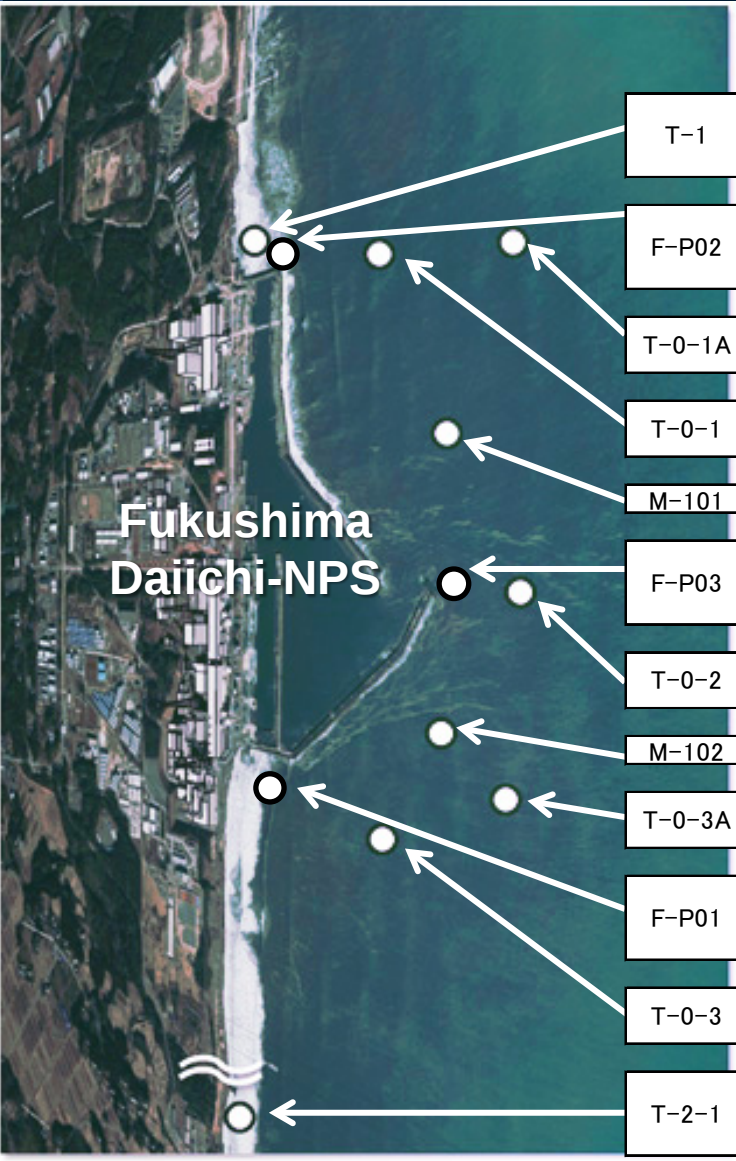


Sea Area Monitoring

May 13 , 2014

Nuclear Regulation Authority (NRA), Japan

Sea area within 2km radius from the NPS



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

ND: under detection limits; Numbers in parentheses: detection limits

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

T-1	2014/4/28	ND(0.74)	ND(0.56)	13 ^{*1}	In progress				
	2014/3/10	ND(0.78)	0.77	13 ^{*1}	4.4	0.69	ND(1.5)		
	2014/3/4	ND(0.76)	0.71					ND(8.3×10^{-6})	ND(8.1×10^{-6})
F-P02	2014/4/14	ND(0.060)	ND(0.052)	0.04 ^{*2}	In progress	In progress		In progress	In progress
	2014/3/10	ND(0.067)	0.085	0.04 ^{*2}	ND(0.31)	In progress		In progress	In progress
	2014/2/3	0.084	0.19	0.08 ^{*2}	0.47	0.063		ND(6×10^{-6})	ND(8×10^{-6})
T-0-1A	2014/4/28	ND(0.90)	ND(0.81)	ND(16) ^{*1}	In progress				
	2014/4/23	ND(0.76)	ND(0.62)	ND(15) ^{*1}	1.7				
T-0-1	2014/4/28	ND(0.62)	ND(0.71)	ND(16) ^{*1}	In progress				
	2014/4/23	ND(0.64)	ND(0.45)	ND(15) ^{*1}	3.9				
M-101	2014/1/15	0.030	0.078		0.17	0.022			
F-P03	2014/4/14	ND(0.069)	ND(0.053)	0.03 ^{*2}	In progress	In progress		In progress	In progress
	2014/3/10	ND(0.065)	0.15	0.07 ^{*2}	ND(0.031)	In progress		In progress	In progress
	2014/2/3	0.54	1.3	0.68 ^{*2}	3.4	1.1		ND(6×10^{-6})	6×10^{-6}
T-0-2	2014/4/28	ND(0.77)	ND(0.64)	ND(16) ^{*1}	In progress				
	2014/4/23	ND(0.73)	ND(0.64)	ND(15) ^{*1}	3.2				
M-102	2014/1/16	0.054	0.13		0.47	0.063			
T-0-3A	2014/4/28	ND(0.71)	ND(0.72)	ND(16) ^{*1}	In progress				
	2014/4/23	ND(0.80)	ND(0.64)	ND(15) ^{*1}	ND(1.6)				
F-P01	2014/4/14	ND(0.065)	0.078	0.04 ^{*2}	In progress	In progress		In progress	In progress
	2014/3/10	ND(0.069)	0.14	0.06 ^{*2}	0.40	In progress		In progress	In progress
	2014/2/3	ND(0.070)	0.20	0.05 ^{*2}	0.48	0.046		ND(6×10^{-6})	ND(6×10^{-6})
T-0-3	2014/4/28	ND(0.58)	ND(0.73)	ND(16) ^{*1}	In progress				
	2014/4/23	ND(0.67)	ND(0.57)	ND(15) ^{*1}	2.8				
T-2-1	2014/4/28	ND(0.57)	ND(0.62)	11 ^{*1}	In progress				
	2014/3/10	ND(0.55)	ND(0.70)	13 ^{*1}	ND(1.4)	0.032	ND(1.5)		
	2014/3/4	ND(0.73)	ND(0.76)	11 ^{*1}				ND(5.9×10^{-6})	(3.0 ± 0.41) $\times 10^{-5}$

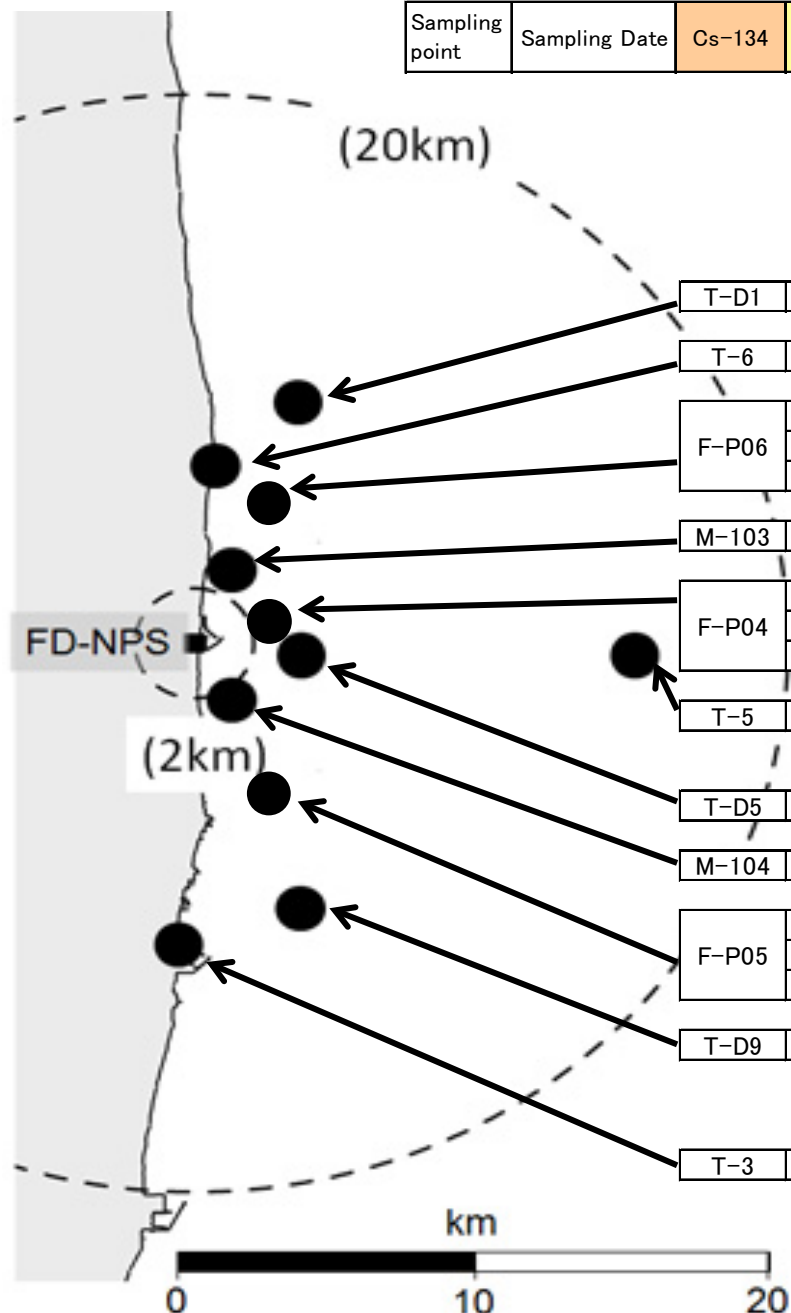
Sea area between 2-20km radius from the NPS (1)

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

Sea water radioactivity (Bq/L):

ND: under detection limits; Numbers in parentheses: detection limits

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



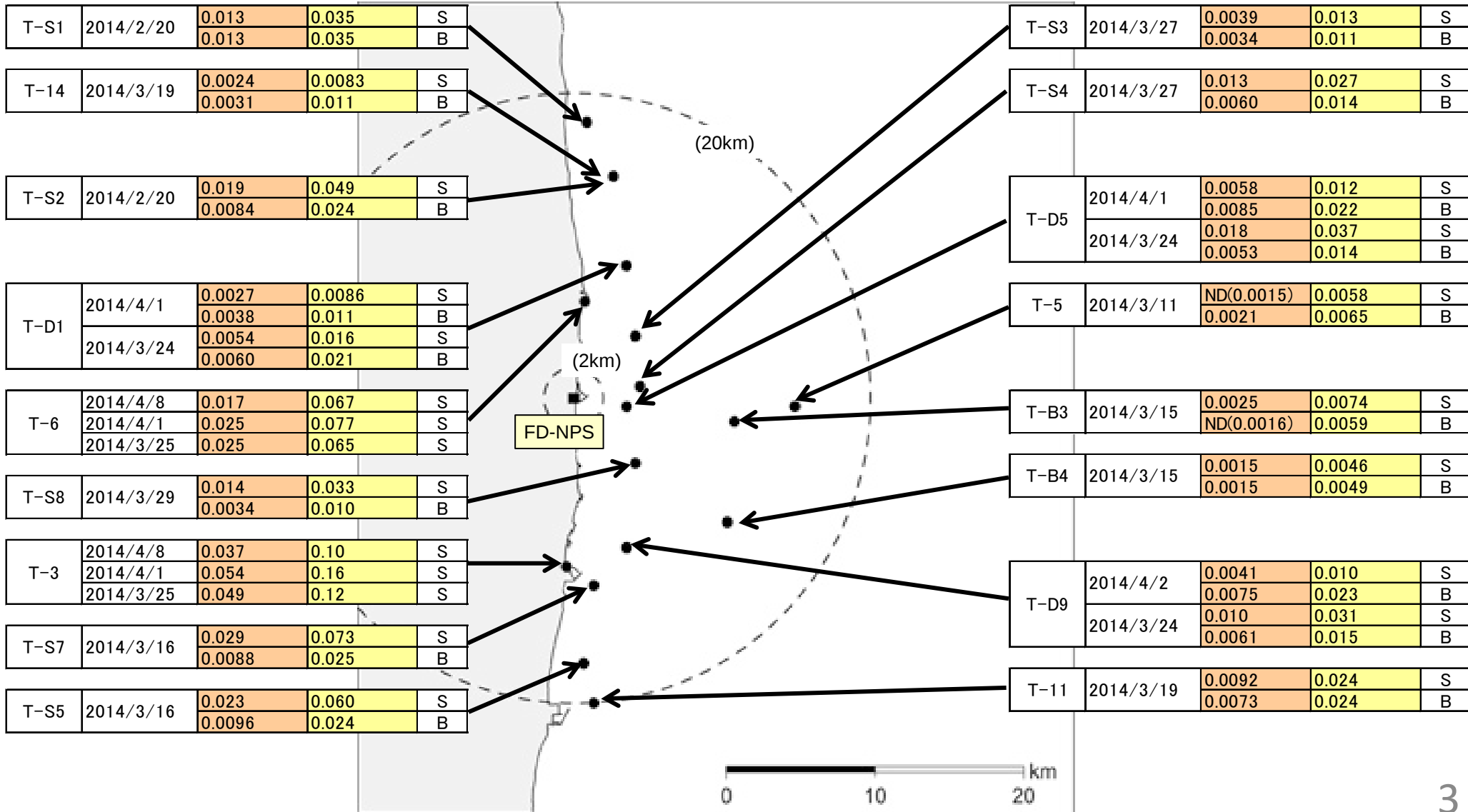
T-D1	2014/3/4	0.0039	0.015	ND(15)* ¹	ND(0.29)	ND(0.0090)	ND(1.9)	ND(7.3 × 10 ⁻⁶)	(7.8 ± 2.4) × 10 ⁻⁶	S
T-6	2014/3/11	0.019	0.053	ND(17)* ¹	ND(0.29)					S
F-P06	2014/4/14	ND(0.058)	ND(0.047)	0.03* ²	In progress	In progress		In progress	In progress	S
	2014/3/10	ND(0.058)	ND(0.049)	0.03* ²	ND(0.30)	In progress		In progress	In progress	S
	2014/2/3	ND(0.057)	0.17	0.07* ²	0.39	0.084		ND(8 × 10 ⁻⁶)	7 × 10 ⁻⁶	S
M-103	2014/1/15	0.016	0.040		0.058	0.0053				0.5m
F-P04	2014/4/14	ND(0.072)	ND(0.051)	0.03* ²	In progress	In progress		In progress	In progress	S
	2014/3/10	ND(0.067)	ND(0.061)	0.03* ²	ND(0.31)	In progress		In progress	In progress	S
	2014/2/3	ND(0.071)	0.088	0.04* ²	ND(0.32)	0.014		ND(7 × 10 ⁻⁶)	ND(7 × 10 ⁻⁶)	S
T-5	2014/3/5	0.0016	0.0042	ND(15)* ¹	ND(0.29)	ND(0.0090)	ND(1.9)	ND(7.6 × 10 ⁻⁶)	ND(7.3 × 10 ⁻⁶)	S
T-D5	2014/3/4	0.0073	0.018	ND(15)* ¹	ND(0.29)	ND(0.0090)	ND(1.9)	ND(7.8 × 10 ⁻⁶)	ND(8.4 × 10 ⁻⁶)	S
M-104	2014/1/16	0.024	0.062		0.12	0.019				0.5m
F-P05	2014/4/14	ND(0.058)	ND(0.060)	0.03* ²	In progress	In progress		In progress	In progress	S
	2014/3/10	ND(0.057)	ND(0.056)	0.03* ²	ND(0.31)	In progress		In progress	In progress	S
	2014/2/3	ND(0.058)	0.068	0.04* ²	ND(0.32)	0.007		ND(8 × 10 ⁻⁶)	ND(9 × 10 ⁻⁶)	S
T-D9	2014/3/3	0.0058	0.014	ND(15)* ¹	ND(0.29)	ND(0.0080)	ND(1.9)	ND(7.1 × 10 ⁻⁶)	(7.6 ± 2.2) × 10 ⁻⁶	S
T-3	2014/3/4	0.050	0.14	ND(17)* ¹	ND(0.29)					S

Sea area between 2-20km radius from the NPS (2)

Sampling point	Sampling Date	Cs-134	Cs-137	S/B	S:2m below sea level B:2-3m above sea bottom
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Sea water radioactivity (Bq/L):

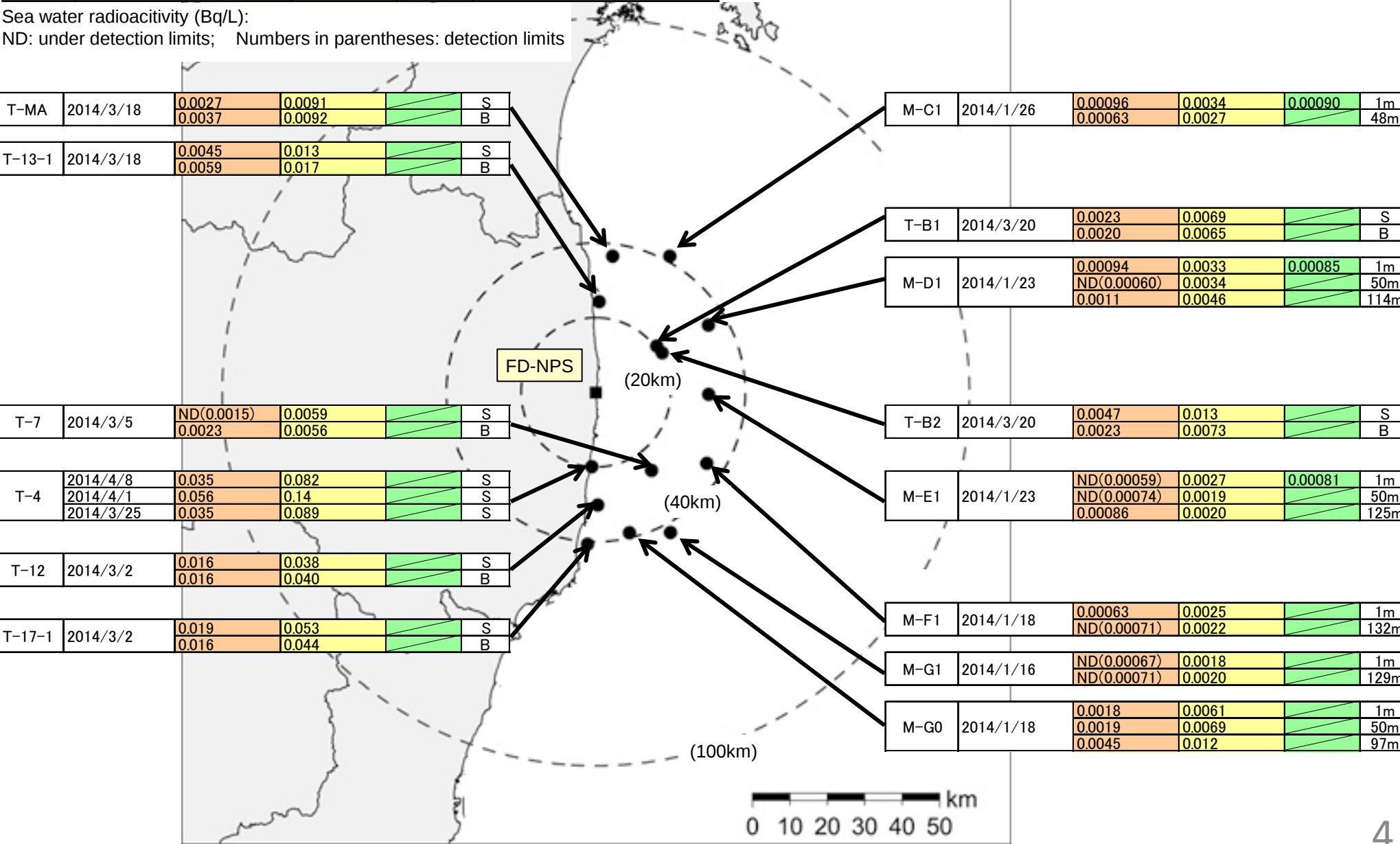
ND: under detection limits; Numbers in parentheses: detection limits



Sea area between 20-100km radius from the NPS(1)

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: under detection limits; Numbers in parentheses: detection limits



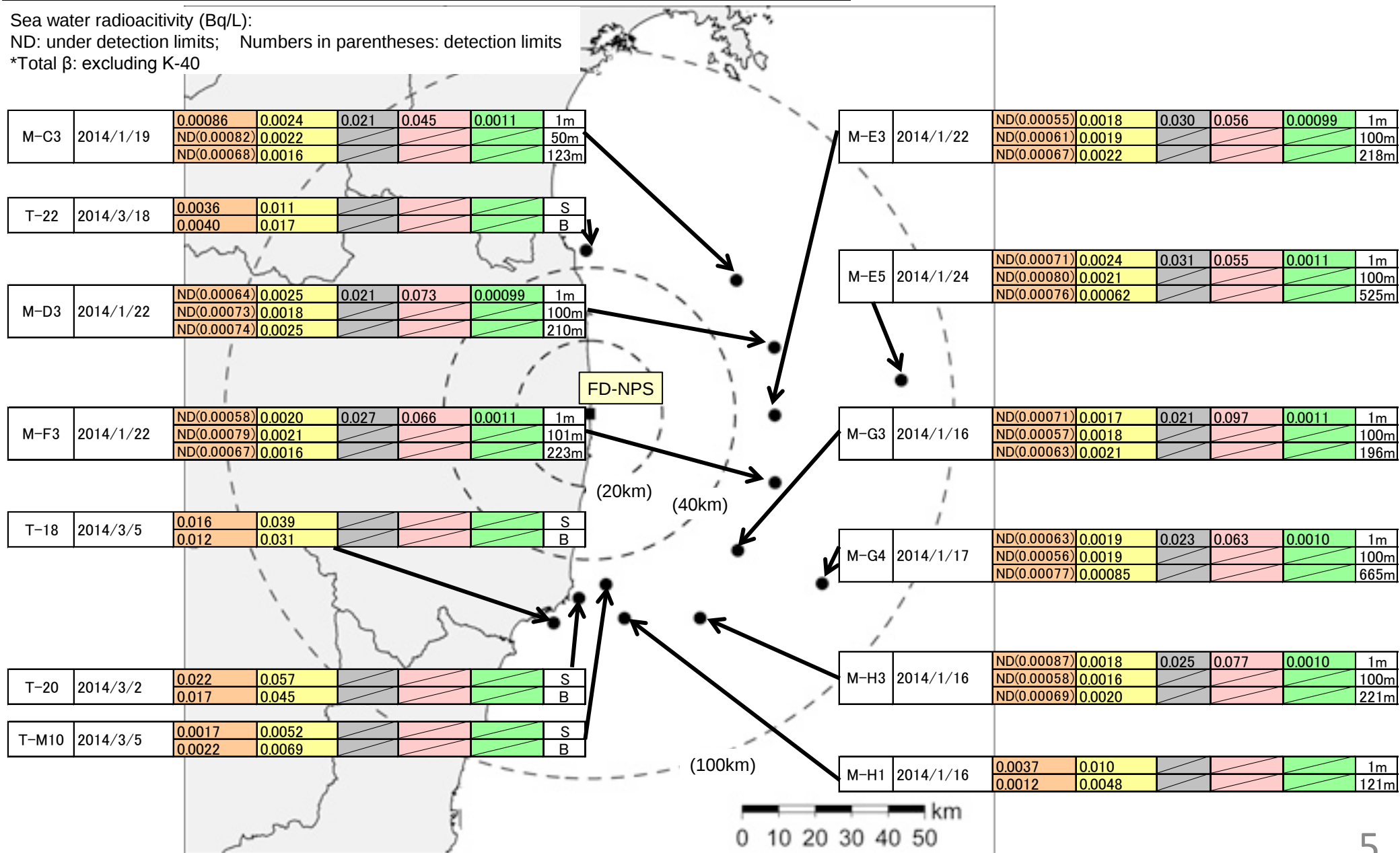
Sea area between 20-100km radius from the NPS(2)

Sampling point	Sampling Date	Cs-134	Cs-137	Total β^*	H-3	Sr-90	S/B: 2m below sea level B: 2-3m above sea bottom Depth(m) from sea level
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Sea water radioactivity (Bq/L):

ND: under detection limits; Numbers in parentheses: detection limits

*Total β : excluding K-40



Sea area along and off the coast of Miyagi Prefecture

Sampling point	Sampling Date	Cs-134	Cs-137	Sr-90	S/M/B
					Depth(m) from sea level

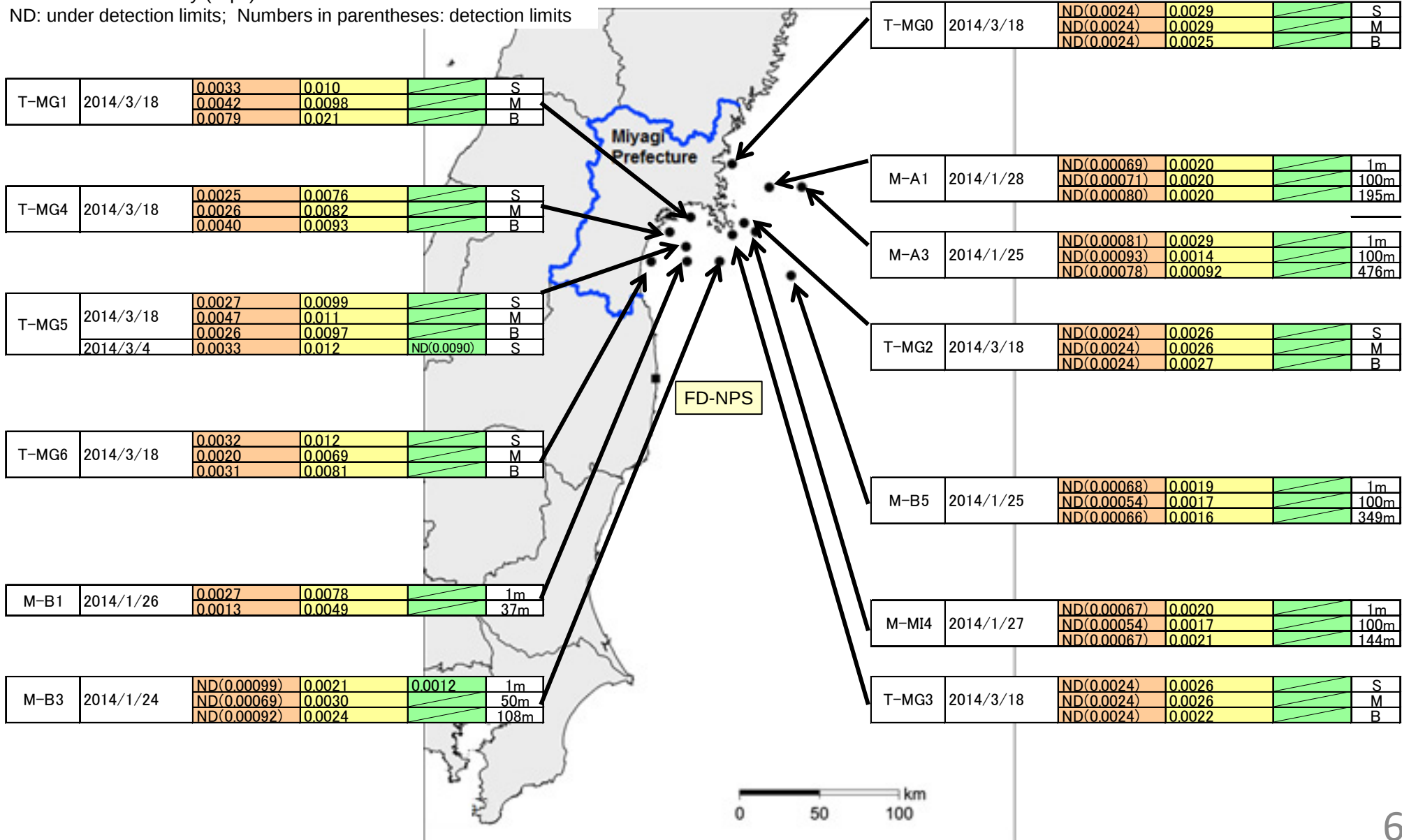
S:2m below sea level

M:between 2m below sea level and 2-3m above sea bottom

B:2-3m above sea bottom

Sea water radioactivity (Bq/L):

ND: under detection limits; Numbers in parentheses: detection limits



Sea area along and off the coast of 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: under detection limits; Numbers in parentheses: detection limits

T-Z	2014/3/10	ND(1.2)	ND(1.3)		S
		ND(1.2)	ND(1.3)		B

T-A	2014/3/10	ND(1.2)	ND(1.3)		S
		ND(1.2)	ND(1.3)		B

T-B	2014/3/12	ND(1.2)	ND(1.3)		S
		ND(1.2)	ND(1.3)		B

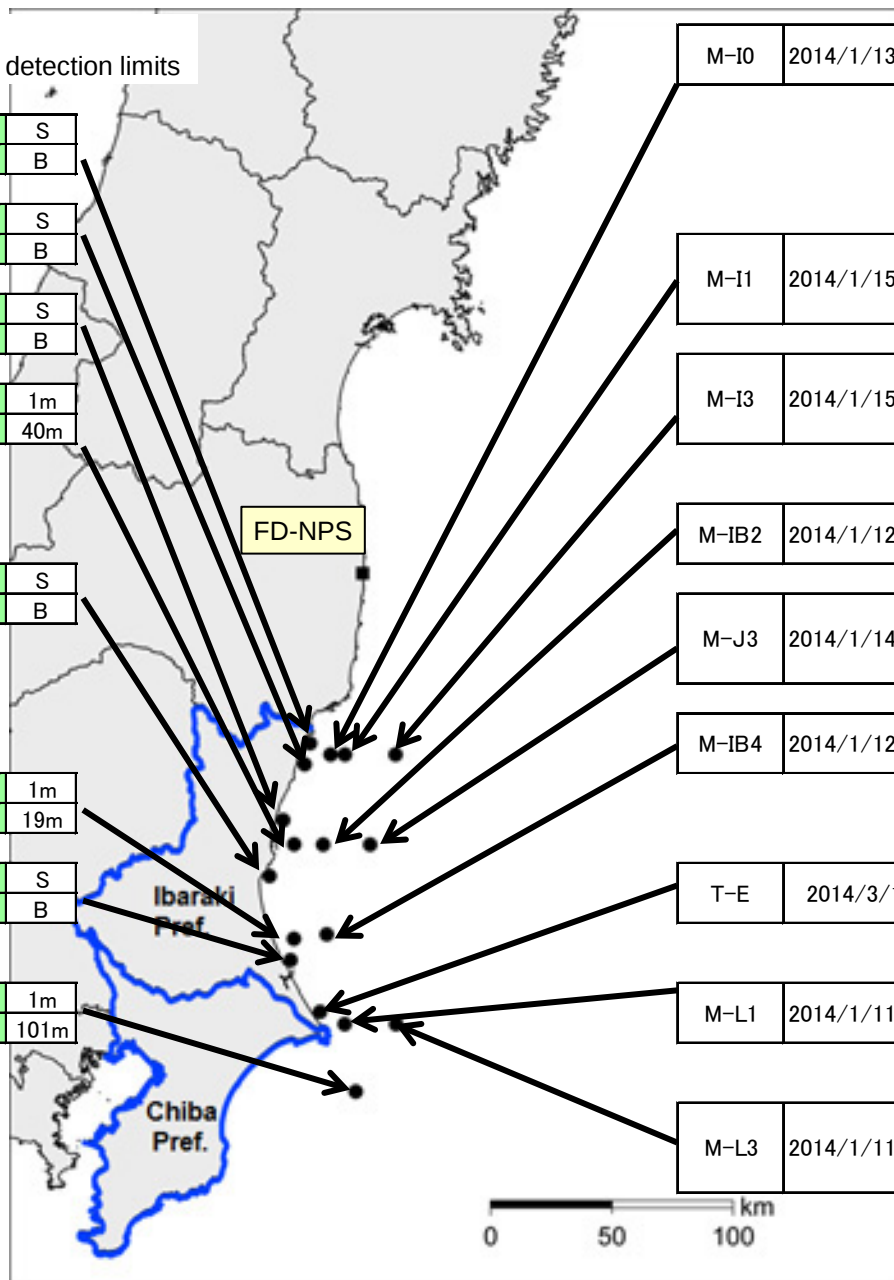
M-J1	2014/1/13	0.0027	0.0076	0.00079	1m
		0.0026	0.0082		40m

T-C	2014/3/12	ND(1.2)	ND(1.3)	ND(0.0090)	S
		ND(1.2)	ND(1.3)		B

M-K1	2014/1/12	0.00077	0.0039		1m
		0.0015	0.0040		19m

T-D	2014/3/11	ND(1.2)	ND(1.3)		S
		ND(1.2)	ND(1.3)		B

M-M1	2014/1/11	ND(0.00092)	0.0029		1m
		ND(0.00073)	0.0038		101m



M-I0	2014/1/13	0.0043	0.014		1m
		0.0054	0.013		63m

M-I1	2014/1/15	0.0043	0.011		1m
		0.0050	0.013		50m
		0.0060	0.015		90m

M-I3	2014/1/15	0.00099	0.0040		1m
		0.0013	0.0040		100m
		0.0012	0.0043		175m

M-IB2	2014/1/12	0.00092	0.0029	0.0011	1m
		0.0047	0.012		104m

M-J3	2014/1/14	ND(0.00069)	0.0023		1m
		ND(0.00068)	0.0025		100m
		ND(0.00061)	0.0011		560m

M-IB4	2014/1/12	ND(0.00089)	0.0031		1m
		0.00099	0.0029		107m

T-E	2014/3/11	ND(1.2)	ND(1.3)		S
		ND(1.2)	ND(1.3)		B

M-L1	2014/1/11	ND(0.00089)	0.0024		1m
		0.0012	0.0030		35m

M-L3	2014/1/11	ND(0.00083)	0.0023		1m
		ND(0.00091)	0.0029		100m
		0.00088	0.0027		156m

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: under detection limits; Numbers in parentheses: detection limits

M-10	2013/10/19	ND(0.00080)	0.0026	1m
		ND(0.00079)	0.0029	100m
		ND(0.00056)	0.0018	200m
		ND(0.00064)	0.0012	300m
		ND(0.00071)	0.00080	500m

M-14	2013/10/28	ND(0.00078)	0.0025	1m
		ND(0.00069)	0.0018	100m
		ND(0.00058)	0.0016	200m
		ND(0.00058)	0.0016	300m
		ND(0.00065)	0.00091	500m

M-19	2013/10/30	ND(0.00082)	0.0018	1m
		ND(0.00069)	0.0025	100m
		ND(0.00058)	0.0021	200m
		ND(0.00069)	0.0015	300m
		ND(0.00066)	0.00093	500m

M-20	2013/10/30	ND(0.00060)	0.0017	1m
		ND(0.00071)	0.0022	100m
		0.0014	0.0050	200m
		ND(0.00089)	0.0038	300m
		ND(0.00060)	0.0014	500m

M-25	2013/10/31	ND(0.00080)	0.0014	1m
		ND(0.00065)	0.0019	100m
		0.00084	0.0034	200m
		0.0025	0.0068	300m
		ND(0.00057)	0.0022	500m

M-11	2013/10/19	ND(0.00064)	0.0022	1m
		0.0020	0.0061	100m
		0.00071	0.0029	200m
		ND(0.00077)	0.0025	300m
		ND(0.00054)	0.0013	500m

M-15	2013/10/29	ND(0.00069)	0.0019	1m
		0.00091	0.0018	100m
		ND(0.00070)	0.0019	200m
		ND(0.00050)	0.0018	300m
		ND(0.00057)	0.00065	500m

M-21	2013/10/29	ND(0.00083)	0.0017	1m
		ND(0.00060)	0.0015	100m
		0.00097	0.0039	200m
		0.00078	0.0028	300m
		ND(0.00072)	0.0011	500m

M-26	2013/10/31	ND(0.00085)	0.0024	1m
		ND(0.00068)	0.0026	100m
		0.0012	0.0038	200m
		0.0022	0.0061	300m
		ND(0.00081)	0.0034	500m

M-27	2013/11/1	ND(0.00068)	0.0021	1m
		ND(0.00060)	0.0016	100m
		0.00083	0.0029	200m
		0.0015	0.0047	300m
		0.0011	0.0038	500m

