

# Sea Area Monitoring

June 25, 2021

Nuclear Regulation Authority (NRA), Japan

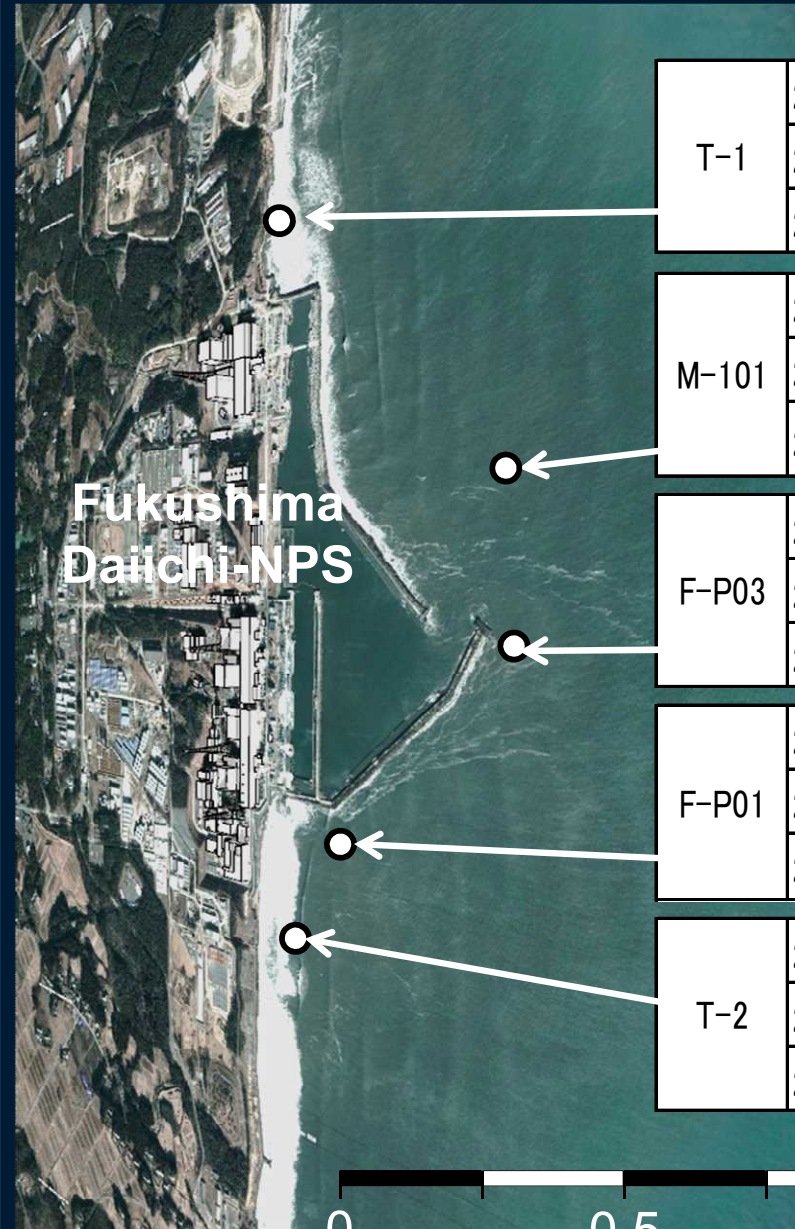
# The most recent radioactivity data of sea area within 2km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross $\beta$	H-3	Sr-90	Gross $\alpha$	Pu-238	Pu-239+Pu-240
----------------	---------------	--------	--------	---------------	-----	-------	----------------	--------	---------------

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	2021/3/1	0.0056	0.13	13 <sup>*1</sup>	ND(084)	0.0090	ND(1.8)		
	2021/4/7	0.0033	0.08	12 <sup>*1</sup>	ND(084)	0.0066	ND(2.1)	ND( $5 \times 10^{-6}$ )	ND( $5 \times 10^{-6}$ )
	2021/5/3	0.0015	0.04	9.7 <sup>*1</sup>	1.2	0.0056	ND(1.9)		
M-101	2020/2/5	0.00095	0.015			0.00077			
	2021/3/5	0.0028	0.061			0.011			
	2021/4/22	0.00056	0.013						
F-P03	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( $8 \times 10^{-6}$ )
	2021/1/7	0.004	0.056	0.04 <sup>*2</sup>	ND(0.34)	0.0020		ND( $7 \times 10^{-6}$ )	ND( $7 \times 10^{-6}$ )
F-P01	2020/11/12	ND(0.003)	0.012	0.04 <sup>*2</sup>	ND(0.34)	0.0007		ND( $1 \times 10^{-5}$ )	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( $1 \times 10^{-5}$ )
	2021/1/7	ND(0.002)	0.016	0.05 <sup>*2</sup>	ND(0.34)	0.0006		ND( $7 \times 10^{-6}$ )	ND( $7 \times 10^{-6}$ )
T-2	2021/3/1	0.0035	0.078	10 <sup>*1</sup>	ND(0.83)	0.016	ND(1.8)		
	2021/4/7	0.0057	0.150	12 <sup>*1</sup>	ND(084)	0.060	ND(2.1)	ND( $5 \times 10^{-6}$ )	0.0000081
	2021/5/3	0.0035	0.089	12 <sup>*1</sup>	0.98	0.23	ND(1.9)		

0 0.5 1km

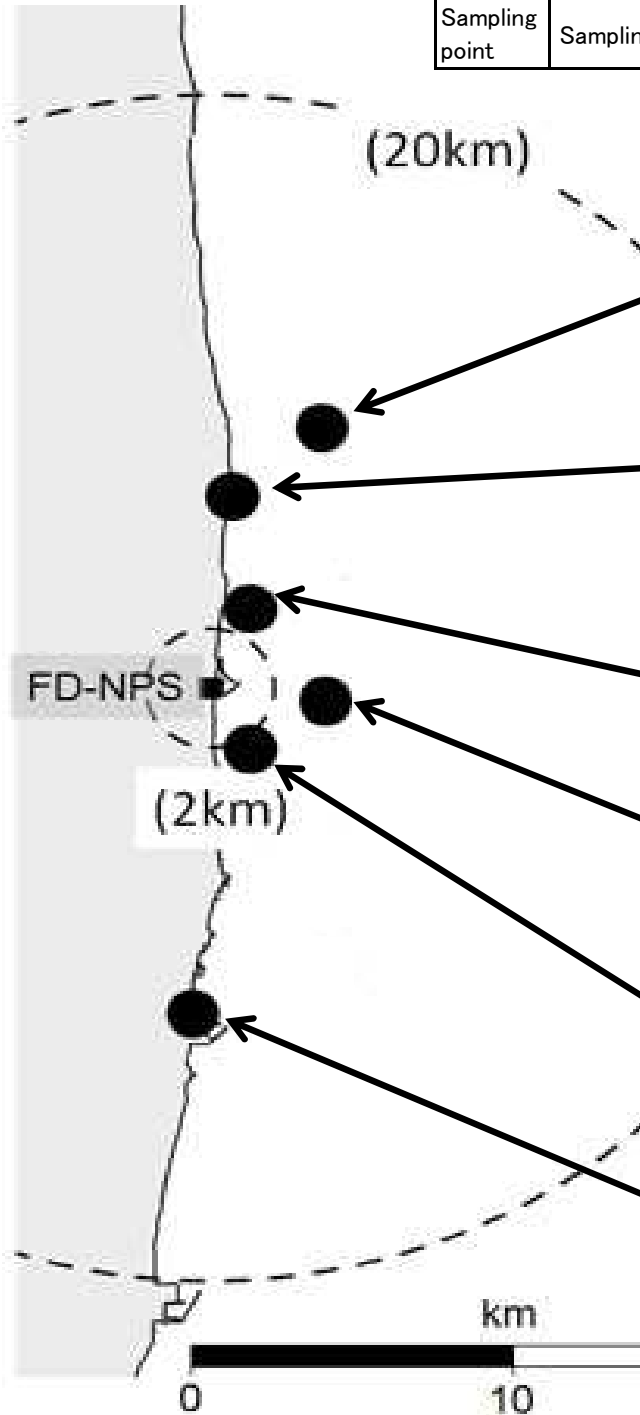
# Most recent radioactivity data of sea area between 2-20km from the NPS

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
----------------	---------------	--------	--------	---------------	-----	-------	----------------	--------	------------	---	----------------------

Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross  $\beta$  : including K-40



T-D1	2021/3/1	ND(0.0012)	0.0069	16	ND(0.31)	0.0011	ND(2.2)			S
	2021/4/1	ND(0.0012)	0.0039	ND(15)	ND(0.29)	ND(0.00069)	ND(1.9)			S
	2021/5/6	ND(0.0014)	0.0073	ND(13)	ND(0.29)					S
T-6	2021/3/2	0.0020	0.045	ND(13)	ND(0.27)					S
	2021/4/6	0.0022	0.045	ND(12)	0.43					S
	2021/5/6	ND(0.0013)	0.017	ND(13)	ND(0.30)					S
M-103	2020/2/5	0.00038	0.0089			0.0008				0.5m
	2021/3/5	0.00071	0.016			0.0014				0.5m
	2021/4/22	ND(0.00047)	0.010							0.5m
T-D5	2021/3/1	ND(0.0014)	0.0039	16	ND(0.31)	0.0011	ND(2.2)			S
	2021/4/1	ND(0.0013)	0.0064	ND(15)	ND(0.28)	0.00092	ND(1.9)			S
	2021/5/6	ND(0.0012)	0.0074	ND(13)	0.33					S
M-104	2020/2/4	0.00041	0.011			0.00085				0.5m
	2021/3/4	0.00062	0.011			0.00068				0.5m
	2021/4/24	ND(0.00051)	0.0098							0.5m
T-3	2021/3/2	ND(0.0013)	0.022	ND(13)	ND(0.27)					S
	2021/4/6	0.0022	0.038	ND(12)	ND(0.31)					S
	2021/5/6	0.0013	0.024	ND(13)	ND(0.30)					S

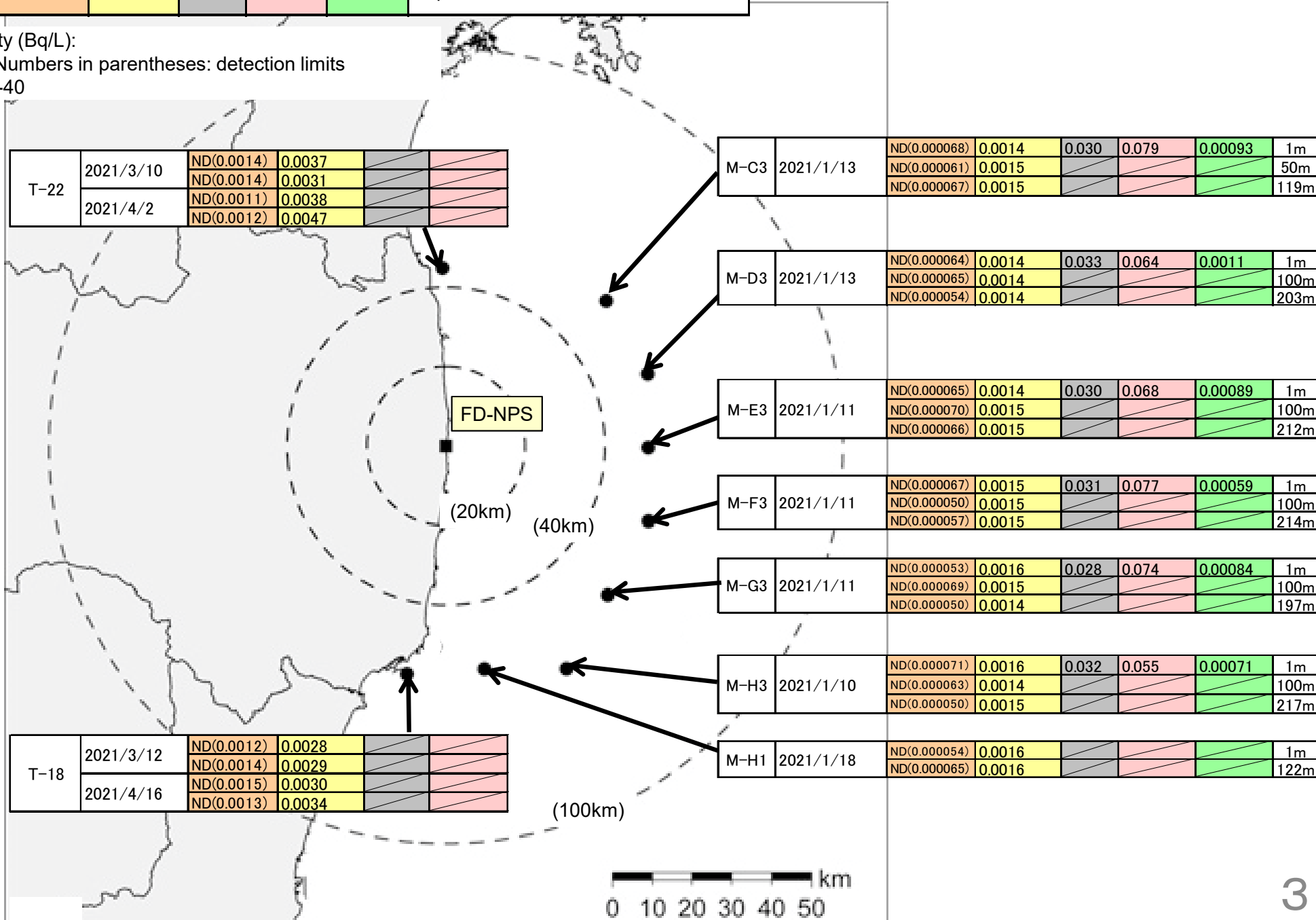
# Most recent radioactivity data of sea area between 40-100km from the NPS

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

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
----------------	---------------	--------	--------	-----

Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG1	2021/4/24	ND(0.0014)	0.0029	S
		ND(0.0014)	0.0024	B
	2021/5/25	ND(0.0013)	0.0026	S
		ND(0.0014)	0.0024	B

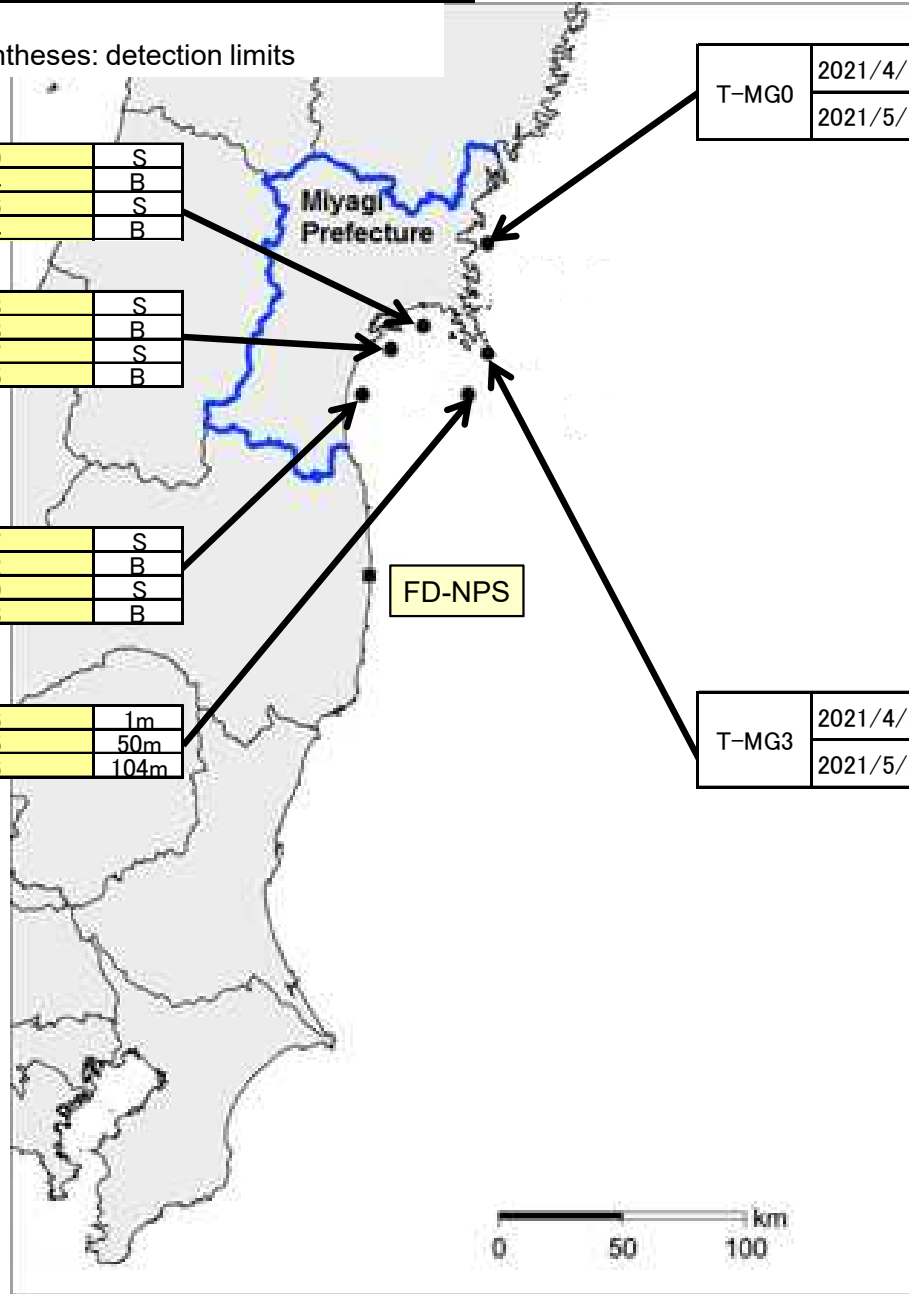
Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG4	2021/4/21	ND(0.0014)	0.0023	S
		ND(0.0016)	0.0033	B
	2021/5/19	ND(0.0014)	0.0027	S
		ND(0.0014)	0.0035	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG6	2021/4/21	ND(0.0013)	0.0017	S
		ND(0.0014)	0.0032	B
	2021/5/19	ND(0.0013)	0.0039	S
		ND(0.0014)	0.0033	B

Sampling point	Sampling Date	Cs-134	Cs-137	Depth(m)
M-B3	2021/1/15	ND(0.000053)	0.0016	1m
		ND(0.000053)	0.0015	50m
		ND(0.000054)	0.0016	104m

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG0	2021/4/22	ND(0.0012)	0.0016	S
		ND(0.0014)	0.0015	B
	2021/5/11	ND(0.0014)	0.0015	S
		ND(0.0015)	0.0018	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG3	2021/4/24	ND(0.0014)	0.0017	S
		ND(0.0015)	0.0011	B
	2021/5/25	ND(0.0015)	0.0020	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
----------------	---------------	--------	--------	-----	----------------------	-------------------------	-------------------------

Ibaraki Pref. and Chiba Pref.

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

T-A	2021/4/8	ND(0.97)	ND(1.2)	S
		ND(0.94)	ND(1.2)	B
	2021/5/14	ND(0.97)	ND(1.1)	S
		ND(0.75)	ND(1.1)	B

T-B	2021/4/12	ND(1.1)	ND(0.96)	S
		ND(0.82)	ND(1.1)	B
	2021/5/13	ND(1.1)	ND(1.2)	S
		ND(0.83)	ND(1.1)	B

T-C	2021/4/9	ND(0.81)	ND(1.1)	S
		ND(0.78)	ND(1.2)	B
	2021/5/12	ND(1.0)	ND(1.2)	S
		ND(0.83)	ND(1.1)	B

T-D	2021/4/8	ND(1.0)	ND(1.1)	S
		ND(0.90)	ND(1.1)	B
	2021/5/13	ND(0.67)	ND(1.1)	S
		ND(1.1)	ND(1.2)	B

M-M1	2021/1/9	ND(0.000066)	0.0017	1m
		ND(0.000071)	0.0019	105m

M-I3	2021/1/17	ND(0.000072)	0.0017	1m
		ND(0.000058)	0.0016	100m
		ND(0.000068)	0.0015	172m

M-J3	2021/1/17	ND(0.000051)	0.0016	1m
		ND(0.000058)	0.0015	100m
		ND(0.000040)	0.00057	545m

M-IB4	2021/1/19	ND(0.000060)	0.0016	1m
		ND(0.000070)	0.0015	107m

T-E	2021/4/7	ND(1.0)	ND(0.96)	S
		ND(0.83)	ND(1.1)	B
	2021/5/12	ND(0.75)	ND(1.1)	S
		ND(0.95)	ND(1.1)	B

M-L1	2021/1/9	ND(0.000069)	0.0016	1m
		ND(0.000068)	0.0016	34m

