

Sea Area Monitoring

February 25, 2019

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

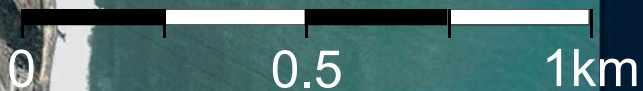
Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

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

T-1	2018/12/3	0.011	0.13	/	/	0.0035	ND(2.2)	/	/
	2019/1/7	0.019	0.22	/	/	0.0044	ND(2.0)	/	/
M-101	2018/9/14	0.015	0.15	/	0.36	0.011	/	/	/
	2018/10/11	0.0014	0.016	/	0.10	/	/	/	/
F-P03	2018/11/14	ND(0.003)	0.016	0.02 ^{*2}	ND(0.33)	0.0008	/	ND(4×10^{-6})	9×10^{-6}
	2018/12/11	0.004	0.032	0.02 ^{*2}	ND(0.35)	0.0011	/	ND(7×10^{-6})	ND(7×10^{-6})
F-P01	2018/11/14	0.004	0.029	0.02 ^{*2}	ND(0.34)	0.0020	/	ND(7×10^{-6})	1×10^{-5}
	2018/12/11	ND(0.002)	0.013	0.02 ^{*2}	ND(0.35)	0.0011	/	ND(6×10^{-6})	1×10^{-5}
T-2	2018/12/3	0.0016	0.017	/	/	0.0023	ND(2.2)	/	/
	2019/1/7	0.0017	0.021	/	/	0.0021	ND(2.1)	/	/

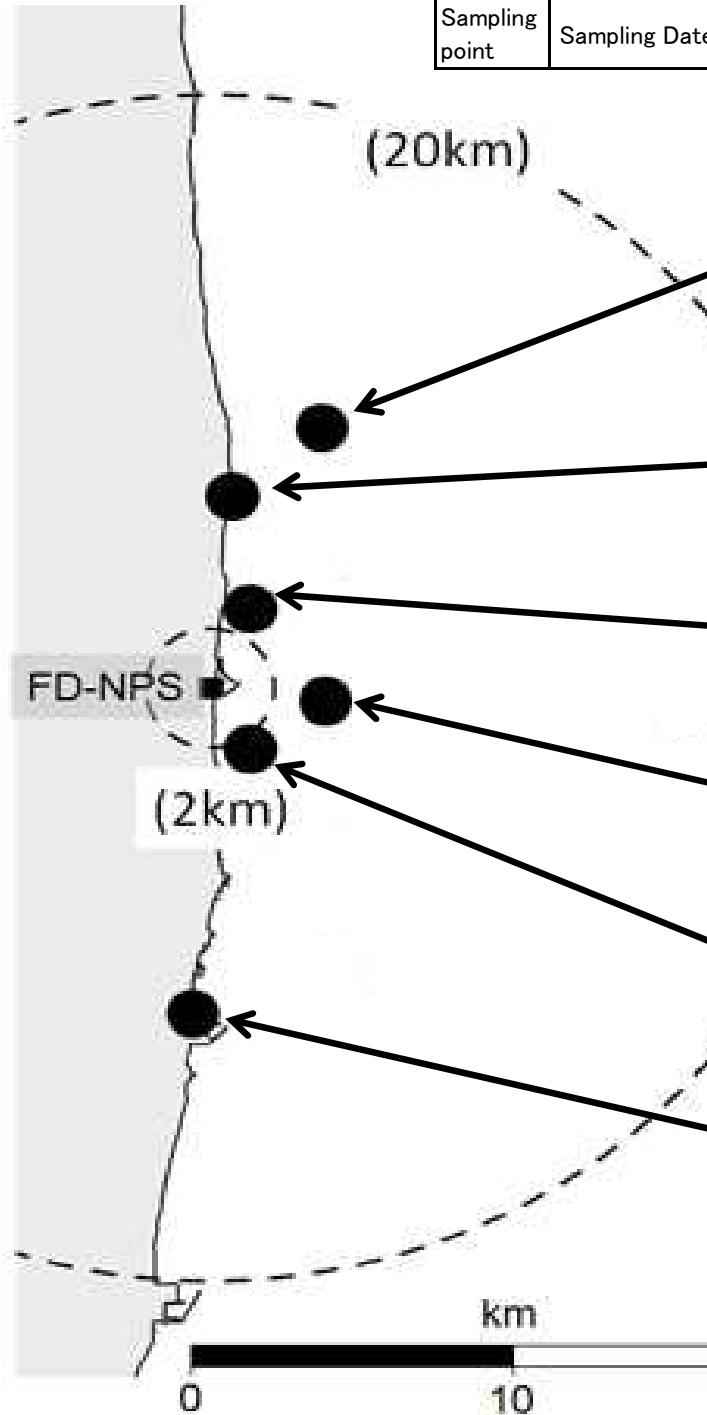
Fukushima
Daichi-NPS



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

Sea water radioactivity (Bq/L):
 ND: Not detected; Numbers in parentheses: detection limits
 Gross β : including K-40

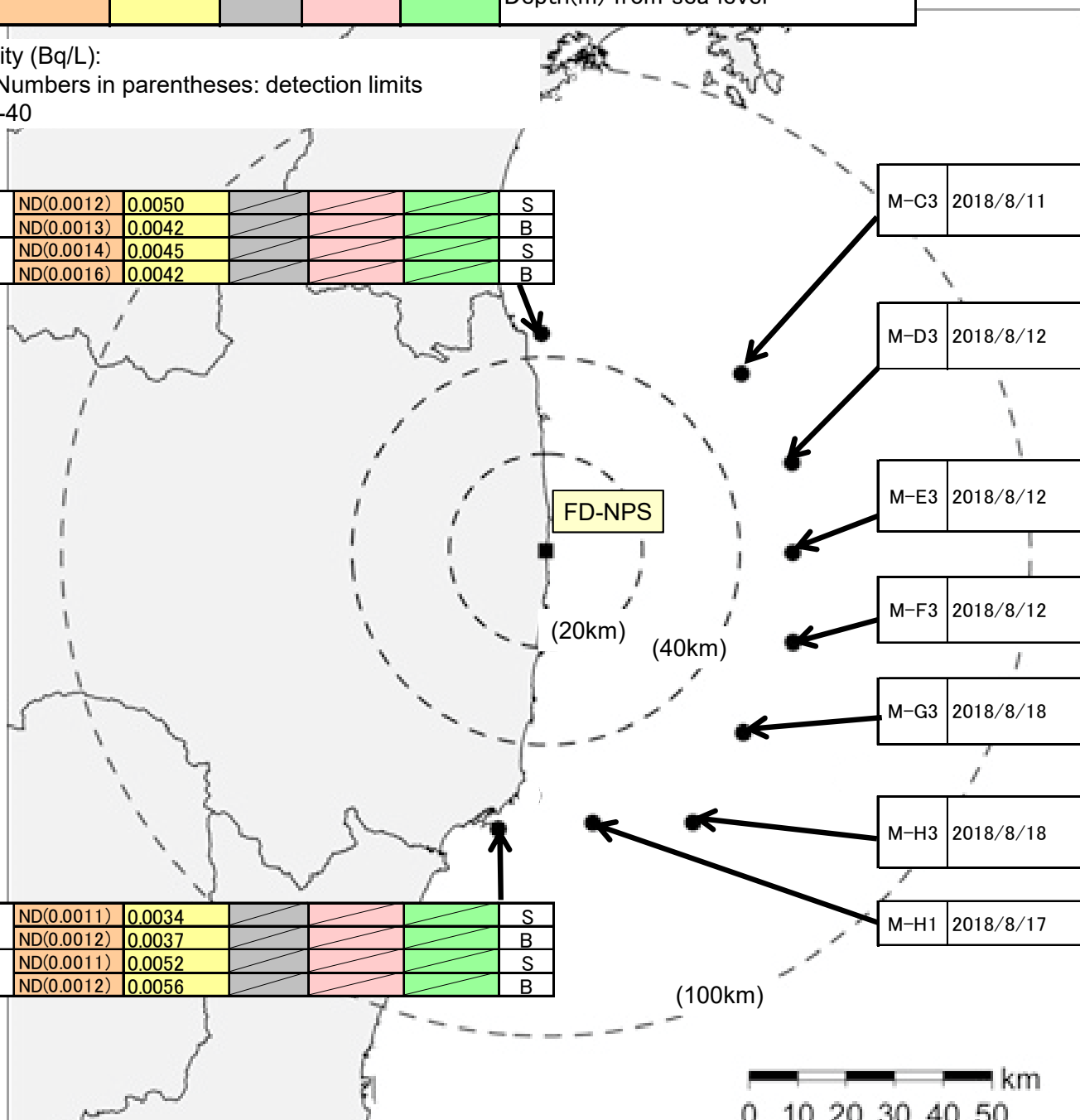


T-D1	2018/11/19	ND(0.0013)	0.0048	ND(17)	ND(0.33)						S
	2018/12/4	ND(0.0012)	0.0075	ND(15)	ND(0.34)	0.0012	ND(1.9)				S
	2018/12/18	ND(0.0011)	0.0044	ND(16)	ND(0.29)						S
T-6	2018/12/4	0.0017	0.019	ND(16)	0.40						S
	2018/12/18	0.0034	0.029	ND(19)	ND(0.35)						S
	2019/1/4	ND(0.0012)	0.015	ND(18)	ND(0.32)						S
M-103	2018/8/30	0.0010	0.0098		0.10	0.00099					0.5m
	2018/9/14	0.0026	0.032		0.14	0.0022					0.5m
	2018/10/11	0.0010	0.011		0.077						0.5m
T-D5	2018/11/19	ND(0.0013)	0.0044	ND(17)	ND(0.33)						S
	2018/12/4	ND(0.0014)	0.0053	ND(15)	ND(0.34)	0.0016					S
	2018/12/18	ND(0.0014)	0.0057	ND(16)	ND(0.29)						S
M-104	2018/8/29	0.00092	0.011		0.11	0.0010					0.5m
	2018/9/13	0.0013	0.018		0.13	0.0010					0.5m
	2018/10/12	0.0077	0.0098		0.081						0.5m
T-3	2018/12/4	0.0023	0.021	ND(15)	0.32						S
	2018/12/18	0.0016	0.019	ND(16)	ND(0.30)						S
	2019/1/4	0.0026	0.023	ND(15)	ND(0.34)						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

Sea water radioactivity (Bq/L):
 ND: Not detected; Numbers in parentheses: detection limits
 Gross β : excluding K-40



T-22	2018/11/16	ND(0.0012)	0.0050				S
		ND(0.0013)	0.0042				B
	2018/12/21	ND(0.0014)	0.0045				S
		ND(0.0016)	0.0042				B

M-C3	2018/8/11	0.00012	0.0019	0.027	0.057	0.00096	1m
		ND(0.000082)	0.0018				50m
		0.000083	0.0021				123m

M-D3	2018/8/12	ND(0.000077)	0.0019	0.029	0.056	0.0010	1m
		ND(0.000080)	0.0020				100m
		ND(0.000067)	0.0015				214m

M-E3	2018/8/12	ND(0.000080)	0.0020	0.032	0.065	0.00096	1m
		0.000091	0.0020				100m
		0.000083	0.0015				216m

M-F3	2018/8/12	0.000070	0.0019	0.031	0.062	0.00098	1m
		0.00010	0.0020				100m
		0.000091	0.0017				220m

M-G3	2018/8/18	0.00011	0.0019	0.032	0.056	0.00098	1m
		ND(0.000083)	0.0019				100m
		ND(0.000082)	0.0017				196m

M-H3	2018/8/18	0.000090	0.0019	0.033	0.050	0.0010	1m
		0.00013	0.0020				100m
		0.000085	0.0018				218m

T-18	2018/11/1	ND(0.0011)	0.0034				S
		ND(0.0012)	0.0037				B
	2018/12/3	ND(0.0011)	0.0052				S
		ND(0.0012)	0.0056				B

M-H1	2018/8/17	0.00017	0.0033				1m
		0.00011	0.0024				122m

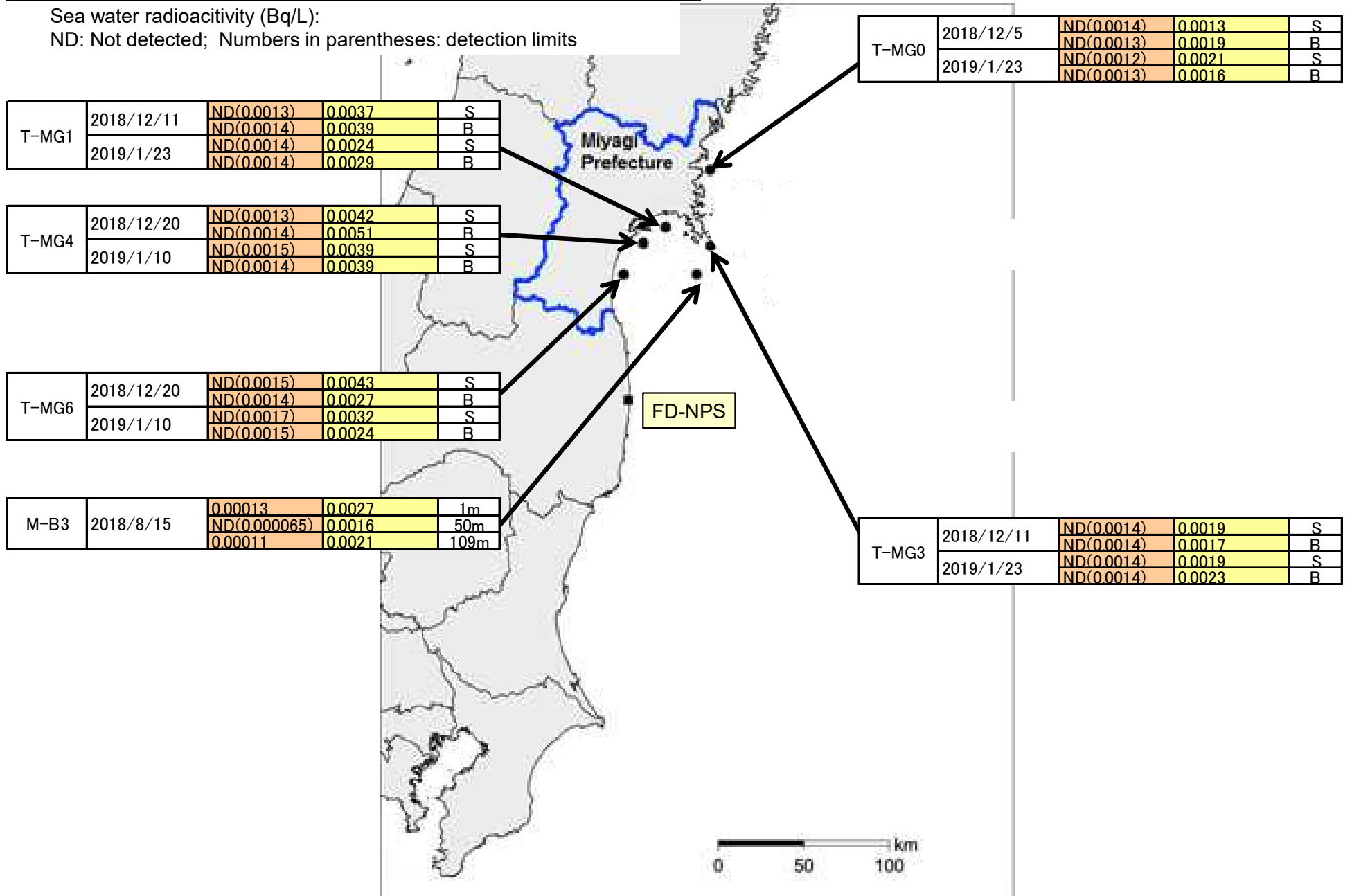


Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

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	

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	2018/12/11	ND(0.0013)	0.0037	S
		ND(0.0014)	0.0039	B
	2019/1/23	ND(0.0014)	0.0024	S
		ND(0.0014)	0.0029	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG4	2018/12/20	ND(0.0013)	0.0042	S
		ND(0.0014)	0.0051	B
	2019/1/10	ND(0.0015)	0.0039	S
		ND(0.0014)	0.0039	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG6	2018/12/20	ND(0.0015)	0.0043	S
		ND(0.0014)	0.0027	B
	2019/1/10	ND(0.0017)	0.0032	S
		ND(0.0015)	0.0024	B

Sampling point	Sampling Date	Cs-134	Cs-137	Depth(m)
M-B3	2018/8/15	0.00013	0.0027	1m
		ND(0.000065)	0.0016	50m
		0.00011	0.0021	109m

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG0	2018/12/5	ND(0.0014)	0.0013	S
		ND(0.0013)	0.0019	B
	2019/1/23	ND(0.0012)	0.0021	S
		ND(0.0013)	0.0016	B

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
T-MG3	2018/12/11	ND(0.0014)	0.0019	S
		ND(0.0014)	0.0017	B
	2019/1/23	ND(0.0014)	0.0019	S
		ND(0.0014)	0.0023	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.

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

T-A	2018/12/13	ND(0.57)	ND(1.0)	S
		ND(0.70)	ND(1.0)	B
	2019/1/11	ND(0.67)	ND(0.84)	S
		ND(0.59)	ND(0.84)	B

T-B	2018/12/11	ND(1.0)	ND(1.1)	S
		ND(0.80)	ND(1.1)	B
	2019/1/17	ND(1.2)	ND(1.0)	S
		ND(0.91)	ND(1.1)	B

T-C	2018/12/13	ND(0.75)	ND(1.1)	S
		ND(0.84)	ND(1.1)	B
	2019/1/16	ND(1.1)	ND(1.2)	S
		ND(0.80)	ND(1.2)	B

T-D	2018/12/11	ND(0.97)	ND(1.0)	S
		ND(1.0)	ND(1.1)	B
	2019/1/18	ND(0.91)	ND(1.1)	S
		ND(0.98)	ND(1.1)	B

M-M1	2018/8/3	ND(0.000079)	0.0016	1m
		0.000077	0.0020	102m

M-I3	2018/8/17	0.00016	0.0033	1m
		ND(0.000074)	0.0019	100m
		0.00013	0.0021	165m

M-J3	2018/8/4	0.00011	0.0022	1m
		0.000083	0.0020	100m
		ND(0.000045)	0.00061	551m

M-IB4	2018/8/4	0.00015	0.0024	1m
		0.000095	0.0021	112m

T-E	2018/12/10	ND(0.97)	ND(1.2)	S
		ND(0.88)	ND(1.2)	B
	2019/1/17	ND(1.0)	ND(1.0)	S
		ND(0.75)	ND(1.1)	B

M-L1	2018/8/3	ND(0.000090)	0.0018	1m
		0.00016	0.0024	35m

