.34)	0.00097	ND(1.9)			S
	2018/9/20	ND(0.0014)	0.0038	ND(19)	ND(0.35)					S
	2018/10/2	0.0023	0.025							S
T-6	2018/9/4	0.0018	0.019	ND(17)	ND(0.30)					S
	2018/9/18	0.0014	0.018	ND(16)	ND(0.31)					
	2018/10/2	0.0046	0.050	ND(18)	0.49					S
M-103	2018/2/1	0.0014	0.012			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	2018/9/3	ND(0.0013)	0.0058	ND(17)	0.34	0.0010	ND(1.9)			S
	2018/9/20	ND(0.0012)	0.0048	ND(19)	ND(0.35)					S
	2018/10/2	0.0015	0.013							S
M-104	2018/2/1	0.0010	0.011			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	2018/9/3	ND(0.0012)	0.011	ND(17)	ND(0.34)	0.0017	ND(2.5)			S
	2018/9/18	ND(0.0013)	0.0053	ND(16)	0.4					S
	2018/10/3	0.0024	0.022							S
T-3	2018/9/4	0.0030	0.032	ND(16)	ND(0.28)					S
	2018/9/18	0.0019	0.028	ND(16)	ND(0.32)					
	2018/10/2	0.0042	0.047	ND(15)	ND(0.29)					S

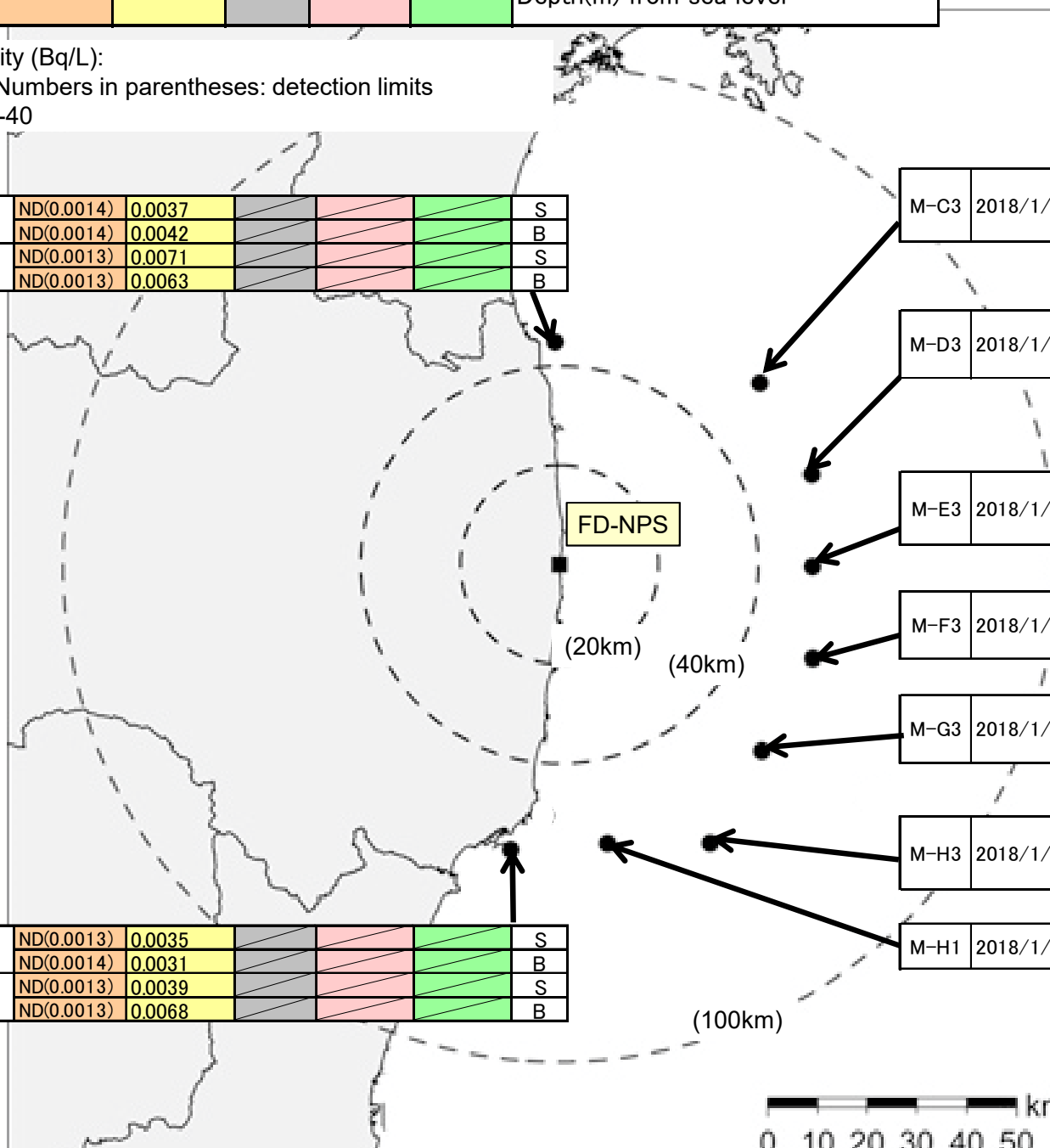
Most recent radioactivity data of sea area between 40-100km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross 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-22	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	S/B
T-22	2018/7/20	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	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
M-C3	2018/1/19	ND(0.00013)	0.0019				1m
		0.00013	0.0019				50m
		ND(0.000085)	0.0019				120m

M-D3	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
M-D3	2018/1/17	ND(0.00013)	0.0018				1m
		ND(0.000089)	0.0018				100m
		0.000071	0.0016				211m

M-E3	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
M-E3	2018/1/17	ND(0.00011)	0.0018				1m
		ND(0.000083)	0.0019				100m
		0.000092	0.0019				218m

M-F3	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
M-F3	2018/1/15	ND(0.00012)	0.0020				1m
		0.00011	0.0020				100m
		0.000082	0.0017				218m

M-G3	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
M-G3	2018/1/11	0.00016	0.0020				1m
		0.000094	0.0019				100m
		0.00011	0.0018				196m

M-H3	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
M-H3	2018/1/11	ND(0.000093)	0.0020				1m
		ND(0.000086)	0.0019				100m
		0.000092	0.0018				218m

T-18	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	S/B
T-18	2018/7/17	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

M-H1	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
M-H1	2018/1/10	0.00018	0.0022				1m
		0.00011	0.0020				119m

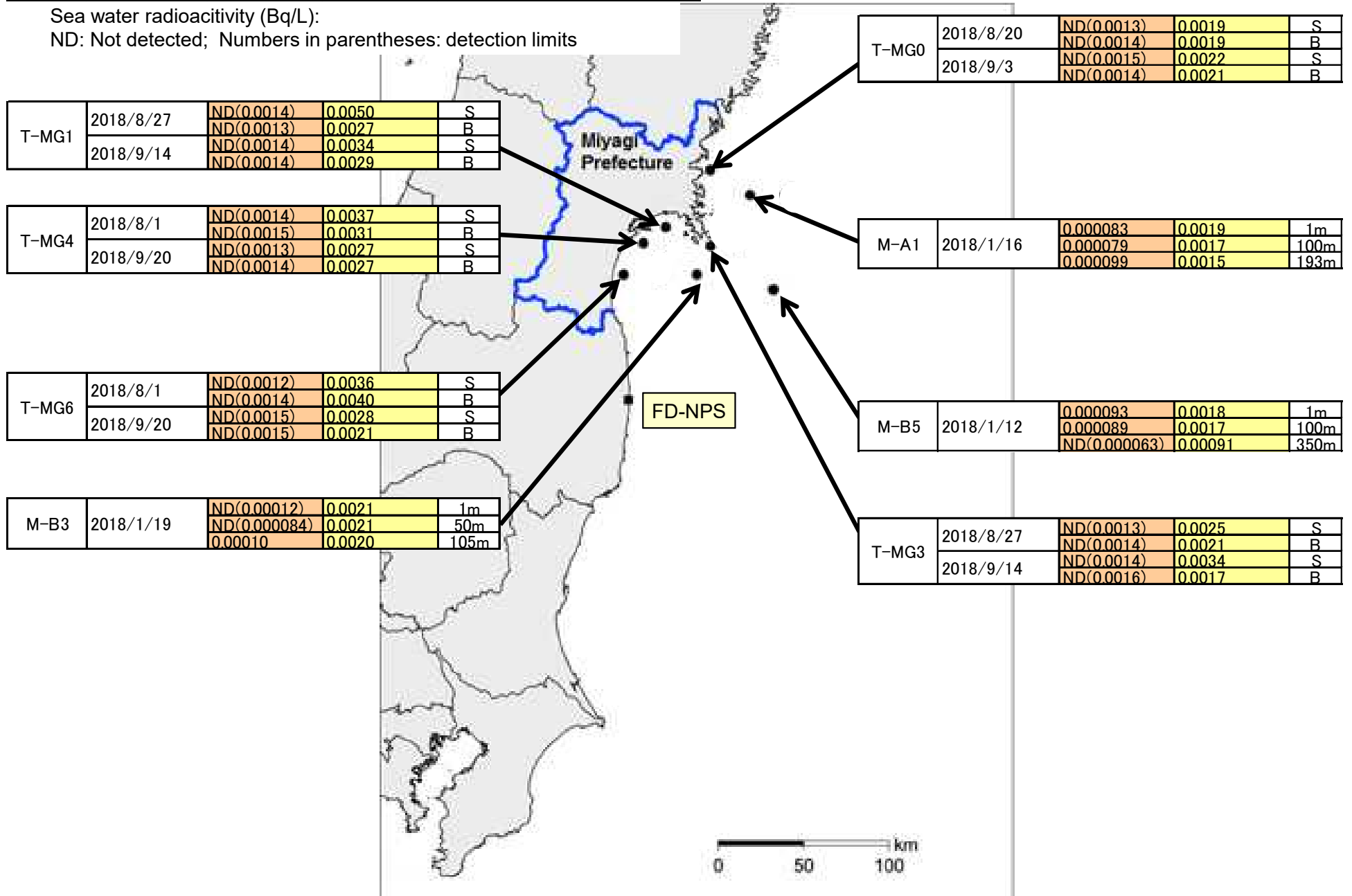


Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

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	2018/9/10	ND(0.56)	ND(0.80)	S
		ND(0.92)	ND(1.1)	B
	2018/10/10	ND(0.92)	ND(1.1)	S
		ND(1.0)	ND(1.1)	B

T-B	2018/9/4	ND(1.1)	ND(1.2)	S
		ND(1.0)	ND(1.1)	B
	2018/10/11	ND(0.87)	ND(1.1)	S
		ND(0.94)	ND(1.2)	B

T-C	2018/9/13	ND(0.87)	ND(1.1)	S
		ND(0.88)	ND(1.2)	B
	2018/10/11	ND(1.1)	ND(1.1)	S
		ND(0.74)	ND(1.1)	B

T-D	2018/9/14	ND(0.92)	ND(1.1)	S
		ND(0.84)	ND(1.1)	B
	2018/10/10	ND(1.2)	ND(1.0)	S
		ND(0.83)	ND(1.2)	B

M-M1	2018/1/7	0.000093	0.0018	1m
		0.000068	0.0020	103m

M-I3	2018/1/10	0.00016	0.0022	1m
		0.00011	0.0021	100m
		ND(0.000088)	0.0018	174m

M-J3	2018/1/8	0.00014	0.0020	1m
		0.000094	0.0020	100m
		ND(0.000051)	0.00068	560m

M-IB4	2018/1/8	0.000093	0.0019	1m
		0.00012	0.0021	111m

T-E	2018/9/13	ND(0.93)	ND(1.0)	S
		ND(0.80)	ND(1.1)	B
	2018/10/9	ND(1.1)	ND(1.1)	S
		ND(0.74)	ND(1.1)	B

M-L1	2018/1/7	0.000084	0.0020	1m
		ND(0.000094)	0.0020	31m

