

Sea Area Monitoring

October 15, 2013

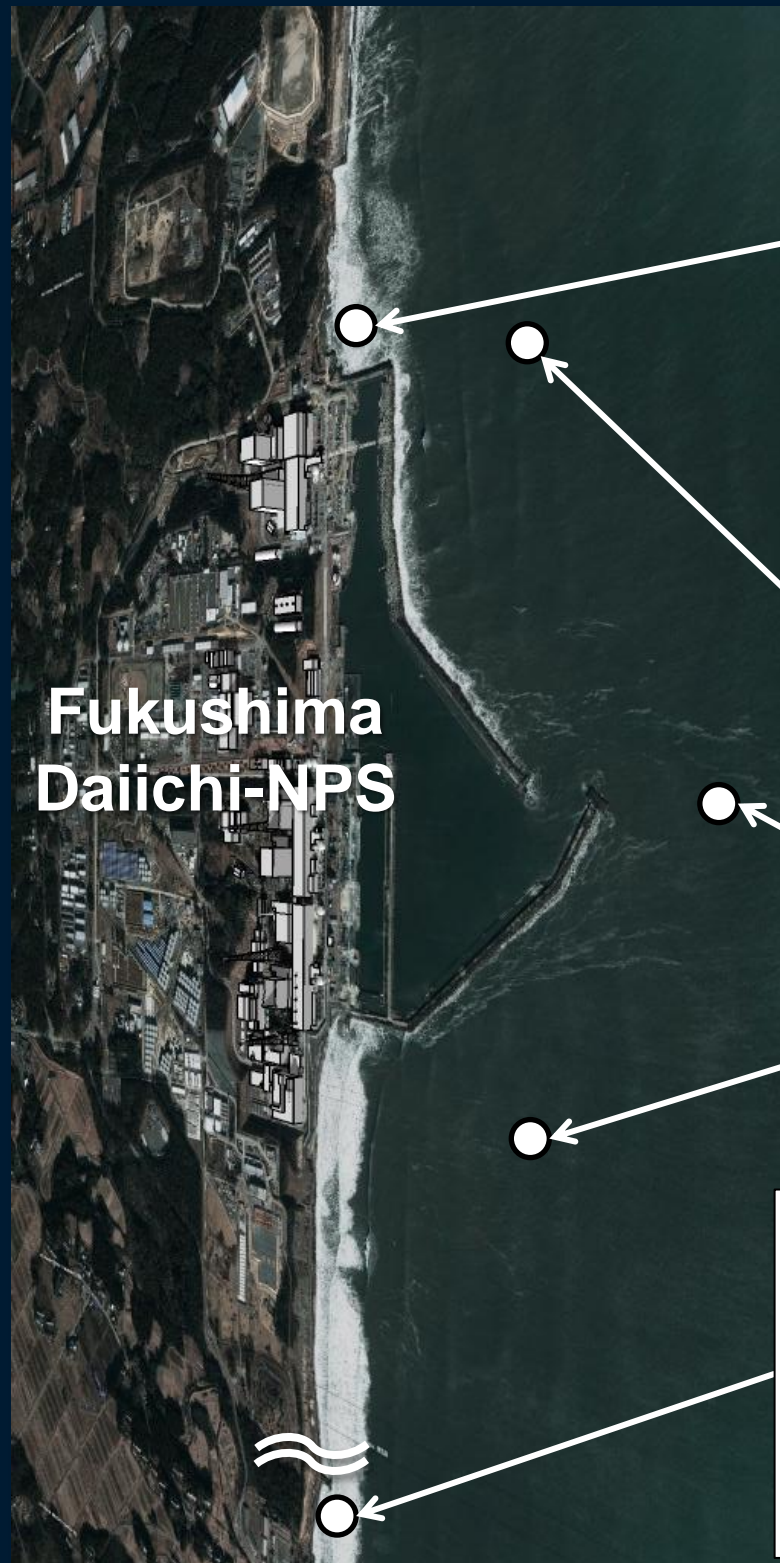
Nuclear Regulation Authority (NRA), Japan

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



Sampling Point	Sampling Date	Cs-134	Cs-137	total β	H-3	Sr-90	total α	Pu-238	Pu-239+ Pu-240
		2013/09/30	ND (1.5)	ND(1.5)	ND (15)	ND(1.7)	/	/	/
T-1	2013/09/23	ND (1.2)	ND(1.4)	ND (17)	ND(1.8)	/	/	/	/
	2013/08/12	ND (1.2)	1.4	ND (19)	4.7	In progress	In progress	/	/
	2013/08/06	ND (1.4)	1.7	/	/	/	/	ND(6.6×10^{-6})	$(7.5 \pm 2.1) \times 10^{-6}$

Sampling Point	Sampling Date	Cs-134	Cs-137	total β	H-3	Sr-90	total α	Pu-238	Pu-239+ Pu-240
		2013/10/4	ND (0.68)	ND (0.52)	ND (15)	In progress	/	/	/
T-0-1	2013/09/28	ND (0.61)	ND (0.57)	ND (16)	ND (1.7)	/	/	/	/

Sampling Point	Sampling Date	Cs-134	Cs-137	total β	H-3	Sr-90	total α	Pu-238	Pu-239+ Pu-240
		2013/10/4	ND (0.80)	ND (0.69)	ND (15)	In progress	/	/	/
T-0-2	2013/09/28	ND (0.66)	ND (0.64)	ND (16)	ND(1.7)	/	/	/	/

Sampling Point	Sampling Date	Cs-134	Cs-137	total β	H-3	Sr-90	total α	Pu-238	Pu-239+ Pu-240
		2013/10/4	ND (0.61)	ND (0.85)	ND (15)	In progress	/	/	/
T-0-3	2013/09/28	ND (0.64)	ND (0.57)	ND (16)	ND (1.7)	/	/	/	/

Sampling Point	Sampling Date	Cs-134	Cs-137	total β	H-3	Sr-90	total α	Pu-238	Pu-239+ Pu-240
		2013/09/30	ND (1.5)	ND(1.5)	ND (18)	ND(1.7)	/	/	/
T-2-1	2013/09/23	ND (1.2)	ND(1.4)	ND (17)	ND(1.8)	/	/	/	/
	2013/08/12	ND (1.2)	ND(1.4)	ND (19)	ND(2.9)	In progress	In progress	/	/
	2013/08/06	ND (1.4)	ND(1.3)	ND(21)	/	/	/	ND(7.6×10^{-6})	$(1.1 \pm 0.29) \times 10^{-5}$



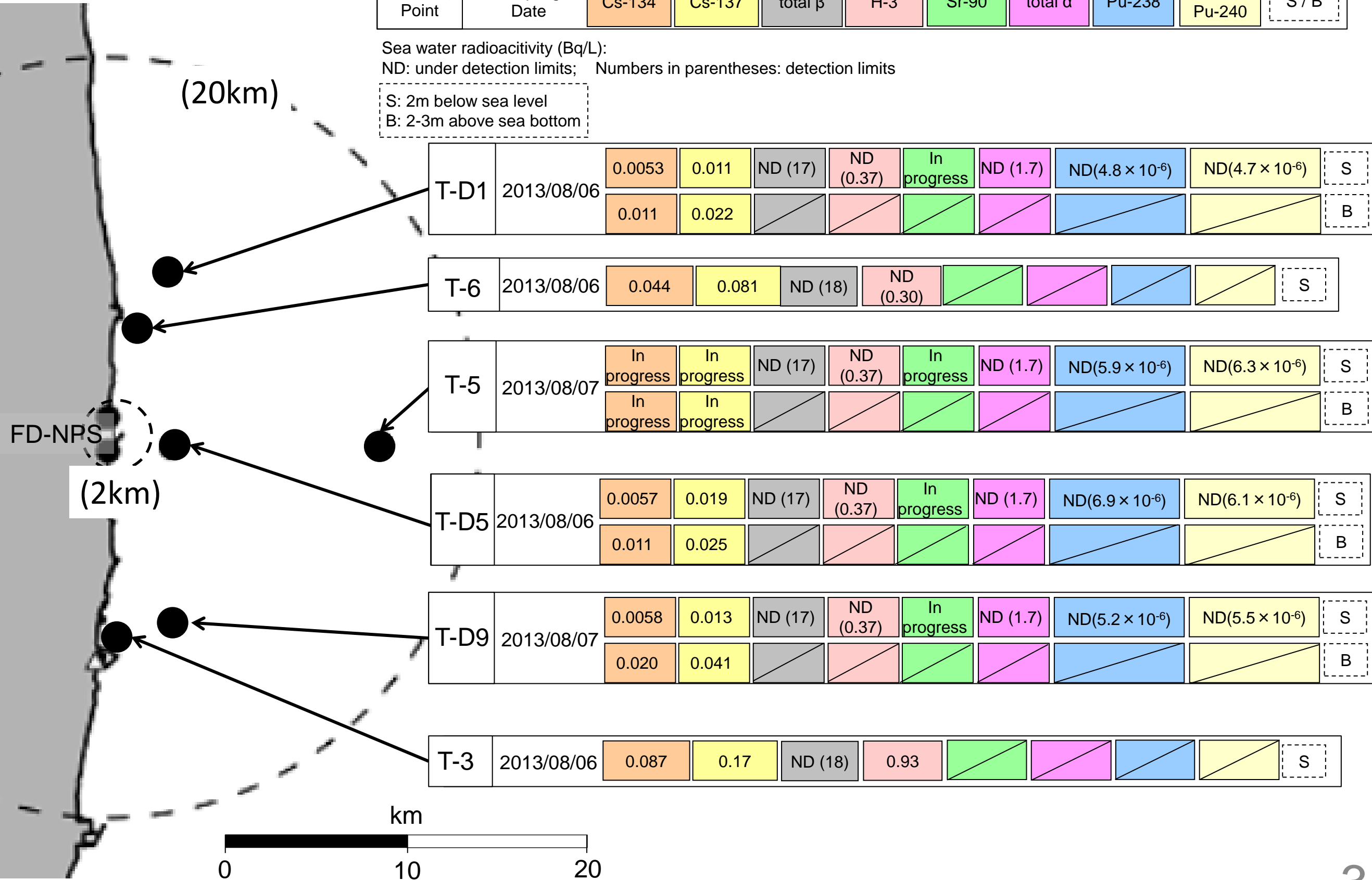
Sea area between 2-20km radius from the NPS (1)

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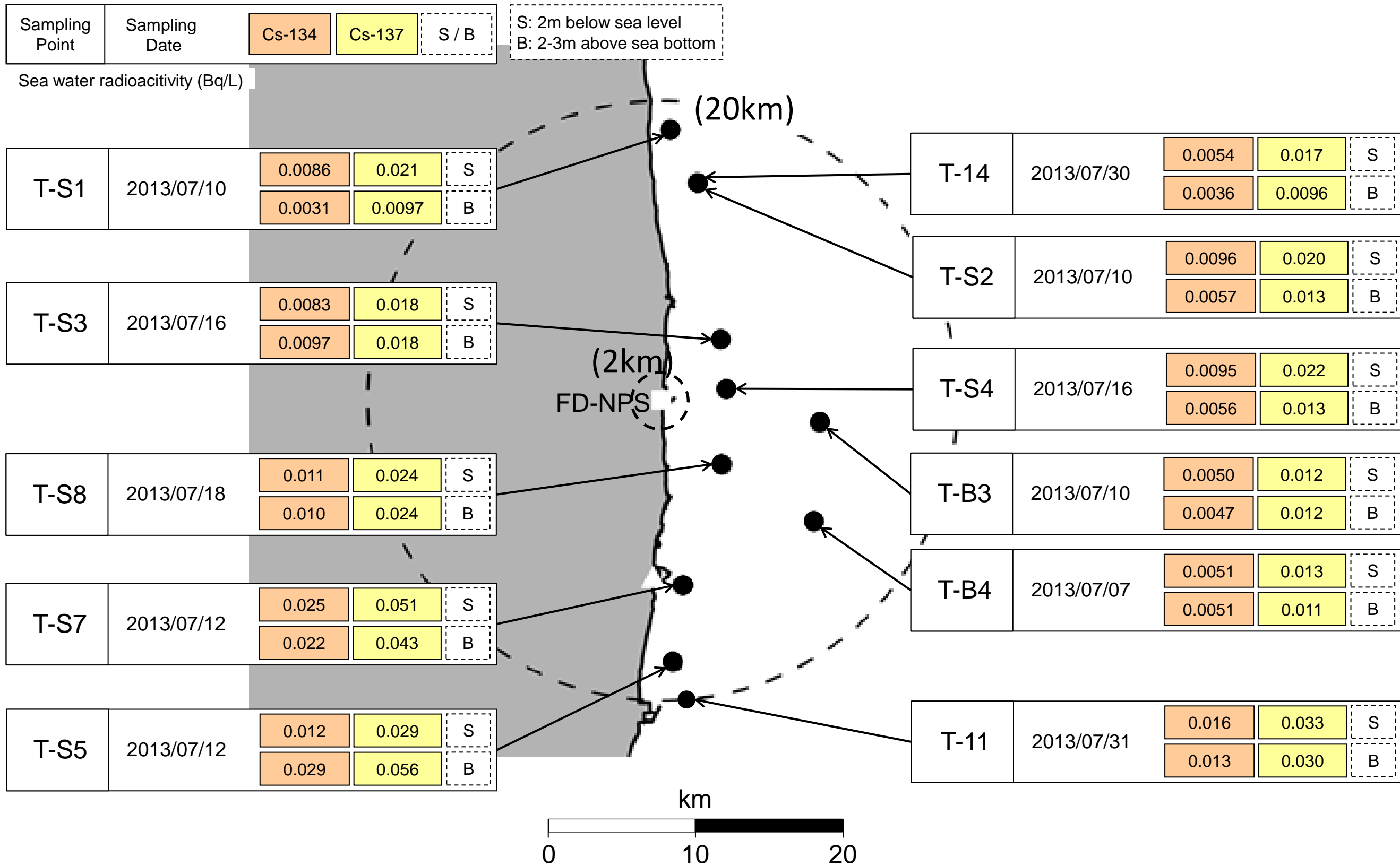
Sea water radioactivity (Bq/L):

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

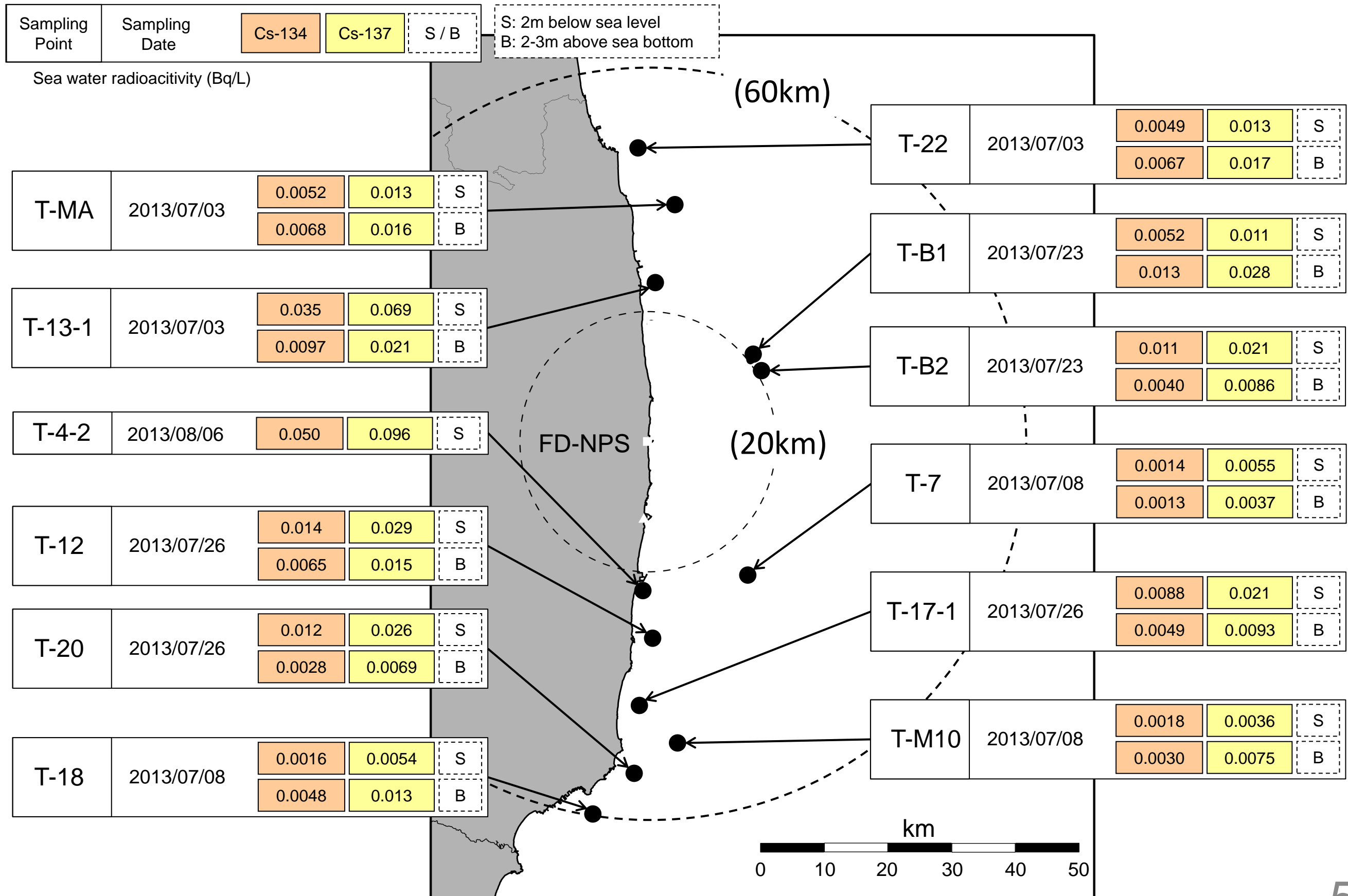
S: 2m below sea level
B: 2-3m above sea bottom



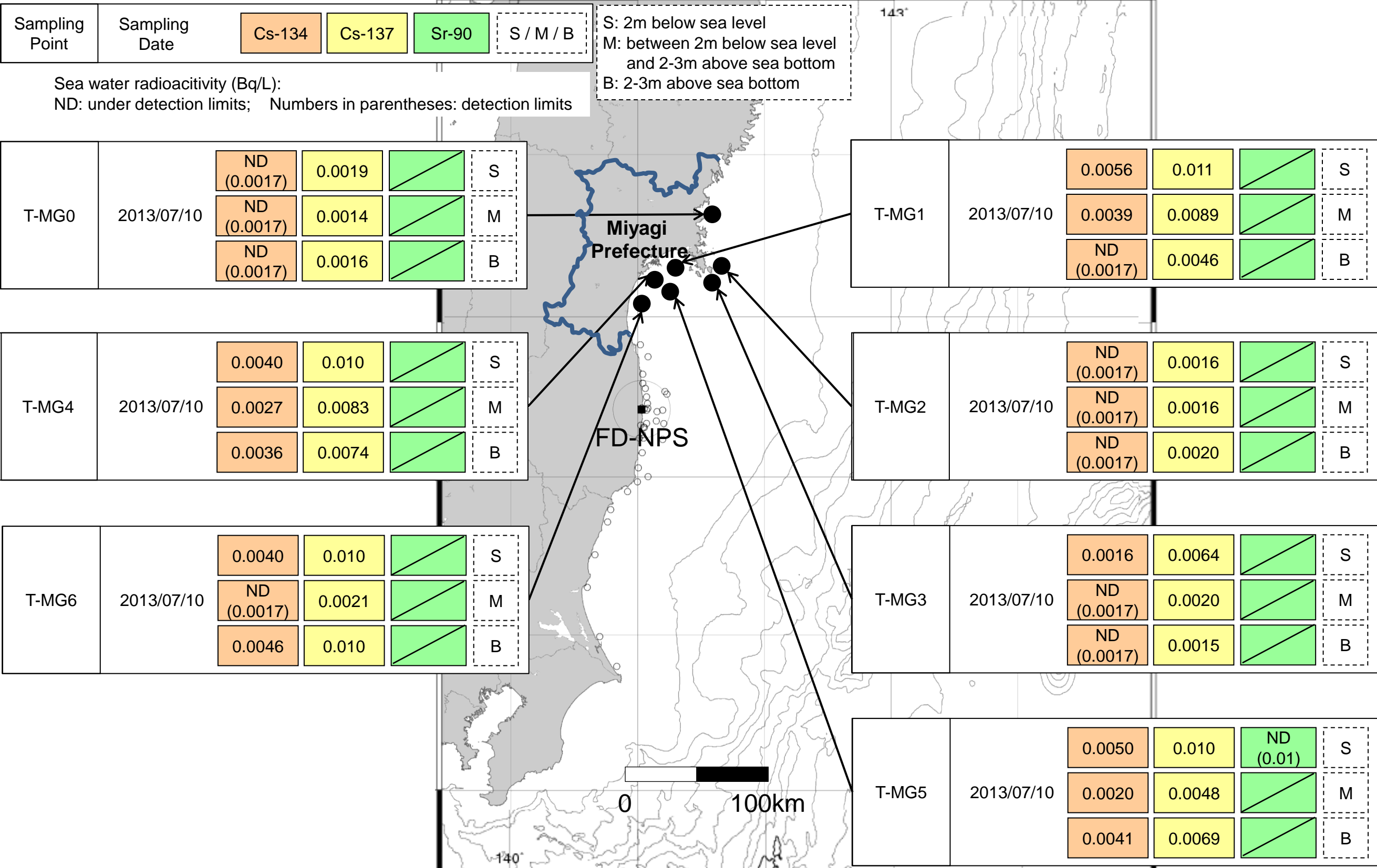
Sea area between 2-20km radius from the NPS (2)



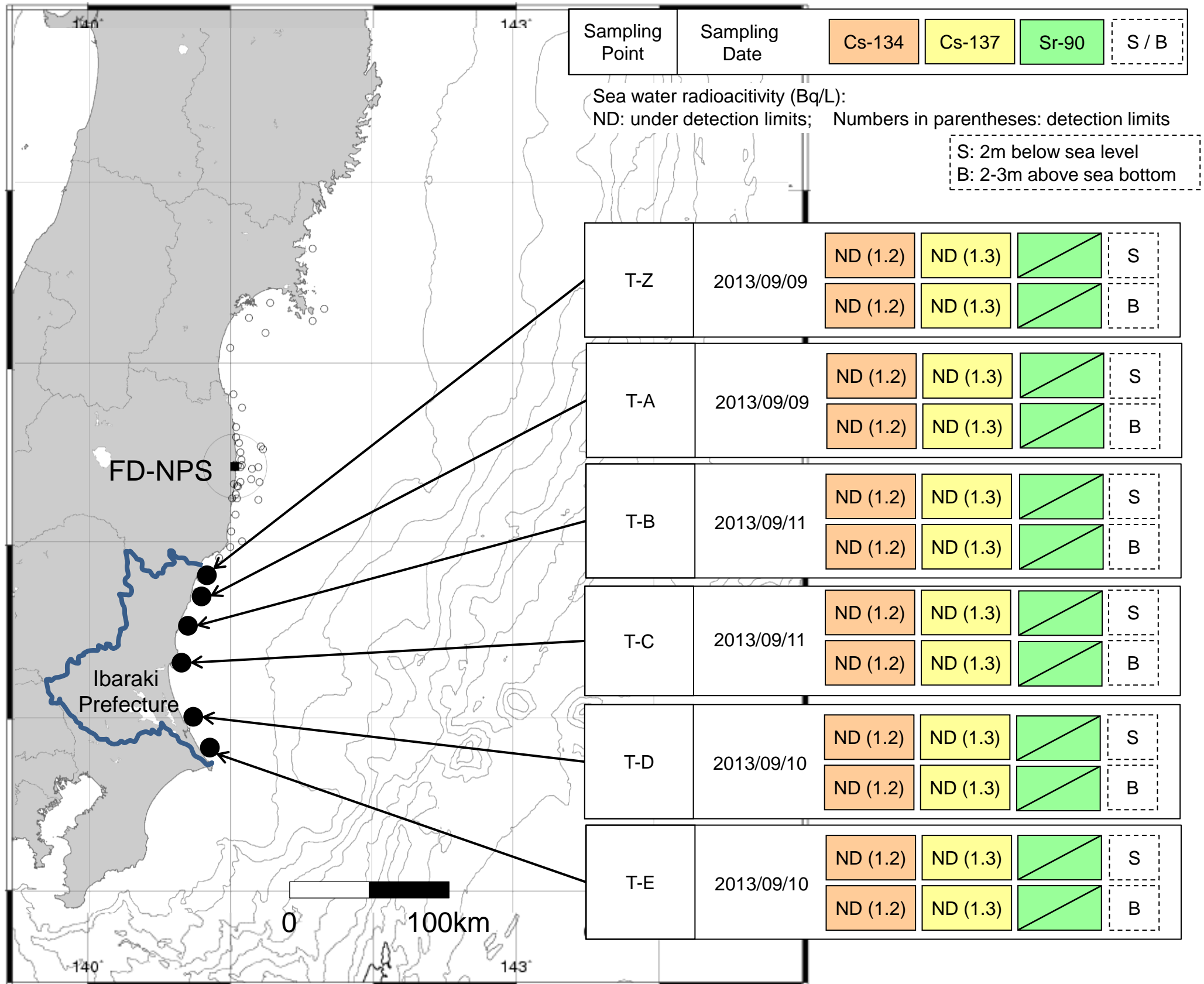
Sea area between 20-60km radius from the NPS



Sea area along the coast of Miyagi Prefecture



Sea area along the coast of Ibaraki Prefecture



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

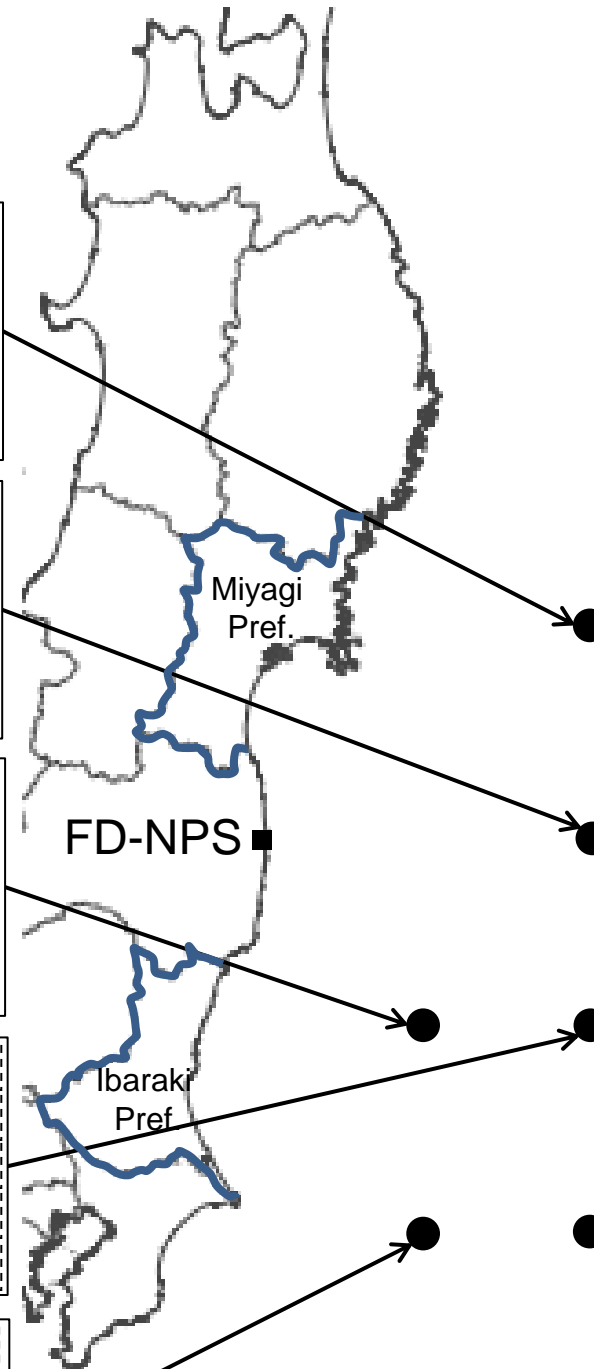
M-10	2013/05/19	0.0011	0.0029	1m
		ND (0.00068)	0.0021	100m
		ND (0.00064)	0.0022	200m
		ND (0.00065)	0.0019	300m
		ND (0.00061)	0.00091	500m

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