

Sea Area Monitoring

April 25, 2018

Nuclear Regulation Authority (NRA), Japan

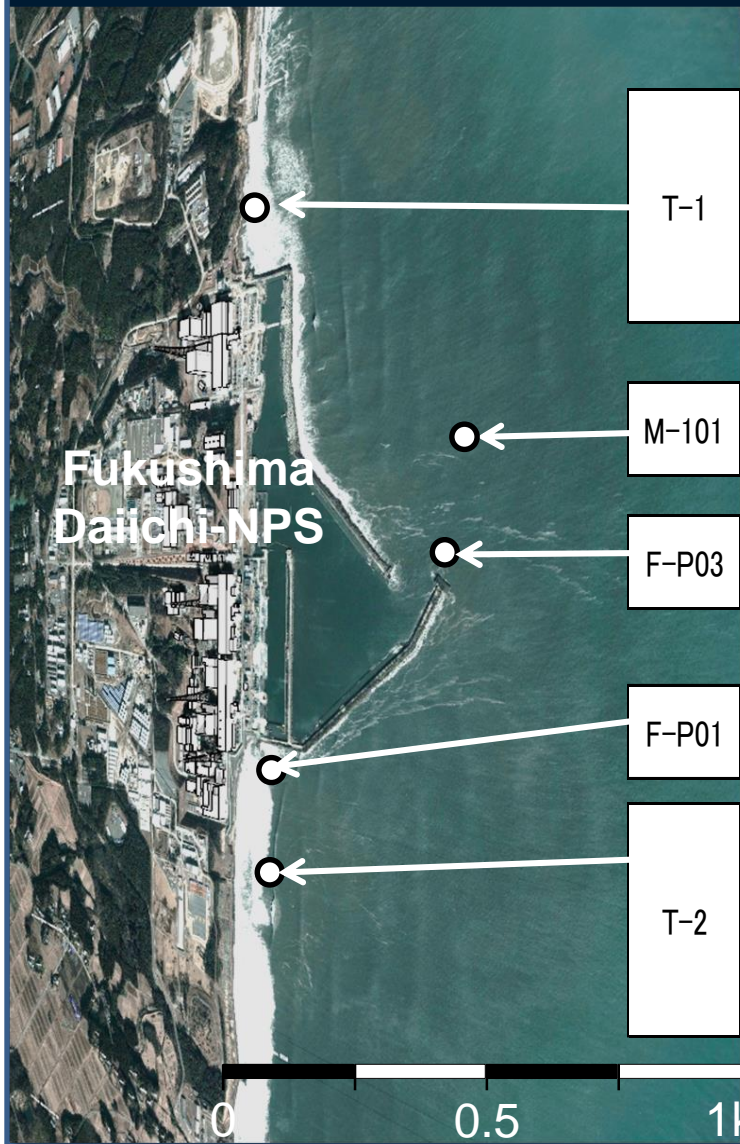
The most recent radioactivity data of sea area within 2km from the NPS

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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Sea water radioactivity (Bq/L):

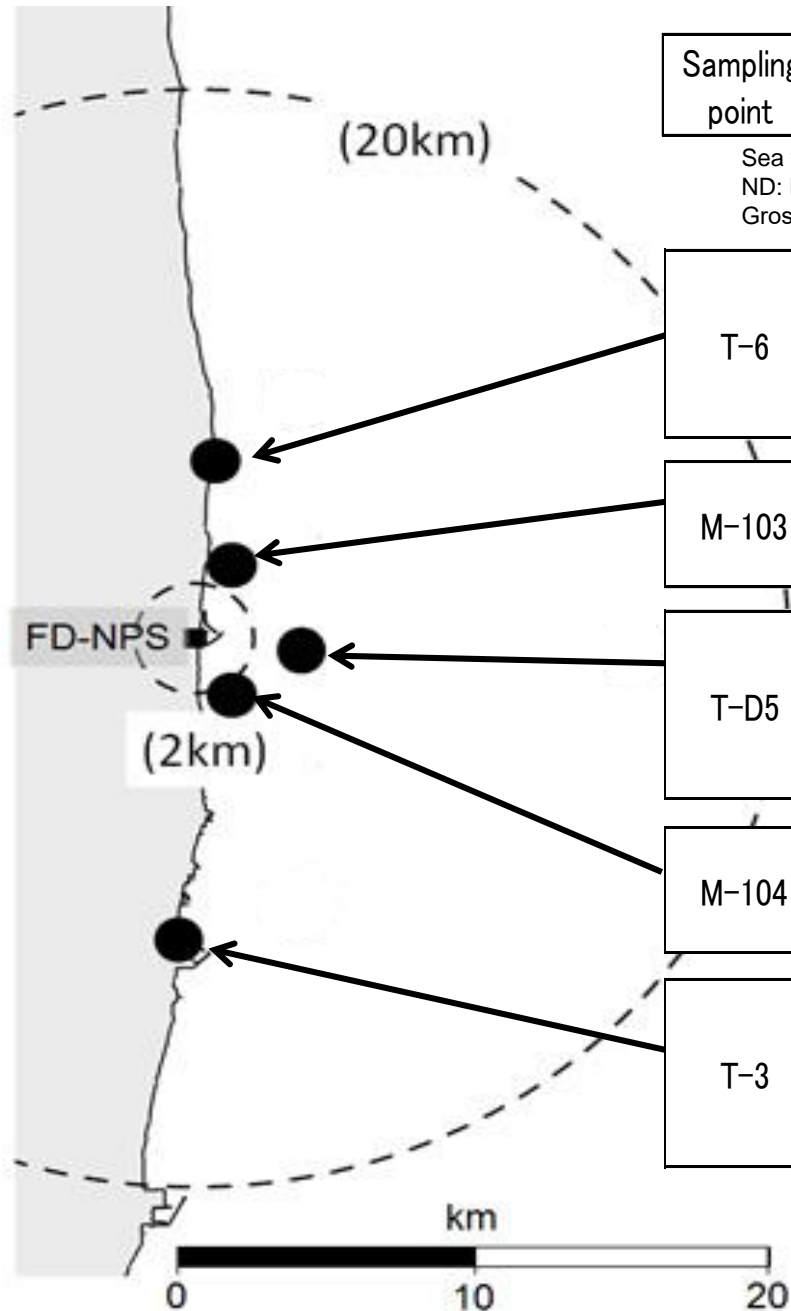
ND: Not detected; Numbers in parentheses: detection limits

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



T-1	2018/1/29	0.0095	0.076	11 ^{*1}	ND(1.6)	/	/	/	/
	2018/2/5	0.0029	0.028	15 ^{*1}	ND(1.6)	0.0010	ND(1.9)	/	/
	2018/2/12	0.0099	0.086	8.7 ^{*1}	ND(1.7)	/	/	/	/
	2018/2/19	0.0026	0.026	9.5 ^{*1}	ND(1.6)	/	/	/	/
	2018/2/26	0.0053	0.044	11 ^{*1}	ND(1.6)	/	/	/	/
M-101	2017/12/7	/	/	/	0.17	0.0018	/	/	/
	2018/1/11	0.0012	0.015	/	0.14	0.0012	/	/	/
F-P03	2017/12/5	0.018	0.14	0.03 ^{*2}	0.43	0.010	/	ND(8×10^{-6})	ND(8×10^{-6})
	2018/1/16	0.002	0.024	0.02 ^{*2}	0.45	0.0019	/	ND(5×10^{-6})	ND(4×10^{-6})
F-P01	2017/12/5	0.003	0.025	0.02 ^{*2}	ND(0.34)	0.0021	/	ND(6×10^{-6})	ND(6×10^{-6})
	2018/1/16	ND(0.002)	0.014	0.03 ^{*2}	0.37	0.0012	/	ND(5×10^{-6})	6×10^{-6}
T-2	2018/1/29	0.016	0.13	11 ^{*1}	ND(1.7)	/	/	/	/
	2018/2/5	0.0075	0.062	11 ^{*1}	ND(1.4)	0.0019	ND(2.0)	/	/
	2018/2/12	0.010	0.083	10 ^{*1}	ND(1.5)	/	/	/	/
	2018/2/19	0.0052	0.042	12 ^{*1}	ND(1.3)	/	/	/	/
	2018/2/26	0.0051	0.042	13 ^{*1}	ND(1.6)	/	/	/	/

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	S
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Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

Gross β * : including K-40

S: 2m below sea level

Depth(m) from sea level

T-6	2018/1/16	0.0028	0.023	ND(13)	ND(0.32)	/	/	S
	2018/2/6	0.0017	0.012	ND(15)	ND(0.37)	/	/	S
	2018/2/20	ND(0.0014)	0.008	ND(16)	ND(0.32)	/	/	S
M-103	2017/10/5	ND(0.00074)	0.0071	/	/	0.00091	/	0.5m
	2017/11/2	0.0035	0.028	/	0.10	0.0014	/	0.5m
T-D5	2018/1/15	ND(0.0014)	0.0061	ND(14)	ND(0.31)	/	/	S
	2018/2/9	ND(0.0013)	0.0045	ND(19)	ND(0.36)	0.0017	ND(2.0)	S
	2018/2/19	ND(0.0014)	0.0032	ND(17)	ND(0.37)	/	/	S
M-104	2017/10/4	0.00083	0.0084	/	/	0.00093	/	0.5m
	2017/11/1	0.0013	0.014	/	0.097	0.0010	/	0.5m
T-3	2018/1/16	0.0039	0.025	ND(15)	ND(0.36)	/	/	S
	2018/2/6	0.0040	0.026	ND(18)	ND(0.31)	/	/	S
	2018/2/20	0.0035	0.023	ND(17)	ND(0.31)	/	/	S

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

Sampling point	Sampling Date	Cs-134	Cs-137	Grossβ *	H-3	Sr-90	S/B
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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	2018/1/30	ND(0.0012)	0.0047				S
		ND(0.0013)	0.0050				B
	2018/2/7	ND(0.0013)	0.0043				S
		ND(0.0015)	0.0040				B

M-C3	2018/1/19	ND(0.00013)	0.0019	0.030	0.061	0.00090	1m
		0.00013	0.0019				50m
		ND(0.000085)	0.0019				120m

M-D3	2018/1/17	ND(0.00013)	0.0018	0.033	0.055	0.00090	1m
		ND(0.000089)	0.0018				100m
		0.000071	0.0016				211m

M-E3	2018/1/17	ND(0.00011)	0.0018	0.031	0.067	0.00087	1m
		ND(0.000083)	0.0019				100m
		0.000092	0.0019				218m

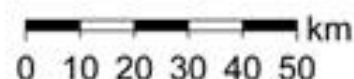
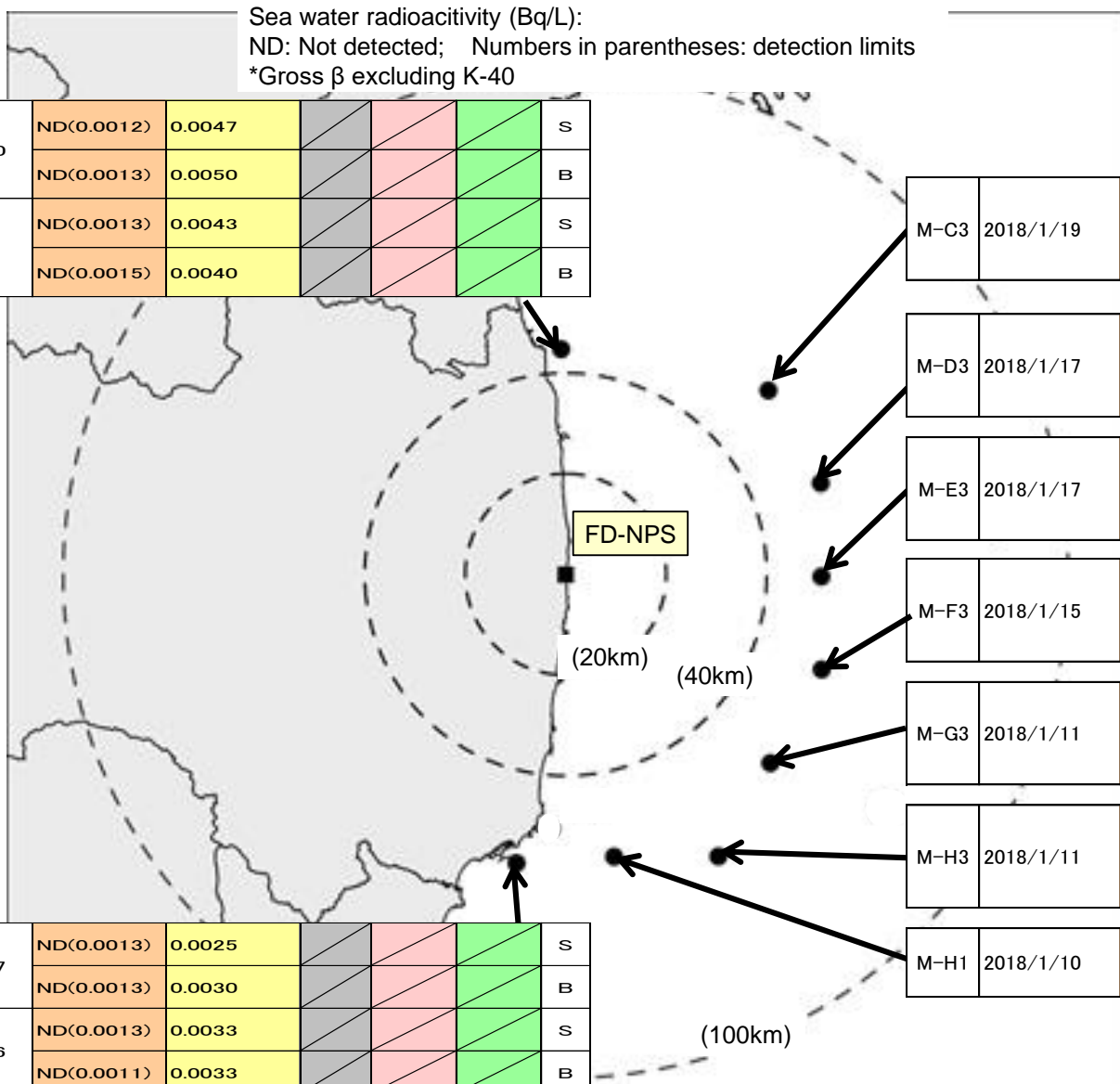
M-F3	2018/1/15	ND(0.00012)	0.0020	0.034	0.042	0.00098	1m
		0.00011	0.0020				100m
		0.000082	0.0017				218m

M-G3	2018/1/11	0.00016	0.0020	0.032	0.056	0.0011	1m
		0.000094	0.0019				100m
		0.00011	0.0018				196m

M-H3	2018/1/11	ND(0.000093)	0.0020	0.030	0.053	0.0010	1m
		ND(0.000086)	0.0019				100m
		0.000092	0.0018				218m

M-H1	2018/1/10	0.00018	0.0022				1m
		0.00011	0.0020				119m

T-18	2018/1/17	ND(0.0013)	0.0025				S
		ND(0.0013)	0.0030				B
	2018/2/16	ND(0.0013)	0.0033				S
		ND(0.0011)	0.0033				B

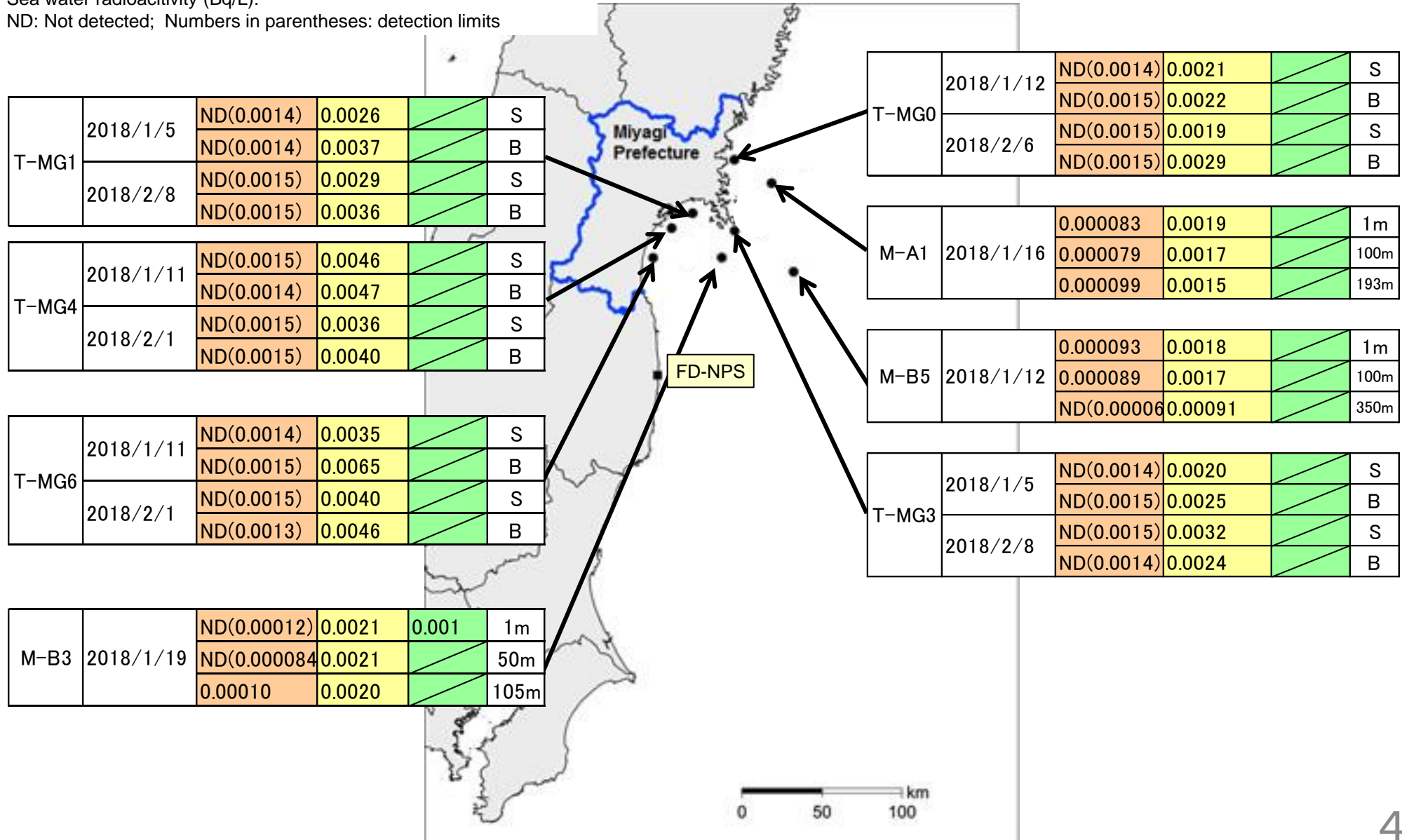


Most recent radioactivity data of sea area along and off the coast of Miyagi Prefecture

Sampling point	Sampling Date	Cs-134	Cs-137	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



Most recent radioactivity data of sea area along and off the coast of Ibaraki Pref. and Chiba Pref.

Ibaraki Pref.
and Chiba Pref.

Sampling point	Sampling Date	Cs-134	Cs-137	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

T-A	2018/1/15	ND(0.87)	ND(1.3)	/	S
		ND(0.86)	ND(1.2)		B
	2018/2/15	ND(0.97)	ND(1.0)	/	S
		ND(0.96)	ND(1.0)		B

T-B	2018/1/17	ND(1.0)	ND(1.1)	/	S
		ND(0.89)	ND(1.1)		B
	2018/2/14	ND(0.81)	ND(1.1)	/	S
		ND(0.93)	ND(1.2)		B

T-C	2018/1/16	ND(0.97)	ND(0.99)	/	S
		ND(0.73)	ND(1.2)		B
	2018/2/15	ND(0.87)	ND(1.0)	/	S
		ND(0.89)	ND(1.0)		B

T-D	2018/1/17	ND(0.75)	ND(1.1)	/	S
		ND(0.89)	ND(1.1)		B
	2018/2/14	ND(0.97)	ND(0.99)	/	S
		ND(0.82)	ND(1.2)		B

M-M1	2018/1/7	0.000093	0.0018	/	1m
		0.000068	0.0020		103m

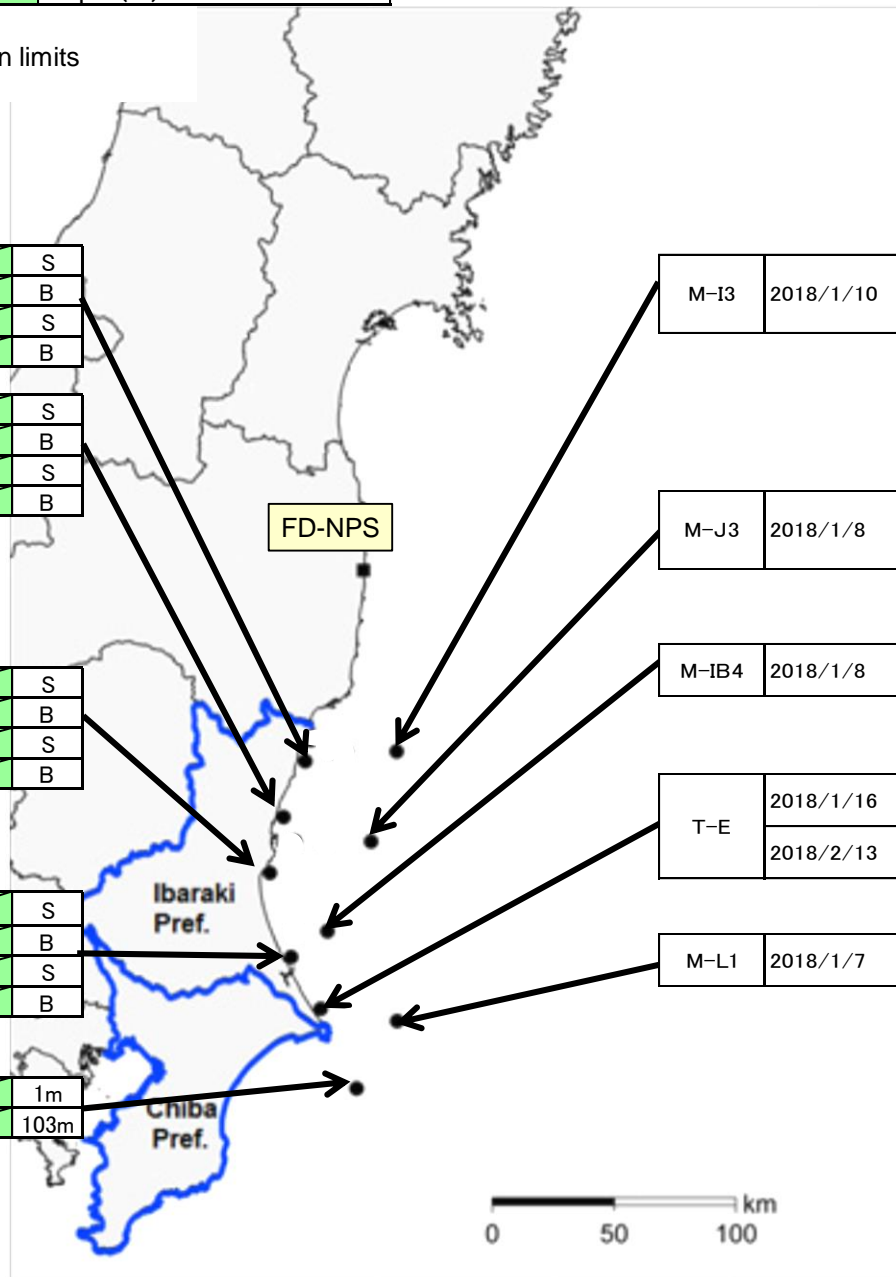
M-I3	2018/1/10	0.00016	0.0022	/	1m
		0.00011	0.0021		100m
		ND(0.000088)	0.0018		174m

M-J3	2018/1/8	0.00014	0.0020	/	1m
		0.000094	0.0020		100m
		ND(0.000051)	0.00068		560m

M-IB4	2018/1/8	0.000093	0.0019	/	1m
		0.00012	0.0021		111m

T-E	2018/1/16	ND(0.87)	ND(1.2)	/	S
		ND(0.82)	ND(1.1)		B
	2018/2/13	ND(0.92)	ND(1.1)	/	S
		ND(1.0)	ND(1.1)		B

M-L1	2018/1/7	0.000084	0.0020	/	1m
		ND(0.000094)	0.0020		31m



Most recent radioactivity data of open sea off the coast of Eastern Japan

Sampling point	Sampling Date	Cs-134	Cs-137	Depth(m) from sea level
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Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

M-10	2017/11/22	ND(0.00072)	0.0021	1m
		ND(0.00066)	0.0024	100m
		ND(0.00069)	0.0024	200m
		ND(0.00063)	0.0017	300m
		ND(0.00066)	0.0011	500m

M-14	2017/12/2	ND(0.00071)	0.0022	1m
		ND(0.00074)	0.0026	100m
		ND(0.00066)	0.0022	200m
		ND(0.00063)	0.0014	300m
		ND(0.00073)	0.00092	500m

M-19	2017/11/25	ND(0.00064)	0.0025	1m
		ND(0.00055)	0.0021	100m
		ND(0.00058)	0.0025	200m
		ND(0.00058)	0.0020	300m
		ND(0.00055)	0.00087	500m

M-20	2017/11/25	ND(0.00070)	0.0017	1m
		ND(0.00070)	0.0026	100m
		ND(0.00080)	0.0025	200m
		ND(0.00074)	0.0012	300m
		ND(0.00074)	0.0012	500m

M-25	2017/12/3	ND(0.00051)	0.0017	1m
		ND(0.00051)	0.0019	100m
		ND(0.00056)	0.0026	200m
		ND(0.00057)	0.0028	300m
		ND(0.00061)	0.0013	500m

M-11	2017/11/22	ND(0.00069)	0.0028	1m
		ND(0.00065)	0.0026	100m
		ND(0.00071)	0.0031	200m
		ND(0.00073)	0.0026	300m
		ND(0.00068)	0.0022	500m

M-15	2017/12/7	ND(0.00062)	0.0023	1m
		ND(0.00058)	0.0027	100m
		ND(0.00053)	0.0021	200m
		ND(0.00065)	0.00094	300m
		ND(0.00061)	0.00064	500m

M-21	2017/11/28	ND(0.00062)	0.0018	1m
		ND(0.00060)	0.0019	100m
		ND(0.00060)	0.0017	200m
		ND(0.00069)	0.0015	300m
		ND(0.00067)	0.0008	500m

M-27	2017/12/4	ND(0.00069)	0.0020	1m
		ND(0.00060)	0.0018	100m
		ND(0.00062)	0.0029	200m
		ND(0.00066)	0.0033	300m
		ND(0.00061)	0.0023	500m

M-26	2017/12/4	ND(0.00068)	0.0018	1m
		ND(0.00056)	0.0016	100m
		ND(0.00056)	0.0022	200m
		ND(0.00057)	0.0030	300m
		ND(0.00064)	0.0021	500m

