

# Sea Area Monitoring

Jun 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 $\beta$	H-3	Sr-90	Gross $\alpha$	Pu-238	Pu-239+Pu-240
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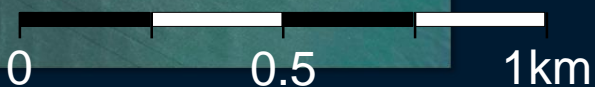
Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

\* 1 : Gross  $\beta$  : including K-40      \* 2 : Gross  $\beta$  : excluding K-40

T-1	2019/3/4	0.0093	0.11	13 <sup>*1</sup>	ND(0.84)	0.0037	ND(2.3)		
	2019/4/1	0.0021	0.031	9.2 <sup>*1</sup>	ND(0.86)	0.0014	ND(2.2)		
	2019/5/6	0.010	0.12	11 <sup>*1</sup>	1.5	0.0053	ND(2.2)		
M-101	2018/11/15	0.0033	0.034		0.12	0.0016			
	2018/12/6	0.0013	0.016		0.13	0.00097			
	2019/1/18	0.0012	0.013		0.053	0.0014			
F-P03	2018/12/11	0.004	0.032	0.02 <sup>*2</sup>	ND(0.35)	0.0011		ND( $7 \times 10^{-6}$ )	ND( $7 \times 10^{-6}$ )
	2019/1/17	ND(0.003)	0.020	0.03 <sup>*2</sup>	ND(0.35)	0.0008		ND( $3 \times 10^{-6}$ )	ND( $5 \times 10^{-6}$ )
	2019/2/13	ND(0.003)	0.031	0.02 <sup>*2</sup>	ND(0.34)	0.0012		ND( $4 \times 10^{-6}$ )	$7 \times 10^{-6}$
F-P01	2018/12/11	ND(0.002)	0.013	0.02 <sup>*2</sup>	ND(0.35)	0.0011		ND( $6 \times 10^{-6}$ )	$1 \times 10^{-5}$
	2019/1/17	ND(0.001)	0.013	0.02 <sup>*2</sup>	ND(0.35)	0.0006		ND( $3 \times 10^{-6}$ )	$6 \times 10^{-6}$
	2019/2/13	0.002	0.016	0.03 <sup>*2</sup>	0.43	0.0010		ND( $3 \times 10^{-6}$ )	ND( $3 \times 10^{-6}$ )
T-2	2019/3/4	0.0019	0.025	14 <sup>*1</sup>	ND(0.84)	0.0011	ND(2.2)		
	2019/4/1	0.0062	0.071	12 <sup>*1</sup>	1.5	0.0017	ND(2.2)		
	2019/5/6	0.0019	0.025	11 <sup>*1</sup>	ND(0.92)	0.0014	ND(2.3)		

Fukushima  
Daiichi-NPS



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

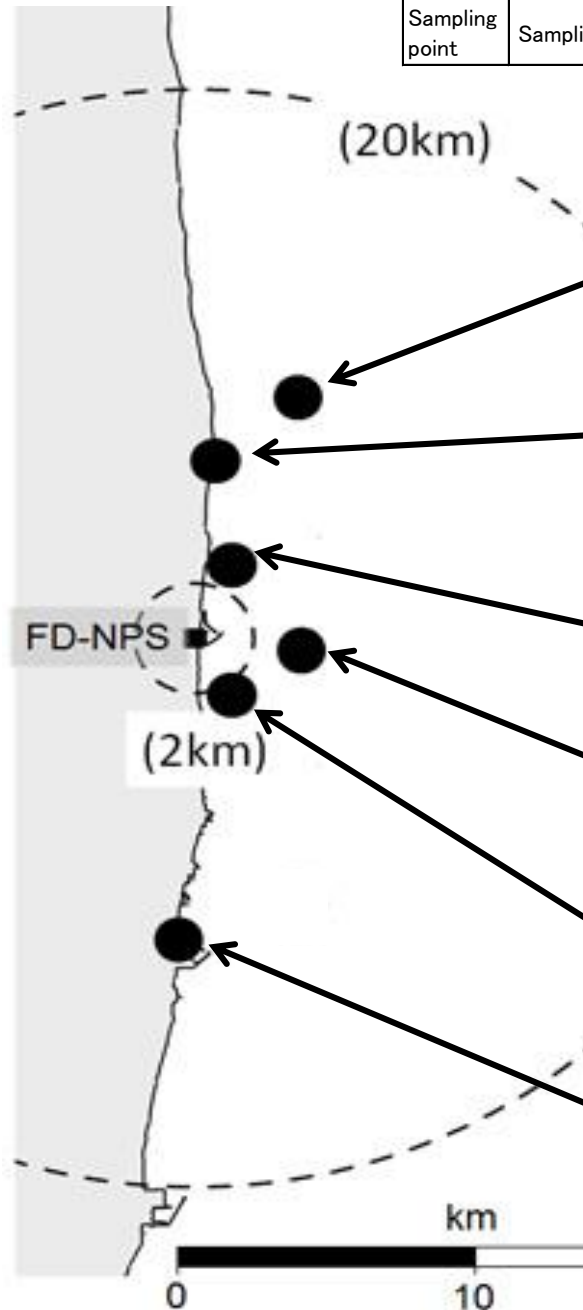
Sampling point	Sampling Date	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Gross $\alpha$	Pu-238	Pu-239+240	S	S:2m below sea level
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Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross  $\beta$  : including K-40

Depth(m) from sea level



T-D1	2019/3/9	ND(0.0013)	0.0053	ND(16)	0.35	0.0013	ND(2.5)			S
	2019/4/1	ND(0.0012)	0.0050	ND(15)	ND(0.34)	0.00093	ND(2.1)			S
	2019/4/17	ND(0.0014)	0.0043	ND(14)	ND(0.35)					S
T-6	2019/4/2	0.0018	0.019	ND(14)	0.30					S
	2019/4/16	0.0014	0.017	ND(19)	0.37					S
	2019/5/7	ND(0.0014)	0.010	ND(17)	0.39					S
M-103	2018/12/6	0.0013	0.016		0.10	0.0011				0.5m
	2019/1/18	0.00063	0.0078		0.051	0.00095				0.5m
	2019/2/14	0.00057	0.0070		0.057					0.5m
T-D5	2019/3/6	ND(0.0011)	0.0050	ND(15)	0.48	0.0015	ND(1.9)			S
	2019/4/1	ND(0.0013)	0.0043	ND(15)	0.42	0.0016	ND(2.1)			S
	2019/4/17	ND(0.0011)	0.0073	ND(14)	0.37					S
M-104	2018/12/7	0.0022	0.025		0.13	0.0011				0.5m
	2019/1/17	0.00098	0.012		0.060	0.00098				0.5m
	2019/2/15	0.00056	0.0088		0.066					0.5m
T-3	2019/4/2	0.0017	0.029	ND(14)	ND(0.33)					S
	2019/4/16	0.0014	0.021	ND(12)	0.37					S
	2019/5/7	0.0014	0.016	ND(15)	ND(0.33)					S

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

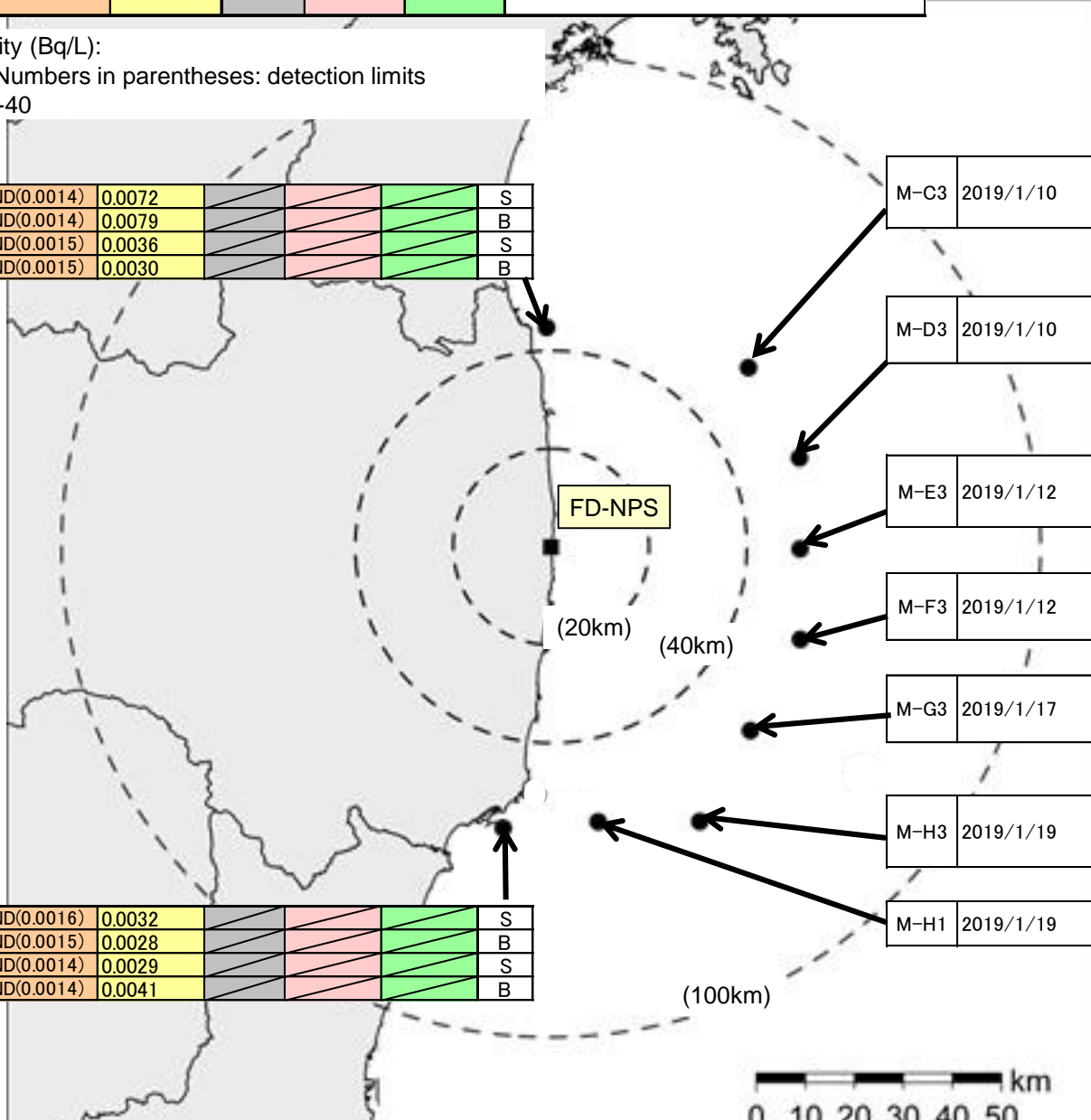
Sampling point	Sampling Date	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	S/B
							S:2m below sea level B:2-3m above sea bottom
							Depth(m) from sea level

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross  $\beta$ : excluding K-40

T-22	2019/3/20	ND(0.0014)	0.0072				S
		ND(0.0014)	0.0079				B
	2019/4/4	ND(0.0015)	0.0036				S
		ND(0.0015)	0.0030				B



M-C3	2019/1/10	ND(0.000088)	0.0019	0.030	0.068	0.0011	1m
		0.000069	0.0019				50m
		0.000080	0.0018				128m

M-D3	2019/1/10	0.00012	0.0020	0.032	0.057	0.00089	1m
		ND(0.000070)	0.0019				100m
		ND(0.000079)	0.0018				216m

M-E3	2019/1/12	0.000094	0.0019	0.033	0.058	0.00073	1m
		ND(0.000078)	0.0018				100m
		0.00010	0.0017				218m

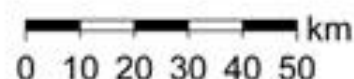
M-F3	2019/1/12	ND(0.000080)	0.0018	0.033	0.049	0.00088	1m
		0.000087	0.0019				100m
		ND(0.000063)	0.0018				222m

M-G3	2019/1/17	ND(0.000059)	0.0019	0.034	0.059	0.0012	1m
		ND(0.000078)	0.0019				100m
		ND(0.000073)	0.0018				202m

M-H3	2019/1/19	ND(0.000068)	0.0018	0.031	0.061	0.0013	1m
		ND(0.000074)	0.0019				100m
		ND(0.000082)	0.0019				219m

M-H1	2019/1/19	ND(0.000062)	0.0019				1m
		0.000084	0.0020				124m

T-18	2019/3/15	ND(0.0016)	0.0032				S
		ND(0.0015)	0.0028				B
	2019/4/22	ND(0.0014)	0.0029				S
		ND(0.0014)	0.0041				B



# 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

T-MG1	2019/4/10	ND(0.0013)	0.0031	S
		ND(0.0013)	0.0031	B
	2019/5/9	ND(0.0014)	0.0031	S
		ND(0.0014)	0.0027	B

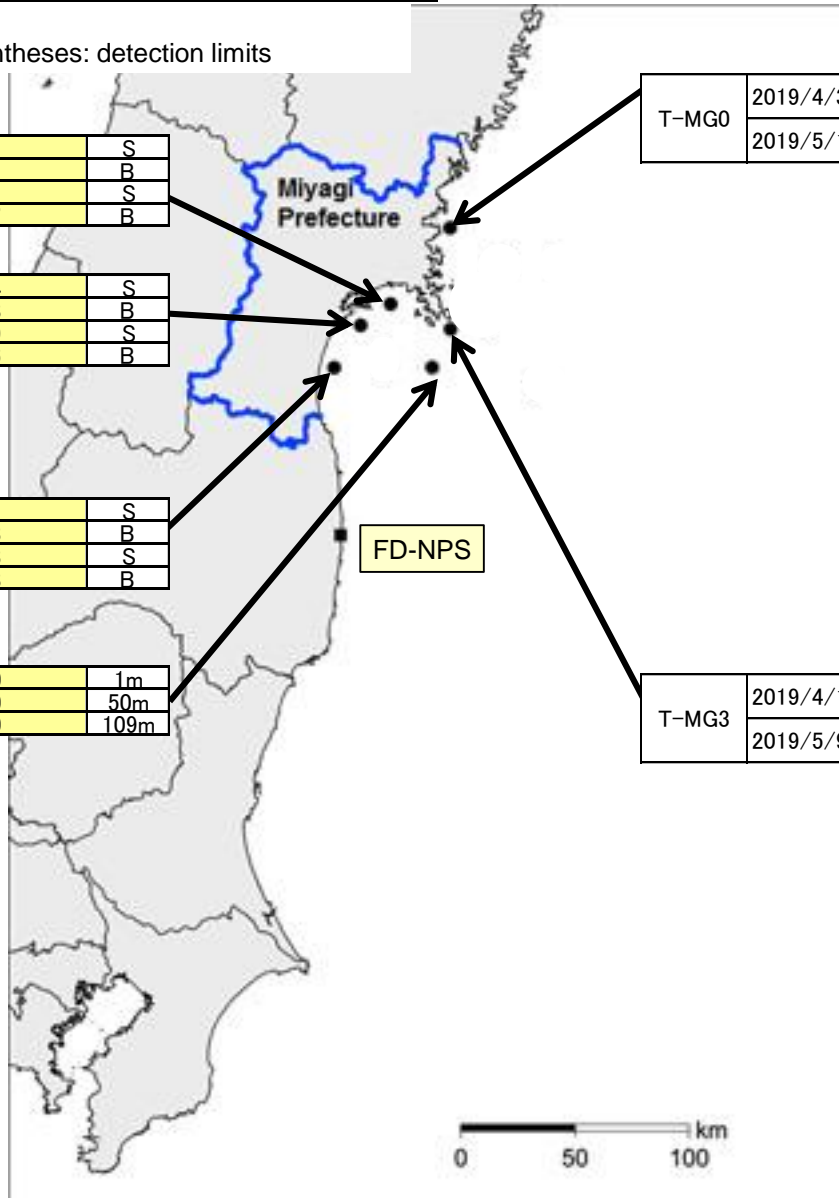
T-MG4	2019/4/4	ND(0.0013)	0.0024	S
		ND(0.0013)	0.0028	B
	2019/5/10	ND(0.0015)	0.0029	S
		ND(0.0014)	0.0026	B

T-MG6	2019/4/4	ND(0.0013)	0.0021	S
		ND(0.0013)	0.0033	B
	2019/5/10	ND(0.0013)	0.0033	S
		ND(0.0013)	0.0028	B

M-B3	2019/1/16	0.000086	0.0020	1m
		0.000078	0.0020	50m
		0.000088	0.0020	109m

T-MG0	2019/4/3	ND(0.0014)	0.0010	S
		ND(0.0014)	0.0015	B
	2019/5/14	ND(0.0014)	0.0019	S
		ND(0.0014)	0.0013	B

T-MG3	2019/4/10	ND(0.0012)	0.0013	S
		ND(0.0014)	0.0016	B
	2019/5/9	ND(0.0012)	0.0015	S
		ND(0.0015)	0.0011	B



# 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

