

Sea Area Monitoring

November 25, 2021

Nuclear Regulation Authority (NRA), Japan

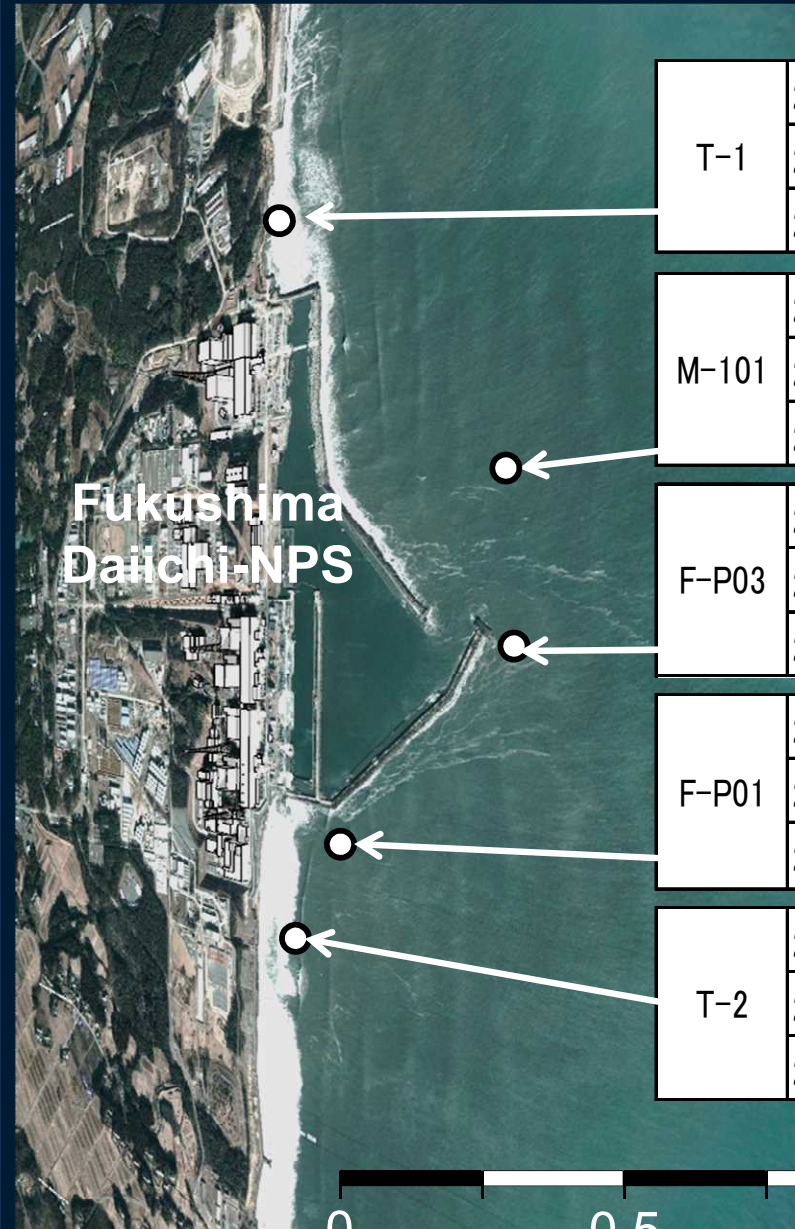
The most recent radioactivity data of sea area within 2km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Gross α	Pu-238	Pu-239+Pu-240
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Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

* 1 : Gross β : including K-40 * 2 : Gross β : excluding K-40



T-1	2021/8/2	0.0057	0.15	11 ^{*1}	ND(0.95)	0.017	ND(2.0)		
	2021/9/8	0.019	0.48	8.9 ^{*1}	1.1	0.081	ND(2.2)		
	2021/10/4	0.018	0.47	12 ^{*1}	2.1	0.032	ND(1.9)		
M-101	2021/8/7	ND(0.00046)	0.016		0.14				
	2021/9/9	0.0035	0.093						
	2021/10/8	0.0030	0.083						
F-P03	2021/4/20	0.008	0.19	0.02 ^{*2}	0.46	0.0096		ND(7×10^{-6})	0.000011
	2021/5/12	ND(0.002)	0.022	0.02 ^{*2}	ND(0.33)	0.0015		ND(7×10^{-6})	ND(6×10^{-6})
	2021/6/3	ND(0.003)	0.048	0.02 ^{*2}	ND(0.33)	0.0030		ND(6×10^{-6})	0.000007
F-P01	2021/4/20	ND(0.003)	0.033	0.02 ^{*2}	ND(0.33)	0.0011		ND(7×10^{-6})	0.000019
	2021/5/12	ND(0.002)	0.007	0.02 ^{*2}	ND(0.33)	0.0007		ND(1×10^{-5})	ND(1×10^{-5})
	2021/6/3	ND(0.002)	0.009	0.02 ^{*2}	ND(0.33)	0.0013		ND(1×10^{-5})	0.000008
T-2	2021/8/2	0.0087	0.23	9.1 ^{*1}	ND(0.95)	0.050	ND(2.0)		
	2021/9/8	0.0047	0.13	12 ^{*1}	ND(0.81)	0.018	ND(2.2)		
	2021/10/4	0.0036	0.097	7.2 ^{*1}	ND(0.80)	0.0039	ND(1.9)		

0 0.5 1km

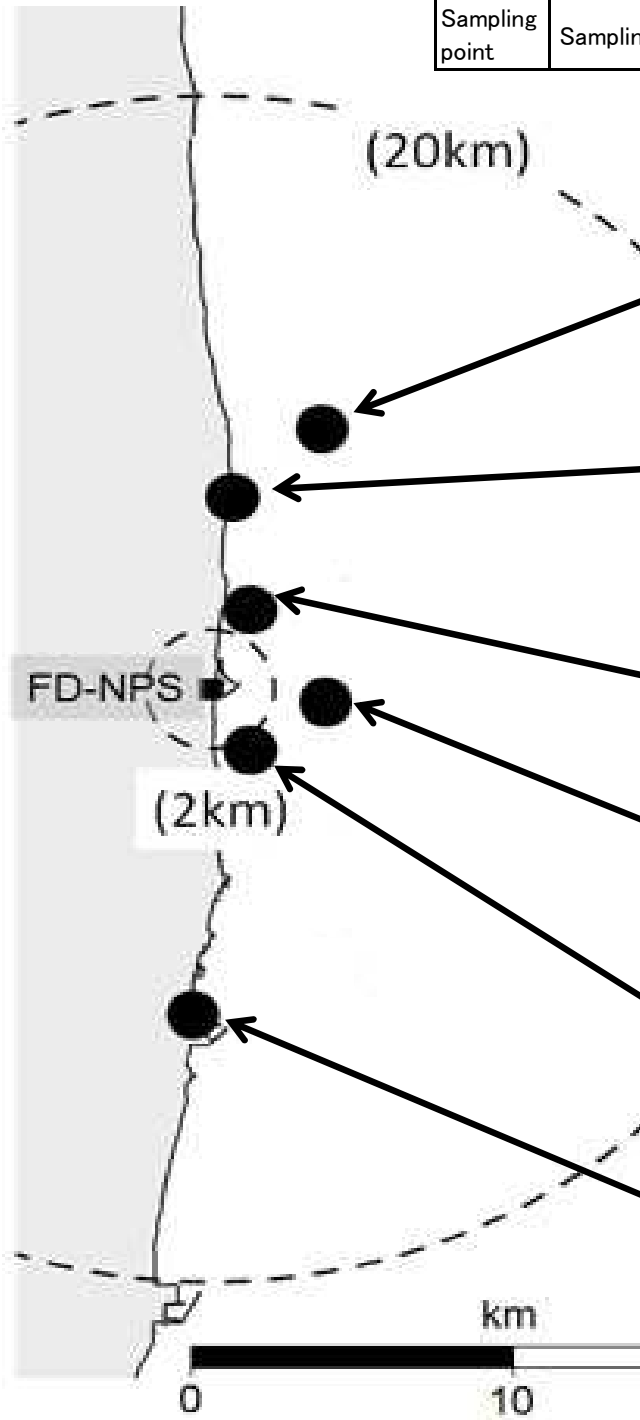
Most recent radioactivity data of sea area between 2-20km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Gross α	Pu-238	Pu-239+240	S	S:2m below sea level Depth(m) from sea level
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Seawater radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross β : including K-40



T-D1	2021/8/2	ND(0.0012)	0.011	ND(13)	0.39	0.00096	ND(2.2)			S
	2021/9/9	ND(0.0012)	0.014	ND(13)	ND(0.30)	0.0014	ND(2.3)			S
	2021/10/4	ND(0.0013)	0.032	ND(15)	0.34	0.0012	ND(2.4)			S
T-6	2021/8/3	0.0020	0.051	ND(13)	ND(0.29)					S
	2021/9/7	ND(0.0011)	0.019	ND(12)	ND(0.29)					S
	2021/10/5	ND(0.0013)	0.025	ND(14)	ND(0.29)					S
M-103	2021/8/7	ND(0.00045)	0.011		0.12					0.5m
	2021/9/9	0.00064	0.019							0.5m
	2021/10/8	0.00056	0.016							0.5m
T-D5	2021/8/2	ND(0.0013)	0.0081	ND(13)	ND(0.32)	0.0017	ND(2.2)			S
	2021/9/9	ND(0.0013)	0.0068	19	ND(0.30)	ND(0.00077)	ND(2.3)			S
	2021/10/4	ND(0.0013)	0.0024	ND(15)	ND(0.30)	0.00077	ND(2.4)			S
M-104	2021/8/6	ND(0.00050)	0.0039		0.075					0.5m
	2021/9/10	ND(0.00049)	0.0058							0.5m
	2021/10/7	ND(0.00045)	0.0059							0.5m
T-3	2021/8/3	0.0014	0.028	ND(13)	0.39					S
	2021/9/7	0.0015	0.035	ND(14)	ND(0.29)					S
	2021/10/5	0.0016	0.035	ND(14)	ND(0.29)					S

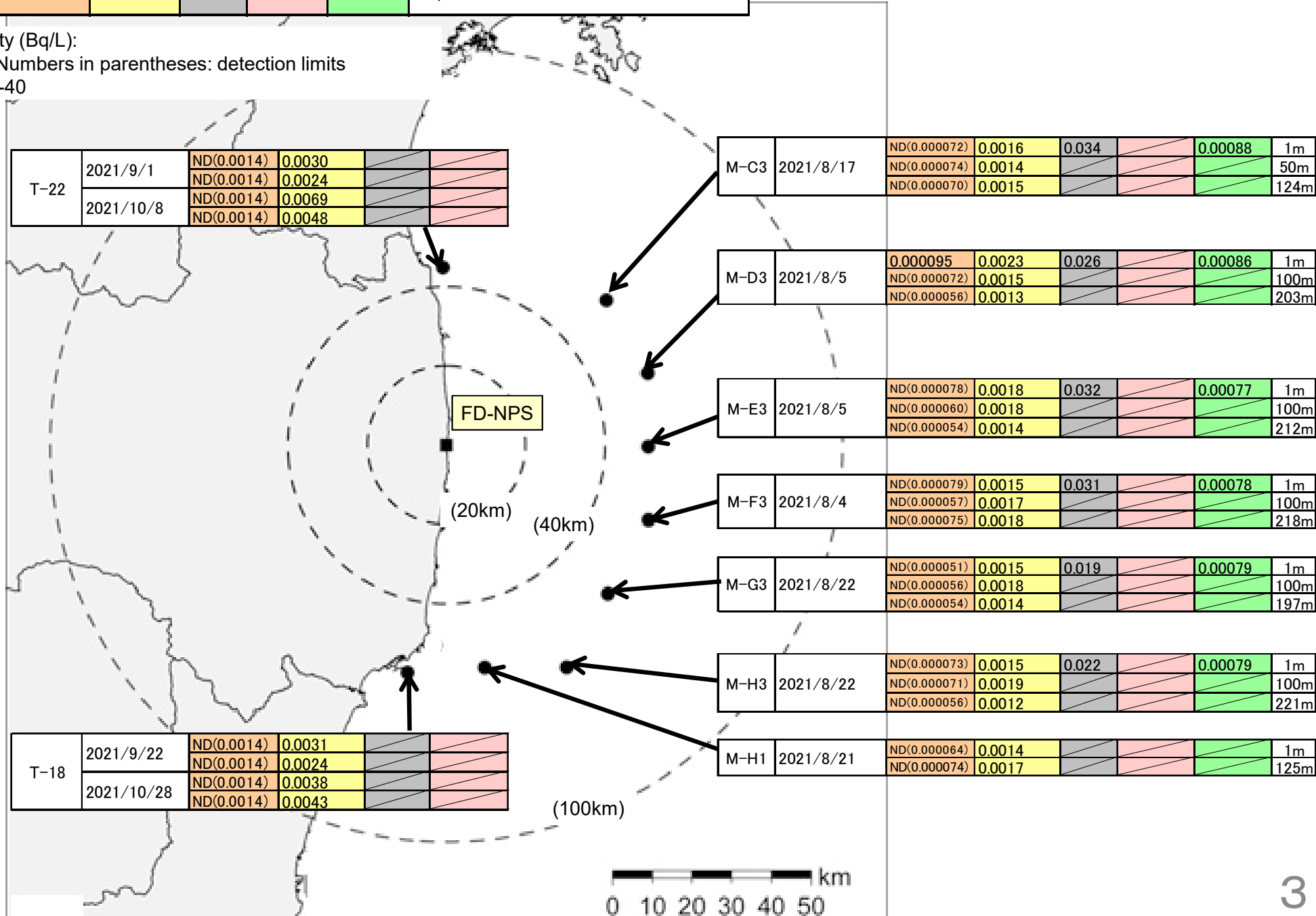
Most recent radioactivity data of sea area between 40-100km from the NPS

Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	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 β : excluding K-40



T-22	2021/9/1	Cs-134	Cs-137	Gross β	H-3
		ND(0.0014)	0.0030		
	2021/10/8	ND(0.0014)	0.0024		
		ND(0.0014)	0.0069		
		ND(0.0014)	0.0048		

M-C3	2021/8/17	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000072)	0.0016	0.034		0.00088	1m
		ND(0.000074)	0.0014				50m
		ND(0.000070)	0.0015				124m

M-D3	2021/8/5	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		0.000095	0.0023	0.026		0.00086	1m
		ND(0.000072)	0.0015				100m
		ND(0.000056)	0.0013				203m

M-E3	2021/8/5	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000078)	0.0018	0.032		0.00077	1m
		ND(0.000060)	0.0018				100m
		ND(0.000054)	0.0014				212m

M-F3	2021/8/4	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000079)	0.0015	0.031		0.00078	1m
		ND(0.000057)	0.0017				100m
		ND(0.000075)	0.0018				218m

M-G3	2021/8/22	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000051)	0.0015	0.019		0.00079	1m
		ND(0.000056)	0.0018				100m
		ND(0.000054)	0.0014				197m

M-H3	2021/8/22	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000073)	0.0015	0.022		0.00079	1m
		ND(0.000071)	0.0019				100m
		ND(0.000056)	0.0012				221m

T-18	2021/9/22	Cs-134	Cs-137	Gross β	H-3
		ND(0.0014)	0.0031		
	2021/10/28	ND(0.0014)	0.0024		
		ND(0.0014)	0.0038		
		ND(0.0014)	0.0043		

M-H1	2021/8/21	Cs-134	Cs-137	Gross β	H-3	Sr-90	Depth
		ND(0.000064)	0.0014				1m
		ND(0.000074)	0.0017				125m



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	2021/9/1	ND(0.0014)	0.0023	S
		ND(0.0015)	0.0027	B
	2021/10/18	ND(0.0014)	0.0031	S
		ND(0.0013)	0.0026	B

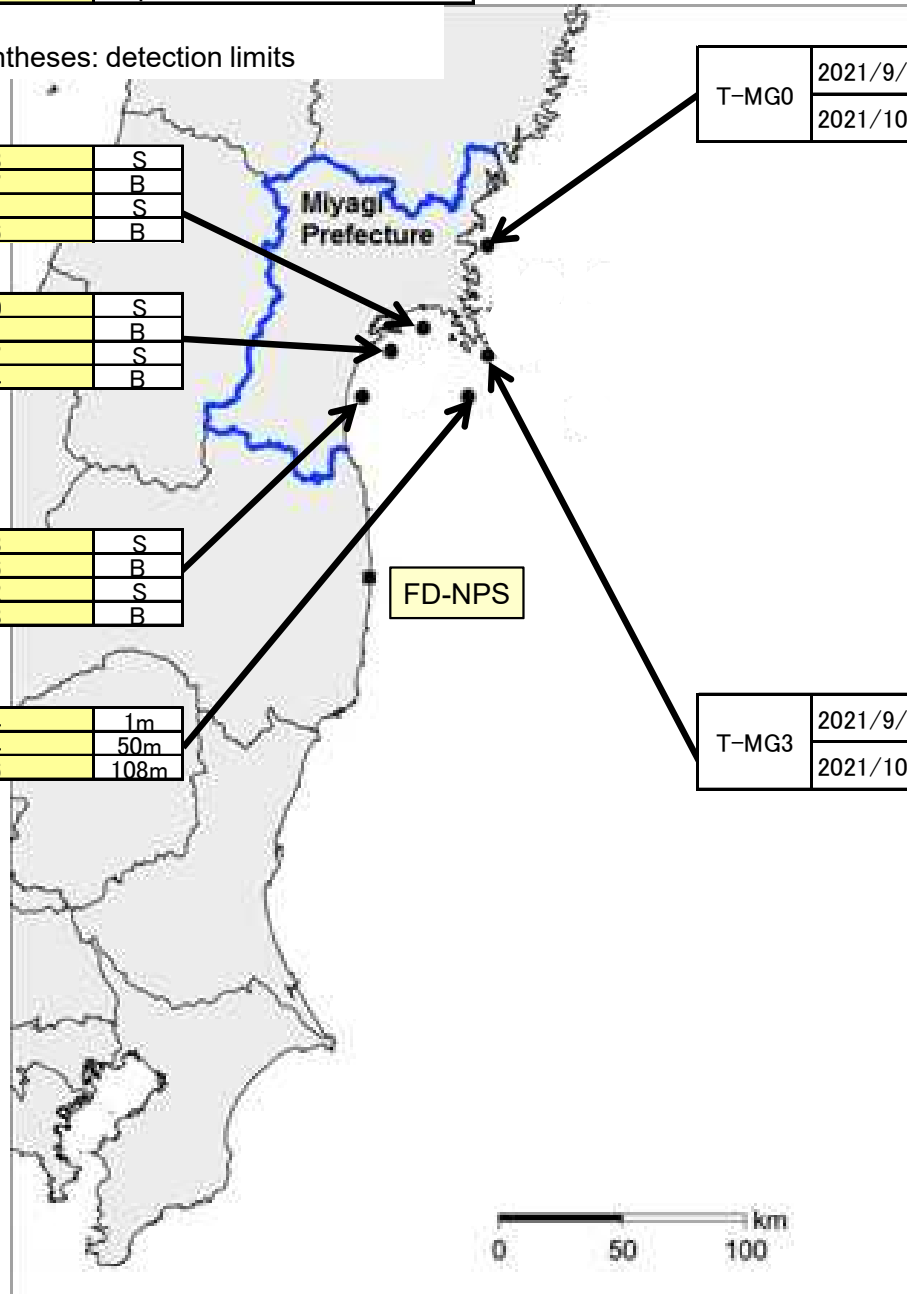
Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG4	2021/9/15	ND(0.0014)	0.0020	S
		ND(0.0013)	0.0031	B
	2021/10/7	ND(0.0014)	0.0027	S
		ND(0.0013)	0.0034	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG6	2021/9/15	ND(0.0014)	0.0023	S
		ND(0.0014)	0.0026	B
	2021/10/7	ND(0.0014)	0.0032	S
		ND(0.0013)	0.0068	B

Sampling point	Sampling Date	Cs-134	Cs-137	Depth(m)
M-B3	2021/5/10	ND(0.000058)	0.0014	1m
		ND(0.000065)	0.0014	50m
		ND(0.000070)	0.0016	108m

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG0	2021/9/13	ND(0.0014)	0.0017	S
		ND(0.0013)	0.0015	B
	2021/10/15	ND(0.0014)	0.0018	S
		ND(0.0013)	0.0018	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG3	2021/9/1	ND(0.0013)	0.0014	S
		ND(0.0013)	0.0019	B
	2021/10/18	ND(0.0013)	0.0016	S
		ND(0.0014)	0.0018	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

