

# Sea Area Monitoring

February 25, 2021

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	2020/11/2	0.013	0.25	11 <sup>*1</sup>	2.8	0.010	ND(1.8)		
	2020/12/7	0.011	0.24	9.3 <sup>*1</sup>	1.2	0.016	ND(2.0)		
	2021/1/4	0.0024	0.054						
M-101	2020/10/9	0.00050	0.011		0.16	0.00093			
	2020/11/12	0.00038	0.0097		0.11	0.00086			
	2020/12/4	0.00055	0.0096						
F-P03	2020/10/20	ND(0.003)	0.011	0.02 <sup>*2</sup>	ND(0.33)	0.0009		ND( $9 \times 10^{-6}$ )	ND( $9 \times 10^{-6}$ )
	2020/11/12	ND(0.003)	0.017	0.03 <sup>*2</sup>	ND(0.34)	0.0008		ND( $9 \times 10^{-6}$ )	ND( $9 \times 10^{-6}$ )
	2020/12/4	ND(0.003)	0.032	0.03 <sup>*2</sup>	ND(0.33)	0.0009		ND( $9 \times 10^{-6}$ )	ND( $8 \times 10^{-6}$ )
F-P01	2020/10/20	ND(0.002)	0.012	0.02 <sup>*2</sup>	ND(0.33)	0.0010		ND( $8 \times 10^{-6}$ )	0.000006
	2020/11/12	ND(0.003)	0.012	0.04 <sup>*2</sup>	ND(0.34)	0.0007		ND( $1.0 \times 10^{-5}$ )	ND( $8 \times 10^{-6}$ )
	2020/12/4	ND(0.003)	0.031	0.02 <sup>*2</sup>	ND(0.33)	0.0009		ND( $9 \times 10^{-6}$ )	ND( $1.0 \times 10^{-5}$ )
T-2	2020/11/2	0.0024	0.049	13 <sup>*1</sup>	1.1	0.0067	ND(1.8)		
	2020/12/7	0.0013	0.028	8.8 <sup>*1</sup>	0.91	0.0037	ND(2.2)		
	2021/1/4	0.0016	0.035						

Fukushima  
Daichi-NPS

0 0.5 1km

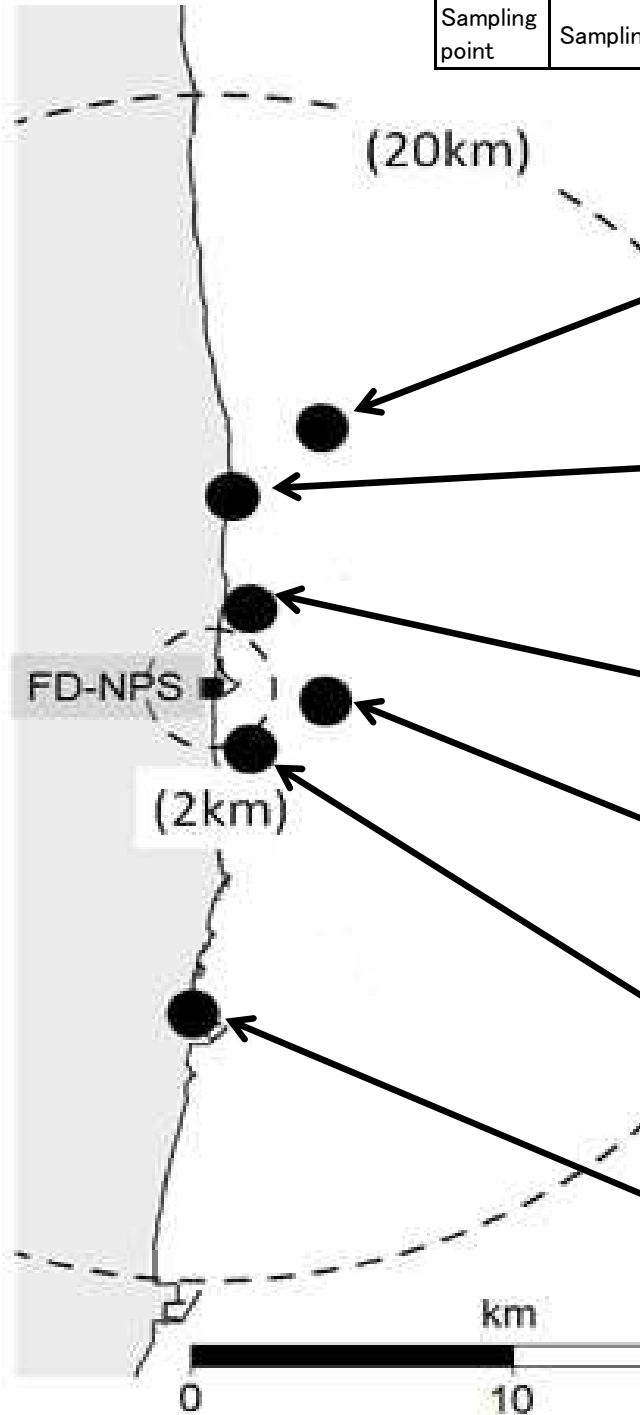
# Most recent radioactivity data of sea area between 2-20km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross $\beta$	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

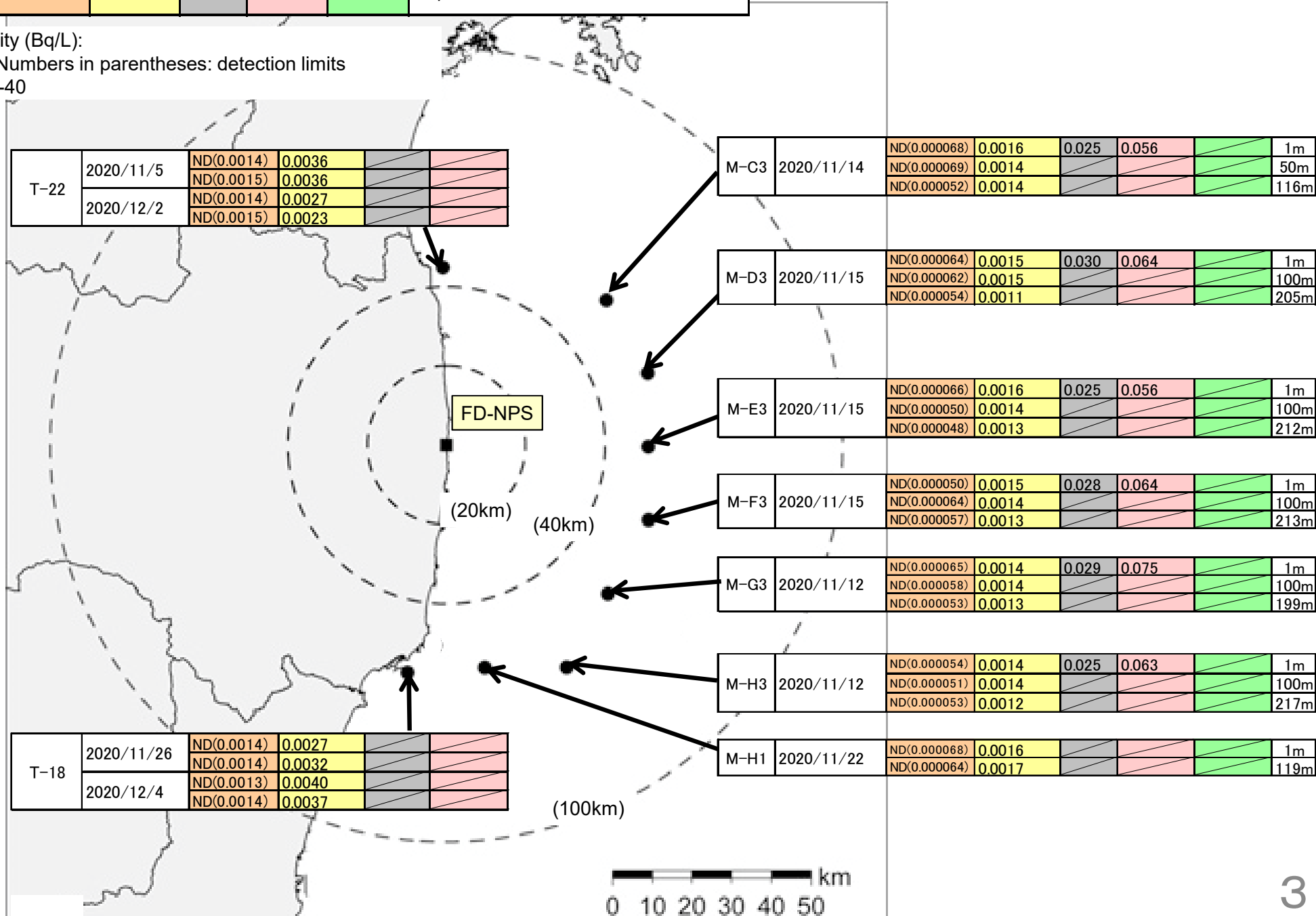


T-D1	2020/11/2	ND(0.0012)	0.0035	15	0.54	0.0013	ND(2.1)			S
	2020/12/1	ND(0.0014)	0.0046	ND(13)	0.36	0.0010	ND(1.8)			S
	2021/1/4	ND(0.0013)	0.0040							S
T-6	2020/11/4	ND(0.0011)	0.019	ND(13)	0.43					S
	2020/12/1	ND(0.0013)	0.010	ND(13)	0.39					S
	2021/1/5	ND(0.0011)	0.014	13	ND(0.30)					S
M-103	2020/10/9	0.00054	0.012		0.13	0.00093				0.5m
	2020/11/12	ND(0.00031)	0.0059		0.090	0.00068				0.5m
	2020/12/4	0.00035	0.0062							0.5m
T-D5	2020/11/2	ND(0.0013)	0.0034	13	0.59	0.0010	ND(2.1)			S
	2020/12/1	ND(0.0011)	0.0038	ND(13)	0.53	ND(0.00073)	ND(1.8)			S
	2021/1/4	ND(0.0013)	0.0037							S
M-104	2020/10/8	ND(0.00027)	0.0072		0.14	0.00071				0.5m
	2020/11/13	0.00033	0.0074		0.079	0.00079				0.5m
	2020/12/3	ND(0.00027)	0.0048							0.5m
T-3	2020/11/4	ND(0.0014)	0.017	ND(13)	0.33					S
	2020/12/1	ND(0.0014)	0.015	14	0.61					S
	2021/1/5	ND(0.0013)	0.013	ND(12)	ND(0.30)					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



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

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

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
Depth(m) from sea level				

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG1	2020/11/12	ND(0.0014)	0.0029	S
		ND(0.0013)	0.0021	B
	2020/12/22	ND(0.0014)	0.0029	S
		ND(0.0014)	0.0024	B

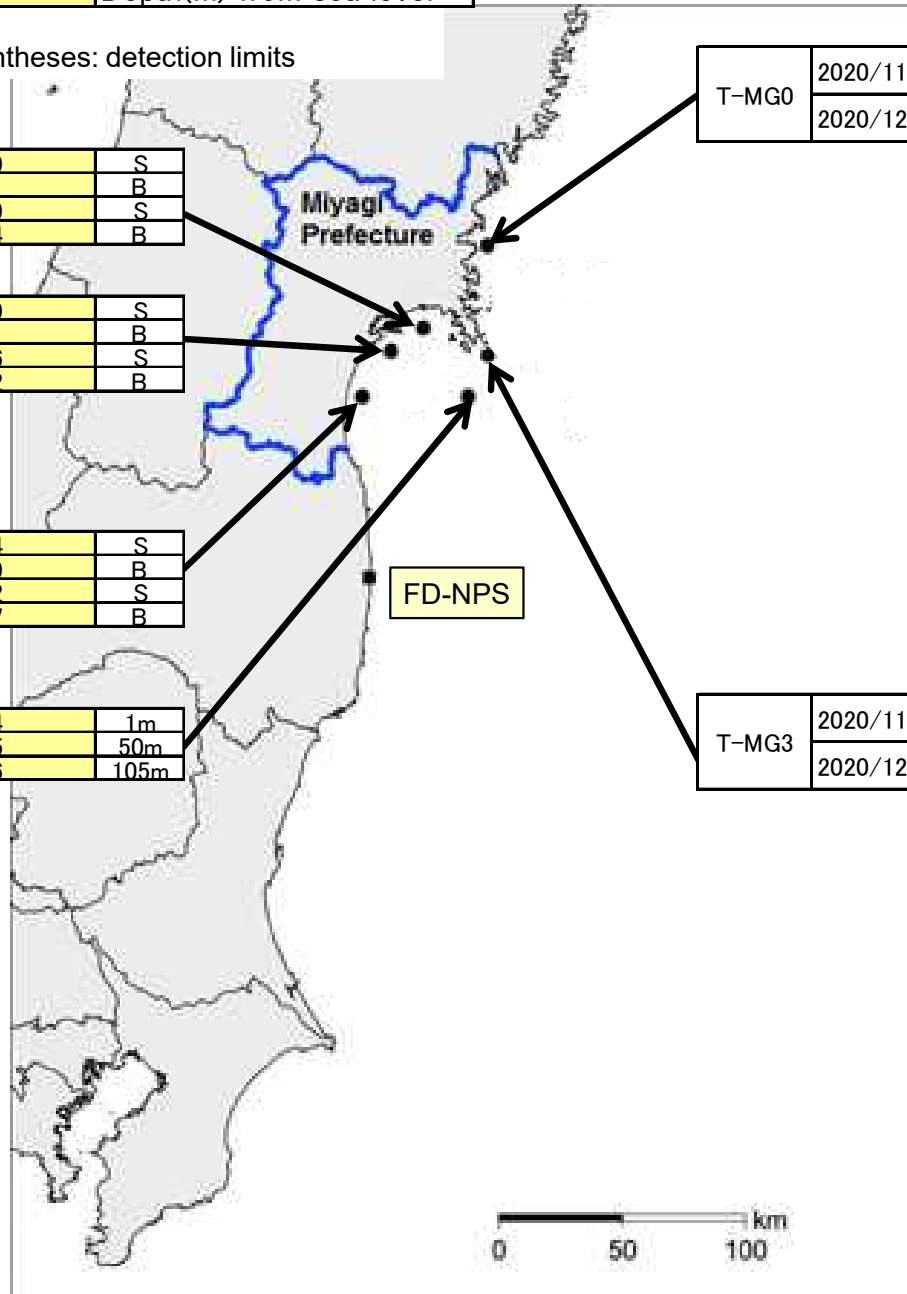
Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG4	2020/11/16	ND(0.0014)	0.0039	S
		ND(0.0014)	0.0031	B
	2020/12/9	ND(0.0014)	0.0026	S
		ND(0.0013)	0.0032	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG6	2020/11/16	ND(0.0012)	0.0024	S
		ND(0.0013)	0.0019	B
	2020/12/9	ND(0.0013)	0.0022	S
		ND(0.0013)	0.0057	B

Sampling point	Sampling Date	Cs-134	Cs-137	Depth(m)
M-B3	2020/8/13	ND(0.000060)	0.0014	1m
		ND(0.000062)	0.0015	50m
		ND(0.000054)	0.0016	105m

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG0	2020/11/6	ND(0.0013)	0.0019	S
		ND(0.0012)	0.0017	B
	2020/12/9	ND(0.0014)	0.0017	S
		ND(0.0014)	0.0012	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG3	2020/11/12	ND(0.0015)	0.0023	S
		ND(0.0013)	0.0016	B
	2020/12/22	ND(0.0013)	0.0020	S
		ND(0.0014)	0.0012	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
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Ibaraki Pref. and Chiba Pref.

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

T-A	2020/12/11	ND(1.1)	ND(1.2)	S
		ND(1.0)	ND(1.1)	B
	2021/1/22	ND(0.92)	ND(1.2)	S
		ND(0.73)	ND(1.1)	B

T-B	2020/12/10	ND(0.87)	ND(1.0)	S
		ND(0.83)	ND(1.1)	B
	2021/1/21	ND(0.97)	ND(1.0)	S
		ND(1.0)	ND(1.1)	B

T-C	2020/12/11	ND(0.87)	ND(1.1)	S
		ND(0.97)	ND(1.2)	B
	2021/1/20	ND(0.75)	ND(1.0)	S
		ND(0.73)	ND(1.1)	B

T-D	2020/12/10	ND(0.97)	ND(1.0)	S
		ND(0.69)	ND(1.0)	B
	2021/1/21	ND(0.87)	ND(1.2)	S
		ND(0.78)	ND(1.1)	B

M-M1	2020/11/11	ND(0.000064)	0.0015	1m
		ND(0.000073)	0.0019	101m

M-I3	2020/11/19	0.000082	0.0022	1m
		ND(0.000052)	0.0015	100m
		ND(0.000068)	0.0014	168m

M-J3	2020/11/19	ND(0.000051)	0.0015	1m
		ND(0.000061)	0.0014	100m
		ND(0.000038)	0.00057	552m

M-IB4	2020/11/21	ND(0.000074)	0.0015	1m
		ND(0.000054)	0.0016	106m

T-E	2020/12/9	ND(0.93)	ND(1.0)	S
		ND(1.0)	ND(1.1)	B
	2021/1/20	ND(0.93)	ND(0.98)	S
		ND(0.86)	ND(1.0)	B

M-L1	2020/11/11	ND(0.000068)	0.0016	1m
		ND(0.000072)	0.0016	34m

