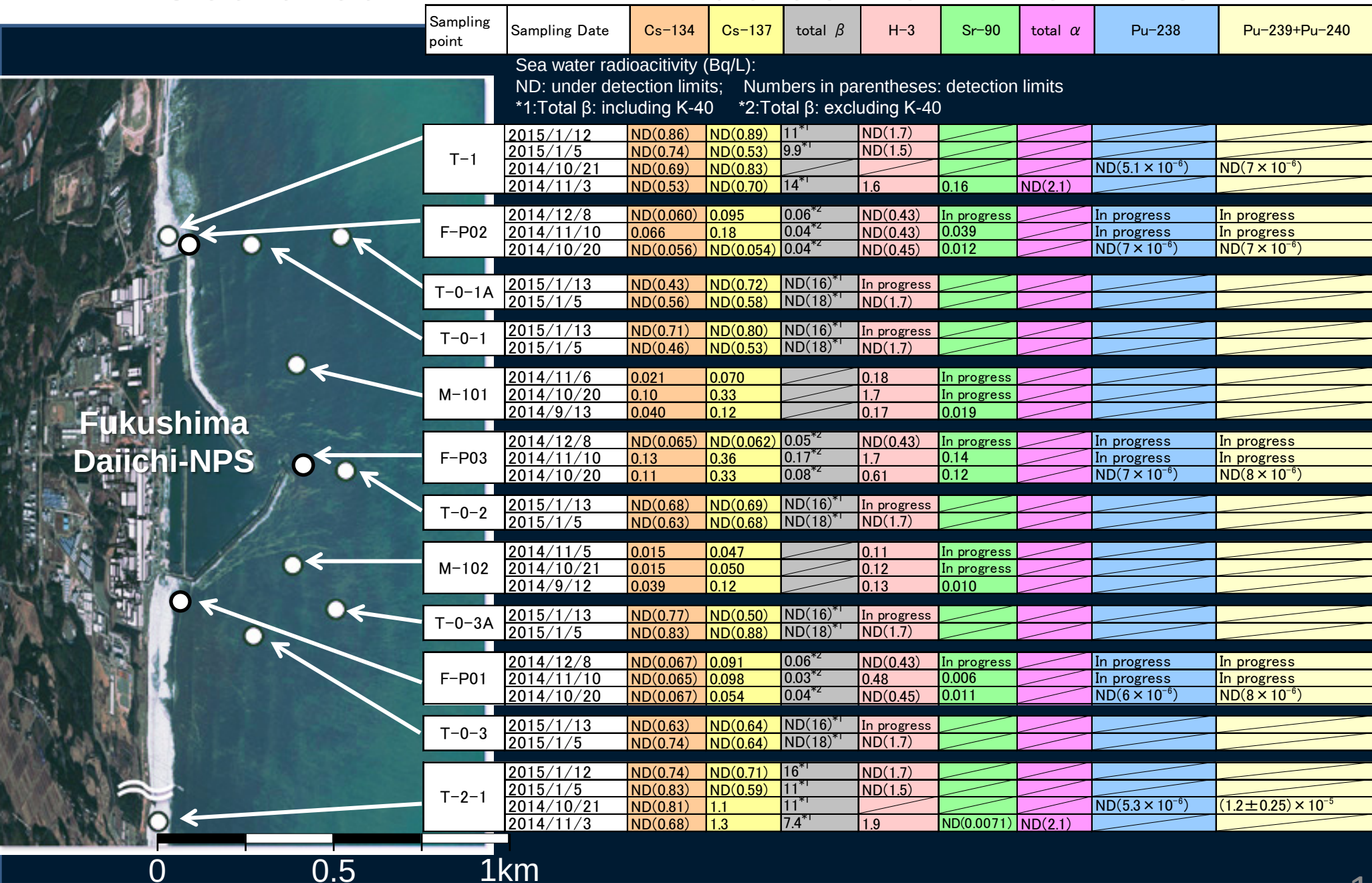


Sea Area Monitoring

January 27, 2015

Nuclear Regulation Authority (NRA), Japan

Sea area within 2km radius from the NPS



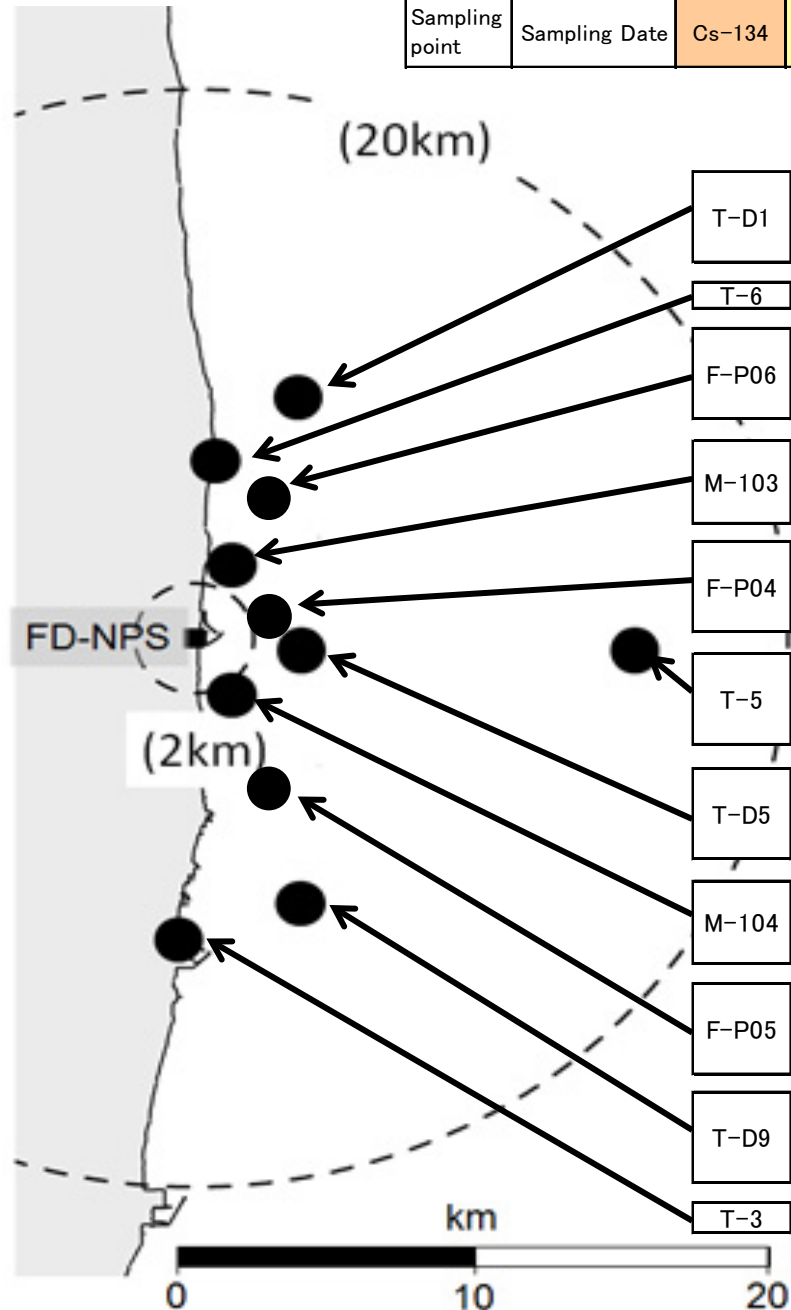
Sea area between 2-20km radius from the NPS (1)

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



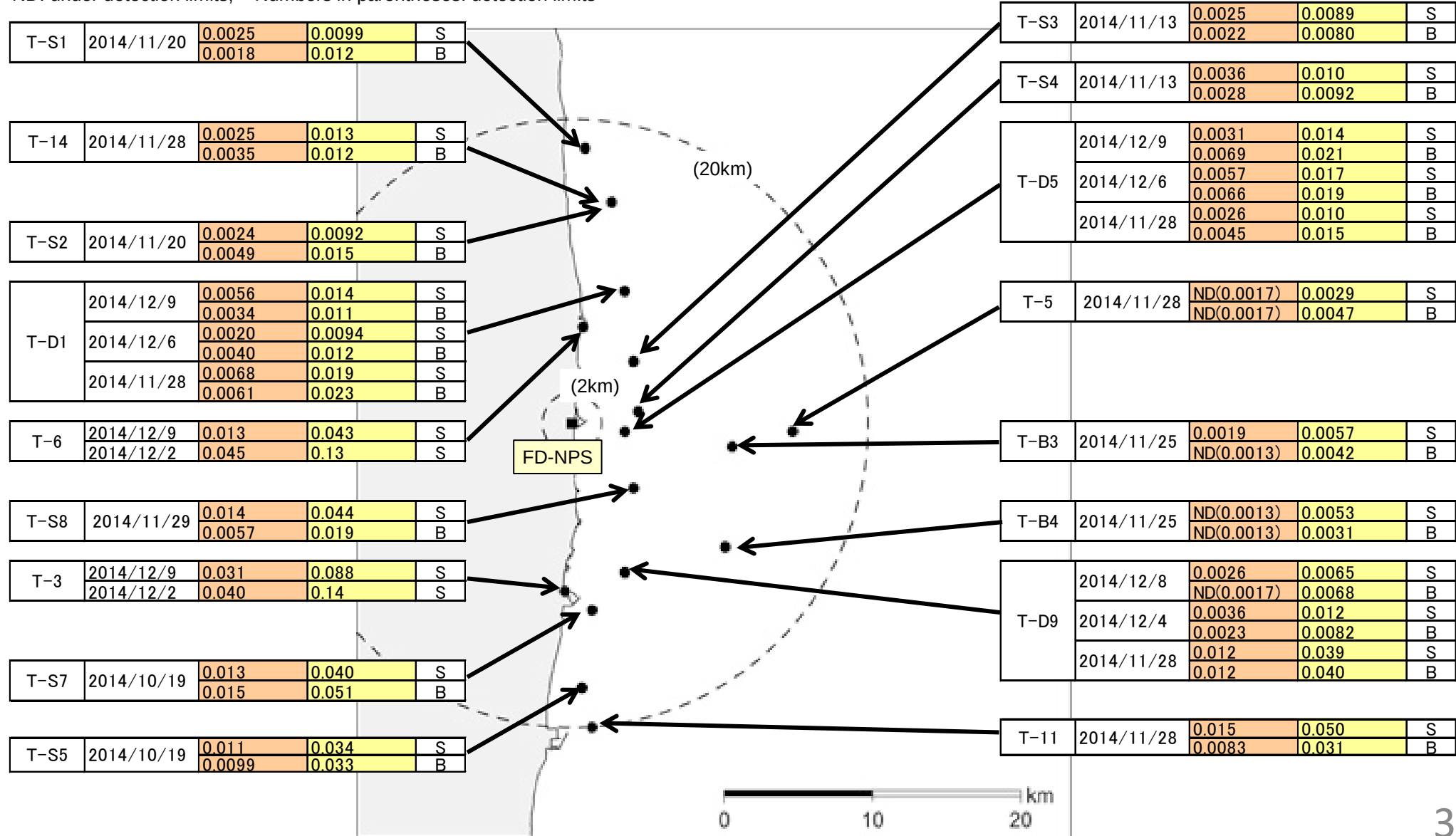
T-D1	2014/11/17	0.0025	0.012	ND(17)*1	0.44					S
	2014/11/11	0.0091	0.031	ND(17)*1	0.40	ND(0.009)	ND(2.0)			S
	2014/10/8	0.022	0.070					ND(6.2×10^{-6})	(5.5 ± 1.7) $\times 10^{-6}$	S
T-6	2014/11/18	0.026	0.075	ND(16)*1	0.46					S
F-P06	2014/12/8	ND(0.070)	ND(0.064)	0.03*2	ND(0.43)	In progress		In progress	In progress	S
	2014/11/10	ND(0.065)	ND(0.065)	0.03*2	ND(0.43)	0.001		In progress	In progress	S
	2014/10/20	ND(0.056)	ND(0.049)	0.03*2	ND(0.45)	0.001		ND(6×10^{-6})	ND(6×10^{-6})	S
M-103	2014/11/6	0.0094	0.035		0.12	In progress				0.5m
	2014/10/20	0.0068	0.020		0.10	In progress				0.5m
	2014/9/13	0.016	0.052		0.10	0.0011				0.5m
F-P04	2014/12/8	ND(0.058)	0.13	0.04*2	ND(0.43)	In progress		In progress	In progress	S
	2014/11/10	ND(0.080)	ND(0.054)	0.03*2	ND(0.42)	0.005		In progress	In progress	S
	2014/10/20	ND(0.062)	0.092	0.03*2	ND(0.45)	0.016		ND(6×10^{-6})	ND(6×10^{-6})	S
T-5	2014/11/17	ND(0.0012)	0.0024	ND(17)*1	ND(0.32)					S
	2014/11/4	ND(0.0013)	0.0074	ND(17)*1	ND(0.34)	ND(0.009)	ND(2.0)			S
	2014/10/18	ND(0.0013)	0.0026					ND(5.4×10^{-6})	(6.6 ± 1.8) $\times 10^{-6}$	S
T-D5	2014/11/17	0.0041	0.013	ND(17)*1	ND(0.32)					S
	2014/11/11	0.0083	0.027	ND(17)*1	0.43	ND(0.009)	ND(2.0)			S
	2014/10/8	0.024	0.067					ND(6.1×10^{-6})	(8.4 ± 2.2) $\times 10^{-6}$	S
M-104	2014/11/5	0.0096	0.035		0.12	In progress				0.5m
	2014/10/21	0.014	0.045		0.098	In progress				0.5m
	2014/9/12	0.030	0.094		0.15	0.0069				0.5m
F-P05	2014/12/8	ND(0.057)	ND(0.065)	0.03*2	ND(0.44)	In progress		In progress	In progress	S
	2014/11/10	ND(0.066)	ND(0.060)	0.03*2	ND(0.42)	0.004		In progress	In progress	S
	2014/10/20	ND(0.062)	ND(0.058)	0.03*2	ND(0.45)	0.003		ND(7×10^{-6})	ND(7×10^{-6})	S
T-D9	2014/11/17	ND(0.0017)	0.0048	ND(17)*1	ND(0.32)					S
	2014/11/4	0.0032	0.011	ND(17)*1	ND(0.34)	ND(0.009)	ND(2.0)			S
	2014/10/18	0.012	0.036					ND(4.8×10^{-6})	(5.0 ± 1.6) $\times 10^{-6}$	S
T-3	2014/11/18	0.025	0.070	ND(16)*1	0.48					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				

Sea water radioactivity (Bq/L):

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

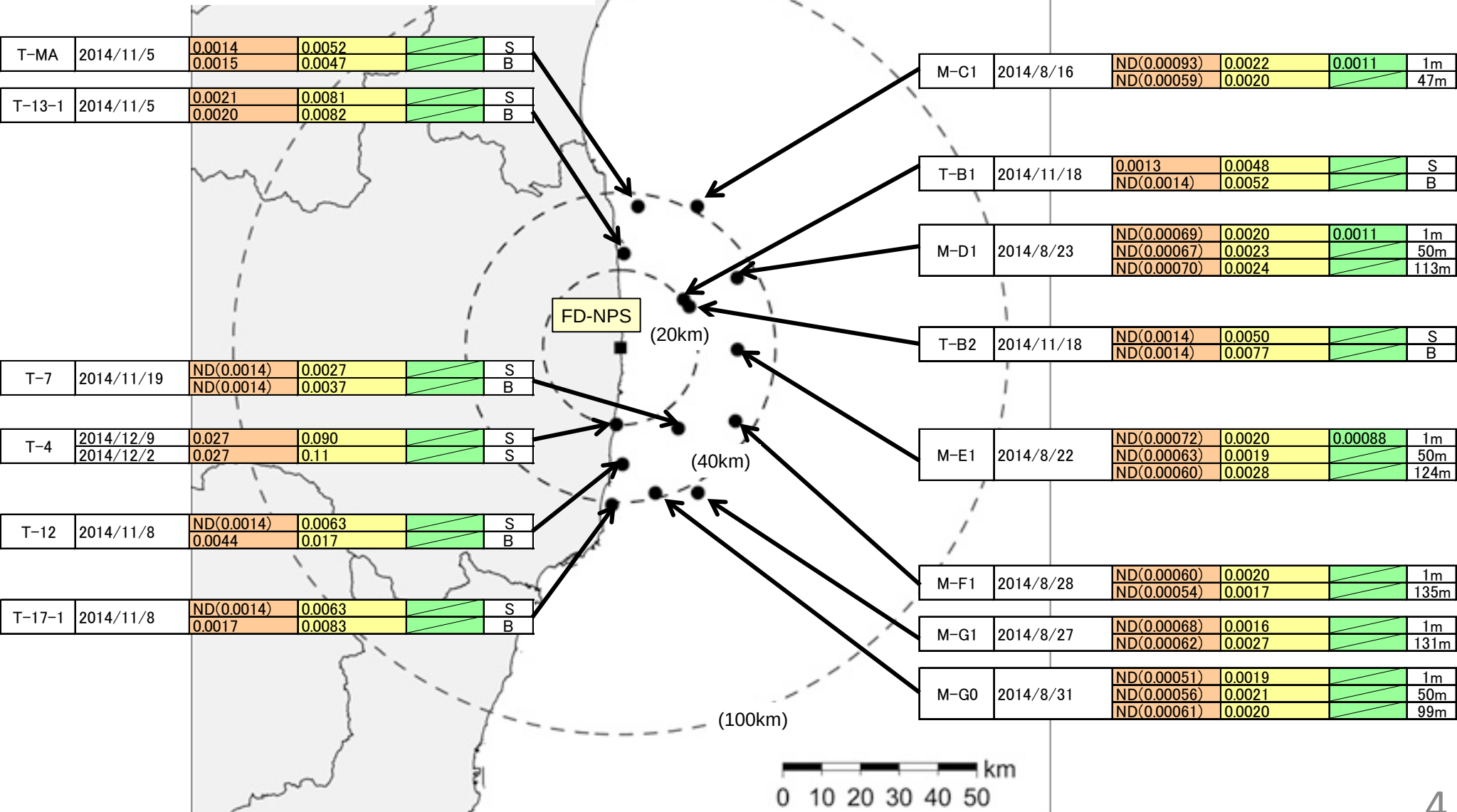


Sea area between 20-100km radius from the NPS(1)

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
							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

*Total β : excluding K-40

M-C3	2014/11/10	In progress	In progress	0.026	0.088	In progress	1m
		ND(0.00069)	0.0020	0.021	0.10	0.00079	1m
	2014/8/16	ND(0.00066)	0.0018				50m
		ND(0.00072)	0.0014				124m

T-22	2014/11/5	0.0021	0.0087				S
		0.0026	0.0090				B

M-D3	2014/11/9	In progress	In progress	0.035	0.093	In progress	1m
		ND(0.00058)	0.0018	0.025	0.10	0.00082	1m
	2014/8/23	ND(0.00074)	0.0019				100m
		ND(0.00082)	0.0015				214m

M-F3	2014/11/8	In progress	In progress	0.026	0.076	In progress	1m
		ND(0.00054)	0.0012	0.026	0.098	0.00071	1m
	2014/8/21	ND(0.00067)	0.0015				100m
		ND(0.00064)	0.0013				224m

T-18	2014/11/19	ND(0.0014)	0.0034				S
		ND(0.0014)	0.0053				B

T-20	2014/11/8	ND(0.0014)	0.0040				S
		ND(0.0014)	0.0040				B

T-M10	2014/11/19	ND(0.0014)	0.0023				S
		ND(0.0014)	0.0039				B

M-E3	2014/11/9	In progress	In progress	0.026	0.096	In progress	1m
		ND(0.00067)	0.0026	0.029	0.073	0.00085	1m
	2014/8/21	ND(0.00065)	0.0016				100m
		ND(0.00059)	0.0015				220m

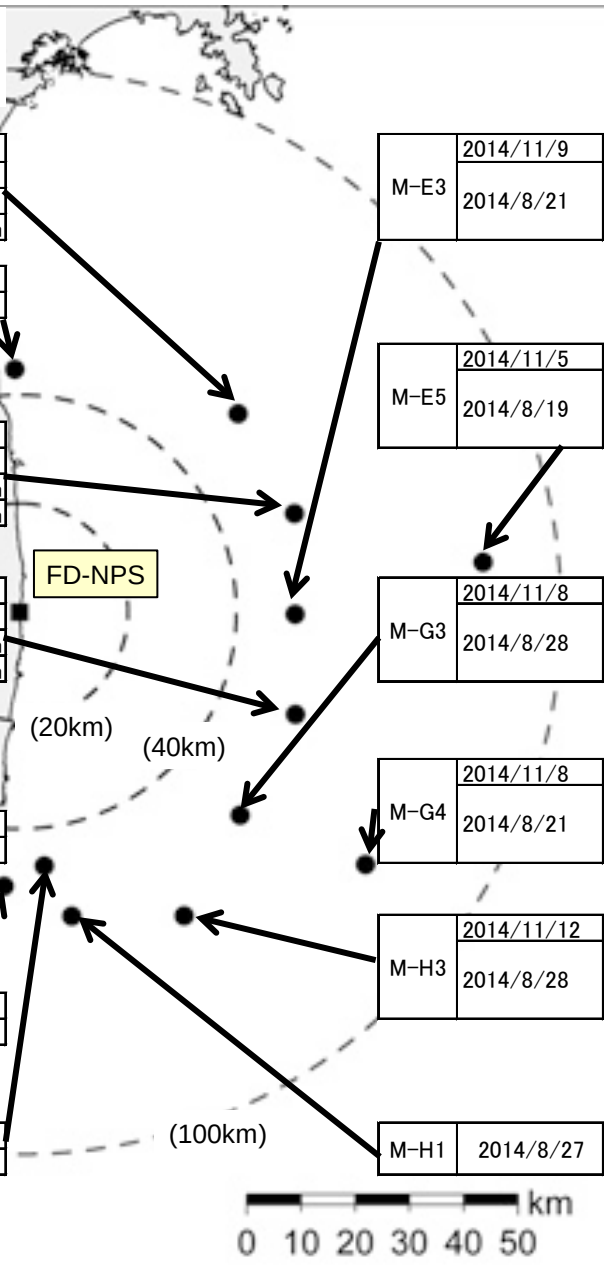
M-E5	2014/11/5	In progress	In progress	0.031	0.078	In progress	1m
		ND(0.00058)	0.0013	0.025	0.095	0.00079	1m
	2014/8/19	ND(0.00083)	0.0022				100m
		ND(0.00070)	0.00095				527m

M-G3	2014/11/8	In progress	In progress	0.034	0.080	In progress	1m
		ND(0.00081)	0.0017	0.022	0.10	0.00093	1m
	2014/8/28	ND(0.00064)	0.0013				100m
		ND(0.00059)	0.0017				199m

M-G4	2014/11/8	In progress	In progress	0.034	0.062	In progress	1m
		ND(0.00075)	0.0019	0.024	0.062	0.00085	1m
	2014/8/21	ND(0.00067)	0.0021				100m
		ND(0.00071)	0.00062				655m

M-H3	2014/11/12	In progress	In progress	0.030	0.070	In progress	1m
		ND(0.00060)	0.0019	0.025	0.065	0.00085	1m
	2014/8/28	ND(0.00073)	0.0019				100m
		ND(0.00068)	0.0018				222m

M-H1	2014/8/27	ND(0.00072)	0.0023				1m
		ND(0.00070)	0.0030				123m



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

T-MG1	2014/11/19	0.0021	0.0064		S
		ND(0.0020)	0.0051		M
		ND(0.0020)	0.0065		B

T-MG4	2014/11/19	0.0035	0.012		S
		ND(0.0018)	0.0073		M
		ND(0.0018)	0.0069		B

T-MG5	2014/11/19	0.0022	0.0073		S
		ND(0.0018)	0.0057		M
		ND(0.0018)	0.0051		B
	2014/11/5	0.0021	0.0070	ND(0.008)	S

T-MG6	2014/11/19	0.0021	0.0061		S
		0.0023	0.0064		M
		ND(0.0018)	0.0057		B

M-B1	2014/8/16	0.00092	0.0035		1m
		ND(0.00055)	0.0024		37m

M-B3	2014/8/17	ND(0.00061)	0.0017	0.00094	1m
		ND(0.00059)	0.0017		50m
		ND(0.00065)	0.0019		109m

T-MG0	2014/11/18	ND(0.0020)	0.0025		S
		ND(0.0020)	0.0021		M
		ND(0.0020)	0.0019		B

M-A1	2014/8/18	ND(0.00051)	0.0018		1m
		ND(0.00057)	0.0016		100m
		ND(0.00052)	0.0015		195m

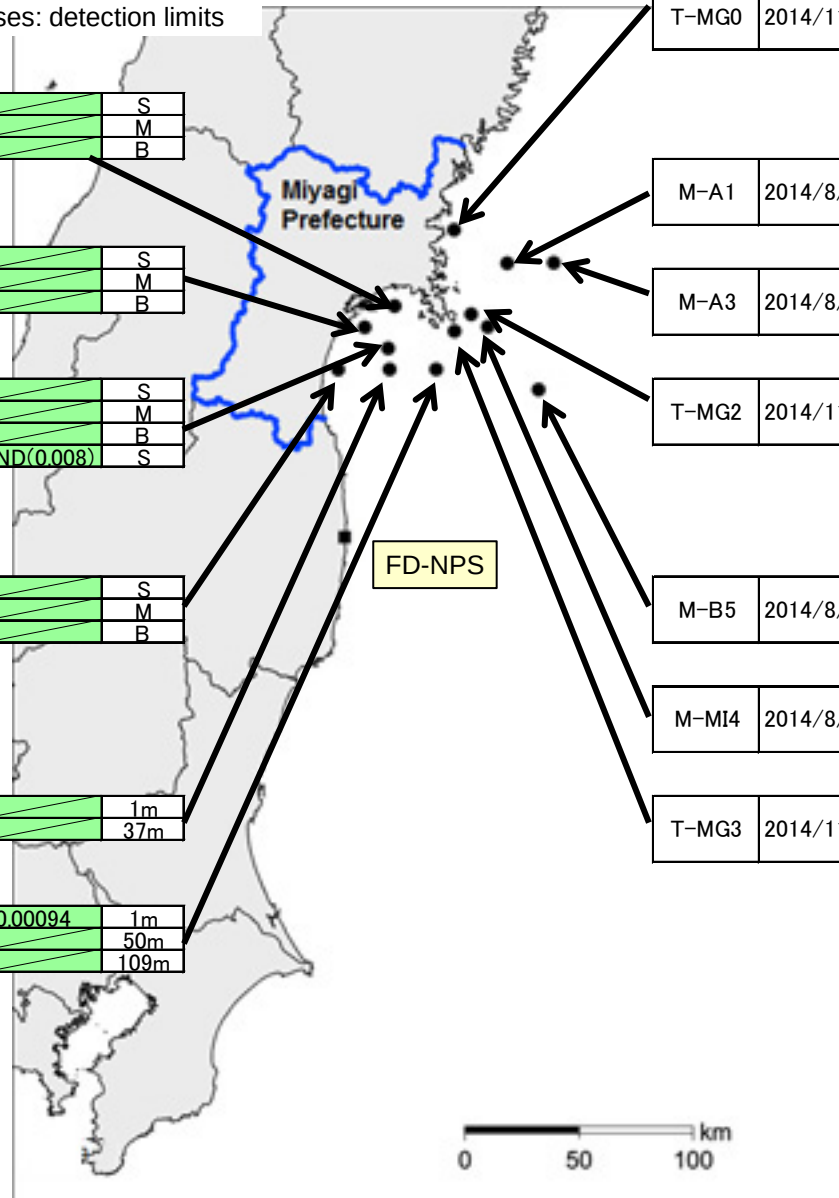
M-A3	2014/8/18	ND(0.00060)	0.0018		1m
		ND(0.00052)	0.0013		100m
		ND(0.00053)	0.00073		482m

T-MG2	2014/11/19	ND(0.0020)	0.0025		S
		ND(0.0020)	0.0019		M
		ND(0.0020)	0.0019		B

M-B5	2014/8/19	ND(0.00068)	0.0018		1m
		ND(0.00069)	0.0013		100m
		ND(0.00068)	0.00082		351m

M-MI4	2014/8/18	ND(0.00063)	0.0017		1m
		ND(0.00063)	0.0019		100m
		ND(0.00065)	0.0018		145m

T-MG3	2014/11/19	ND(0.0020)	0.0029		S
		ND(0.0020)	0.0022		M
		ND(0.0020)	0.0023		B

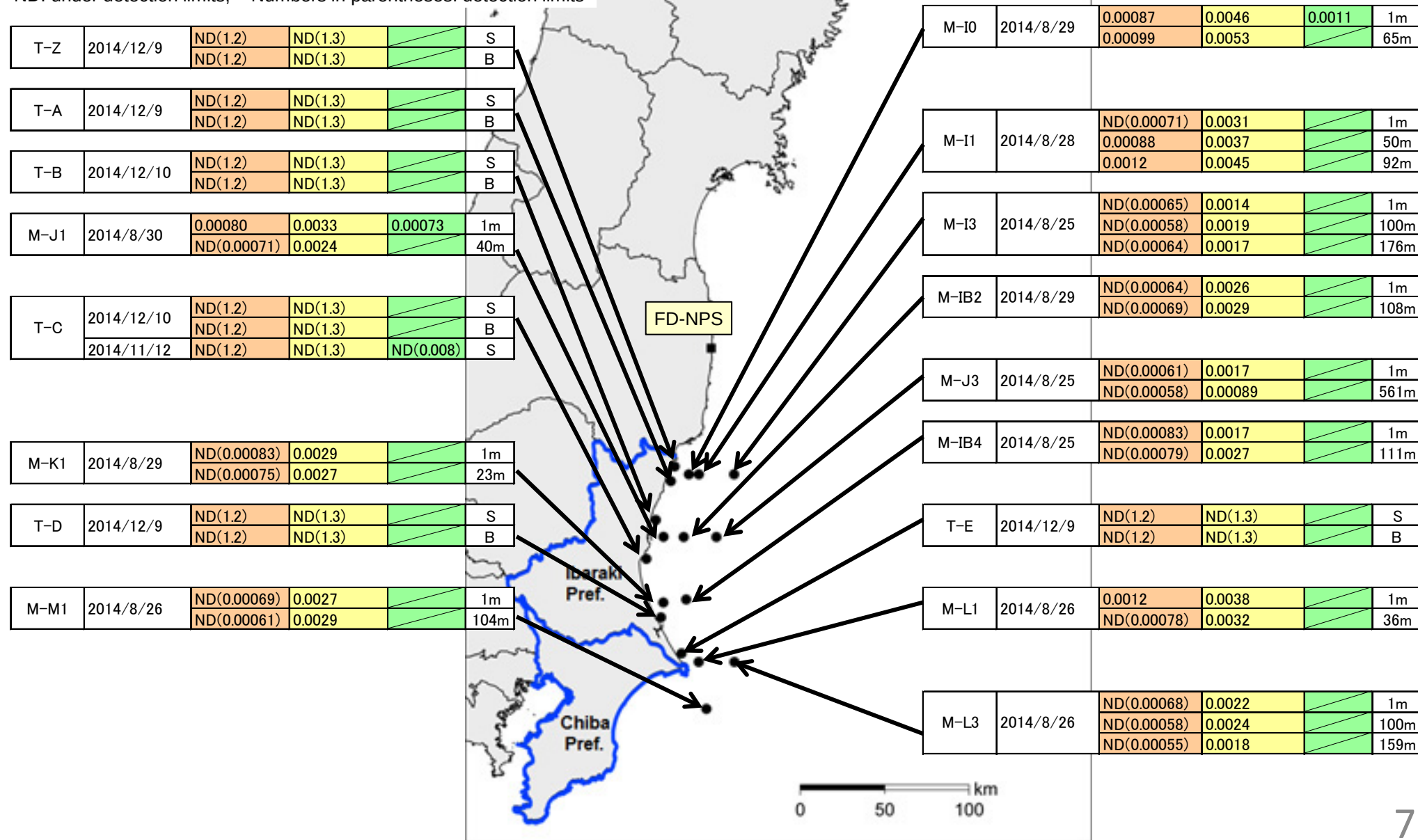


Sea area along and off the coast of Ibaraki Pref. and Chiba Pref.

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



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	2014/10/22	ND(0.00073)	0.0018	1m
		ND(0.00061)	0.0017	103m
		ND(0.00065)	0.0013	200m
		ND(0.00066)	0.0010	301m
		ND(0.00061)	0.00060	498m

M-14	2014/10/24	ND(0.00065)	0.0023	1m
		0.00064	0.0028	100m
		ND(0.00061)	0.0017	200m
		ND(0.00071)	0.0012	300m
		ND(0.00067)	0.00073	500m

M-19	2014/10/28	ND(0.00058)	0.0018	1m
		ND(0.00052)	0.0027	100m
		0.0013	0.0045	200m
		ND(0.00063)	0.0034	300m
		ND(0.00055)	0.0017	500m

M-20	2014/10/29	ND(0.00066)	0.0016	1m
		ND(0.00062)	0.0027	100m
		0.0016	0.0046	200m
		ND(0.00078)	0.0045	300m
		ND(0.00069)	0.0014	500m

M-25	2014/10/27	ND(0.00061)	0.0016	1m
		ND(0.00056)	0.0029	100m
		ND(0.00058)	0.0029	200m
		ND(0.00071)	0.0021	300m
		ND(0.00056)	0.00083	500m

M-11	2014/10/25	ND(0.00065)	0.0018	1m
		ND(0.00060)	0.0031	100m
		ND(0.00059)	0.0020	200m
		ND(0.00057)	0.0014	300m
		ND(0.00059)	0.0011	500m

M-15	2014/10/25	ND(0.00057)	0.0020	1m
		ND(0.00064)	0.0026	100m
		ND(0.00061)	0.0015	200m
		ND(0.00059)	0.0013	300m
		ND(0.00058)	0.00066	500m

M-21	2014/10/26	ND(0.00058)	0.0015	1m
		ND(0.00065)	0.0026	100m
		0.0010	0.0041	200m
		0.00080	0.0042	300m
		0.00068	0.0029	500m

M-26	2014/10/27	ND(0.00070)	0.0016	1m
		0.00095	0.0030	100m
		0.00074	0.0027	200m
		ND(0.00062)	0.0026	300m
		ND(0.00065)	0.00093	500m

M-27	2014/10/26	ND(0.00063)	0.0016	1m
		ND(0.00062)	0.0025	100m
		0.00070	0.0030	200m
		ND(0.00063)	0.0024	300m
		ND(0.00056)	0.0014	500m

