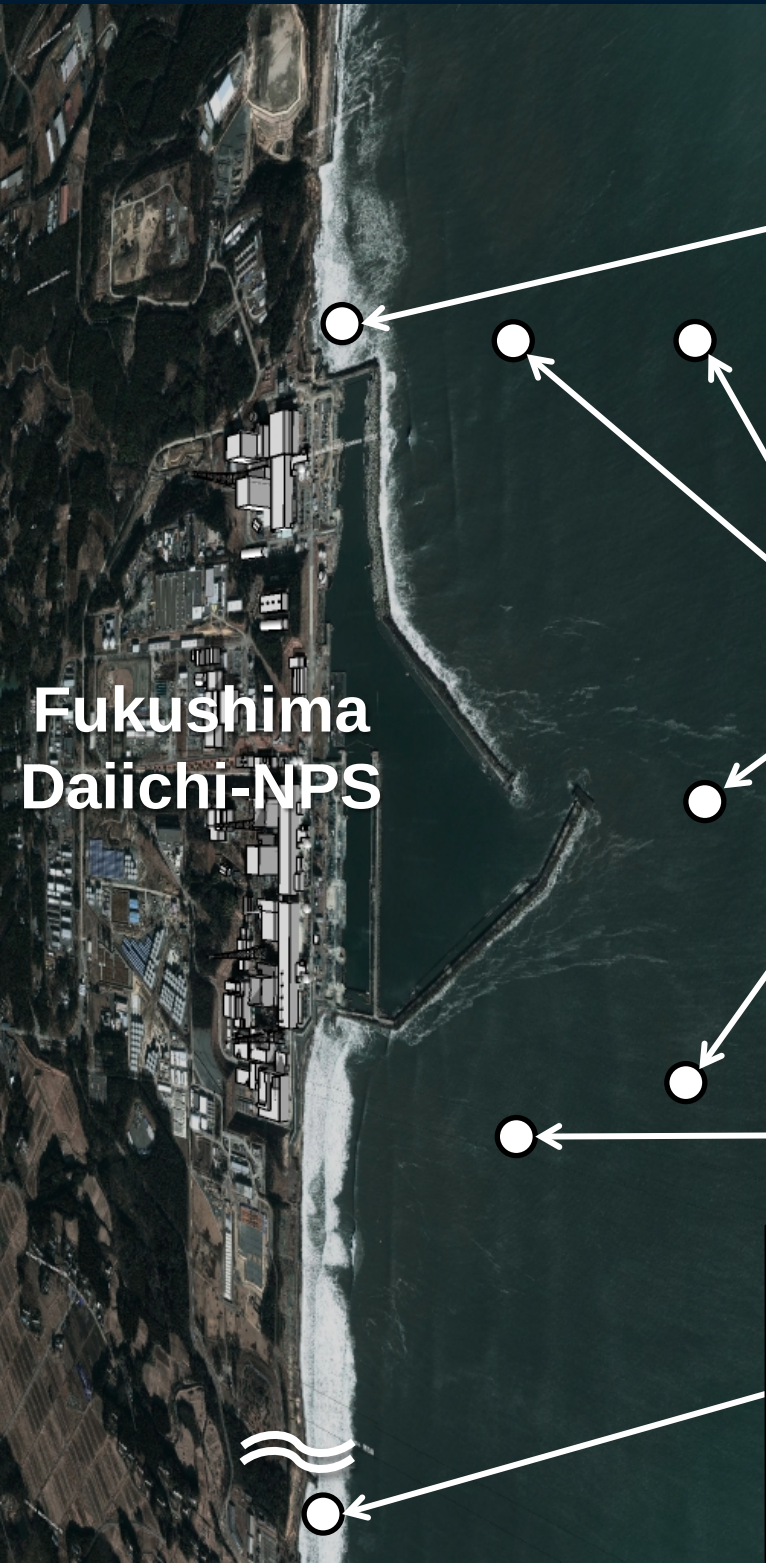


Sea Area Monitoring

January 14, 2014 (corrected)

Nuclear Regulation Authority (NRA), Japan

Sea area within 2km radius from the NPS



Fukushima
Daiichi-NPS

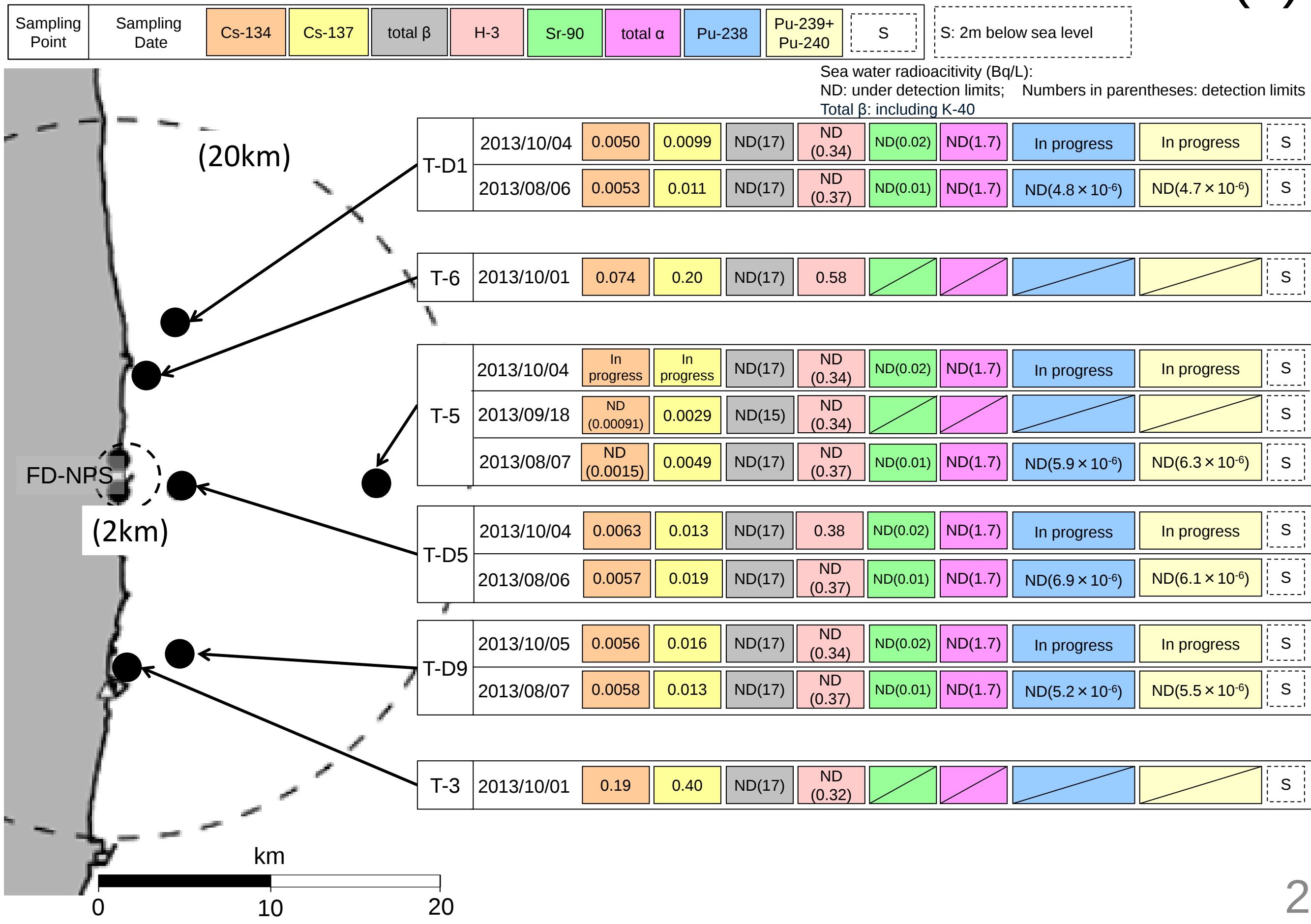
Sampling Point	Sampling Date	Cs-134	Cs-137	total β	H-3	Sr-90	total α	Pu-238	Pu-239+ Pu-240
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Sea water radioactivity (Bq/L):
ND: under detection limits; Numbers in parentheses: detection limits
Total β: including K-40

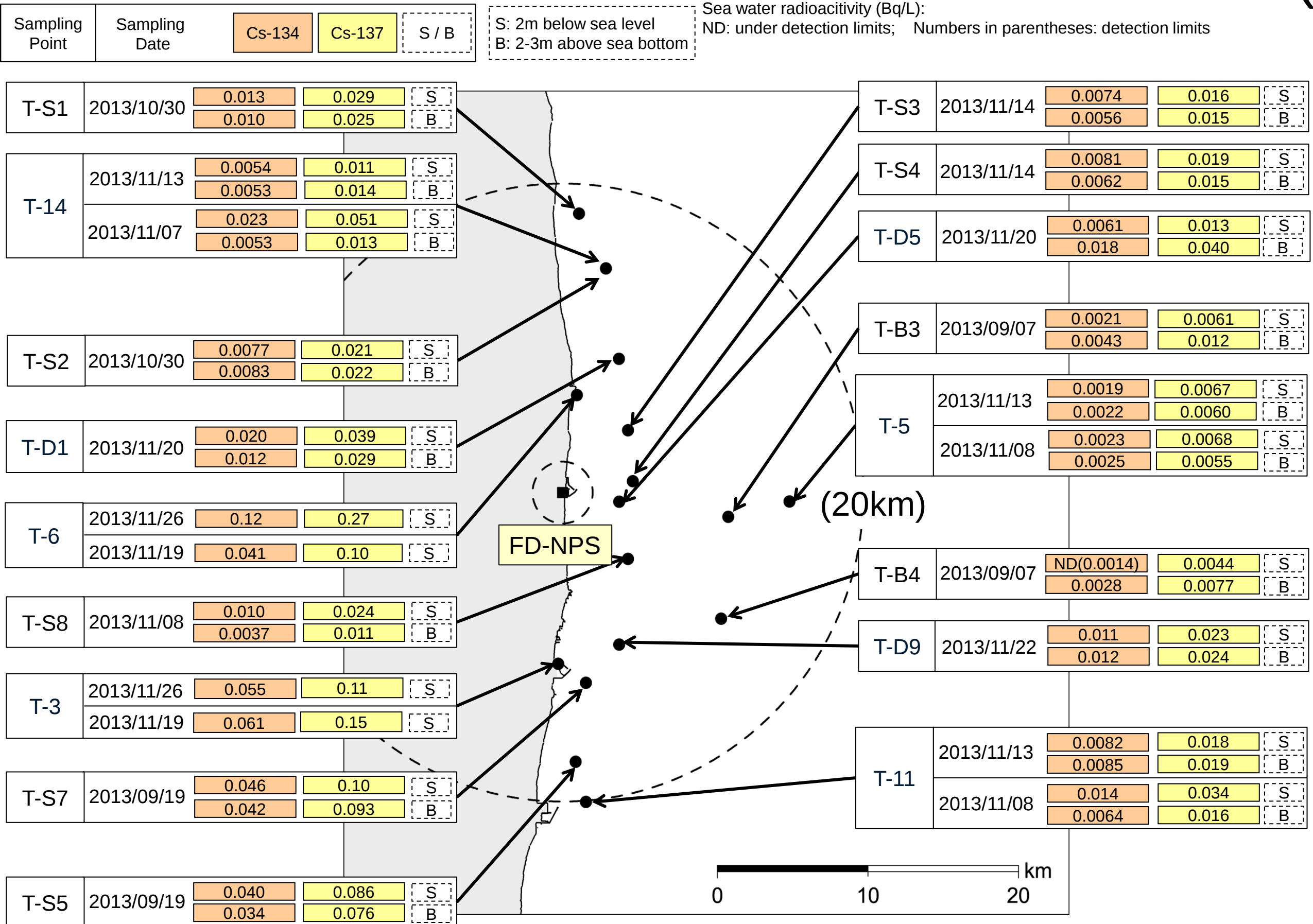
T-1	2013/12/30	ND(0.77)	0.82	12	In progress				
	2013/12/23	ND(0.62)	0.99	12	ND(2.1)				
	2013/09/23	ND(1.2)	ND(1.4)	ND(17)	ND(1.8)	In progress	ND(2.6)		
	2013/08/12	ND(1.2)	1.4	ND(19)	4.7	1.2	ND(2.4)		
	2013/08/06	ND(1.4)	1.7					ND(6.6×10^{-6})	$(7.5 \pm 2.1) \times 10^{-6}$
T-0-1A	2013/12/29	ND(0.77)	ND(0.67)	ND(15)	In progress				
T-0-1	2013/12/29	ND(0.54)	ND(0.72)	ND(15)	In progress				
T-0-2	2013/12/29	ND(0.77)	ND(0.67)	ND(15)	In progress				
T-0-3A	2013/12/29	ND(0.67)	ND(0.80)	ND(15)	In progress				
T-0-3	2013/12/29	ND(0.75)	ND(0.72)	ND(15)	In progress				
T-2-1	2013/12/30	ND(0.77)	0.82	13	In progress				
	2013/12/24	ND(0.76)	0.69	12	ND(1.9)				
	2013/09/23	ND(1.2)	ND(1.4)	ND(17)	ND(1.8)	In progress	ND(2.6)		
	2013/08/12	ND(1.2)	ND(1.4)	ND(19)	ND(2.9)	0.16	ND(2.4)		
	2013/08/06	ND(1.4)	ND(1.3)	ND(21)				ND(7.6×10^{-6})	$(1.1 \pm 0.29) \times 10^{-5}$

0 0.5 1km

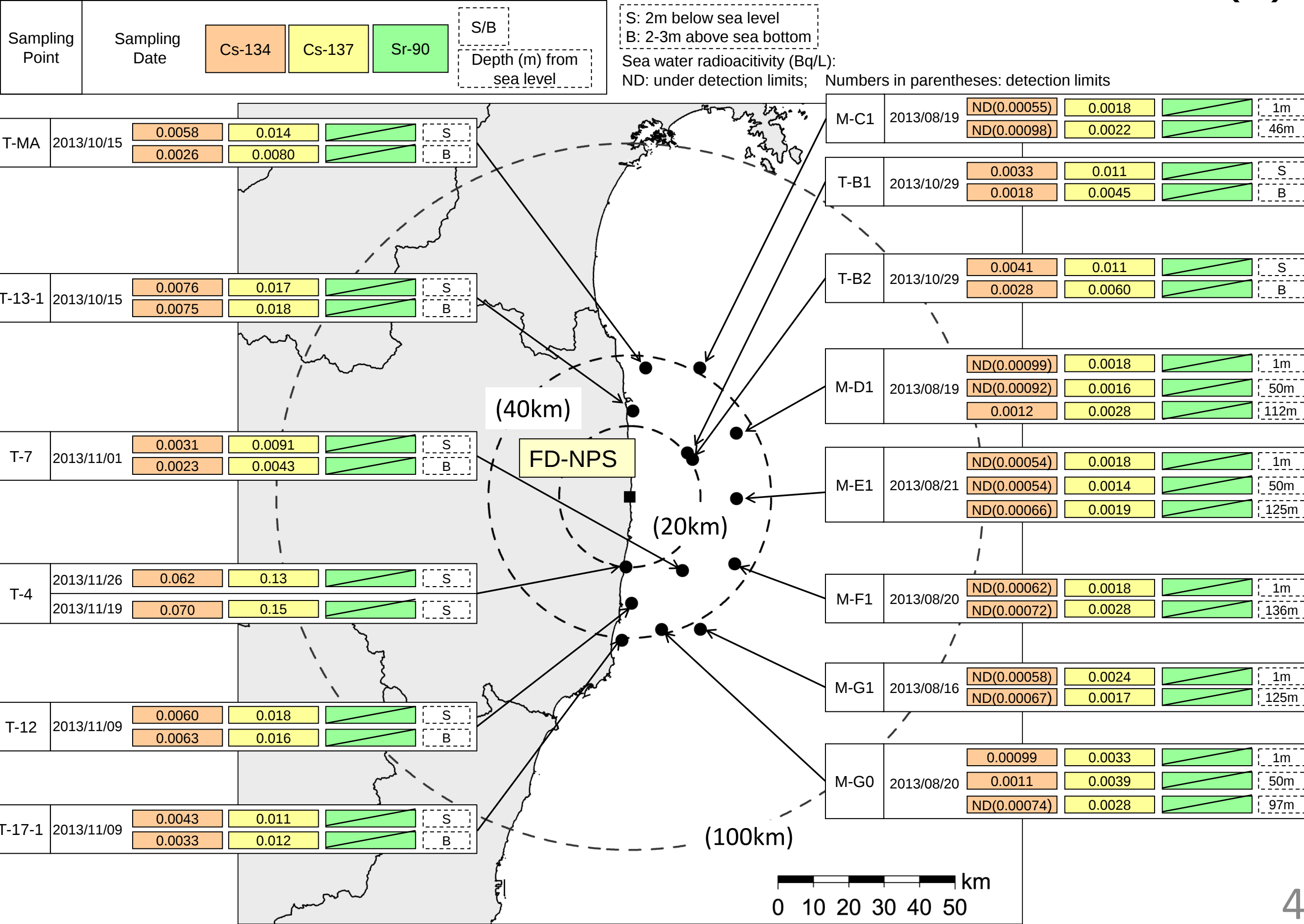
Sea area between 2-20km radius from the NPS (1)



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



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



(40km)

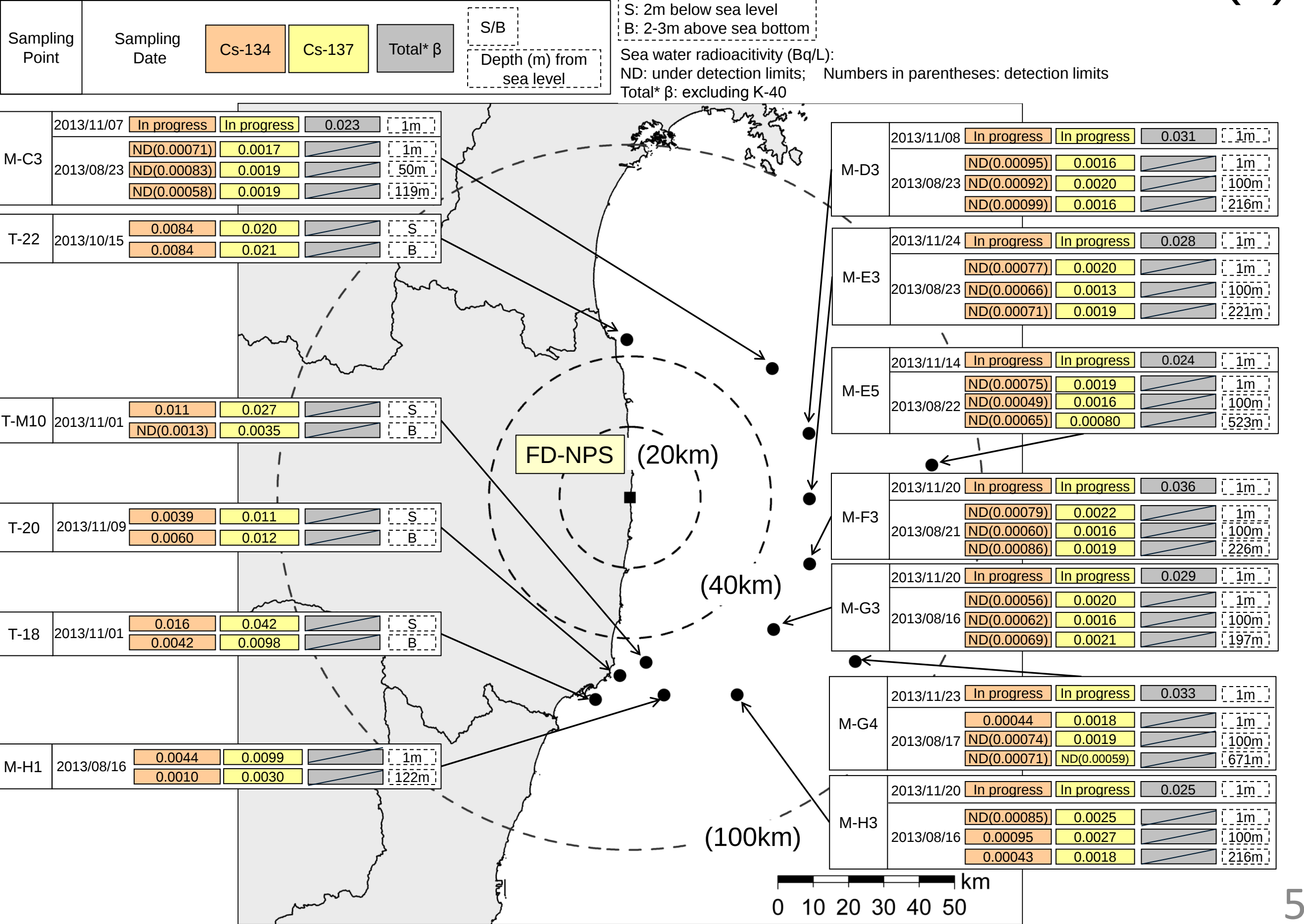
FD-NPS

(20km)

(100km)

0 10 20 30 40 50 km

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

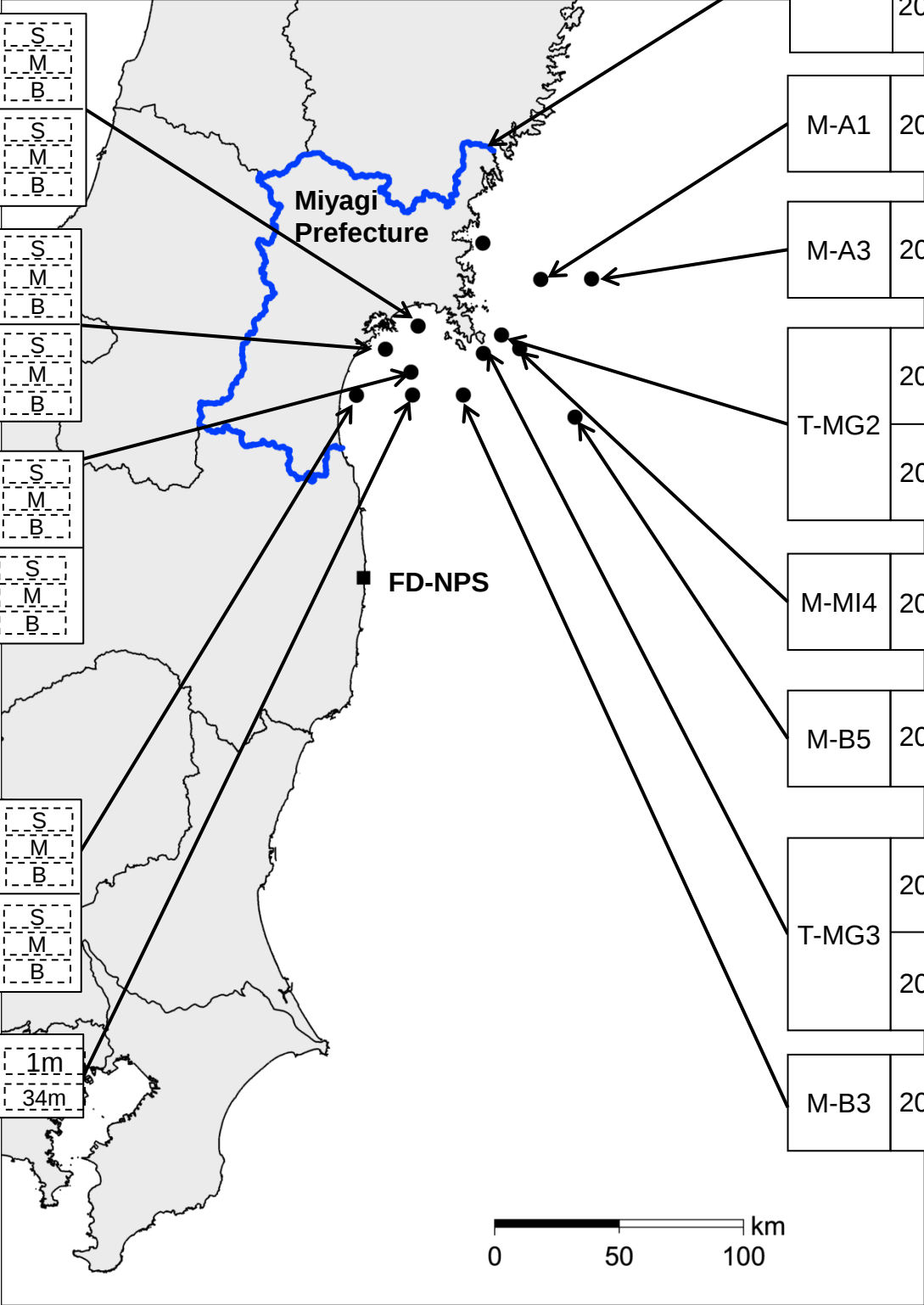


Sea area along and off the coast of Miyagi Prefecture

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						

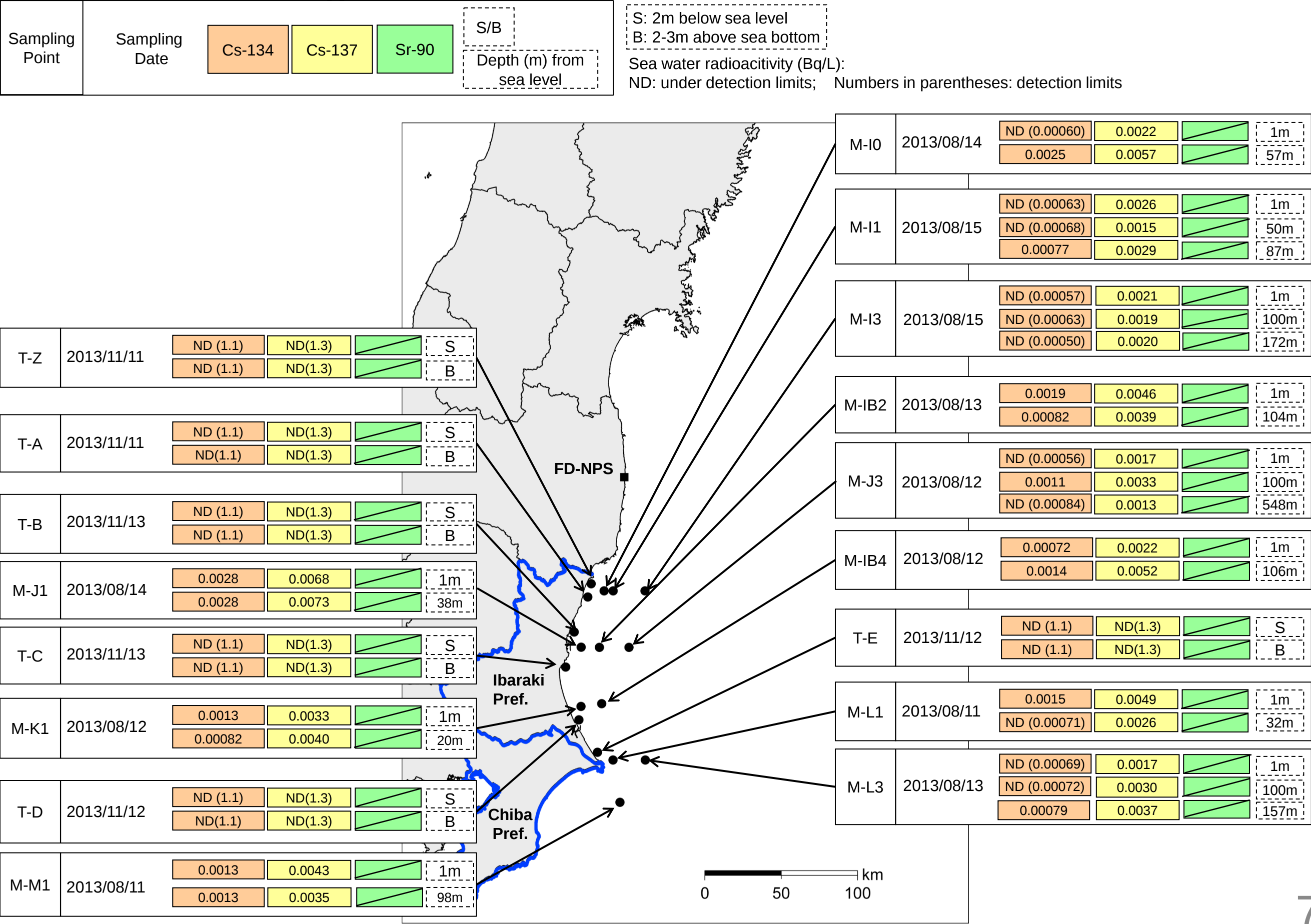
Sea water radioactivity (Bq/L):
ND: under detection limits; Numbers in parentheses: detection limits

T-MG1	2013/11/06	0.0038	0.0094		S
		ND (0.0021)	0.0074		M
		0.0030	0.011		B
	2013/10/29	0.0058	0.014		S
		0.0057	0.013		M
		0.0030	0.0070		B
T-MG4	2013/11/06	0.0039	0.0088		S
		0.0038	0.0090		M
		0.0040	0.0091		B
	2013/10/29	0.0054	0.012		S
		0.0048	0.011		M
		0.0044	0.012		B
T-MG5	2013/11/06	0.0021	0.0084		S
		0.0032	0.0079		M
		ND (0.0014)	0.0036		B
	2013/10/29	0.0037	0.011		S
		0.0029	0.0078		M
		0.0025	0.0058		B
T-MG6	2013/11/06	ND (0.0015)	0.0068		S
		0.0022	0.0072		M
		0.0017	0.0058		B
	2013/10/29	0.0048	0.010		S
		0.0049	0.011		M
		0.0056	0.012		B
M-B1	2013/08/19	0.0021	0.0059		1m
		0.0014	0.0039		34m



T-MG0	2013/11/05	ND (0.0021)	0.0019		S
		ND (0.0021)	0.0020		M
		ND (0.0021)	0.0016		B
	2013/10/29	ND (0.0021)	0.0022		S
		ND (0.0021)	0.0025		M
		ND (0.0021)	0.0029		B
M-A1	2013/08/25	ND (0.00073)	0.0016		1m
		ND (0.00088)	0.0022		100m
		ND (0.00063)	0.0016		193m
M-A3	2013/08/25	ND (0.00074)	0.0018		1m
		ND (0.00065)	0.0017		100m
		ND (0.00065)	0.00064		470m
T-MG2	2013/11/06	ND (0.0022)	0.0013		S
		ND (0.0022)	0.0018		M
		ND (0.0022)	0.0020		B
	2013/10/29	ND (0.0022)	0.0033		S
		ND (0.0022)	0.0021		M
		ND (0.0022)	0.0026		B
M-MI4	2013/08/24	ND (0.00069)	0.0016		1m
		ND (0.00055)	0.0017		100m
		ND (0.00095)	0.0019		140m
M-B5	2013/08/26	ND (0.00064)	0.0019		1m
		ND (0.00081)	0.0019		100m
		ND (0.00065)	0.0012		345m
T-MG3	2013/11/06	ND (0.0022)	0.0027		S
		ND (0.0022)	0.0020		M
		ND (0.0022)	0.0021		B
	2013/10/29	ND (0.0022)	0.0017		S
		ND (0.0022)	0.0026		M
		ND (0.0022)	0.0023		B
M-B3	2013/08/24	ND (0.00072)	0.0033		1m
		ND (0.00054)	0.0019		50m
		ND (0.00087)	0.0023		108m

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

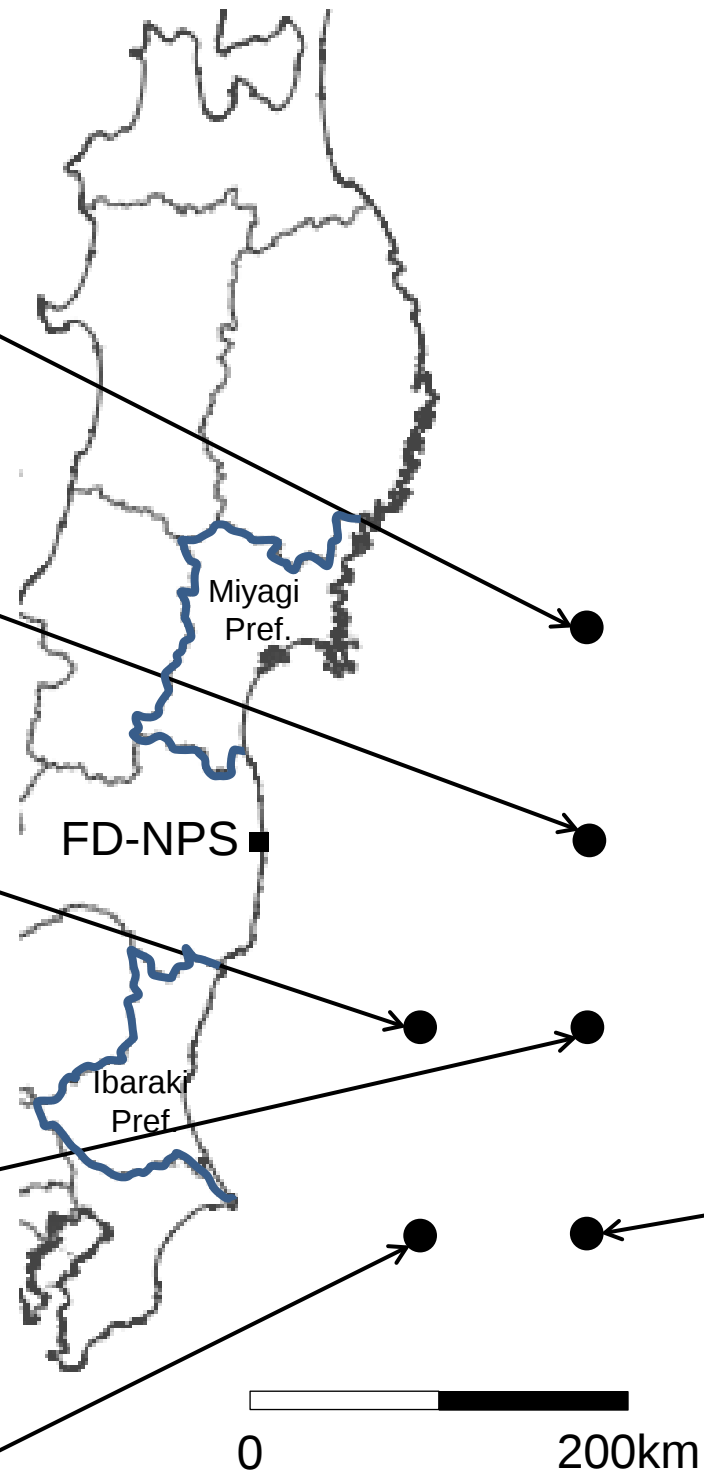


Open sea off the coast of Eastern Japan

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	2013/05/19	0.0011	0.0029	1m
		ND (0.00068)	0.0021	100m
		ND (0.00064)	0.0022	200m
		ND (0.00065)	0.0019	300m
		ND (0.00061)	0.00091	500m
M-14	2013/05/18	ND (0.00079)	0.0026	1m
		ND (0.00074)	0.0021	100m
		ND (0.00074)	0.0015	200m
		ND (0.00066)	0.0015	300m
		ND (0.00068)	0.00090	500m
M-19	2013/05/17	0.0010	0.0028	1m
		ND (0.00061)	0.0014	100m
		ND (0.00059)	0.0017	200m
		ND (0.00069)	0.0014	300m
		ND (0.00059)	0.0010	500m
M-20	2013/05/18	ND (0.00082)	0.0025	1m
		ND (0.00095)	0.0019	100m
		ND (0.00092)	0.0018	200m
		ND (0.00096)	0.0014	300m
		ND (0.00084)	0.00080	500m
M-25	2013/05/14	ND (0.0010)	0.0016	1m
		ND (0.00092)	0.0022	100m
		0.0020	0.0044	200m
		ND (0.00094)	0.0031	300m
		ND (0.00087)	0.0012	500m



M-11	2013/05/16	ND (0.00096)	0.0025	1m
		ND (0.00095)	0.0023	100m
		0.0010	0.0018	200m
		ND (0.00092)	0.00095	300m
		ND (0.00097)	0.00068	500m
M-15	2013/05/16	ND (0.00095)	0.0023	1m
		ND (0.00088)	0.0018	100m
		ND (0.00097)	0.0020	200m
		ND (0.00096)	0.0016	300m
		ND (0.00085)	0.00084	500m
M-21	2013/05/15	ND (0.00068)	0.0019	1m
		ND (0.00069)	0.0026	100m
		0.0026	0.0056	200m
		0.0013	0.0043	300m
		ND (0.00064)	0.0015	500m
M-26	2013/05/14	ND (0.00069)	0.0020	1m
		ND (0.00065)	0.0025	100m
		0.0011	0.0036	200m
		0.0011	0.0034	300m
		ND (0.00085)	0.0015	500m
M-27	2013/05/15	ND (0.00094)	0.0022	1m
		ND (0.00096)	0.0030	100m
		0.0012	0.0044	200m
		ND (0.0010)	0.0027	300m
		ND (0.00089)	0.0021	500m