

Sea Area Monitoring

March 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	2018/12/3	0.011	0.13	/	/	0.0035	ND(2.2)	/	/
	2019/1/7	0.019	0.22	/	/	0.0044	ND(2.0)	/	/
M-101	2018/10/11	0.0014	0.016	/	0.10	0.00084	/	/	/
	2018/11/15	0.0033	0.034	/	/	/	/	/	/
F-P03	2018/11/14	ND(0.003)	0.016	0.02 * ²	ND(0.33)	0.0008	/	ND(4×10^{-6})	9×10^{-6}
	2018/12/11	0.004	0.032	0.02 * ²	ND(0.35)	0.0011	/	ND(7×10^{-6})	ND(7×10^{-6})
F-P01	2018/11/14	0.004	0.029	0.02 * ²	ND(0.34)	0.0020	/	ND(7×10^{-6})	1×10^{-5}
	2018/12/11	ND(0.002)	0.013	0.02 * ²	ND(0.35)	0.0011	/	ND(6×10^{-6})	1×10^{-5}
T-2	2018/12/3	0.0016	0.017	/	/	0.0023	ND(2.2)	/	/
	2019/1/7	0.0017	0.021	/	/	0.0021	ND(2.1)	/	/

Fukushima
Daiichi-NPS

0 0.5 1km

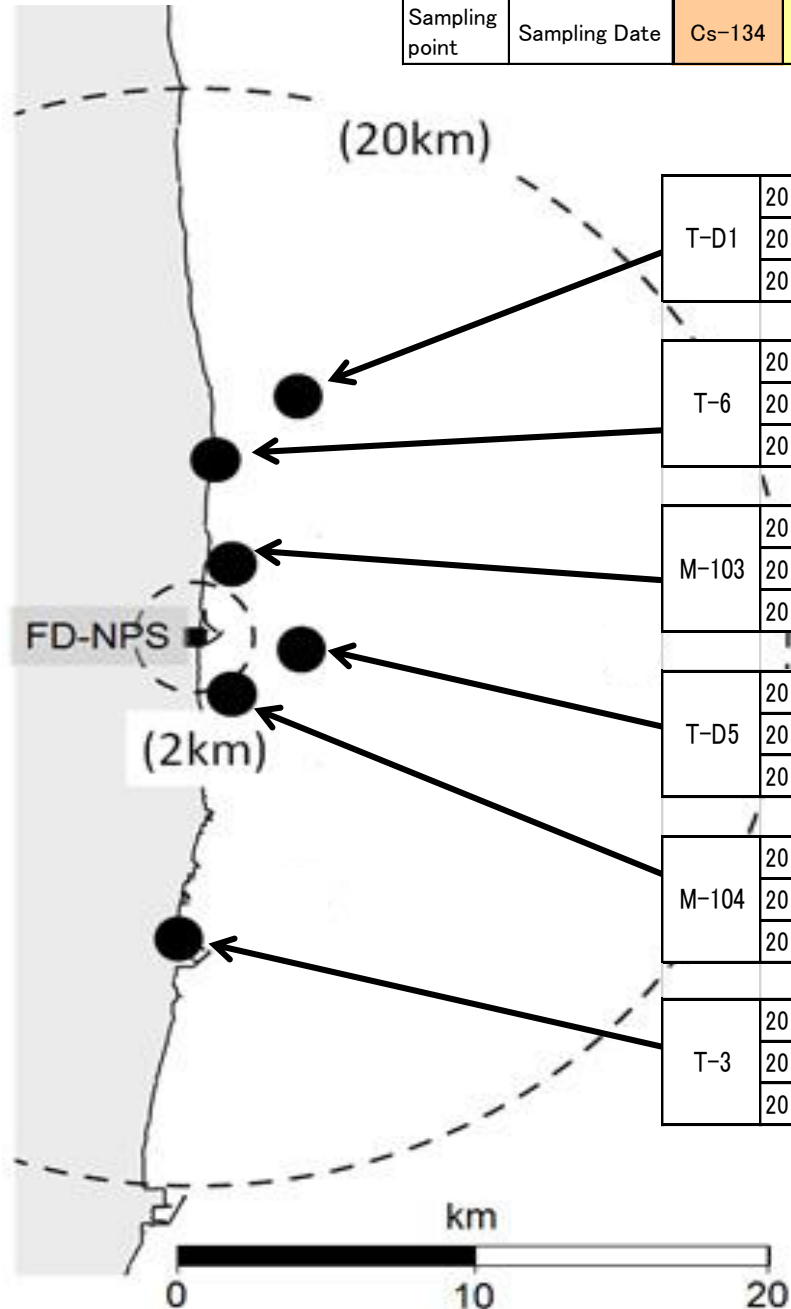
Most recent radioactivity data of sea area between 2-20km from the NPS

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

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross β : including K-40



T-D1	2018/12/18	ND(0.0011)	0.0044	ND(16)	ND(0.29)	/	/	/	/	/
	2019/1/4	ND(0.0012)	0.0061	ND(14)	0.39	0.0016	ND(1.9)	/	/	/
	2019/1/17	ND(0.0011)	0.0065	ND(16)	ND(0.34)	/	/	/	/	/
T-6	2018/12/18	0.0034	0.029	ND(19)	ND(0.35)	/	/	/	/	/
	2019/1/4	ND(0.0012)	0.015	ND(18)	ND(0.32)	/	/	/	/	/
	2019/1/15	ND(0.0012)	0.012	ND(16)	ND(0.29)	/	/	/	/	/
M-103	2018/9/14	0.0026	0.032	/	0.14	0.0022	/	/	/	/
	2018/10/11	0.0010	0.011	/	0.077	0.00083	/	/	/	/
	2018/11/15	0.0012	0.013	/	/	/	/	/	/	/
T-D5	2018/12/18	ND(0.0014)	0.0057	ND(16)	ND(0.29)	/	/	/	/	/
	2019/1/4	ND(0.0014)	0.0030	ND(14)	ND(0.29)	0.0014	ND(1.9)	/	/	/
	2019/1/17	ND(0.0011)	0.0057	ND(18)	ND(0.34)	/	/	/	/	/
M-104	2018/9/13	0.0013	0.018	/	0.13	0.0010	/	/	/	/
	2018/10/12	0.00077	0.0098	/	0.081	0.00072	/	/	/	/
	2018/11/16	0.00059	0.0078	/	/	/	/	/	/	/
T-3	2018/12/18	0.0016	0.019	ND(16)	ND(0.30)	/	/	/	/	/
	2019/1/4	0.0026	0.023	ND(15)	ND(0.34)	/	/	/	/	/
	2019/1/15	0.0024	0.030	ND(17)	ND(0.32)	/	/	/	/	/

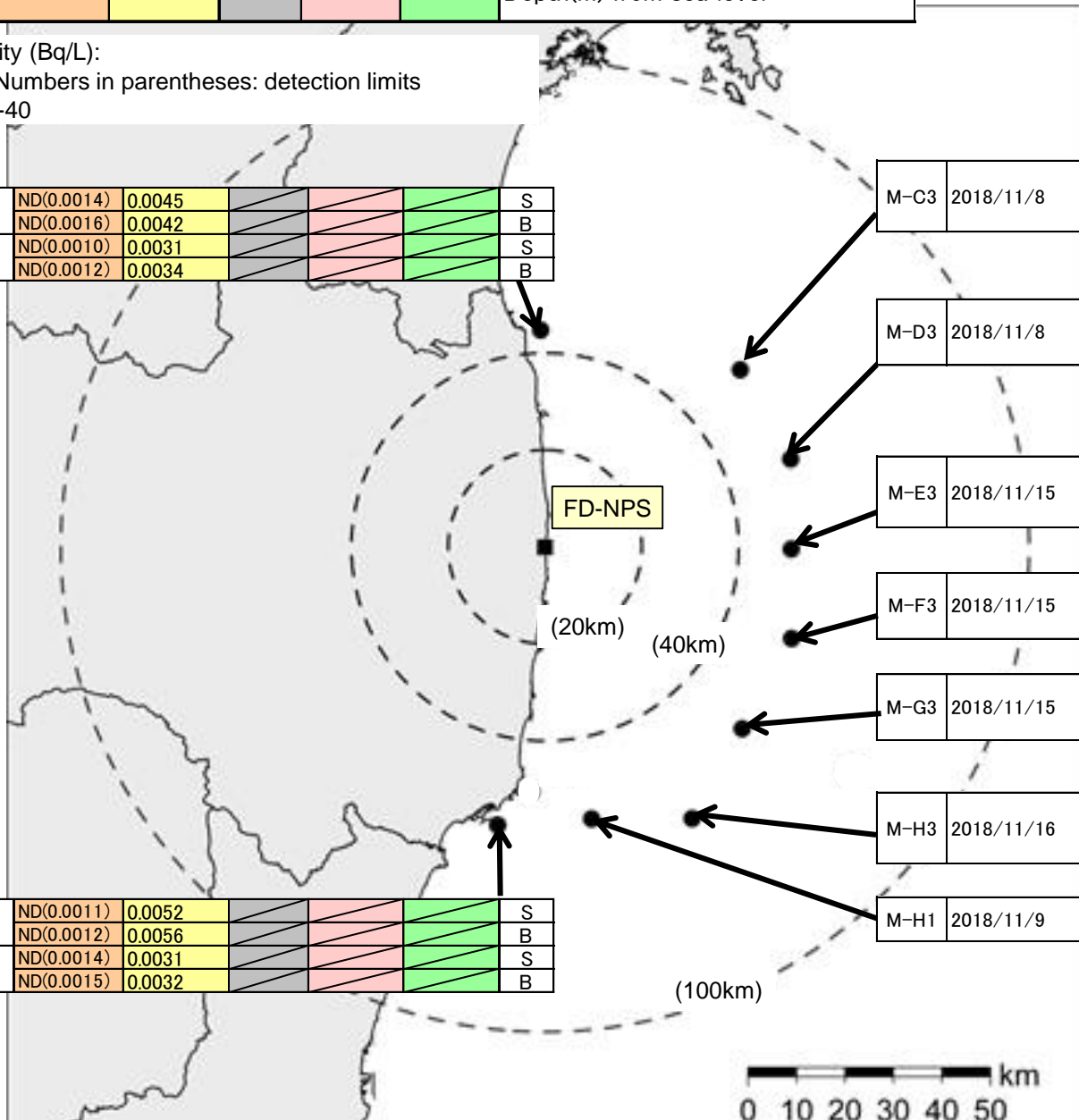
Most recent radioactivity data of sea area between 40-100km from the NPS

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	2018/12/21	ND(0.0014)	0.0045				S
		ND(0.0016)	0.0042				B
	2019/1/25	ND(0.0010)	0.0031				S
		ND(0.0012)	0.0034				B

M-C3	2018/11/8	0.000074	0.0018		0.057		1m
		ND(0.000073)	0.0015				50m
		ND(0.000079)	0.0018				130m

M-D3	2018/11/8	ND(0.000064)	0.0015		0.057		1m
		ND(0.000060)	0.0017				100m
		0.000074	0.0017				210m

M-E3	2018/11/15	ND(0.000065)	0.0017		0.067		1m
		ND(0.000074)	0.0018				100m
		0.000066	0.0017				225m

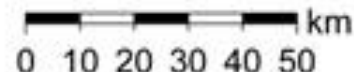
M-F3	2018/11/15	0.000065	0.0017		0.053		1m
		0.000066	0.0019				100m
		0.000067	0.0016				228m

M-G3	2018/11/15	ND(0.000074)	0.0016		0.058		1m
		ND(0.000066)	0.0020				100m
		0.000076	0.0019				202m

M-H3	2018/11/16	ND(0.000062)	0.0016		0.054		1m
		ND(0.000064)	0.0020				100m
		0.000072	0.0018				218m

T-18	2018/12/3	ND(0.0011)	0.0052				S
		ND(0.0012)	0.0056				B
	2019/1/25	ND(0.0014)	0.0031				S
		ND(0.0015)	0.0032				B

M-H1	2018/11/9	ND(0.000071)	0.0017				1m
		0.000082	0.0023				131m

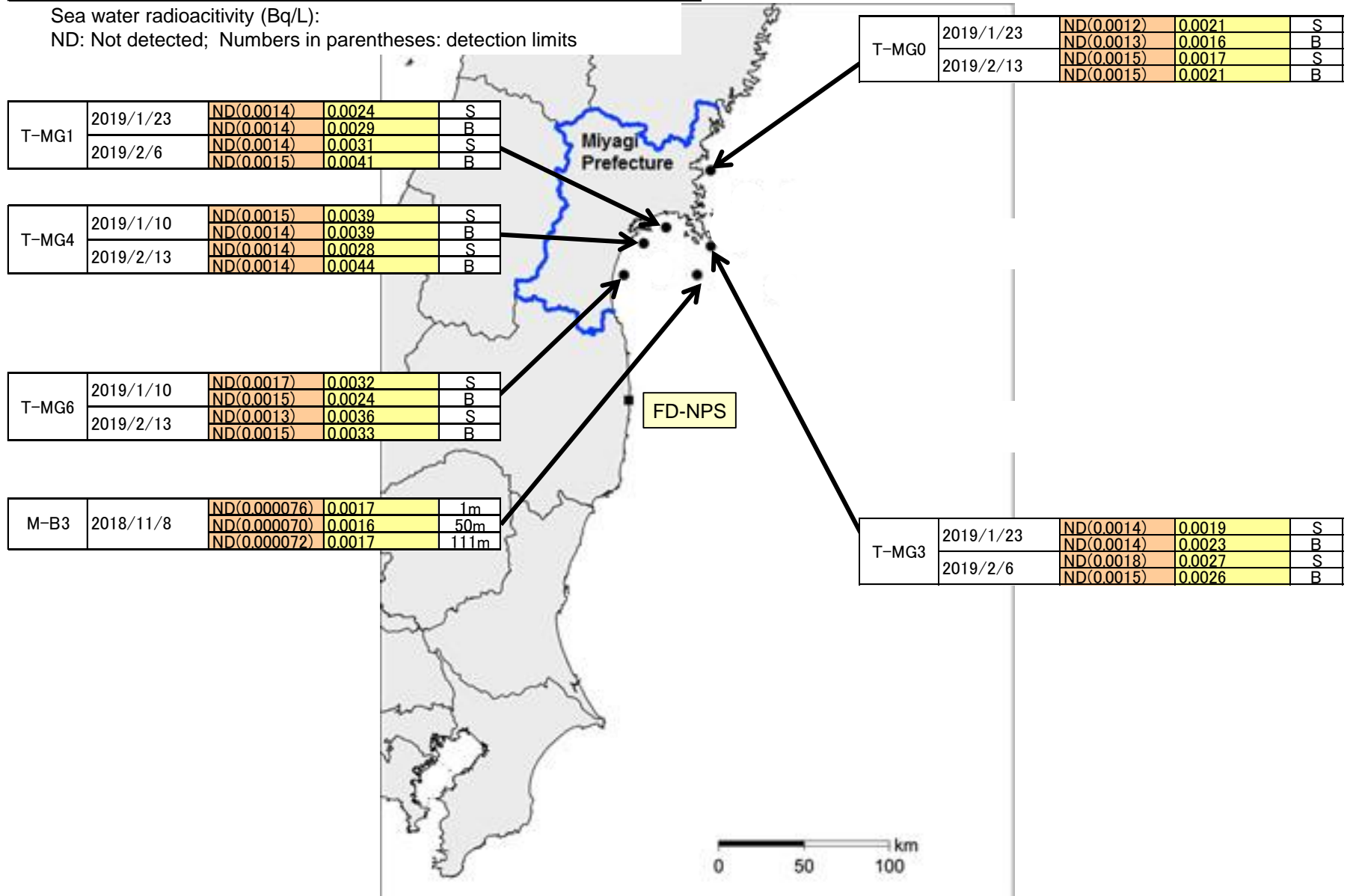


Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

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	2019/1/11	ND(0.67)	ND(0.84)	S
		ND(0.59)	ND(0.84)	B
	2019/2/14	ND(0.92)	ND(1.1)	S
		ND(0.87)	ND(1.2)	B

T-B	2019/1/17	ND(1.2)	ND(1.0)	S
		ND(0.91)	ND(1.1)	B
	2019/2/13	ND(0.87)	ND(1.2)	S
		ND(0.70)	ND(1.2)	B

T-C	2019/1/16	ND(1.1)	ND(1.2)	S
		ND(0.80)	ND(1.2)	B
	2019/2/14	ND(0.87)	ND(1.1)	S
		ND(0.87)	ND(1.2)	B

T-D	2019/1/18	ND(0.91)	ND(1.1)	S
		ND(0.98)	ND(1.1)	B
	2019/2/12	ND(1.2)	ND(1.1)	S
		ND(0.84)	ND(1.2)	B

M-M1	2019/1/19	ND(0.000081)	0.0016	1m
		0.000091	0.0019	104m

M-I3	2018/11/16	ND(0.000072)	0.0016	1m
		0.000088	0.0018	100m
		0.000066	0.0020	176m

M-J3	2018/11/16	ND(0.000073)	0.0019	1m
		0.000098	0.0019	100m
		ND(0.000041)	0.00054	567m

M-IB4	2018/11/18	ND(0.000061)	0.0016	1m
		ND(0.000076)	0.0022	110m

T-E	2019/1/17	ND(1.0)	ND(1.0)	S
		ND(0.75)	ND(1.1)	B
	2019/2/13	ND(0.87)	ND(1.1)	S
		ND(0.87)	ND(1.1)	B

M-L1	2018/11/19	ND(0.000076)	0.0014	1m
		ND(0.000082)	0.0018	36m

