

# Sea Area Monitoring

September 27, 2021

Nuclear Regulation Authority (NRA), Japan

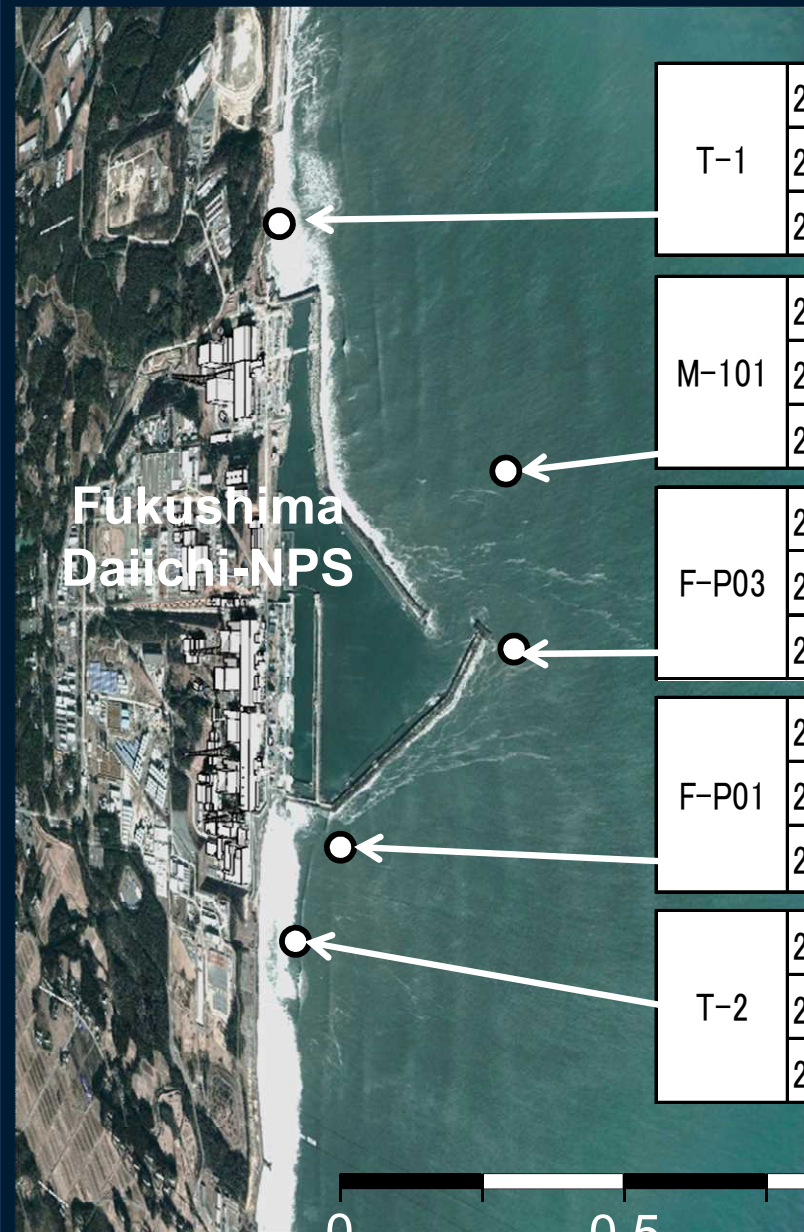
# The most recent radioactivity data of sea area within 2km from the NPS

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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Seawater 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	2021/6/7	0.0047	0.10	13 <sup>*1</sup>	ND(0.85)	0.0084	ND(2.3)		
	2021/7/5	0.0053	0.13	10 <sup>*1</sup>	ND(0.79)	0.0094	ND(2.3)		
	2021/8/2	0.0057	0.15	11 <sup>*1</sup>	ND(0.95)	0.017	ND(2.0)		
M-101	2021/6/11	0.00063	0.013		0.15	0.00089			
	2021/7/13	ND(0.00045)	0.0034			0.00091			
	2021/8/7	ND(0.00046)	0.016						
F-P03	2021/4/20	0.008	0.19	0.02 <sup>*2</sup>	0.46	0.0096		ND( $7 \times 10^{-6}$ )	0.000011
	2021/5/12	ND(0.002)	0.022	0.02 <sup>*2</sup>	ND(0.33)	0.0015		ND( $7 \times 10^{-6}$ )	ND( $6 \times 10^{-6}$ )
	2021/6/3	ND(0.003)	0.048	0.02 <sup>*2</sup>	ND(0.33)	0.0030		ND( $6 \times 10^{-6}$ )	0.000007
F-P01	2021/4/20	ND(0.003)	0.033	0.02 <sup>*2</sup>	ND(0.33)	0.0011		ND( $7 \times 10^{-6}$ )	0.000019
	2021/5/12	ND(0.002)	0.007	0.02 <sup>*2</sup>	ND(0.33)	0.0007		ND( $1 \times 10^{-5}$ )	ND( $1 \times 10^{-5}$ )
	2021/6/3	ND(0.002)	0.009	0.02 <sup>*2</sup>	ND(0.33)	0.0013		ND( $1 \times 10^{-5}$ )	0.000008
T-2	2021/6/7	0.0017	0.052	11 <sup>*1</sup>	ND(0.85)	0.0063	ND(2.3)		
	2021/7/5	0.0023	0.060	12 <sup>*1</sup>	ND(0.79)	0.0074	ND(2.3)		
	2021/8/2	0.0087	0.23	9.1 <sup>*1</sup>	ND(0.95)	0.050	ND(2.0)		

0      0.5      1km

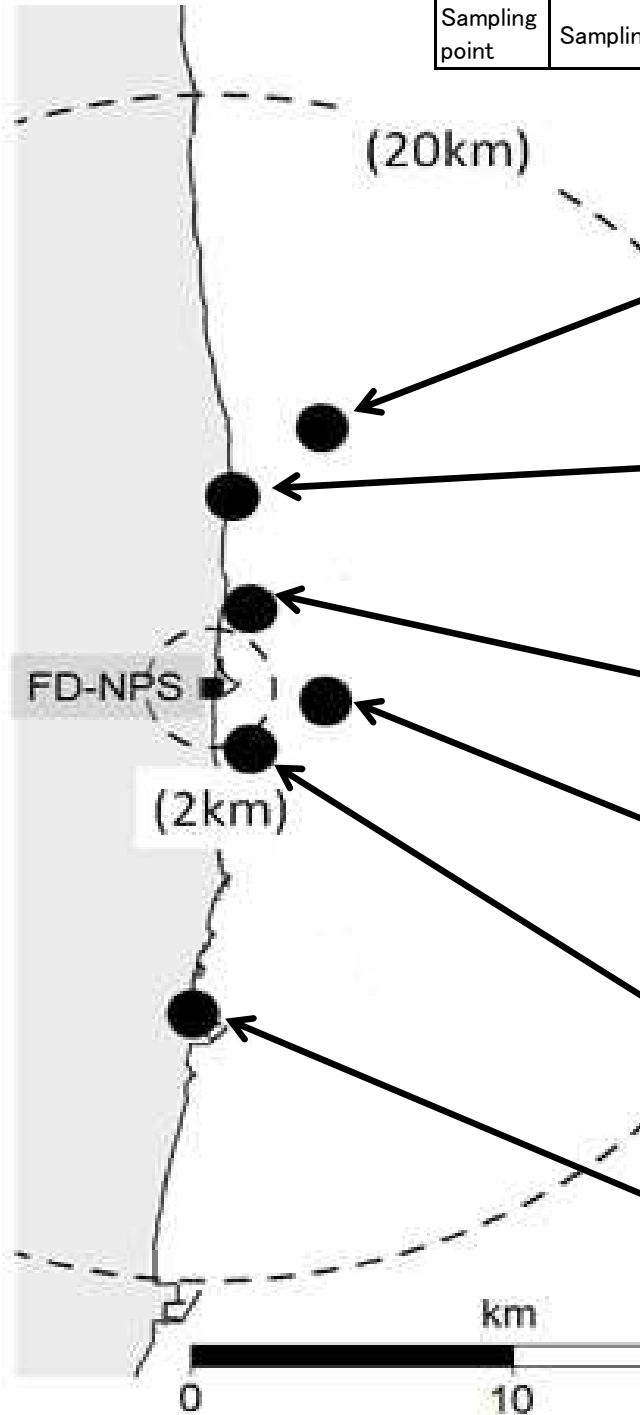
# Most recent radioactivity data of sea area between 2-20km from the NPS

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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Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross  $\beta$  : including K-40



T-D1	2021/6/1	ND(0.0012)	0.0032	ND(14)	ND(0.30)	0.0010	ND(2.1)			S
	2021/7/5	ND(0.0011)	0.0050	ND(13)	ND(0.29)	0.0011	ND(2.1)			S
	2021/8/2	ND(0.0012)	0.011	ND(13)	0.39	0.00096	ND(2.2)			S
T-6	2021/6/1	ND(0.0013)	0.012	12	ND(0.32)					S
	2021/7/6	ND(0.0012)	0.010	ND(12)	ND(0.29)					S
	2021/8/3	0.0020	0.051	ND(13)	ND(0.29)					S
M-103	2021/6/11	ND(0.00051)	0.0053		0.097	0.00087				0.5m
	2021/7/13	ND(0.00048)	0.0043			0.00084				0.5m
	2021/8/7	ND(0.00045)	0.011							0.5m
T-D5	2021/6/1	ND(0.0011)	0.0057	ND(14)	ND(0.30)	ND(0.00064)	ND(2.1)			S
	2021/7/5	ND(0.0012)	0.0029	ND(13)	ND(0.29)	0.0018	ND(2.1)			S
	2021/8/2	ND(0.0013)	0.0081	ND(13)	ND(0.32)	0.0017	ND(2.2)			S
M-104	2021/6/10	ND(0.00047)	0.0054		0.10	0.00083				0.5m
	2021/7/14	ND(0.00049)	0.0049			0.00077				0.5m
	2021/8/6	ND(0.00050)	0.0039							0.5m
T-3	2021/6/1	ND(0.0012)	0.020	ND(11)	ND(0.32)					S
	2021/7/6	ND(0.0013)	0.022	ND(12)	ND(0.29)					S
	2021/8/3	0.0014	0.028	ND(13)	0.39					S

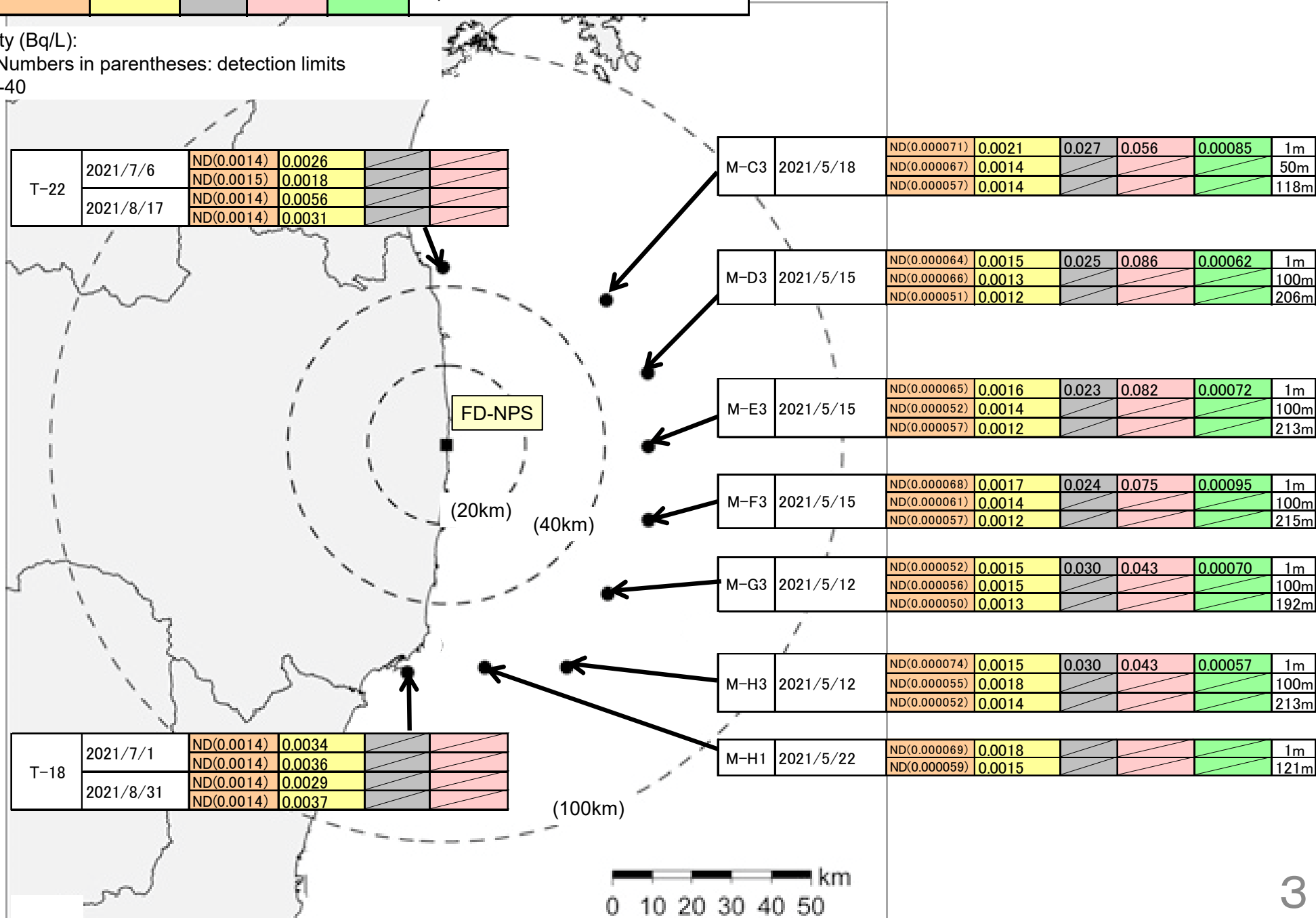
# Most recent radioactivity data of sea area between 40-100km from the NPS

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

Seawater 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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Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG1	2021/7/6	ND(0.0014)	0.0020	S
		ND(0.0014)	0.0017	B
	2021/8/5	ND(0.0013)	0.0022	S
		ND(0.0014)	0.0030	B

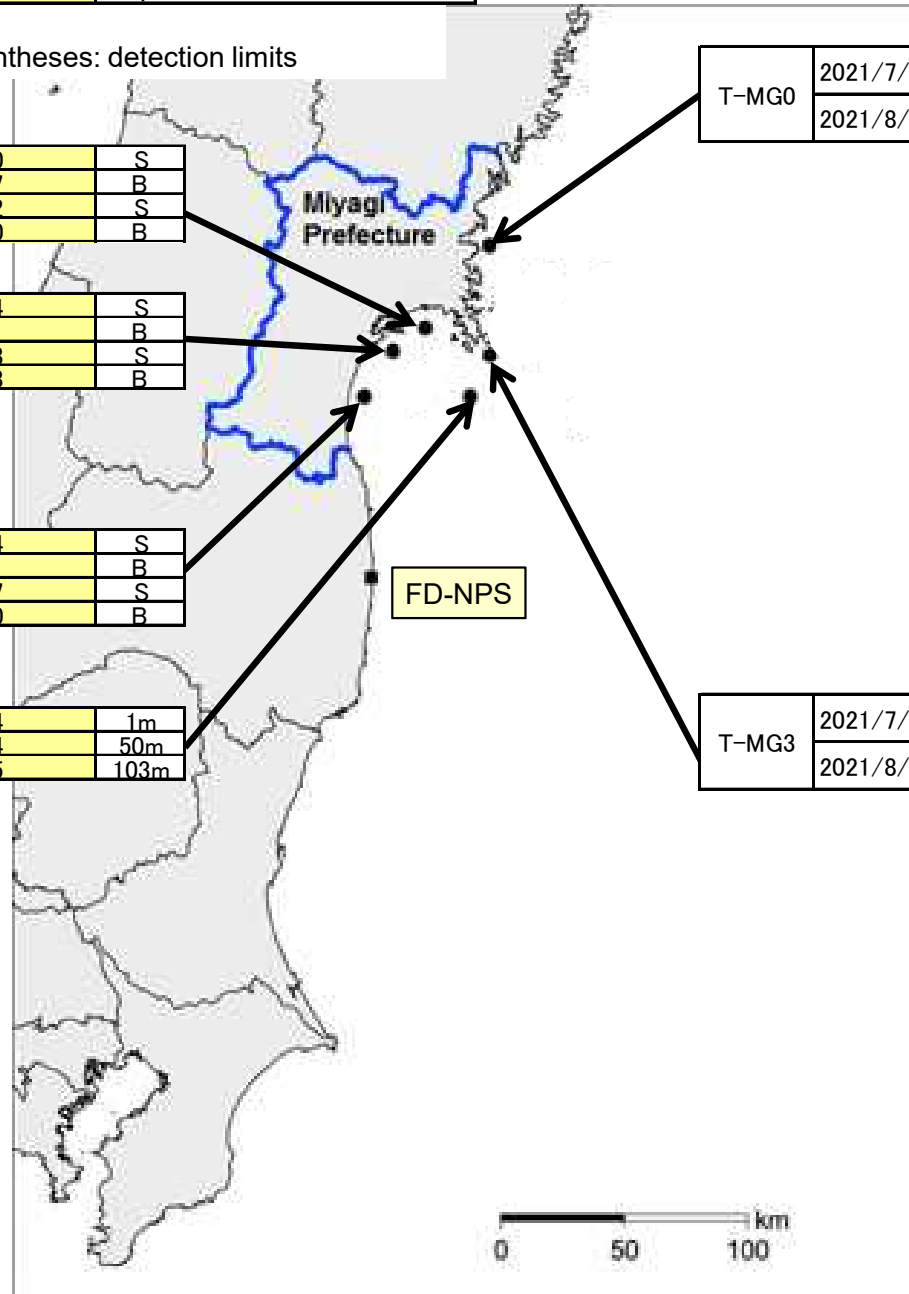
Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG4	2021/7/14	ND(0.0015)	0.0024	S
		ND(0.0014)	0.0021	B
	2021/8/23	ND(0.0013)	0.0023	S
		ND(0.0013)	0.0023	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG6	2021/7/14	ND(0.0013)	0.0024	S
		ND(0.0015)	0.0091	B
	2021/8/23	ND(0.0014)	0.0027	S
		ND(0.0013)	0.0020	B

Sampling point	Sampling Date	Cs-134	Cs-137	Depth(m)
M-B3	2021/5/10	ND(0.000072)	0.0024	1m
		ND(0.000073)	0.0014	50m
		ND(0.000062)	0.0015	103m

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG0	2021/7/6	ND(0.0013)	0.0017	S
		ND(0.0014)	0.0019	B
	2021/8/2	ND(0.0015)	0.0013	S
		ND(0.0013)	0.0014	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG3	2021/7/6	ND(0.0014)	0.0012	S
		ND(0.0013)	0.0014	B
	2021/8/5	ND(0.0014)	0.0021	S
		ND(0.0012)	0.0019	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.

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

T-A	2021/7/9	ND(1.0)	ND(1.2)	S
		ND(0.75)	ND(1.1)	B
	2021/8/19	ND(1.0)	ND(1.0)	S
		ND(0.83)	ND(1.1)	B

T-B	2021/7/8	ND(0.97)	ND(1.1)	S
		ND(0.79)	ND(1.1)	B
	2021/8/23	ND(0.81)	ND(1.1)	S
		ND(0.83)	ND(1.1)	B

T-C	2021/7/7	ND(0.97)	ND(1.1)	S
		ND(0.91)	ND(1.0)	B
	2021/8/20	ND(0.97)	ND(1.1)	S
		ND(0.79)	ND(1.1)	B

T-D	2021/7/8	ND(1.1)	ND(0.96)	S
		ND(0.91)	ND(1.1)	B
	2021/8/19	ND(1.0)	ND(1.2)	S
		ND(0.87)	ND(1.1)	B

M-M1	2021/5/19	ND(0.000071)	0.0015	1m
		ND(0.000069)	0.0018	100m

M-I3	2021/5/20	ND(0.000069)	0.0015	1m
		ND(0.000066)	0.0018	100m
		ND(0.000053)	0.0015	175m

M-J3	2021/5/20	ND(0.000072)	0.0017	1m
		ND(0.000053)	0.0018	100m
		ND(0.000054)	0.00072	549m

M-IB4	2021/5/23	ND(0.000064)	0.0016	1m
		ND(0.000069)	0.0017	107m

T-E	2021/7/7	ND(0.93)	ND(1.1)	S
		ND(0.79)	ND(1.1)	B
	2021/8/23	ND(1.1)	ND(1.2)	S
		ND(1.0)	ND(1.2)	B

M-L1	2021/5/19	ND(0.000072)	0.0017	1m
		ND(0.000068)	0.0018	34m

