

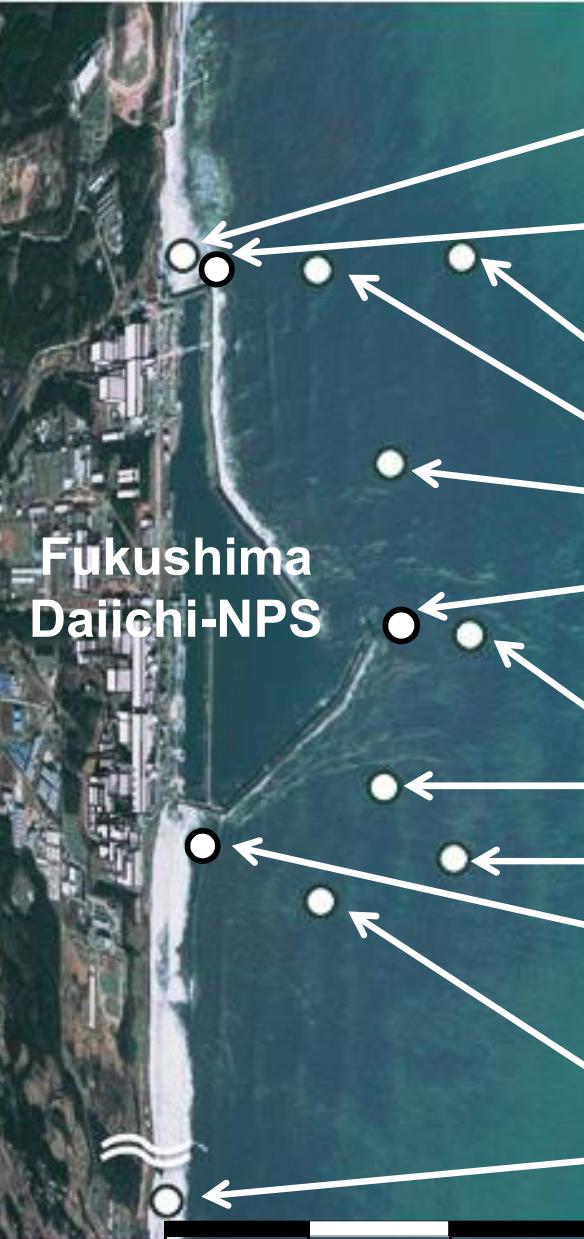
Sea Area Monitoring

August 18, 2015

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+240
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	2015/8/3	ND(0.65)	ND(0.53)	11 ^{*1}	ND(1.6)				
	2015/7/6	ND(0.71)	ND(0.80)	10 ^{*1}	ND(1.7)	0.18	ND(1.6)		
	2015/4/8	ND(0.55)	ND(0.64)					ND(5.5 × 10 ⁻⁶)	ND(6.1 × 10 ⁻⁶)
F-P02	2015/7/21	0.19	0.67	0.31 ^{*2}	1.9	In progress		In progress	In progress
	2015/6/16	ND(0.065)	ND(0.053)	0.04 ^{*2}	ND(0.45)	0.046		In progress	In progress
	2015/5/18	ND(0.062)	ND(0.057)	0.03 ^{*2}	ND(0.44)	0.003		In progress	In progress
	2015/4/22	ND(0.070)	ND(0.057)	0.02 ^{*2}	ND(0.43)	0.002		In progress	In progress
	2015/3/3	ND(0.072)	0.094	0.06 ^{*2}	ND(0.43)	0.041		ND(7 × 10 ⁻⁶)	1.1 × 10 ⁻⁵
T-0-1A	2015/8/3	ND(0.80)	ND(0.50)	ND(17) ^{*1}	In progress				
	2015/7/27	ND(0.86)	ND(0.83)	ND(20) ^{*1}	ND(1.7)				
T-0-1	2015/8/3	ND(0.51)	ND(0.49)	ND(17) ^{*1}	In progress				
	2015/7/27	ND(0.68)	ND(0.68)	ND(20) ^{*1}	ND(1.7)				
M-101	2015/6/10	0.030	0.12		0.53	In progress			
	2015/4/28	0.0067	0.025		0.17	0.012			
F-P03	2015/7/21	0.22	0.83	0.37 ^{*2}	2.6	In progress		In progress	In progress
	2015/6/16	ND(0.066)	ND(0.050)	0.03 ^{*2}	ND(0.46)	0.008		In progress	In progress
	2015/5/18	ND(0.075)	ND(0.063)	0.03 ^{*2}	ND(0.45)	0.002		In progress	In progress
	2015/4/22	ND(0.062)	ND(0.051)	0.02 ^{*2}	ND(0.44)	0.002		In progress	In progress
	2015/3/3	0.079	0.23	0.14 ^{*2}	1.4	0.23		ND(6 × 10 ⁻⁶)	ND(8 × 10 ⁻⁶)
T-0-2	2015/8/3	ND(0.75)	ND(0.56)	ND(17) ^{*1}	In progress				
	2015/7/27	ND(0.64)	ND(0.68)	ND(20) ^{*1}	ND(1.7)				
M-102	2015/6/11	0.0030	0.013		0.11	In progress			
	2015/4/27	0.013	0.047		0.12	0.017			
T-0-3A	2015/8/3	ND(0.73)	ND(0.78)	ND(17) ^{*1}	In progress				
	2015/7/27	ND(0.71)	ND(0.74)	ND(20) ^{*1}	ND(1.7)				
F-P01	2015/7/21	ND(0.054)	0.10	0.03 ^{*2}	ND(0.46)	In progress		In progress	In progress
	2015/6/16	ND(0.055)	ND(0.052)	0.03 ^{*2}	ND(0.46)	0.004		In progress	In progress
	2015/5/18	ND(0.060)	ND(0.052)	0.05 ^{*2}	ND(0.45)	0.015		In progress	In progress
	2015/4/22	ND(0.068)	ND(0.050)	0.02 ^{*2}	ND(0.44)	0.010		In progress	In progress
	2015/3/3	ND(0.068)	0.075	0.04 ^{*2}	ND(0.43)	0.004		ND(6 × 10 ⁻⁶)	ND(6 × 10 ⁻⁶)
T-0-3	2015/8/3	ND(0.75)	ND(0.56)	ND(17) ^{*1}	In progress				
	2015/7/27	ND(0.60)	ND(0.65)	ND(20) ^{*1}	ND(1.7)				
T-2-1	2015/8/3	ND(0.62)	ND(0.63)	14 ^{*1}	ND(1.6)				
	2015/7/6	ND(0.74)	ND(0.63)	12 ^{*1}	ND(1.7)	0.013	ND(1.6)		
	2015/4/8	ND(0.66)	ND(0.60)	8.9 ^{*1}				ND(6.9 × 10 ⁻⁶)	(9.7 ± 2.4) × 10 ⁻⁶



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+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

(20km)

T-D1	2015/6/22	0.0061	0.027	ND(16) ^{*1}	ND(0.34)					S
	2015/6/8	0.0047	0.015	ND(15) ^{*1}	ND(0.35)	ND(0.0089)	ND(1.6)			S
	2015/4/8	0.0017	0.0048	ND(15) ^{*1}	0.49	ND(0.0099)	ND(2.0)	ND(7.0×10^{-6})	ND(6.8×10^{-6})	S
T-6	2015/7/7	0.030	0.11	ND(17) ^{*1}	ND(0.35)					S
F-P06	2015/7/21	ND(0.056)	ND(0.051)	0.02 ^{*2}	ND(0.45)	In progress		In progress	In progress	S
	2015/6/16	ND(0.067)	ND(0.069)	0.03 ^{*2}	ND(0.45)	0.003		In progress	In progress	S
	2015/5/18	ND(0.074)	ND(0.072)	0.04 ^{*2}	ND(0.44)	0.002		In progress	In progress	S
	2015/4/22	ND(0.056)	ND(0.050)	0.02 ^{*2}	ND(0.44)	0.002		In progress	In progress	S
	2015/3/3	ND(0.059)	ND(0.057)	0.03 ^{*2}	ND(0.43)	0.004		ND(6×10^{-6})	6×10^{-6}	S
M-103	2015/6/10	0.0050	0.020		0.13	In progress				0.5m
	2015/4/28	0.0044	0.015		0.14	0.0047				0.5m
F-P04	2015/7/21	ND(0.058)	0.054	0.02 ^{*2}	ND(0.45)	In progress		In progress	In progress	S
	2015/6/16	ND(0.062)	ND(0.053)	0.03 ^{*2}	ND(0.44)	0.002		In progress	In progress	S
	2015/5/18	ND(0.063)	0.054	0.04 ^{*2}	ND(0.45)	0.005		In progress	In progress	S
	2015/4/22	ND(0.066)	ND(0.053)	0.02 ^{*2}	ND(0.43)	0.001		In progress	In progress	S
	2015/3/3	ND(0.064)	ND(0.052)	0.03 ^{*2}	0.48	0.002		ND(7×10^{-6})	ND(8×10^{-6})	S
T-5	2015/6/23	ND(0.0018)	0.0036	ND(16) ^{*1}	ND(0.33)					S
	2015/6/10	ND(0.0019)	0.0039	ND(17) ^{*1}	ND(0.35)	ND(0.0095)	ND(1.6)			S
	2015/4/9	ND(0.0014)	0.0021	ND(17) ^{*1}	ND(0.32)	ND(0.011)	ND(1.6)	ND(5.7×10^{-6})	ND(5.6×10^{-6})	S
T-D5	2015/6/22	ND(0.0019)	0.0082	ND(16) ^{*1}	ND(0.34)					S
	2015/6/8	0.0053	0.024	15 ^{*1}	ND(0.35)	ND(0.0087)	ND(1.6)			S
	2015/4/8	ND(0.0016)	0.0062	ND(15) ^{*1}	0.70	ND(0.011)	ND(2.0)	ND(6.3×10^{-6})	ND(6.0×10^{-6})	S
M-104	2015/6/11	0.0044	0.017		0.12	In progress				0.5m
	2015/4/27	0.0040	0.015		0.091	0.0016				0.5m
F-P05	2015/7/21	ND(0.061)	0.061	0.03 ^{*2}	ND(0.45)	In progress		In progress	In progress	S
	2015/6/16	ND(0.058)	ND(0.049)	0.02 ^{*2}	ND(0.44)	0.003		In progress	In progress	S
	2015/5/18	ND(0.062)	ND(0.052)	0.03 ^{*2}	ND(0.44)	0.001		In progress	In progress	S
	2015/4/22	ND(0.075)	ND(0.066)	0.02 ^{*2}	ND(0.44)	0.002		In progress	In progress	S
	2015/3/3	ND(0.096)	ND(0.053)	0.04 ^{*2}	ND(0.43)	0.004		ND(6×10^{-6})	8×10^{-6}	S
T-D9	2015/6/23	0.0029	0.011	ND(16) ^{*1}	ND(0.33)					S
	2015/6/10	ND(0.0016)	0.0038	ND(17) ^{*1}	ND(0.35)	ND(0.0085)	ND(1.6)			S
	2015/4/9	ND(0.0017)	0.0043	ND(17) ^{*1}	ND(0.32)	ND(0.0092)	ND(1.6)	ND(6.7×10^{-6})	ND(6.5×10^{-6})	S
T-3	2015/7/7	0.014	0.065	ND(16) ^{*1}	ND(0.32)					S

km

0

10

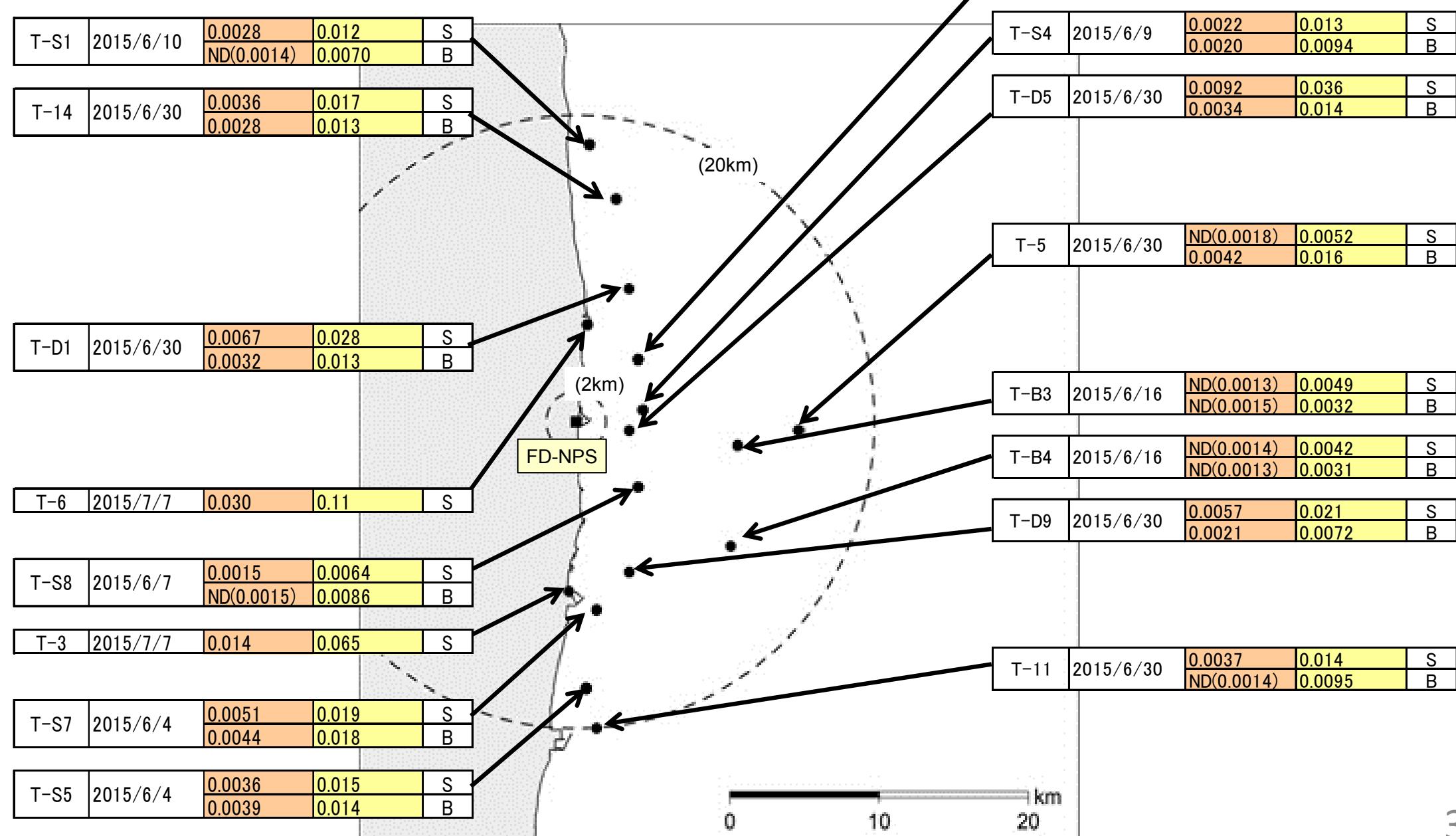
20

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

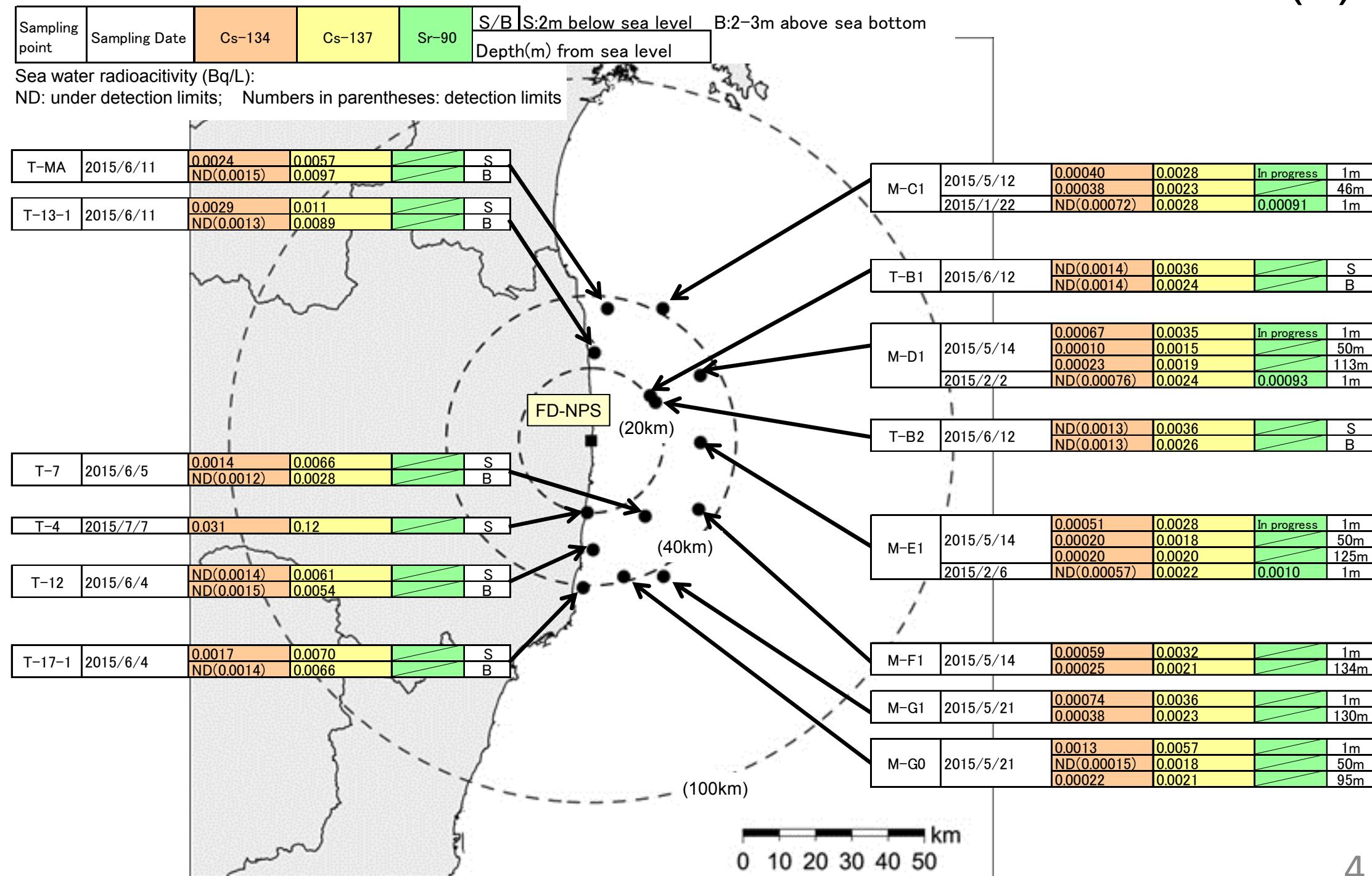
Sampling point	Sampling Date	Cs-134	Cs-137	S/B	S:2m below sea level B:2-3m above sea bottom
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Sea water radioactivity (Bq/L):

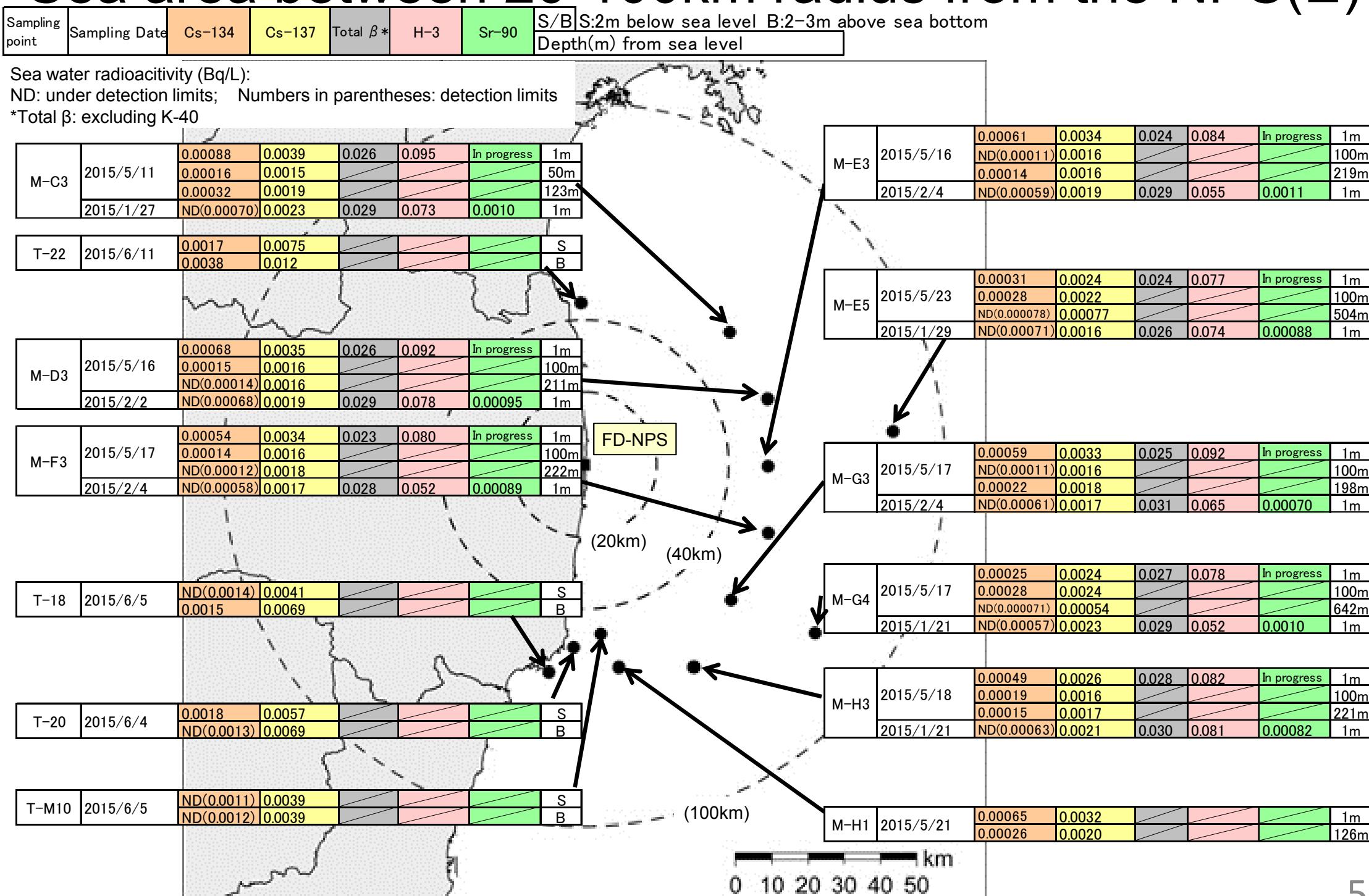
ND: under detection limits; Numbers in parentheses: detection limits



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



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
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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	2015/7/6	ND(0.0013)	0.0039		S
		ND(0.0015)	0.0026		M
		ND(0.0015)	0.0021		B

T-MG4	2015/7/6	ND(0.0017)	0.0051		S
		ND(0.0016)	0.0038		M
		ND(0.0015)	0.0022		B

T-MG5	2015/7/6	ND(0.0018)	0.0060	In progress	S
		ND(0.0015)	0.0017		M
		ND(0.0016)	0.0029		B
	2015/5/7	ND(0.0014)	0.0053	ND(0.0078)	S

T-MG6	2015/7/6	ND(0.0015)	0.0039		S
		ND(0.0015)	0.0040		M
		0.0015	0.0061		B

M-B1	2015/5/12	0.00075	0.0035		1m
		0.00086	0.0041		37m

M-B3	2015/5/11	0.00031	0.0022	In progress	1m
		ND(0.000094)	0.0013		50m
		0.00019	0.0017		109m

T-MG0	2015/7/6	ND(0.0013)	0.0022		S
		ND(0.0013)	0.0014		M
		ND(0.0015)	0.0021		B

M-A1	2015/5/9	0.00016	0.0015		1m
		ND(0.00012)	0.0016		100m
		0.00017	0.0016		185m

M-A3	2015/5/7	ND(0.000094)	0.0014		1m
		ND(0.00013)	0.0017		100m
		ND(0.00010)	0.00075		486m

T-MG2	2015/7/6	ND(0.0015)	0.0021		S
		ND(0.0014)	0.0024		M
		ND(0.0014)	0.0027		B

M-B5	2015/5/10	0.00024	0.0023		1m
		0.00026	0.0019		100m
		ND(0.00012)	0.0012		351m

M-MI4	2015/5/9	0.00012	0.0015		1m
		0.00011	0.0016		100m
		ND(0.00016)	0.0016		145m

T-MG3	2015/7/6	ND(0.0013)	0.0032		S
		ND(0.0014)	0.0021		M
		ND(0.0014)	0.0021		B

FD-NPS

0 50 100 km

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 Depth(m) from sea level	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

T-Z	2015/7/6	ND(0.72)	ND(1.1)		S	
		ND(0.82)	ND(1.2)		B	

T-A	2015/7/6	ND(1.2)	ND(1.2)		S	
		ND(0.86)	ND(1.2)		B	

T-B	2015/7/8	ND(1.0)	ND(1.3)		S	
		ND(1.1)	ND(1.2)		B	

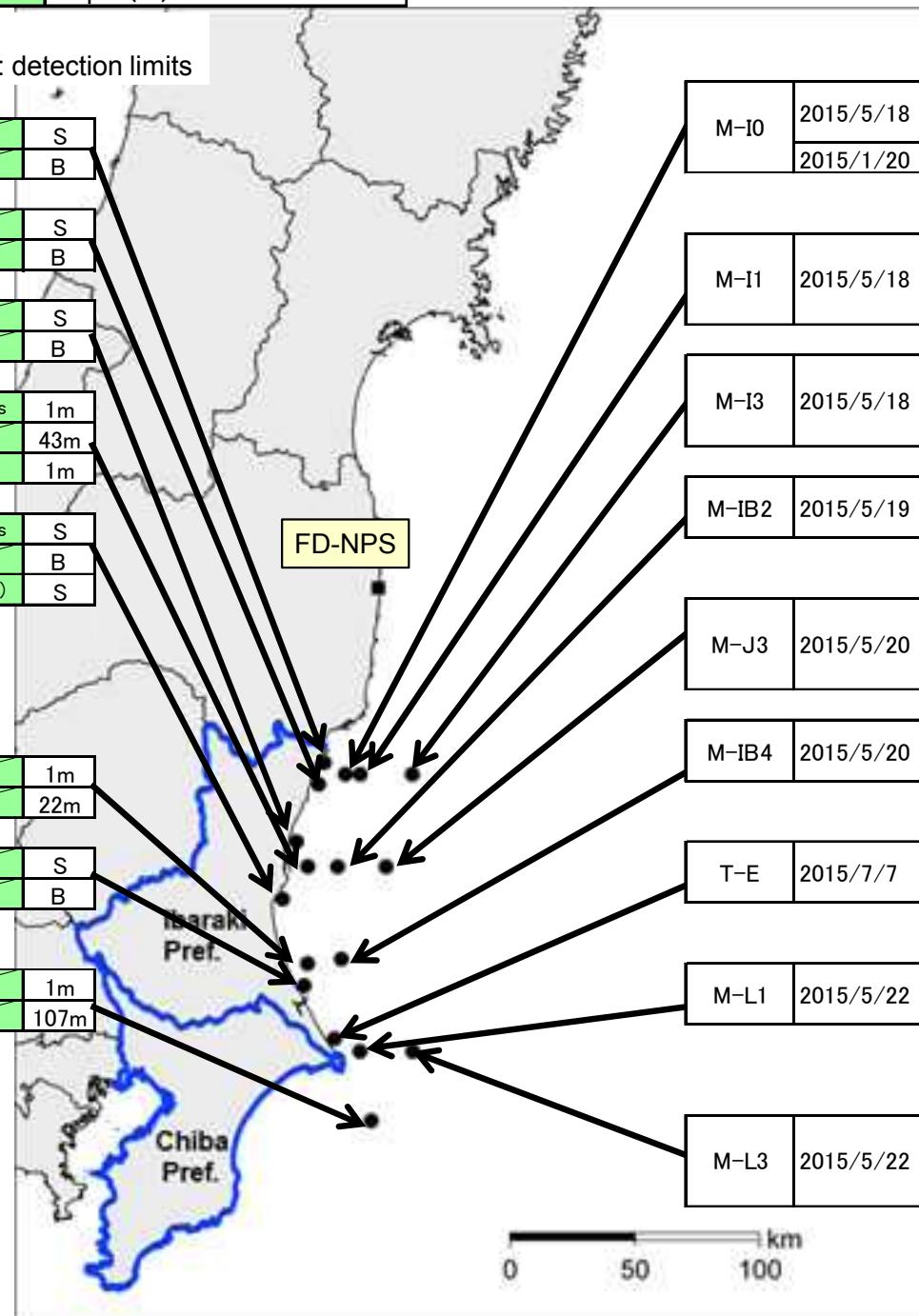
M-J1	2015/5/19	0.00060	0.0034	In progress	1m	
		0.00067	0.0035		43m	
	2015/1/19	ND(0.00060)	0.0028	0.0012	1m	

T-C	2015/7/7	ND(1.1)	ND(1.2)	In progress	S	
		ND(0.87)	ND(1.2)		B	
	2015/5/19	ND(0.94)	ND(1.2)	ND(0.0069)	S	

M-K1	2015/5/19	0.00059	0.0036		1m	
		0.00063	0.0030		22m	

T-D	2015/7/8	ND(0.95)	ND(1.2)		S	
		ND(0.93)	ND(1.2)		B	

M-M1	2015/5/22	0.00022	0.0019		1m	
		0.00040	0.0027		107m	



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

