

# Sea Area Monitoring

December 25, 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 $\beta$	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	2020/9/7	0.0046	0.0085	11 <sup>*1</sup>	ND(0.91)	0.0034	ND(2.0)		
	2020/10/5	0.0051	0.0095	12 <sup>*1</sup>	1.0	0.0057	ND(1.8)		
	2020/11/2	0.013	0.25	11 <sup>*1</sup>	2.8	0.010	ND(1.8)		
M-101	2020/8/6	0.00070	0.016		0.054	0.00077			
	2020/9/11	ND(0.00026)	0.0030		0.081	0.00078			
	2020/10/9	0.00050	0.011						
F-P03	2020/7/3	ND(0.003)	0.006	0.02 <sup>*2</sup>	ND(0.33)	0.0006		ND( $9 \times 10^{-6}$ )	ND( $9 \times 10^{-6}$ )
	2020/8/6	ND(0.003)	0.009	0.03 <sup>*2</sup>	ND(0.33)	0.0006		ND( $7 \times 10^{-6}$ )	ND( $6 \times 10^{-6}$ )
	2020/9/11	ND(0.003)	0.005	0.03 <sup>*2</sup>	ND(0.33)	0.0010		ND( $1.1 \times 10^{-5}$ )	ND( $9 \times 10^{-6}$ )
F-P01	2020/7/3	ND(0.003)	0.005	0.02 <sup>*2</sup>	ND(0.33)	0.0007		ND( $8 \times 10^{-6}$ )	ND( $8 \times 10^{-6}$ )
	2020/8/6	ND(0.002)	0.021	0.02 <sup>*2</sup>	ND(0.33)	0.0009		ND( $6 \times 10^{-6}$ )	ND( $7 \times 10^{-6}$ )
	2020/9/11	ND(0.003)	0.011	0.03 <sup>*2</sup>	ND(0.34)	0.0009		ND( $7 \times 10^{-6}$ )	0.000008
T-2	2020/9/7	0.0032	0.064	12 <sup>*1</sup>	ND(0.91)	0.023	ND(1.8)		
	2020/10/5	0.0083	0.170	15 <sup>*1</sup>	ND(0.85)	0.0096	ND(1.8)		
	2020/11/2	0.0024	0.049	13 <sup>*1</sup>	1.1	0.0067	ND(1.8)		

Fukushima  
Daichi-NPS

0 0.5 1km

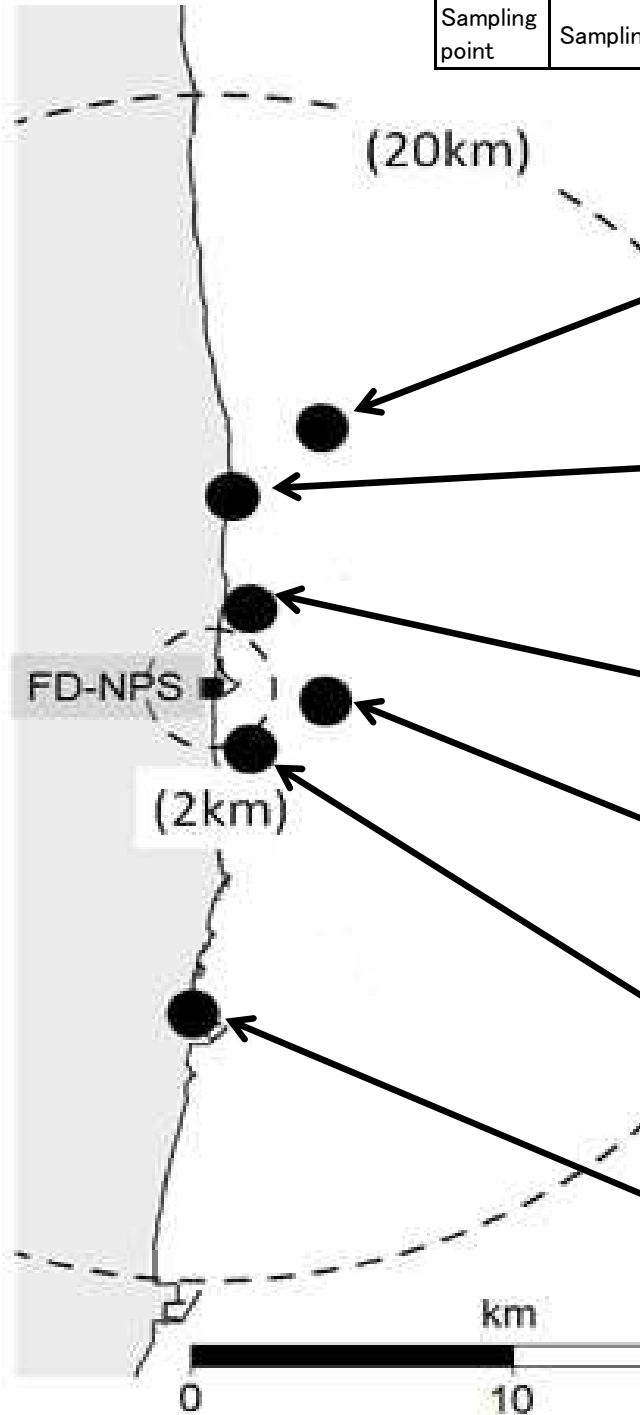
# Most recent radioactivity data of sea area between 2-20km from the NPS

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 Depth(m) from sea level
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Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross  $\beta$  : including K-40

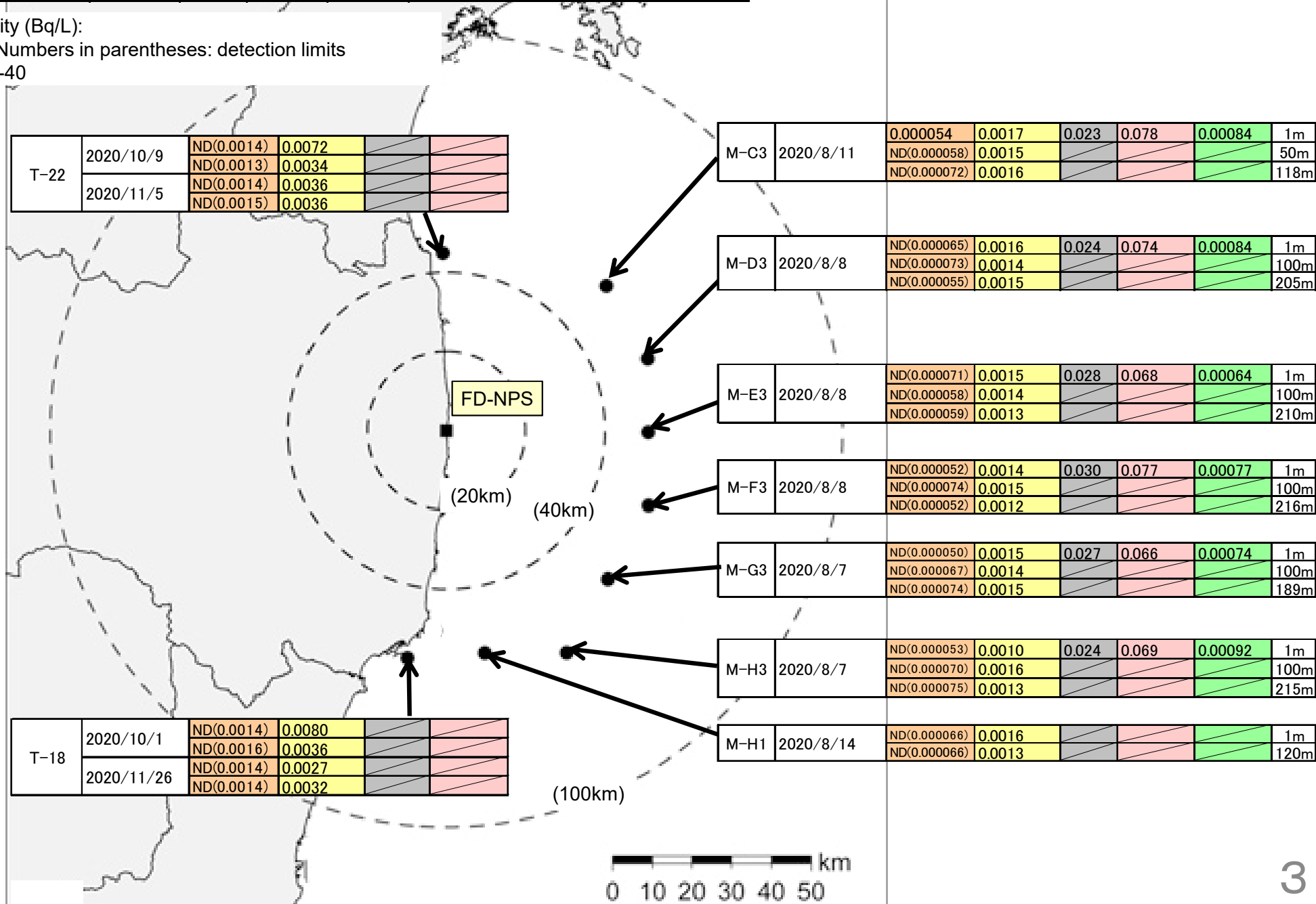


T-D1	2020/9/4	ND(0.0011)	0.0049	ND(13)	ND(0.32)	0.00093	ND(1.8)			S
	2020/10/5	ND(0.0013)	0.014	15	0.52	0.0015	ND(2.5)			S
	2020/11/2	ND(0.0012)	0.035							S
T-6	2020/9/1	0.0015	0.027	ND(12)	0.35					S
	2020/10/6	ND(0.0013)	0.025	ND(14)	ND(0.31)					S
	2020/11/4	ND(0.0011)	0.019	ND(13)	0.43					S
M-103	2020/8/6	0.00044	0.0091		0.089	0.00087				0.5m
	2020/9/11	ND(0.00026)	0.0091		0.12	0.00079				0.5m
	2020/10/9	0.00054	0.012							0.5m
T-D5	2020/9/4	ND(0.0013)	0.010	ND(13)	ND(0.33)	0.0014	ND(1.8)			S
	2020/10/5	ND(0.0013)	0.0086	ND(12)	0.34	0.0010	ND(2.5)			S
	2020/11/2	ND(0.0013)	0.0034							S
M-104	2020/8/7	0.00050	0.0097		ND(0.047)	0.00089				0.5m
	2020/9/10	ND(0.00026)	0.0047		0.10	0.00092				0.5m
	2020/10/8	ND(0.00027)	0.0072							0.5m
T-3	2020/9/1	0.0029	0.052	ND(12)	0.41					S
	2020/10/6	ND(0.0012)	0.023	ND(14)	0.51					S
	2020/11/4	ND(0.0014)	0.017	ND(13)	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



# 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
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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	2020/10/7	ND(0.0013)	0.0032	S
		ND(0.0014)	0.0025	B
	2020/11/12	ND(0.0014)	0.0029	S
		ND(0.0013)	0.0021	B

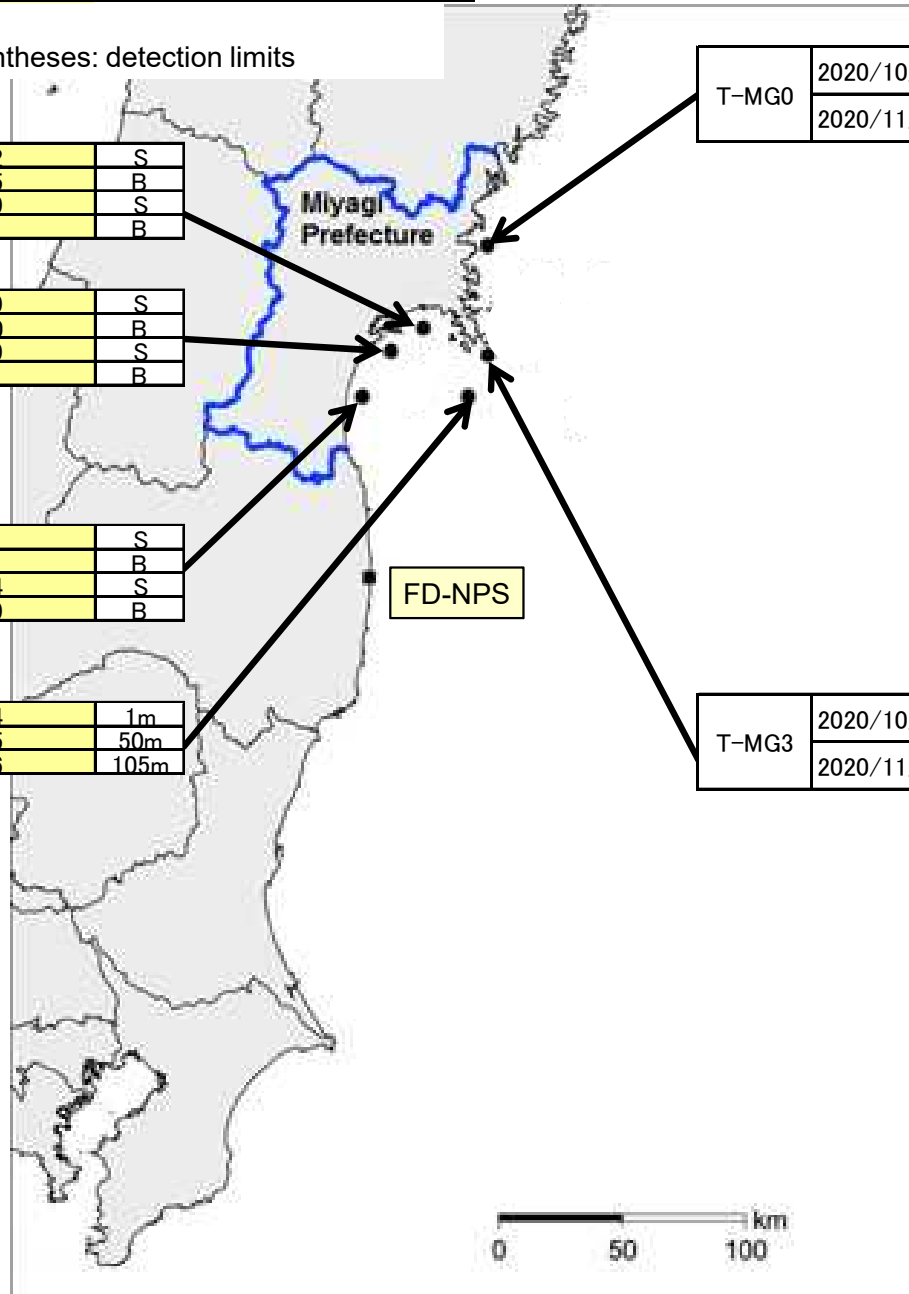
Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG4	2020/10/21	ND(0.0014)	0.0029	S
		ND(0.0013)	0.0030	B
	2020/11/16	ND(0.0014)	0.0039	S
		ND(0.0014)	0.0031	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG6	2020/10/21	ND(0.0014)	0.0031	S
		ND(0.0014)	0.0021	B
	2020/11/16	ND(0.0012)	0.0024	S
		ND(0.0013)	0.0019	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	2020/10/7	ND(0.0015)	0.0017	S
		ND(0.0014)	0.0012	B
	2020/11/6	ND(0.0013)	0.0019	S
		ND(0.0012)	0.0017	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG3	2020/10/7	ND(0.0013)	0.0014	S
		ND(0.0014)	0.0017	B
	2020/11/12	ND(0.0015)	0.0023	S
		ND(0.0013)	0.0016	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	2020/10/29	ND(0.92)	ND(1.0)	S
		ND(0.94)	ND(1.1)	B
	2020/11/13	ND(0.97)	ND(1.2)	S
		ND(0.92)	ND(1.1)	B

T-B	2020/10/28	ND(0.97)	ND(1.1)	S
		ND(0.69)	ND(1.1)	B
	2020/11/12	ND(0.87)	ND(1.1)	S
		ND(0.79)	ND(1.1)	B

T-C	2020/10/29	ND(1.1)	ND(1.1)	S
		ND(0.79)	ND(1.1)	B
	2020/11/11	ND(0.75)	ND(1.0)	S
		ND(0.98)	ND(1.1)	B

T-D	2020/10/28	ND(1.0)	ND(1.2)	S
		ND(0.83)	ND(1.2)	B
	2020/11/12	ND(0.81)	ND(1.1)	S
		ND(0.83)	ND(1.1)	B

M-M1	2020/8/6	ND(0.000056)	0.0015	1m
		ND(0.000061)	0.0018	98m

M-I3	2020/8/16	ND(0.000075)	0.0016	1m
		ND(0.000064)	0.0015	100m
		ND(0.000058)	0.0015	175m

M-J3	2020/8/16	ND(0.000057)	0.0015	1m
		ND(0.000071)	0.0015	100m
		ND(0.000045)	0.00057	548m

M-IB4	2020/8/15	ND(0.000055)	0.0014	1m
		ND(0.000071)	0.0014	107m

T-E	2020/10/27	ND(1.0)	ND(1.0)	S
		ND(0.83)	ND(1.1)	B
	2020/11/11	ND(0.93)	ND(1.2)	S
		ND(1.2)	ND(1.2)	B

M-L1	2020/8/6	ND(0.000059)	0.0016	1m
		ND(0.000076)	0.0017	32m

