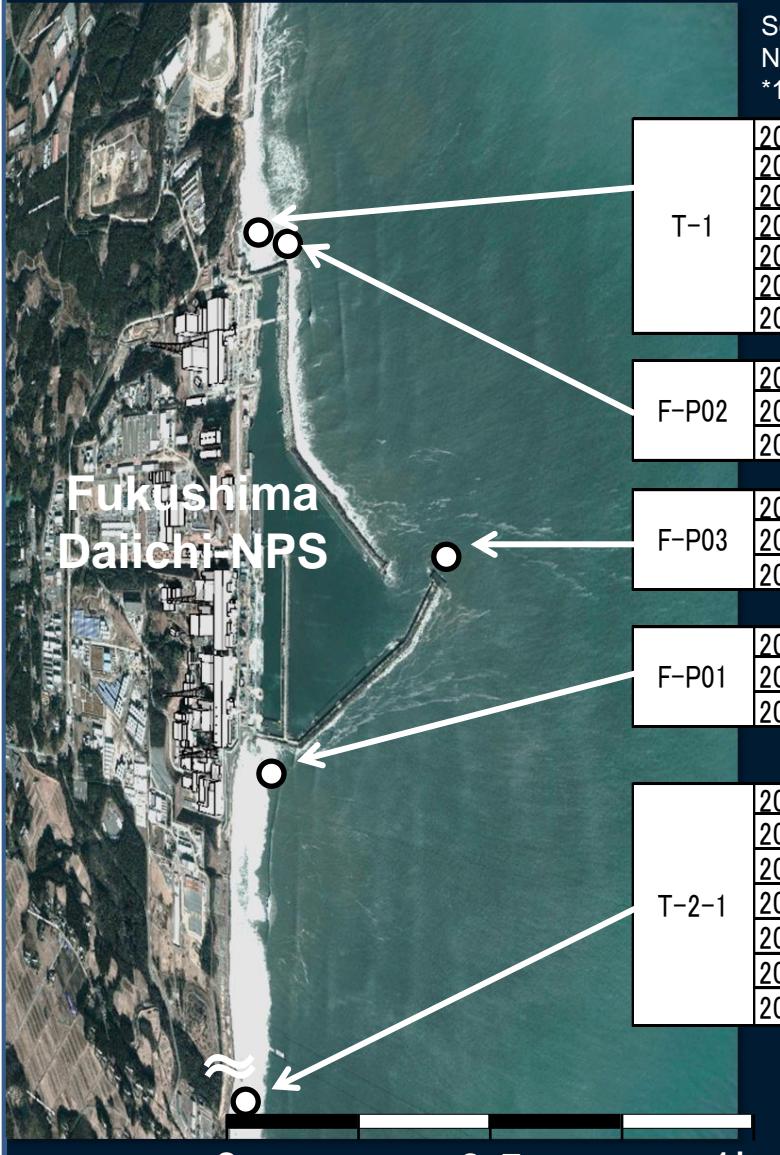


Sea Area Monitoring

August 25, 2016

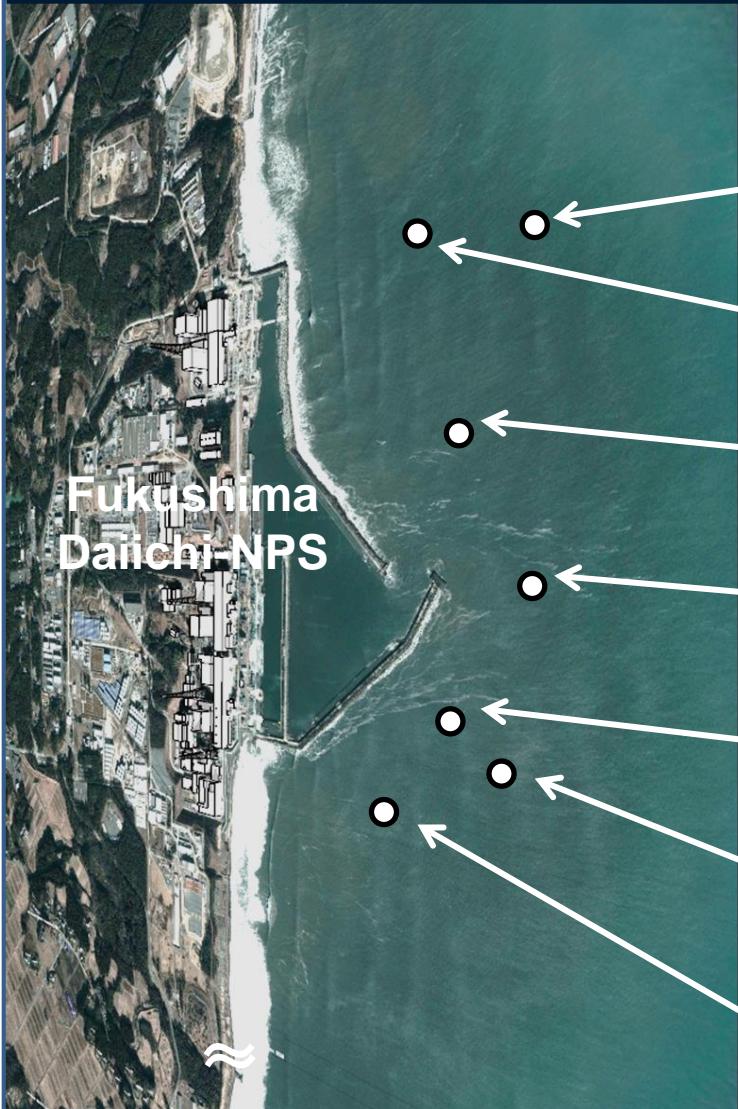
Nuclear Regulation Authority (NRA), Japan

Sea area within 2km radius from the NPS (1)



Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Gross α	Pu-238	Pu-239+Pu-240
Sea water radioactivity (Bq/L):									
ND: Not detected; Numbers in parentheses: detection limits									
*1: Gross β including K-40 *2: Gross β excluding K-40									
T-1	2016/7/25	ND(0.63)	ND(0.59)	13 ^{*1}	In progress	---	---	---	---
	2016/7/18	ND(0.61)	ND(0.68)	14 ^{*1}	ND(1.7)	---	---	---	---
	2016/7/11	ND(0.50)	ND(0.59)	11 ^{*1}	ND(1.9)	---	---	---	---
	2016/7/4	ND(0.60)	ND(0.58)	7.3 ^{*1}	ND(1.5)	---	---	---	---
	2016/6/27	ND(0.58)	ND(0.68)	12 ^{*1}	ND(1.5)	---	---	---	---
	2016/6/6	ND(0.67)	ND(0.69)	14 ^{*1}	ND(1.8)	0.0097	ND(1.6)	---	---
	2016/4/11	ND(0.70)	ND(0.62)	11 ^{*1}	ND(1.7)	---	---	ND(4.7 × 10 ⁻⁶)	(6.1 ± 1.7) × 10 ⁻⁶
F-P02	2016/6/15	ND(0.054)	0.092	0.07 ^{*2}	ND(0.35)	In progress	---	In progress	In progress
	2016/5/16	ND(0.055)	ND(0.049)	0.02 ^{*2}	ND(0.50)	0.001	---	ND(7.0 × 10 ⁻⁶)	ND(7.0 × 10 ⁻⁶)
	2016/4/20	ND(0.058)	ND(0.050)	0.03 ^{*2}	0.39	0.001	---	ND(7.0 × 10 ⁻⁶)	ND(7.0 × 10 ⁻⁶)
F-P03	2016/6/15	ND(0.064)	ND(0.060)	0.02 ^{*2}	ND(0.35)	In progress	---	In progress	In progress
	2016/5/16	ND(0.062)	ND(0.048)	0.02 ^{*2}	ND(0.51)	0.001	---	1.0 × 10 ⁻⁵	ND(1.0 × 10 ⁻⁵)
	2016/4/20	ND(0.056)	ND(0.051)	0.03 ^{*2}	ND(0.35)	0.001	---	ND(6.0 × 10 ⁻⁶)	ND(6.0 × 10 ⁻⁶)
F-P01	2016/6/15	ND(0.048)	ND(0.050)	0.04 ^{*2}	ND(0.34)	In progress	---	In progress	In progress
	2016/5/16	ND(0.058)	ND(0.043)	0.02 ^{*2}	ND(0.50)	0.001	---	ND(6.0 × 10 ⁻⁶)	ND(6.0 × 10 ⁻⁶)
	2016/4/20	ND(0.047)	ND(0.050)	0.03 ^{*2}	ND(0.35)	0.001	---	ND(7.0 × 10 ⁻⁶)	ND(7.0 × 10 ⁻⁶)
T-2-1	2016/7/25	ND(0.71)	ND(0.71)	10 ^{*1}	In progress	---	---	---	---
	2016/7/18	ND(0.58)	ND(0.53)	15 ^{*1}	ND(1.7)	---	---	---	---
	2016/7/11	ND(0.71)	ND(0.63)	11 ^{*1}	ND(1.9)	---	---	---	---
	2016/7/4	ND(0.75)	ND(0.70)	10 ^{*1}	ND(1.5)	---	---	---	---
	2016/6/27	ND(0.54)	ND(0.66)	9.4 ^{*1}	ND(1.5)	---	---	---	---
	2016/6/6	ND(0.51)	ND(0.60)	11 ^{*1}	ND(1.8)	ND(0.0065)	ND(1.5)	---	---
	2016/4/11	ND(0.79)	ND(0.76)	11 ^{*1}	ND(1.7)	---	---	ND(4.9 × 10 ⁻⁶)	(5.1 ± 1.5) × 10 ⁻⁶

Sea area within 2km radius from the NPS (2)



Sampling point	Sampling Date	Cs-134	Cs-137	Gross β *	H-3	Sr-90
Sea water radioactivity (Bq/L):						
ND: Not detected; Numbers in parentheses: detection limits						
*: Gross β including K-40						
T-0-1A	2016/7/25	ND(0.75)	ND(0.73)	ND(17)	In progress	
	2016/7/18	ND(0.73)	ND(0.78)	ND(18)	ND(1.9)	
	2016/7/11	ND(0.52)	ND(0.69)	ND(17)	ND(1.6)	
	2016/7/4	ND(0.74)	ND(0.69)	ND(17)	ND(1.6)	
	2016/6/27	ND(0.70)	ND(0.73)	ND(16)	ND(1.7)	
T-0-1	2016/7/25	ND(0.68)	ND(0.63)	ND(17)	In progress	
	2016/7/18	ND(0.62)	ND(0.53)	ND(18)	ND(1.9)	
	2016/7/11	ND(0.67)	ND(0.58)	ND(17)	ND(1.6)	
	2016/7/4	ND(0.74)	ND(0.74)	ND(17)	ND(1.6)	
	2016/6/27	ND(0.64)	ND(0.78)	ND(16)	ND(1.7)	
M-101	2016/6/15	0.0024	0.012		In progress	In progress
	2016/5/18	0.0027	0.013		0.089	In progress
	2016/4/27	0.0015	0.0068		0.096	In progress
	2016/3/3	0.012	0.063		0.14	In progress
	2016/2/3	0.0080	0.042		0.10	In progress
	2016/1/13	0.011	0.054		0.17	0.0036
T-0-2	2016/7/25	ND(0.75)	ND(0.68)	ND(17)	In progress	
	2016/7/18	ND(0.72)	ND(0.64)	ND(18)	ND(1.9)	
	2016/7/11	ND(0.75)	ND(0.64)	ND(17)	ND(1.6)	
	2016/7/4	ND(0.84)	ND(0.73)	ND(17)	ND(1.6)	
	2016/6/27	ND(0.74)	ND(0.74)	ND(16)	ND(1.7)	
M-102	2016/6/16	0.0060	0.038		In progress	In progress
	2016/5/19	0.0050	0.029		0.12	In progress
	2016/4/27	0.0023	0.013		0.14	In progress
	2016/3/2	0.0095	0.052		0.15	In progress
	2016/2/4	0.0052	0.024		0.080	In progress
	2016/1/14	0.0050	0.026		0.10	0.0015
T-0-3A	2016/7/25	ND(0.66)	ND(0.67)	ND(17)	In progress	
	2016/7/18	ND(0.85)	ND(0.69)	ND(18)	ND(1.9)	
	2016/7/11	ND(0.85)	ND(0.74)	ND(17)	ND(1.6)	
	2016/7/4	ND(0.75)	ND(0.67)	ND(17)	ND(1.6)	
	2016/6/27	ND(0.55)	ND(0.78)	ND(16)	ND(1.7)	
T-0-3	2016/7/25	ND(0.76)	ND(0.58)	ND(17)	In progress	
	2016/7/18	ND(0.73)	ND(0.76)	ND(18)	ND(1.9)	
	2016/7/11	ND(0.76)	ND(0.65)	ND(17)	ND(1.6)	
	2016/7/4	ND(0.61)	ND(0.68)	ND(17)	ND(1.6)	
	2016/6/27	ND(0.53)	ND(0.67)	ND(16)	ND(1.7)	

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

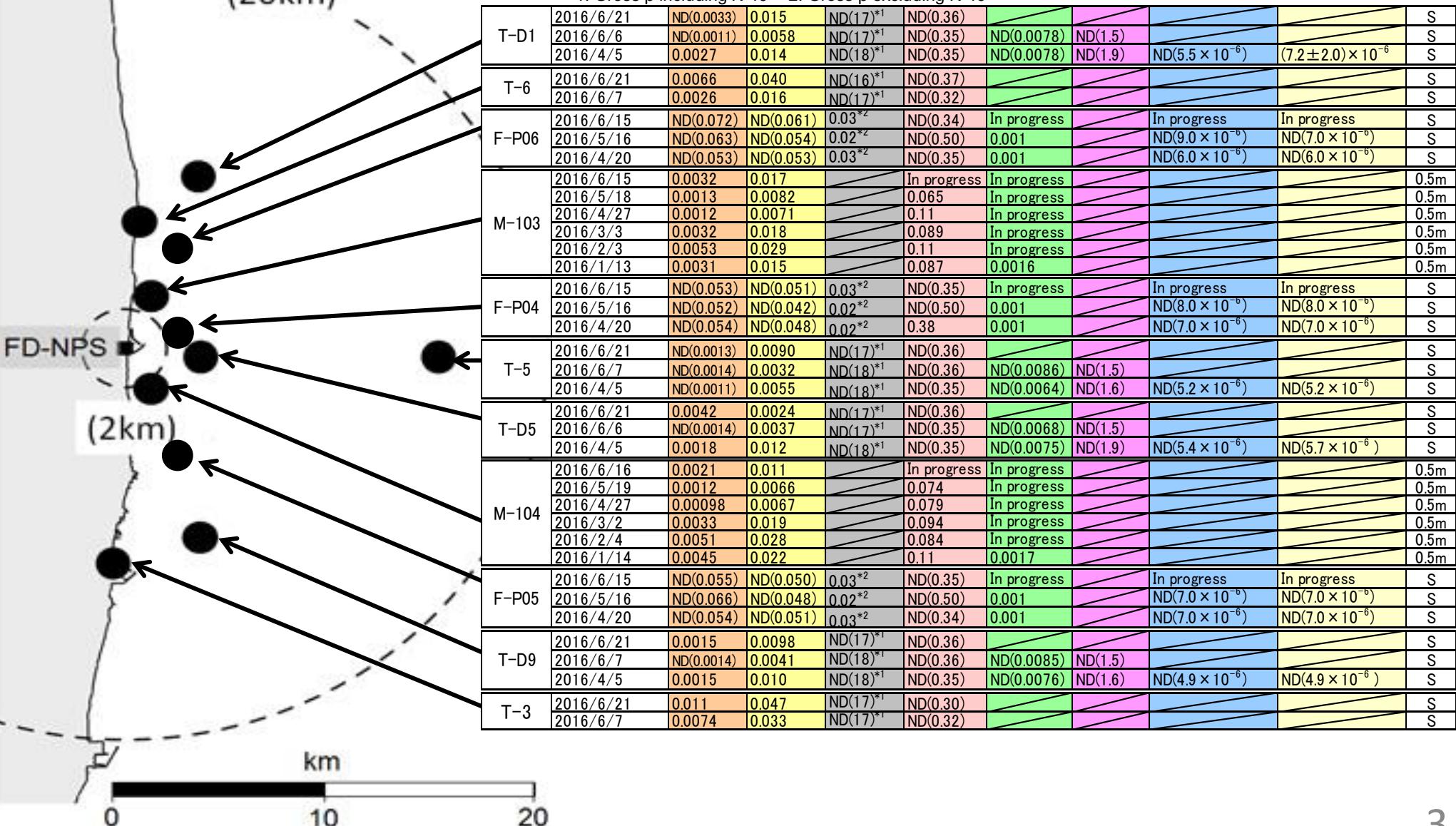
Sampling point	Sampling Date	Cs-134	Cs-137	Gross β	H-3	Sr-90	Gross α	Pu-238	Pu-239+240	S S:2m below sea level
										Depth(m) from sea level

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

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

(20km)

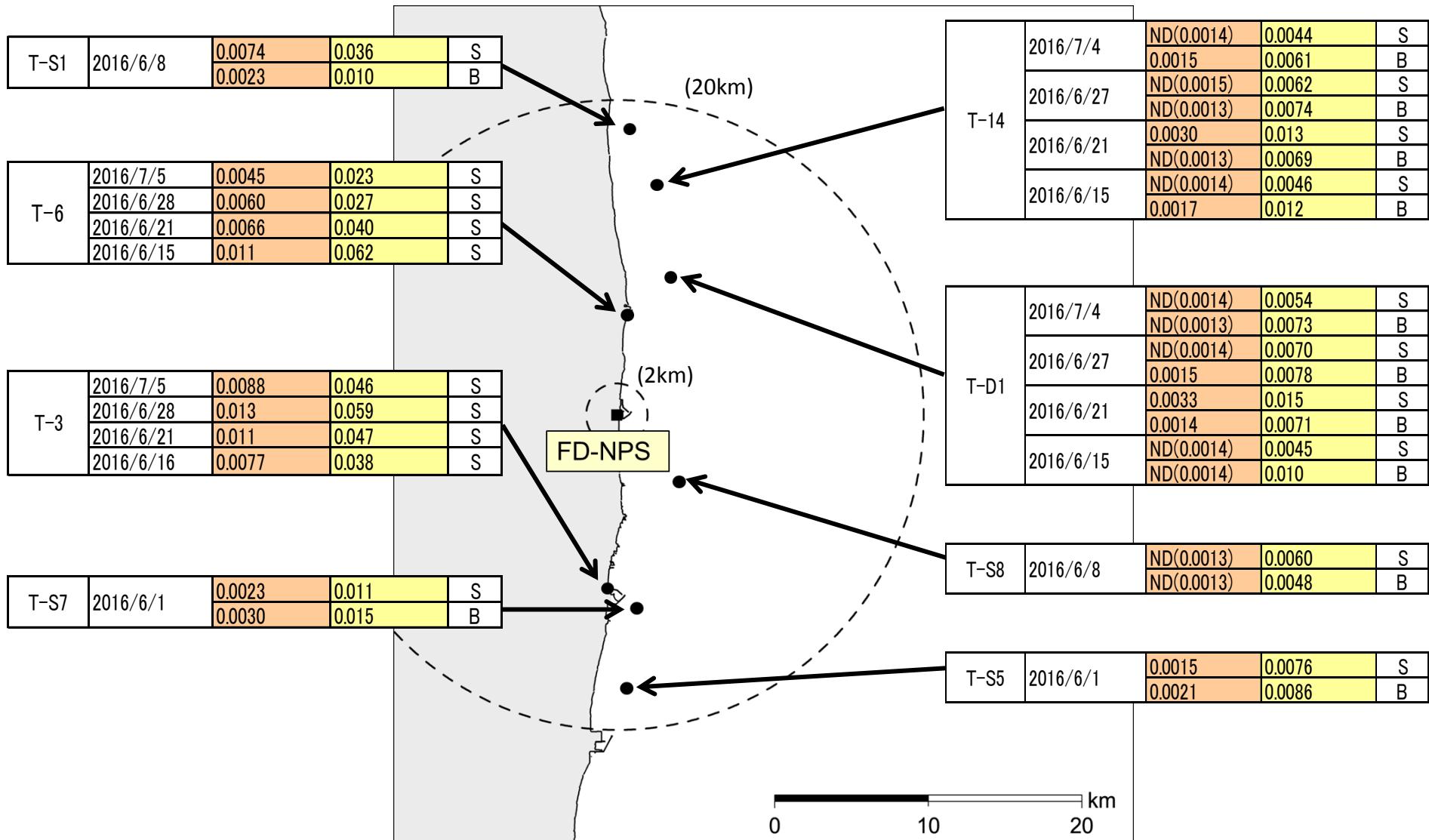


Sea area between 2-20km radius from the NPS (2)

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: Not detected; Numbers in parentheses: detection limits



Sea area between 2-20km radius from the NPS (3)

Sampling point	Sampling Date	Cs-134	Cs-137	S/B
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S: 2m below sea level
B: 2–3m above sea bottom

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

T-S3	2016/6/8	ND(0.0016)	0.0063	S
		ND(0.0013)	0.0044	B

T-S4	2016/6/8	ND(0.0013)	0.0056	S
		ND(0.0015)	0.0060	B

T-D5	2016/7/4	0.0020	0.013	S
	ND(0.0013)	0.0072		B
	2016/6/27	0.0028	0.015	S
	0.0017	0.011		B
	2016/6/21	0.0042	0.024	S
	0.0030	0.016		B
	ND(0.0013)	0.0067		S
	0.0018	0.01		B

T-D9	2016/7/4	ND(0.0014)	0.0075	S
	0.0018	0.0092		B
	2016/6/28	0.0018	0.011	S
	0.0014	0.0077		B
	2016/6/21	0.0015	0.0098	S
	0.0024	0.013		B
	2016/6/16	0.0030	0.019	S
	0.0026	0.016		B

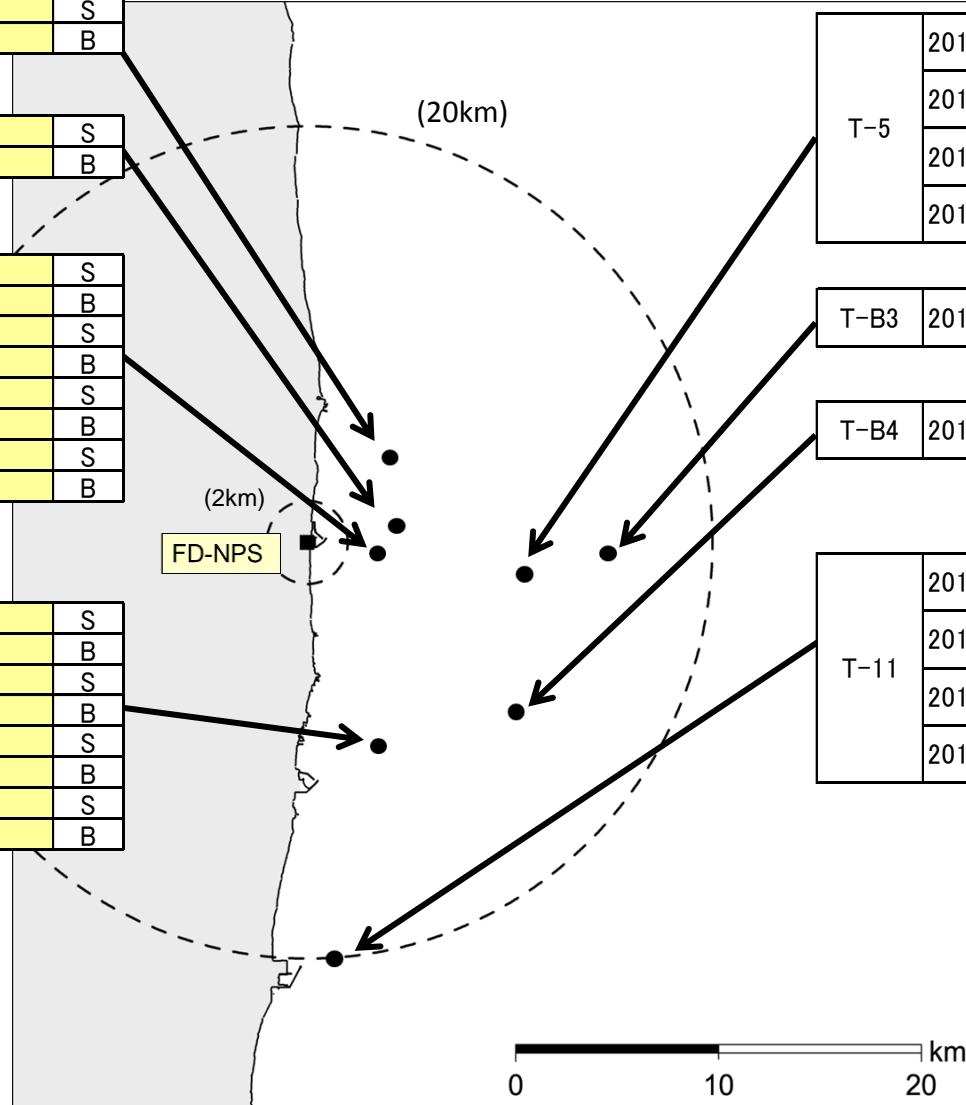
S: 2m below sea level
B: 2–3m above sea bottom

T-5	2016/7/4	ND(0.0012)	0.0056	S
	ND(0.0014)	0.0034		B
	2016/6/28	ND(0.0012)	0.0041	S
	ND(0.0014)	0.0027		B
	2016/6/21	ND(0.0013)	0.0090	S
	ND(0.0013)	0.0038		B
	2016/6/16	ND(0.0014)	0.0031	S
	ND(0.0014)	0.0050		B

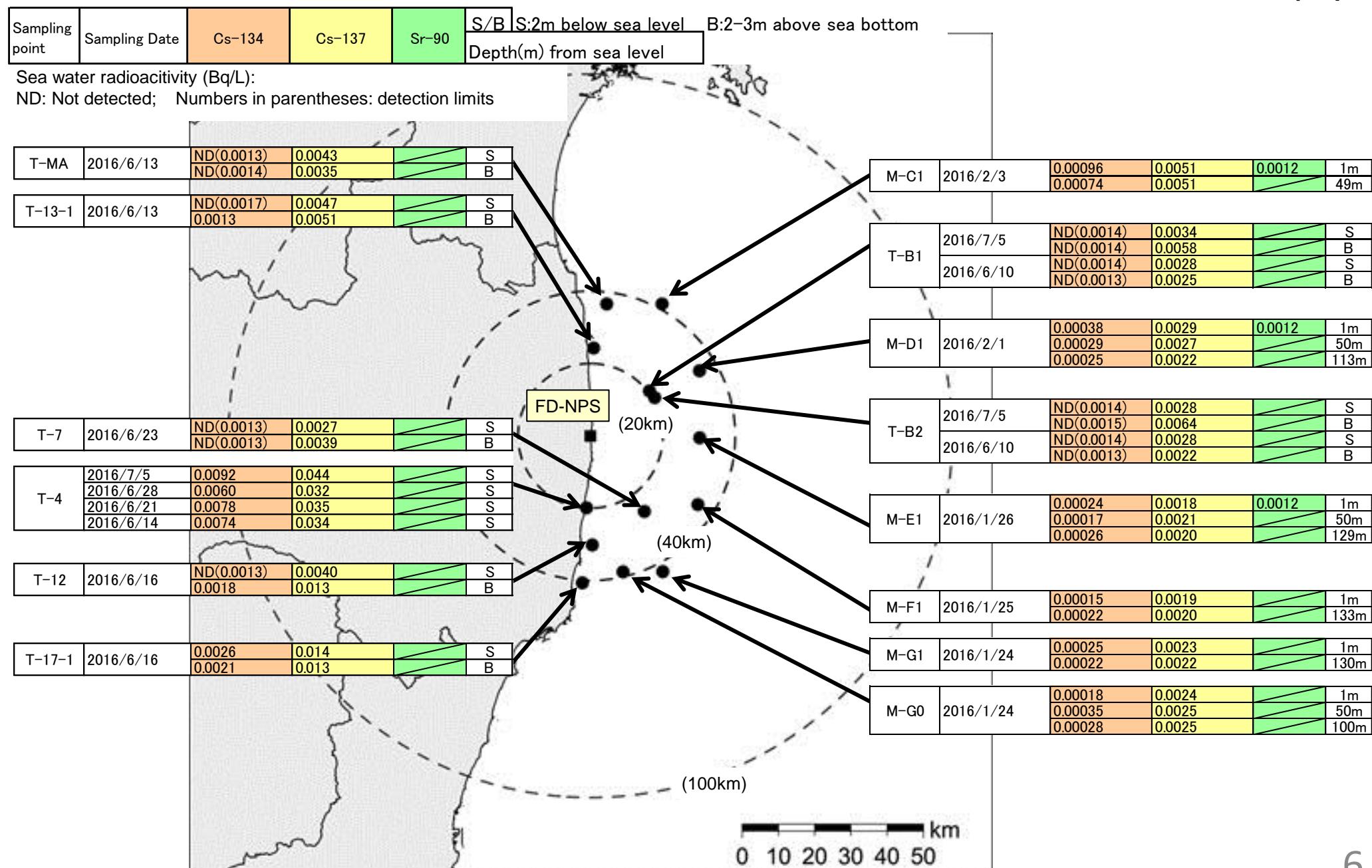
T-B3	2016/6/20	0.0030	0.019	S
	ND(0.0013)	0.0050		B

T-B4	2016/6/20	ND(0.0015)	0.0066	S
	ND(0.0014)	0.0036		B

T-11	2016/7/4	0.0018	0.011	S
	0.0019	0.011		B
	2016/6/28	ND(0.0013)	0.0073	S
	ND(0.0013)	0.0076		B
	2016/6/21	0.0020	0.015	S
	0.0016	0.012		B
	2016/6/16	0.0018	0.012	S
	ND(0.0012)	0.0078		B



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



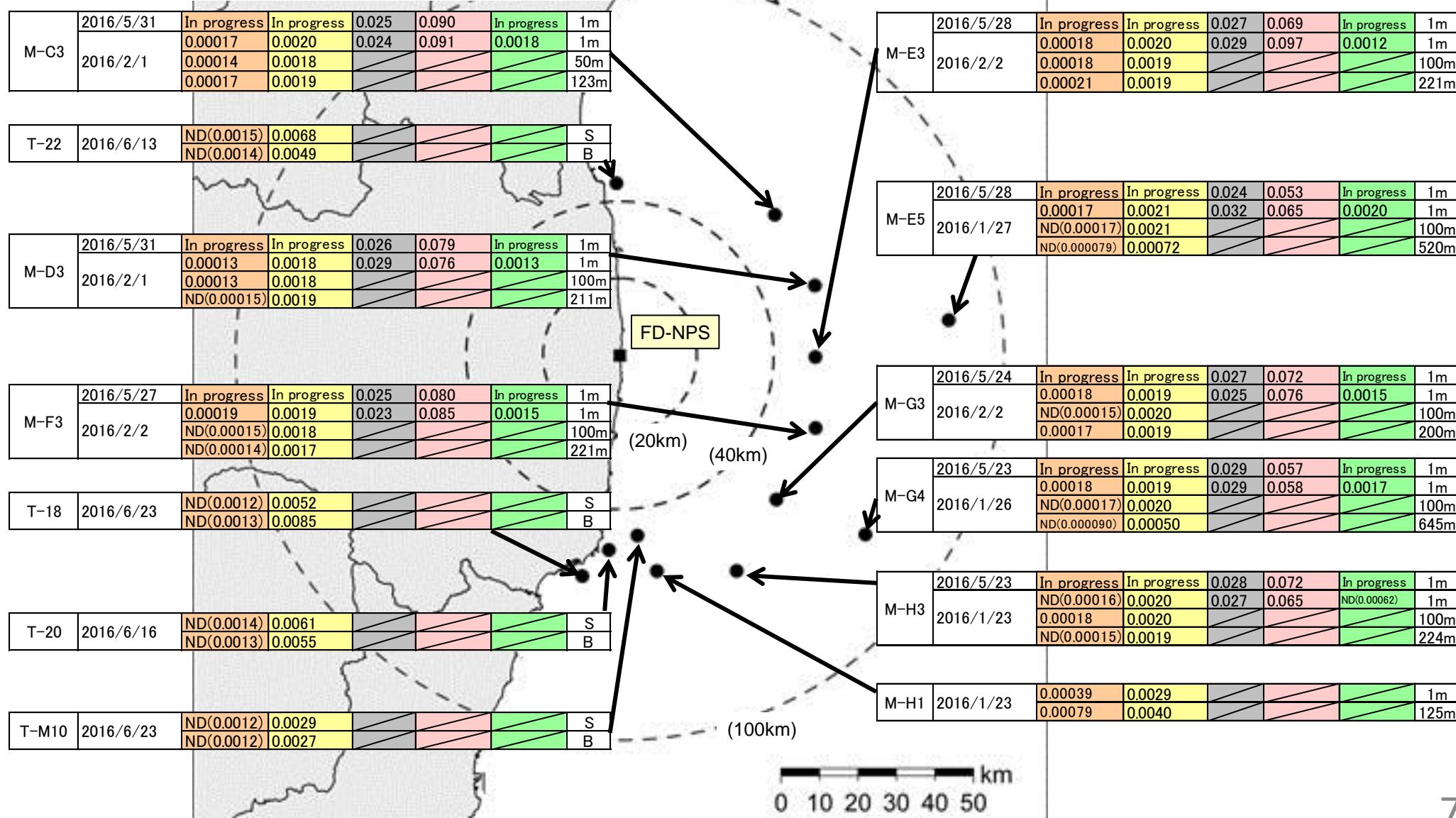
Sea area between 20-100km radius from the NPS(2)

Sampling point	Sampling Date	Cs-134	Cs-137	Gross 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: Not detected; Numbers in parentheses: detection limits

*Gross β excluding K-40



Sea area along and off the coast of Miyagi Prefecture

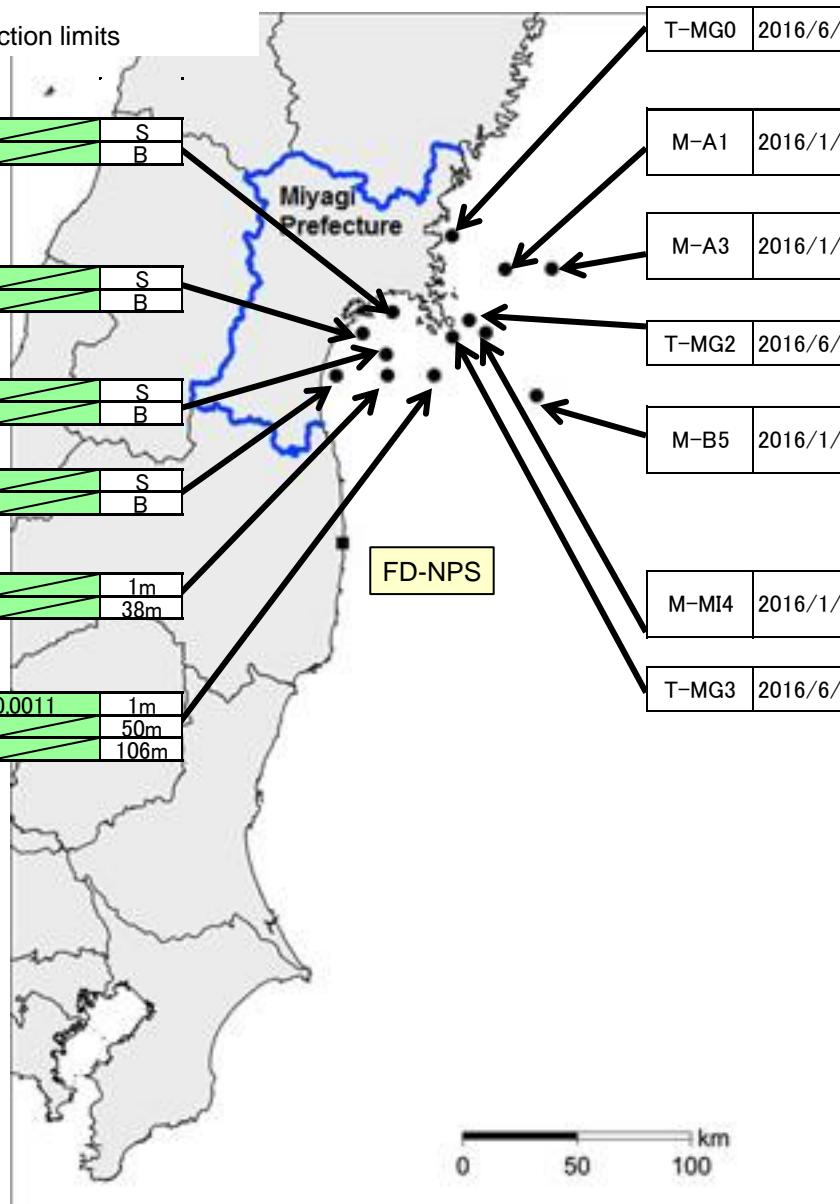
Sampling point	Sampling Date	Cs-134	Cs-137	Sr-90	S/B Depth(m) from sea level	S:2m below sea level	B:2-3m above sea bottom

Sea water radioactivity (Bq/L):

ND: Not detected; Numbers in parentheses: detection limits

T-MG0	2016/6/7	ND(0.0014)	0.0016	ND(0.0015)	0.0020	S	B
T-MG1	2016/6/7	ND(0.0014)	0.0034	S	B		
T-MG1	2016/6/7	ND(0.0014)	0.0044				
M-A1	2016/1/30	0.00017	0.0020	ND(0.00016)	0.0018	1m	
M-A1	2016/1/30	ND(0.00016)	0.0018			100m	
M-A1	2016/1/30	0.00016	0.0017			198m	
T-MG4	2016/6/7	ND(0.0015)	0.0031	S	B		
T-MG4	2016/6/7	ND(0.0016)	0.0035				
M-A3	2016/1/30	ND(0.00016)	0.0019	ND(0.00018)	0.0019	1m	
M-A3	2016/1/30	ND(0.00018)	0.0019			100m	
M-A3	2016/1/30	ND(0.00011)	0.0011			475m	
T-MG2	2016/6/7	ND(0.0014)	0.0018	ND(0.0014)	0.0020	S	B
T-MG5	2016/6/7	ND(0.0014)	0.0036	S	B		
T-MG5	2016/6/7	ND(0.0014)	0.0056				
T-MG6	2016/6/7	ND(0.0014)	0.0046	S	B		
T-MG6	2016/6/7	0.0022	0.010				
M-B5	2016/1/29	0.00015	0.0021	1m			
M-B5	2016/1/29	ND(0.00018)	0.0019			100m	
M-B5	2016/1/29	ND(0.00011)	0.0012			350m	
M-B1	2016/2/3	0.00047	0.0033	1m			
M-B1	2016/2/3	0.00051	0.0032	38m			
M-MI4	2016/1/31	ND(0.00015)	0.0019	1m			
M-MI4	2016/1/31	0.00015	0.0018			100m	
M-MI4	2016/1/31	ND(0.00014)	0.0018			142m	
T-MG3	2016/6/7	ND(0.0014)	0.0014	S	B		
T-MG3	2016/6/7	ND(0.0015)	0.0022				

M-B3	2016/1/31	0.00020	0.0021	0.0011	1m		
M-B3	2016/1/31	0.00021	0.0021	50m			
M-B3	2016/1/31	0.00013	0.0020	106m			

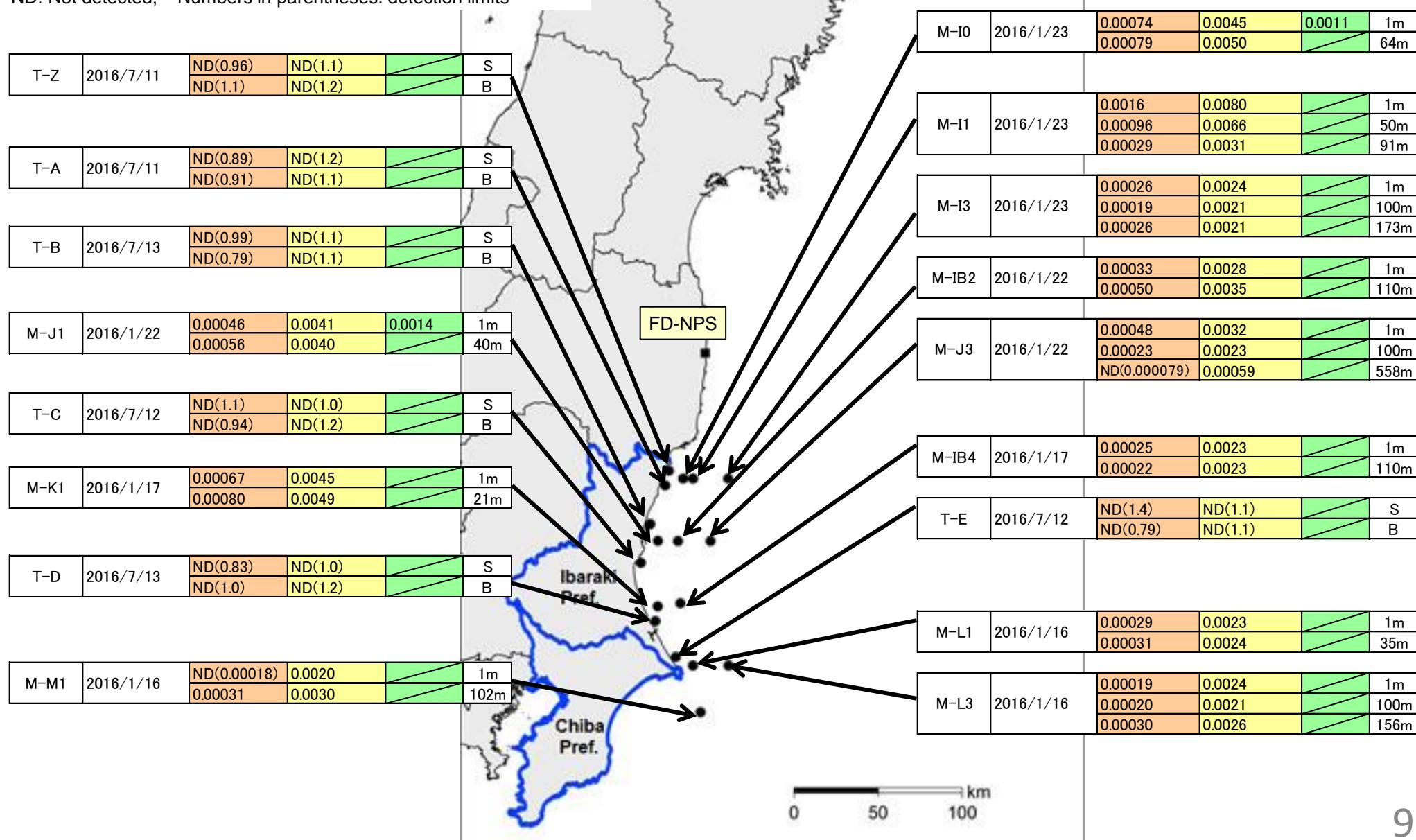


Sea area along and off the coast of Ibaraki Pref. and Chiba Pref.

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: Not detected; Numbers in parentheses: detection limits

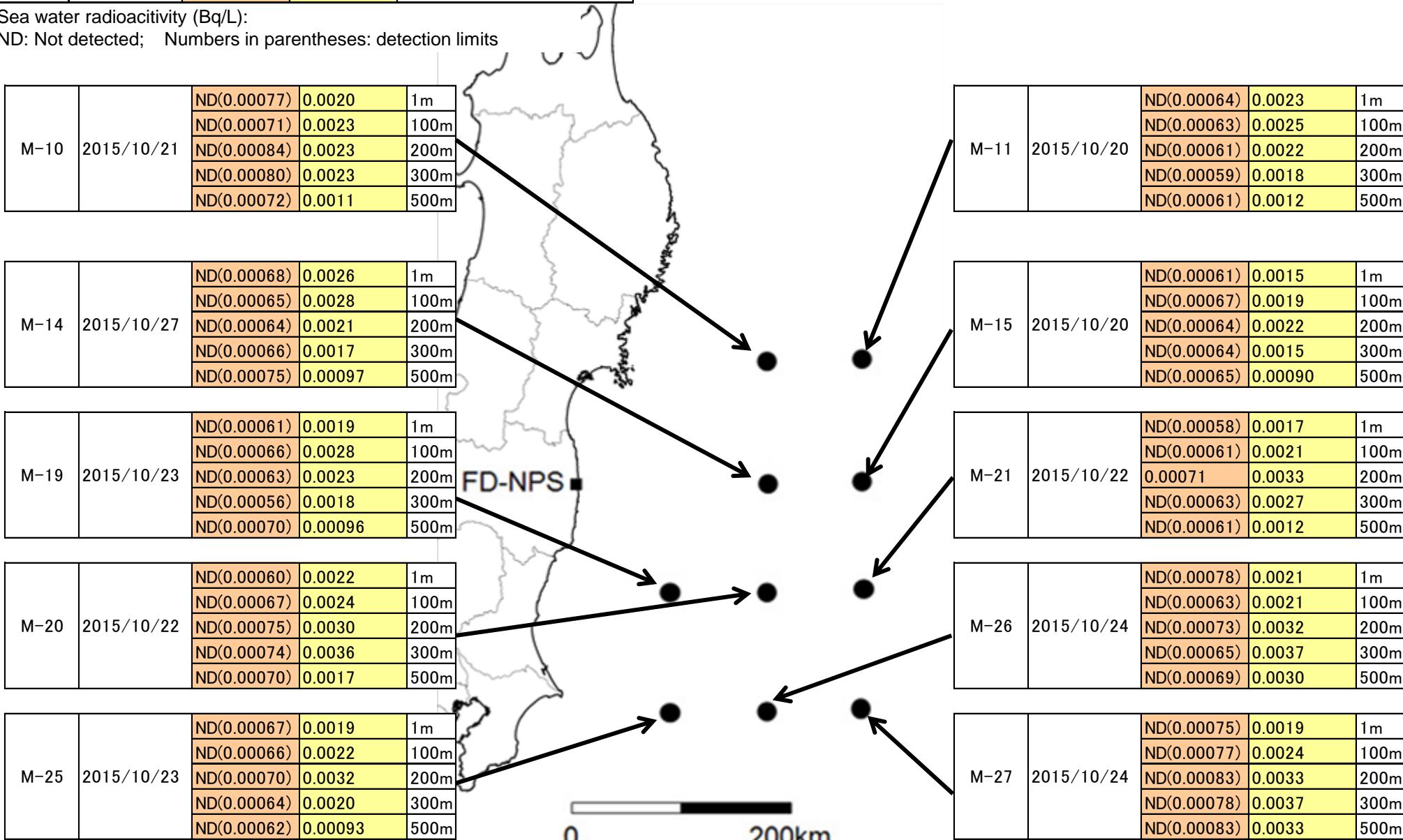


Open sea off the coast of Eastern Japan

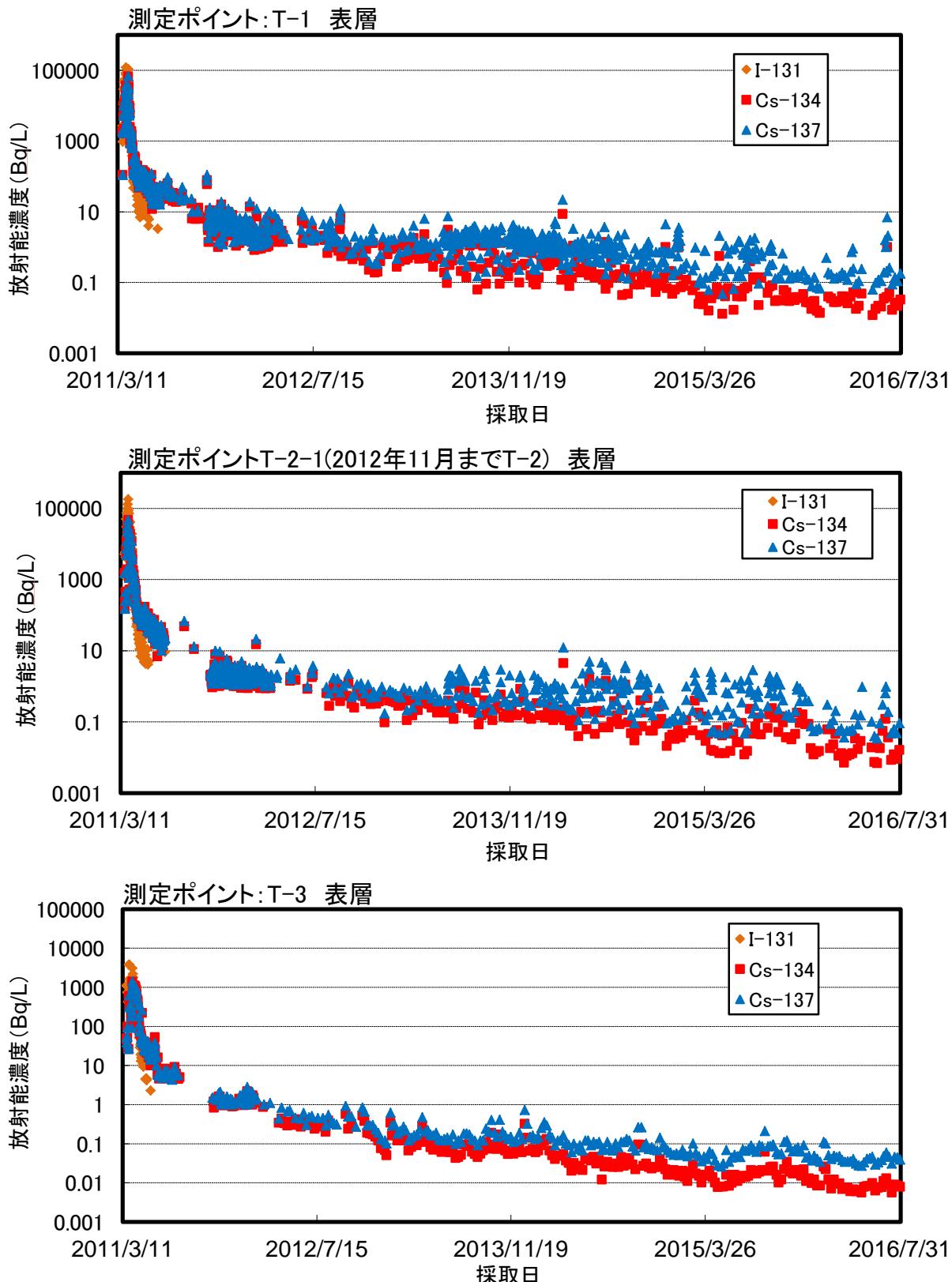
Sampling point	Sampling Date	Cs-134	Cs-137	Depth(m) from sea level
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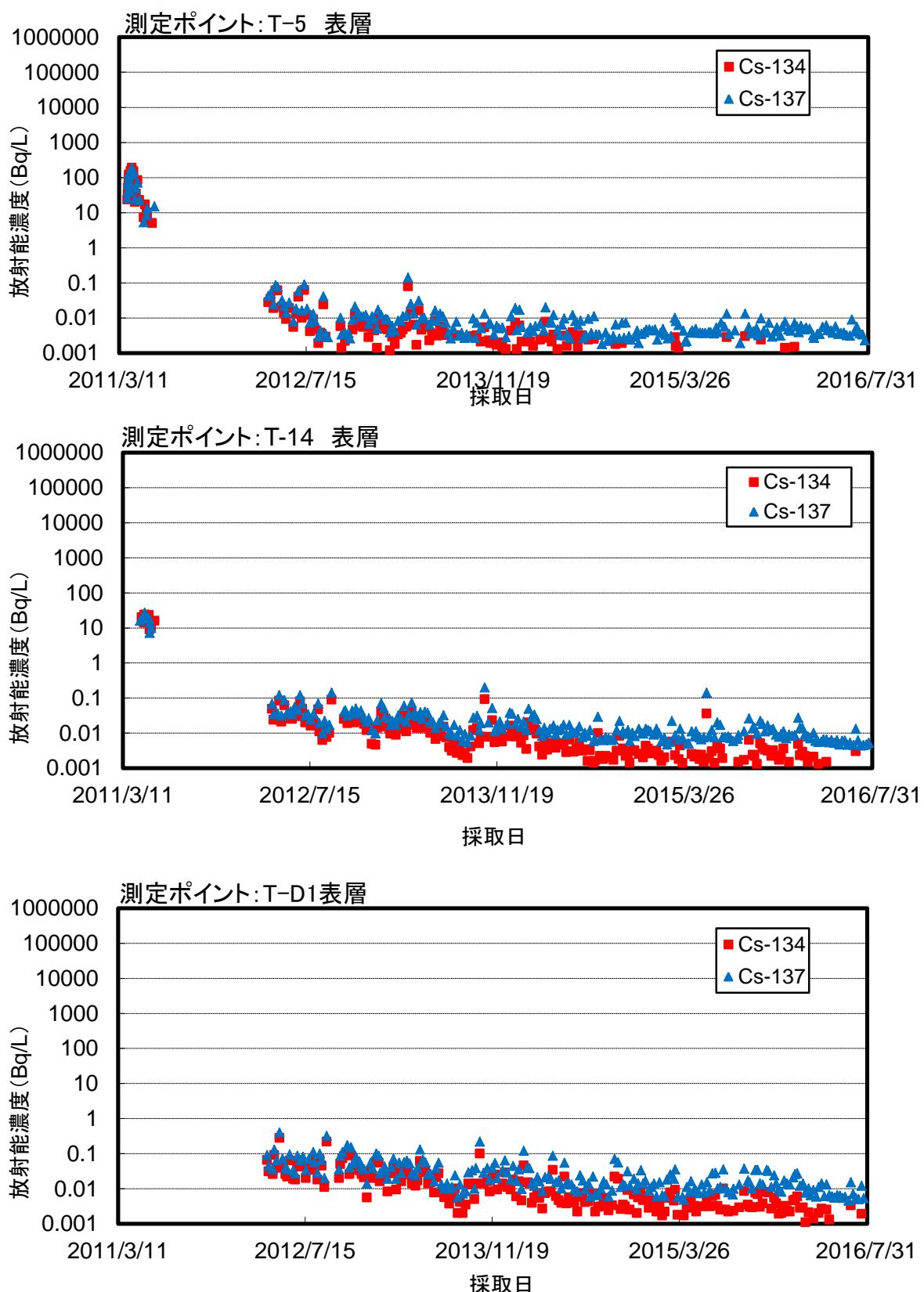
Sea water radioactivity (Bq/L):

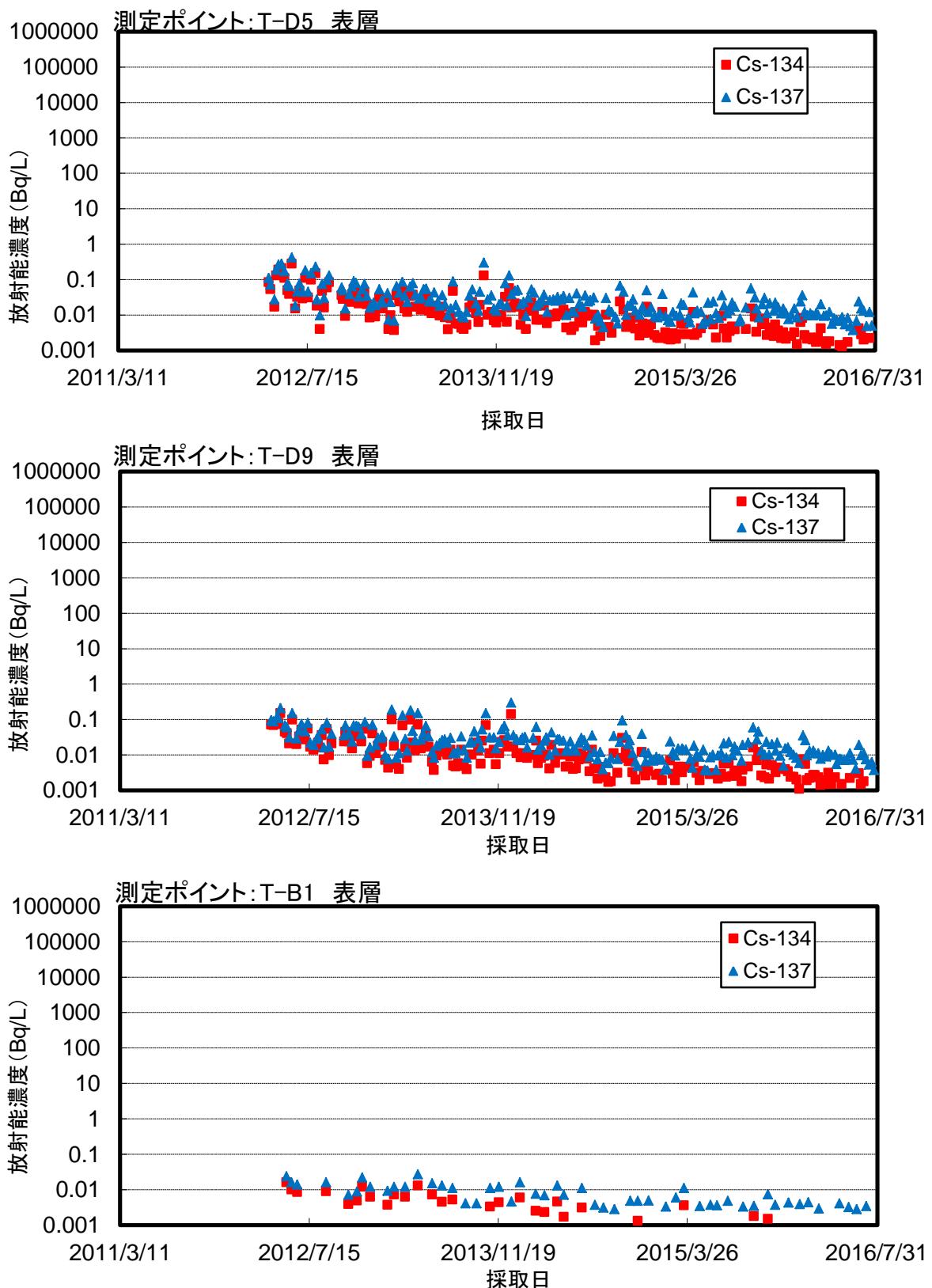
ND: Not detected; Numbers in parentheses: detection limits

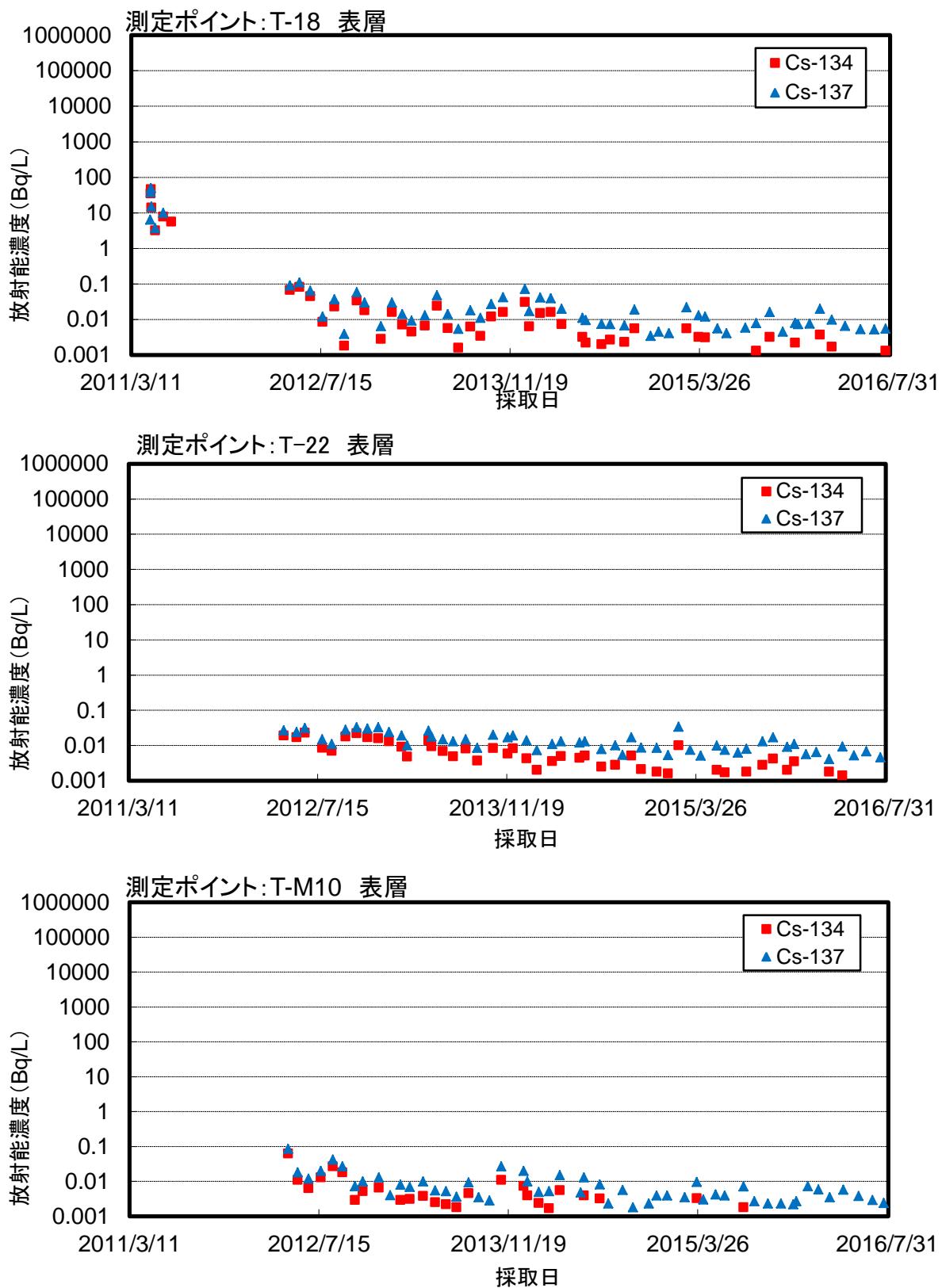


福島沿岸の海水の放射能濃度の推移

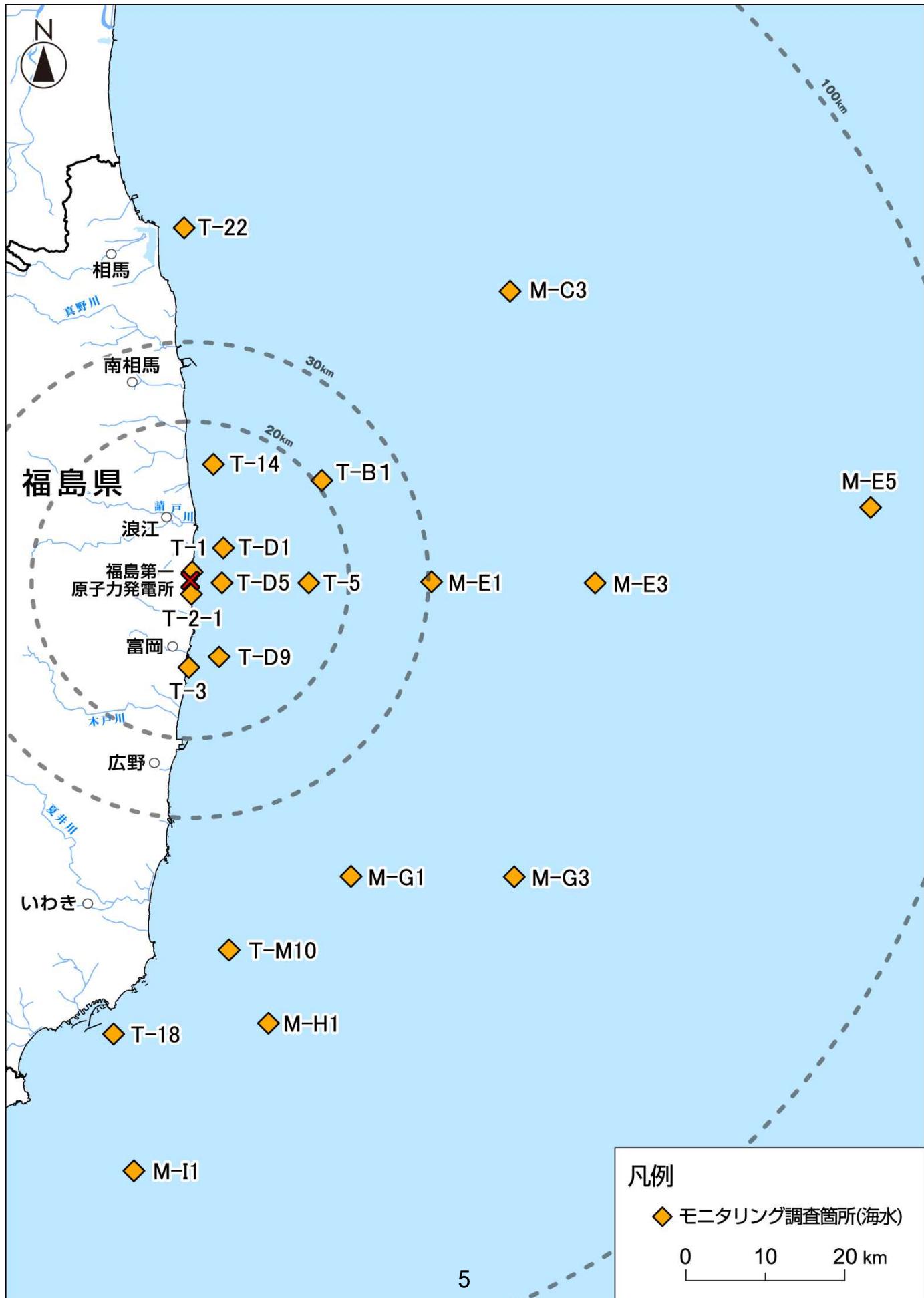






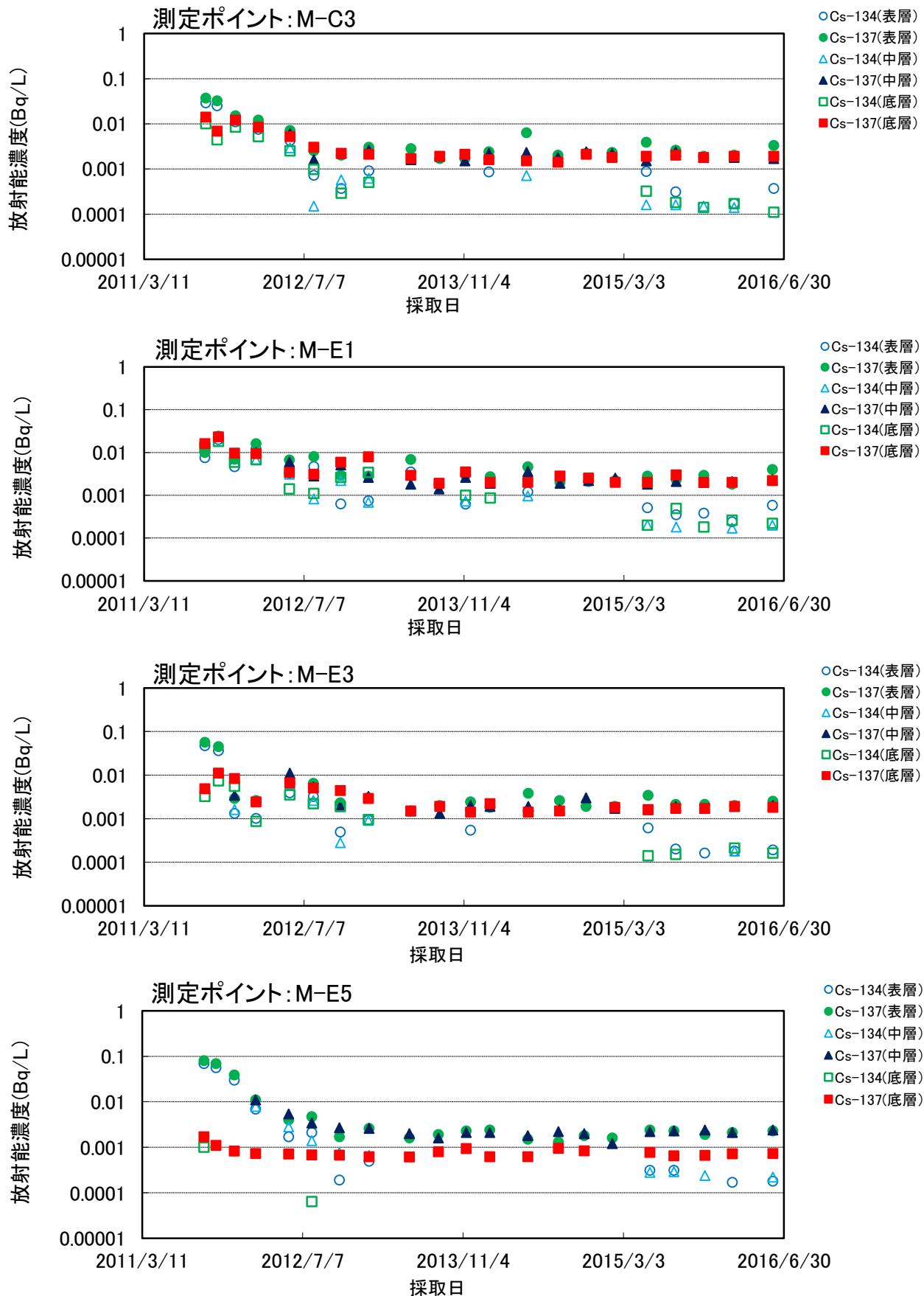


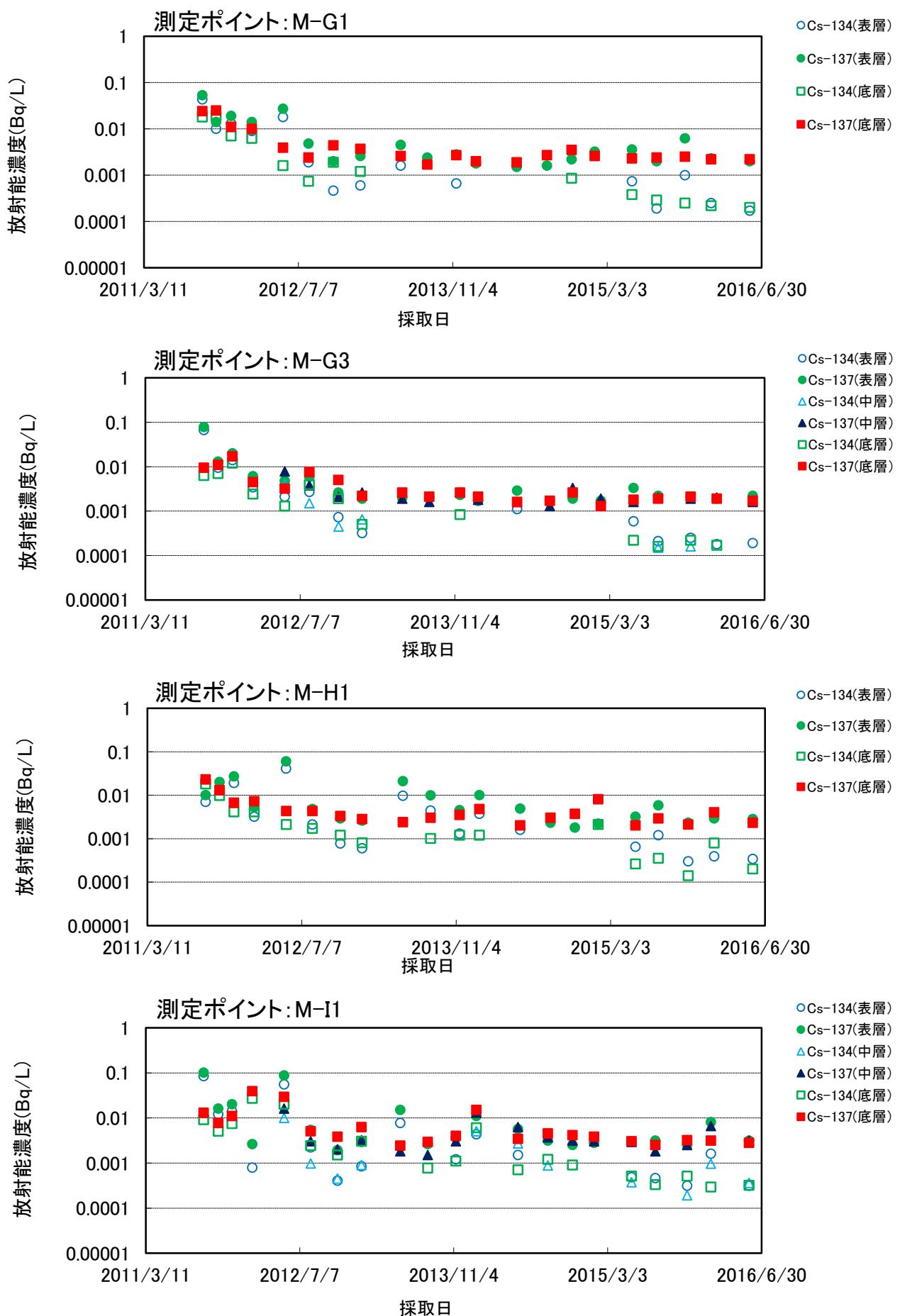
福島県沖



福島県沖合の海水の放射能濃度の推移

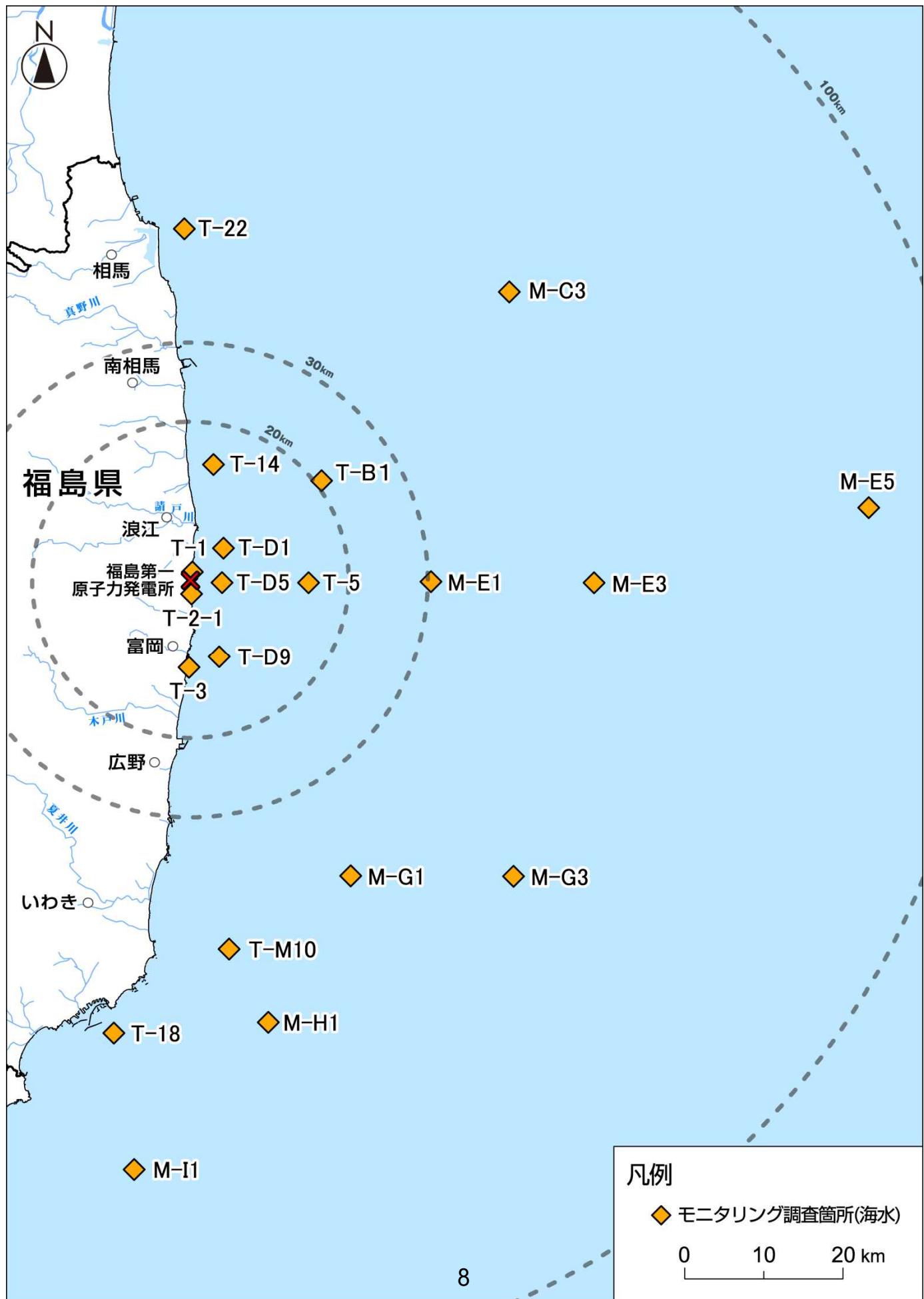
表層:海面～2m程度、中層:深度50mまたは100m、底層:海底～40m程度



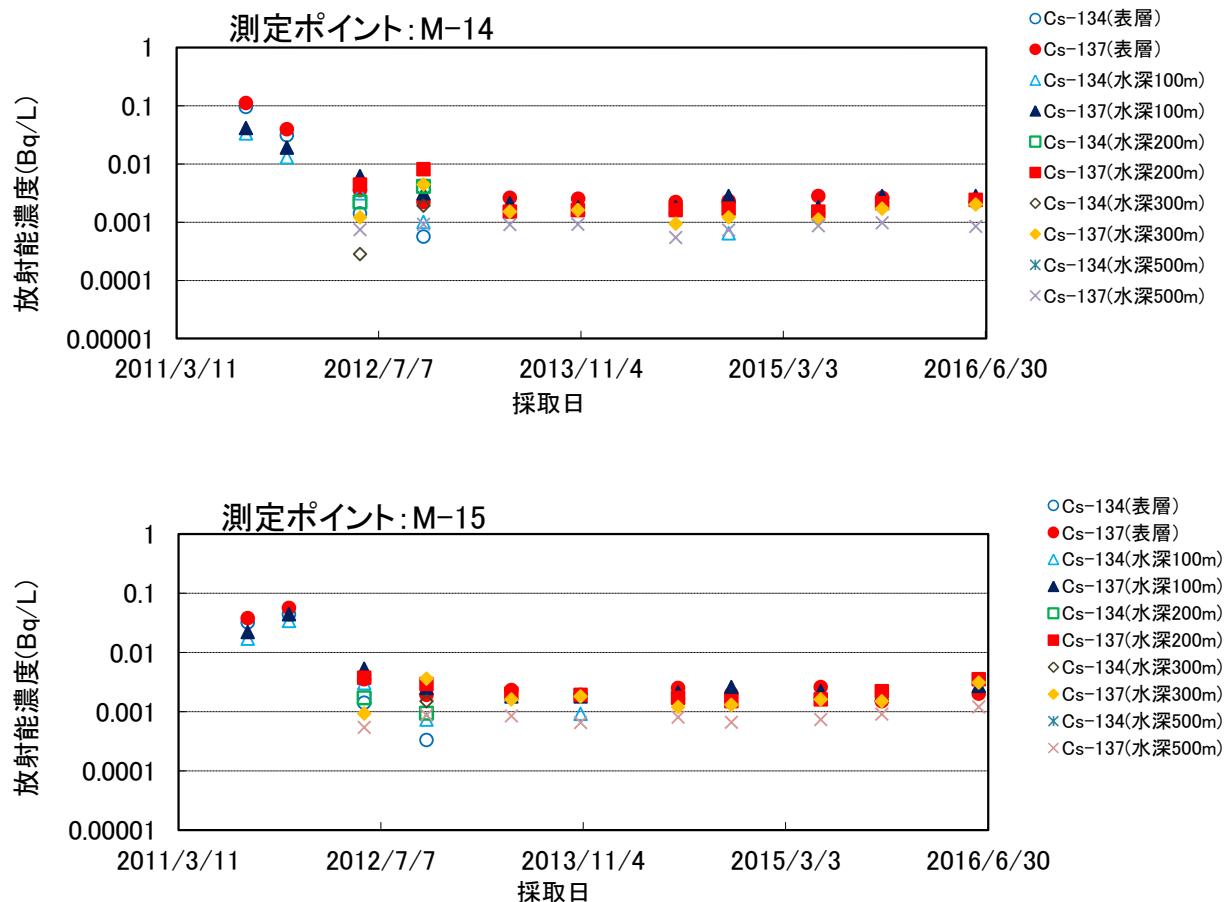


※計測値が不検出(ND)であった場合は、それをグラフ上に表示していない。

福島県沖



外洋の海水の放射能濃度の推移

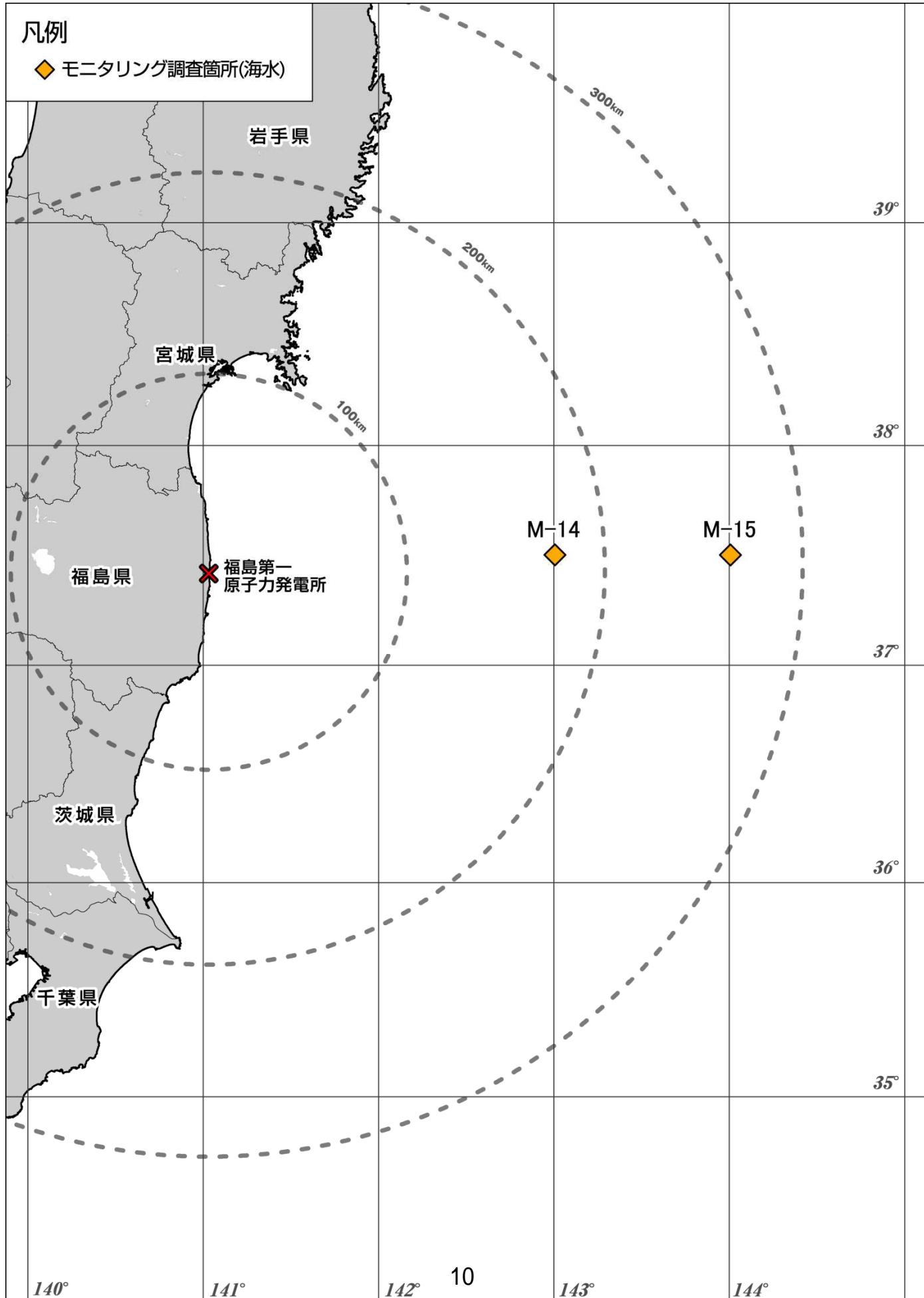


※計測値が不検出(ND)であった場合は、それをグラフ上に表示していない。

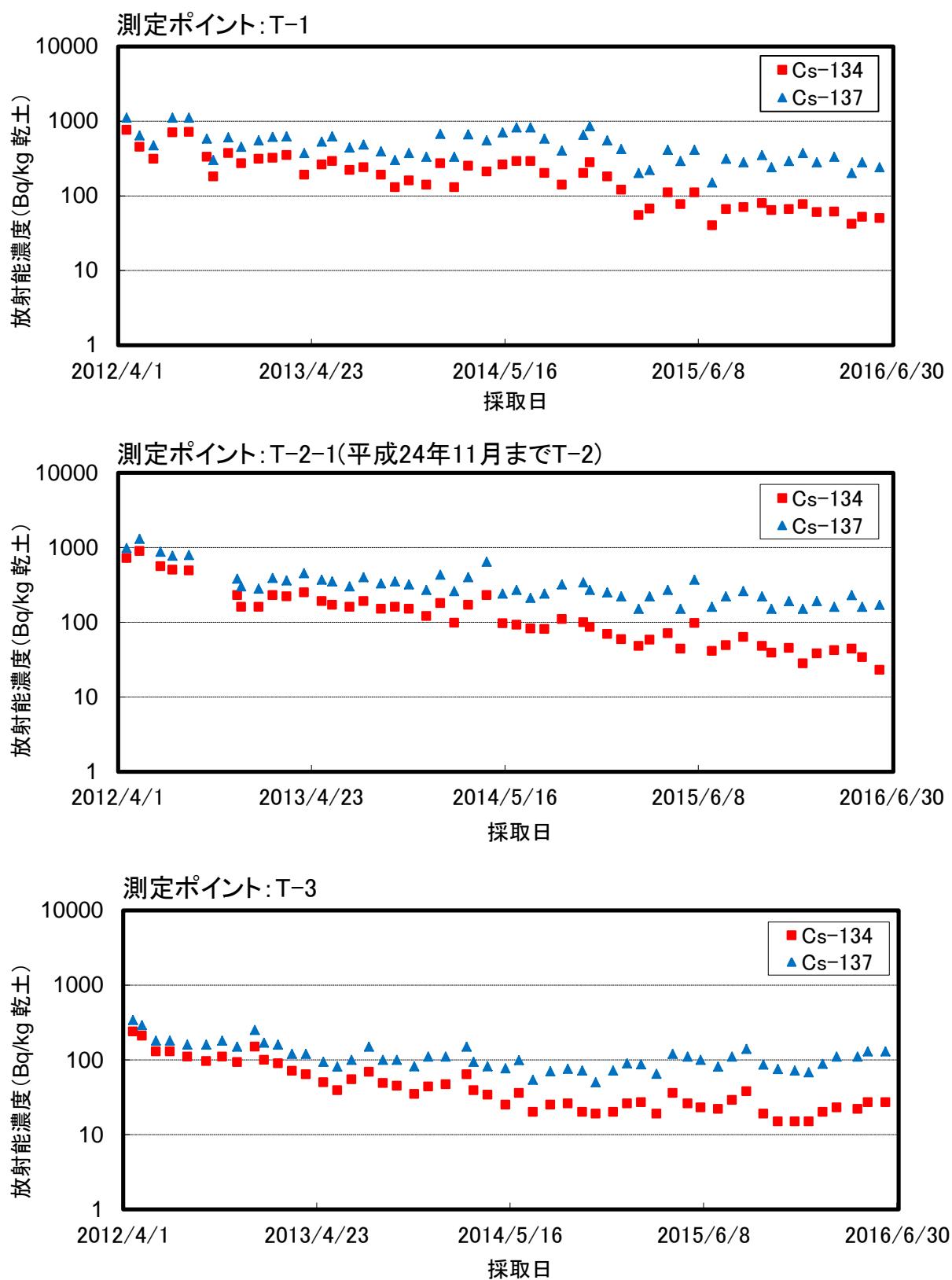
外洋海域

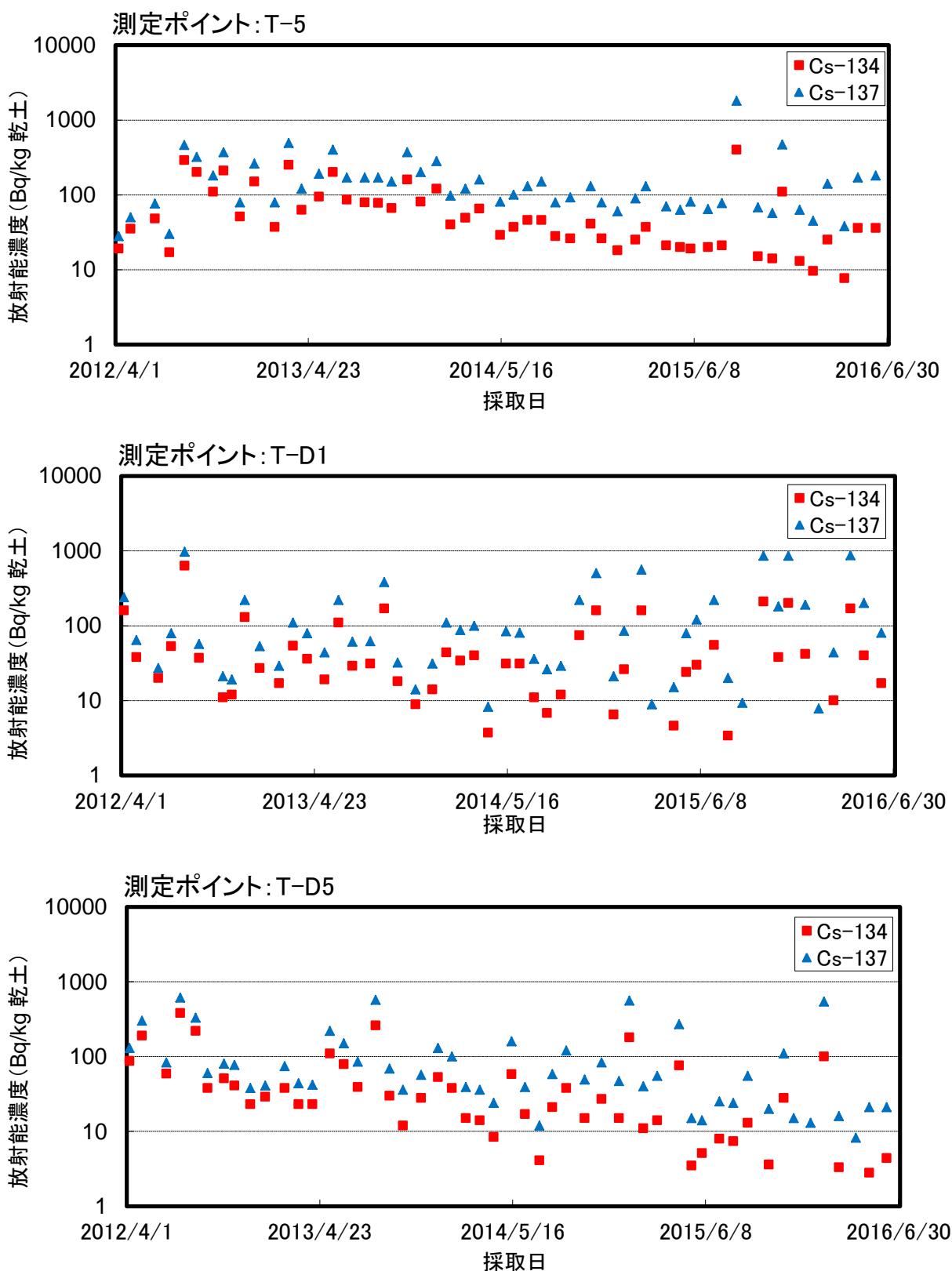
凡例

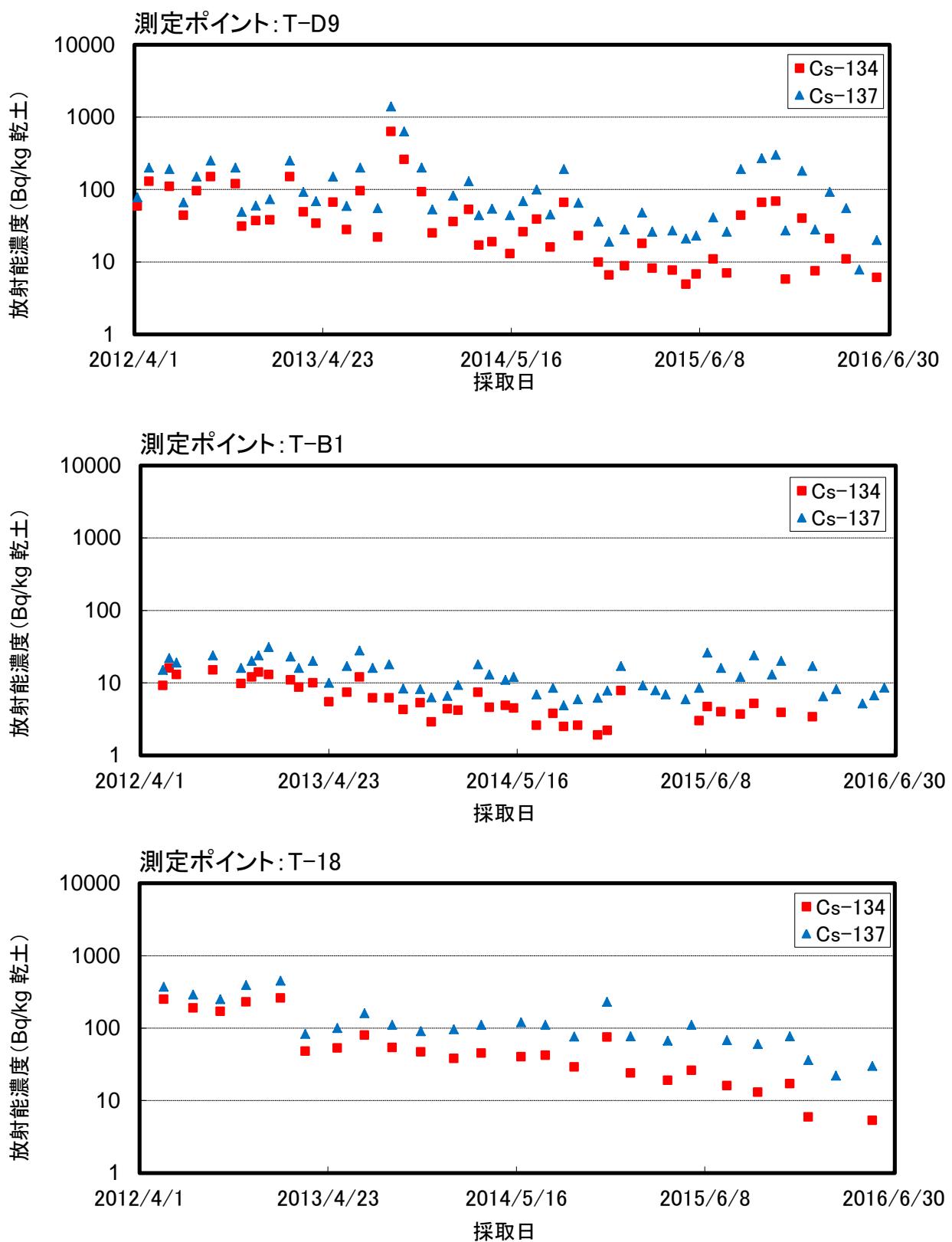
◆ モニタリング調査箇所(海水)

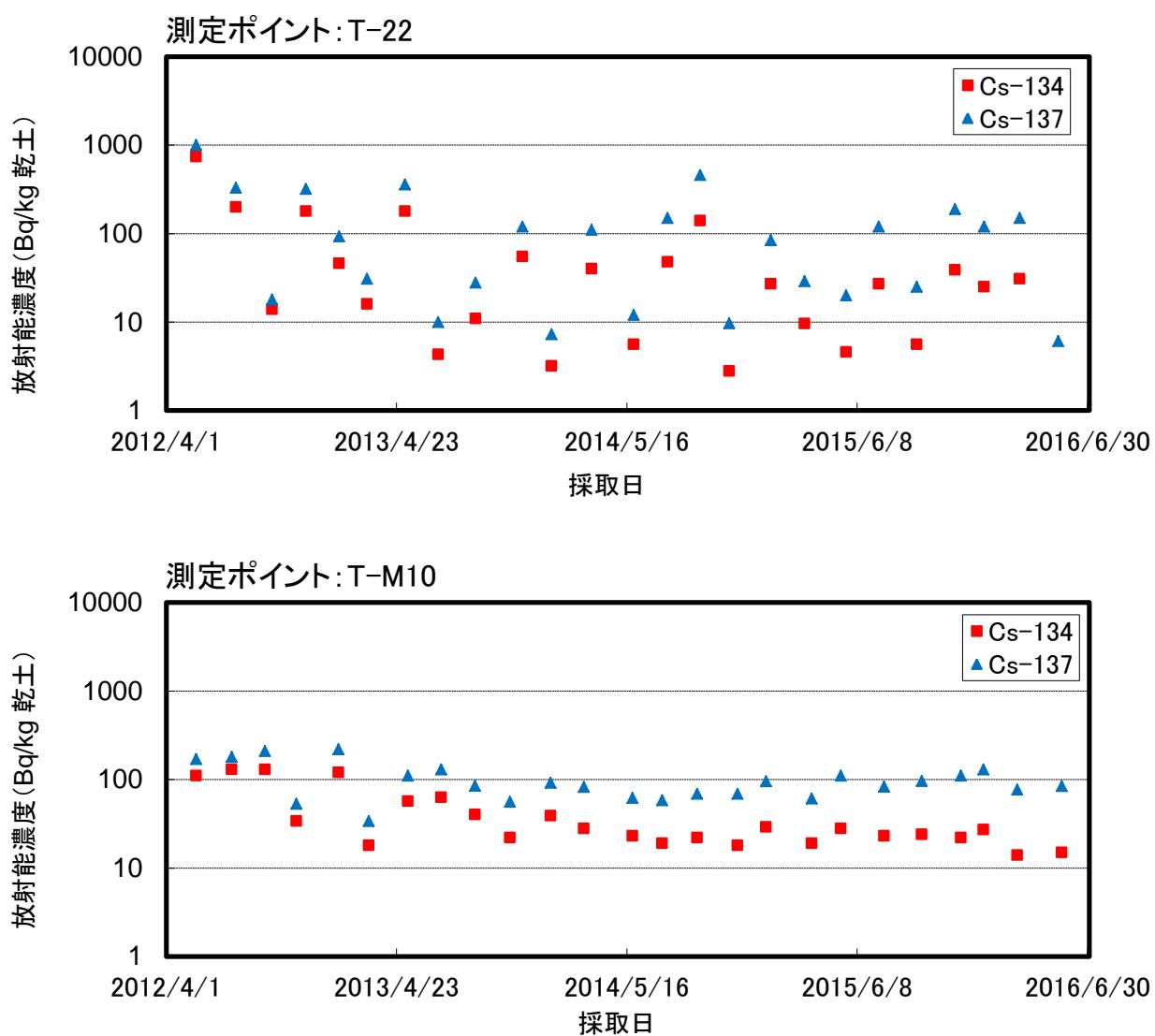


福島沿岸の海底土の放射能濃度の推移

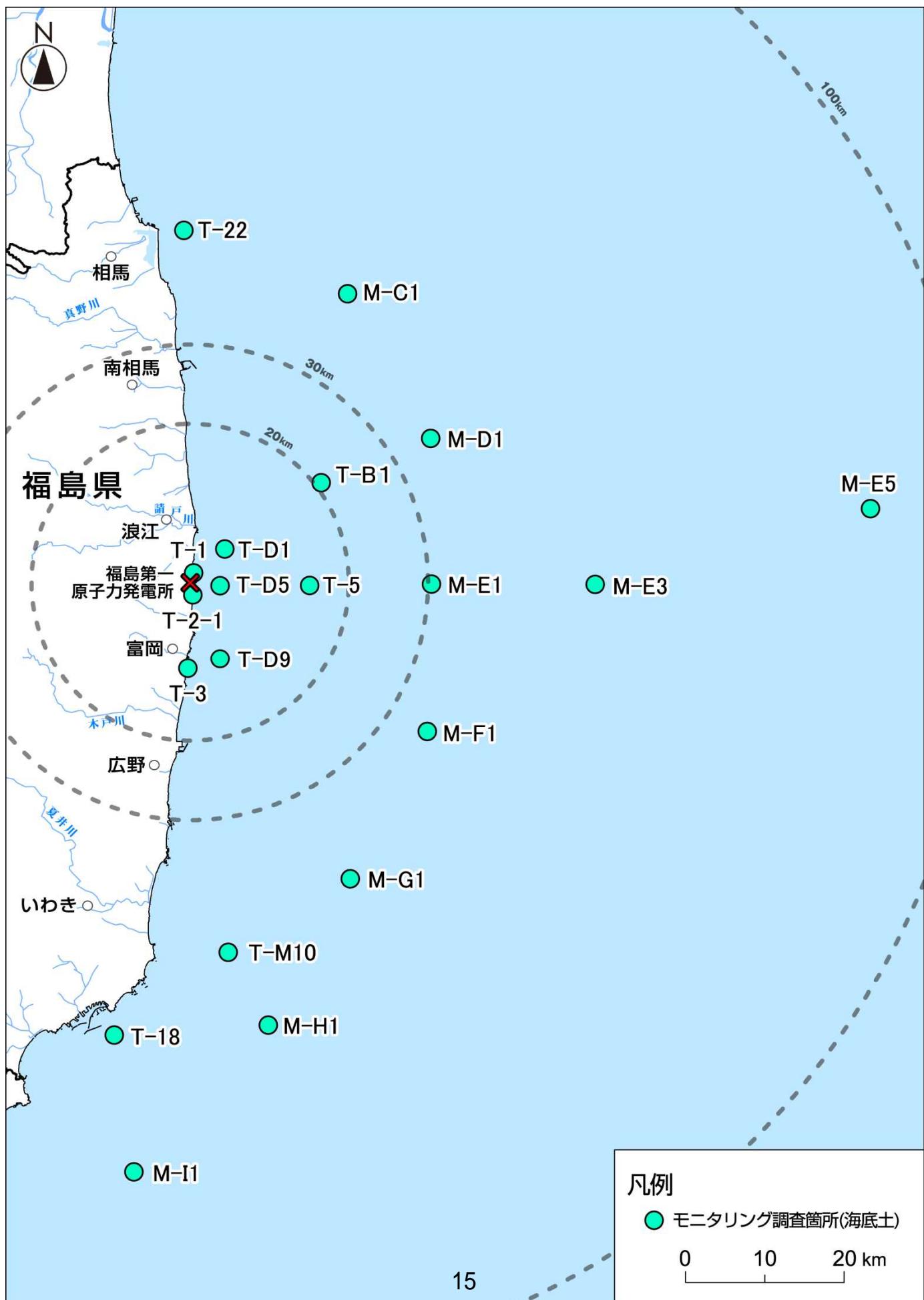






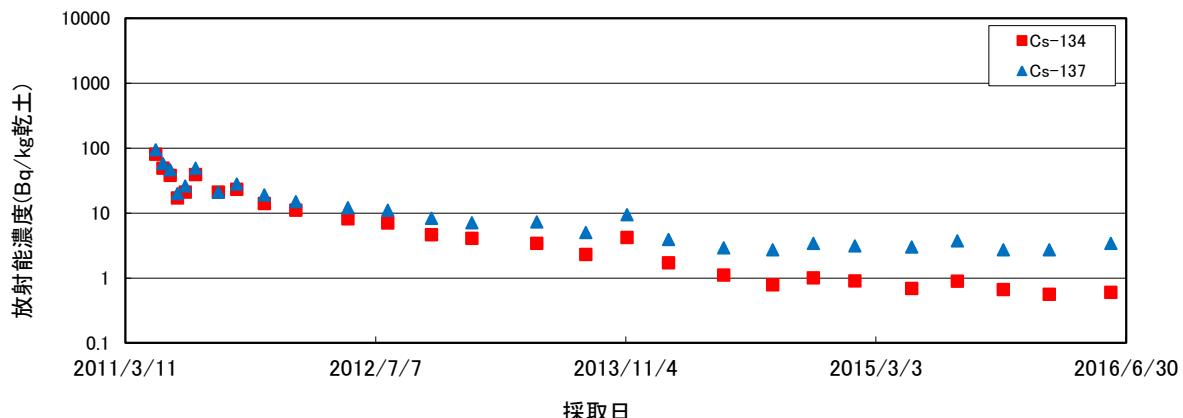


福島県沖

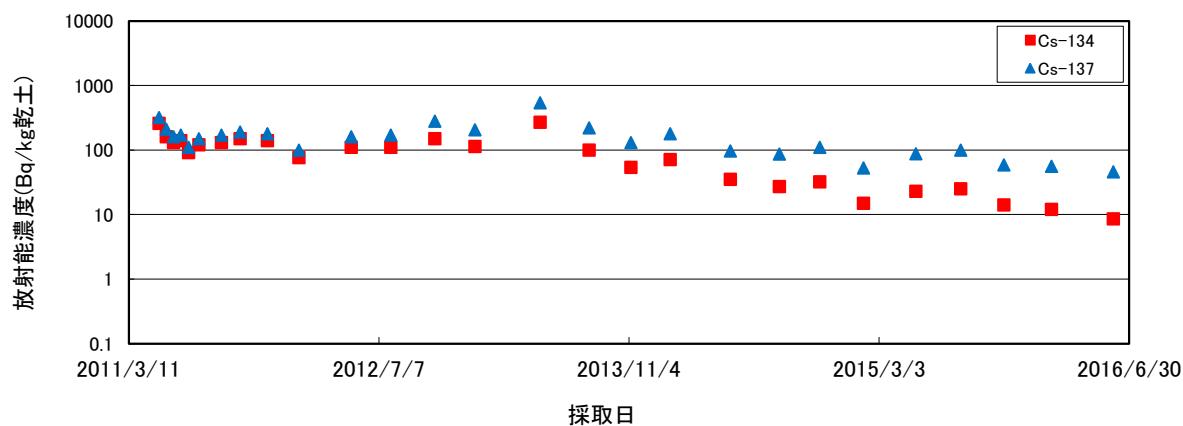


福島県沖合の海底土の放射能濃度の推移

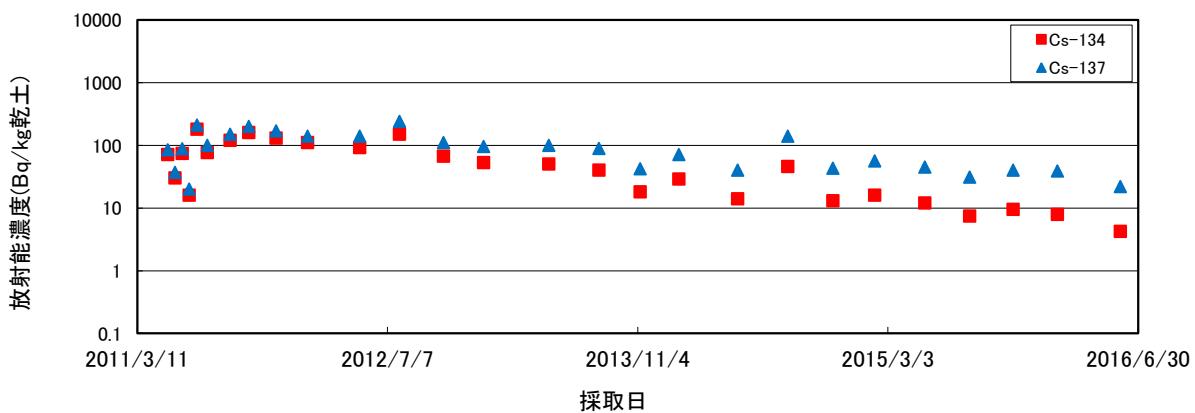
測定ポイント:M-C1



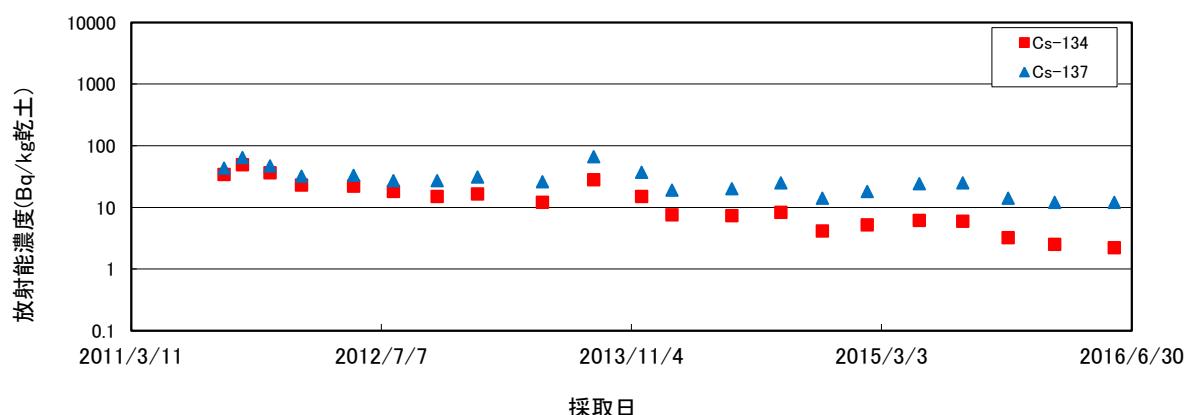
測定ポイント:M-D1



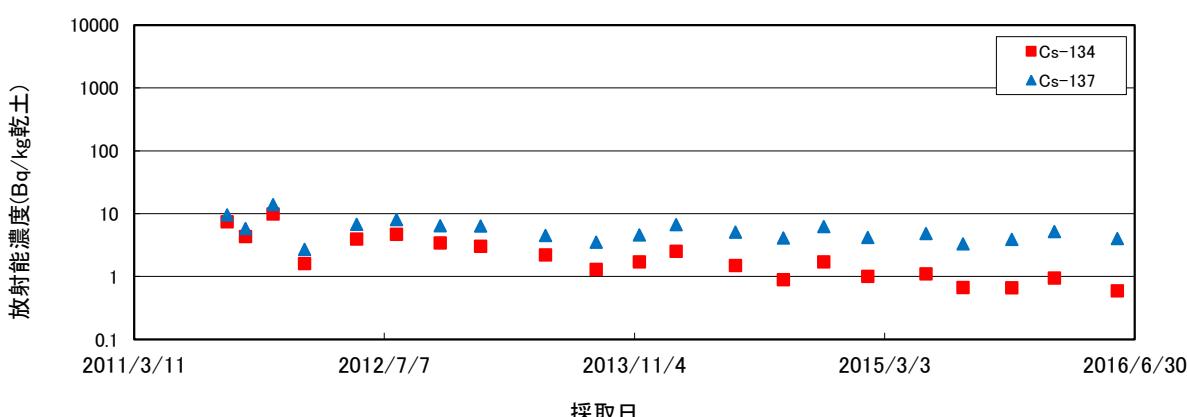
測定ポイント:M-E1



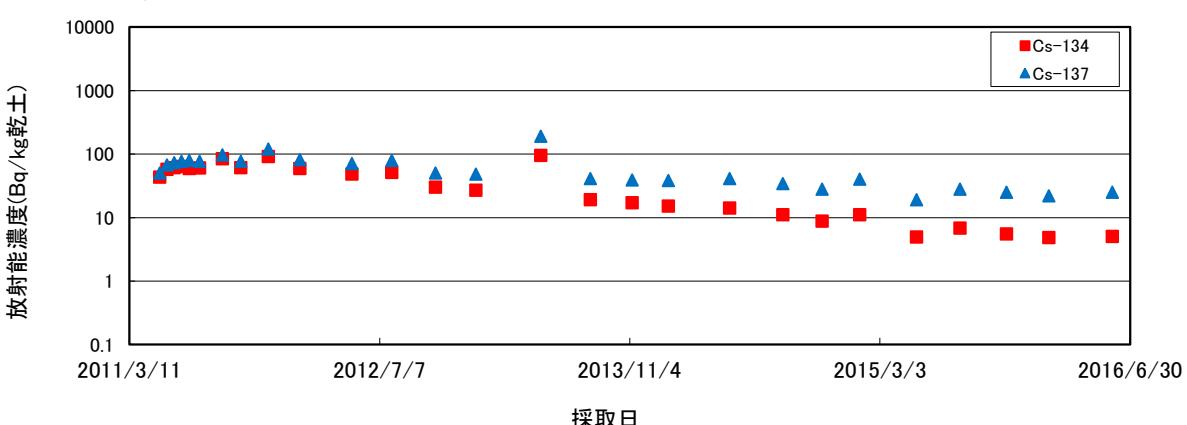
測定ポイント:M-E3



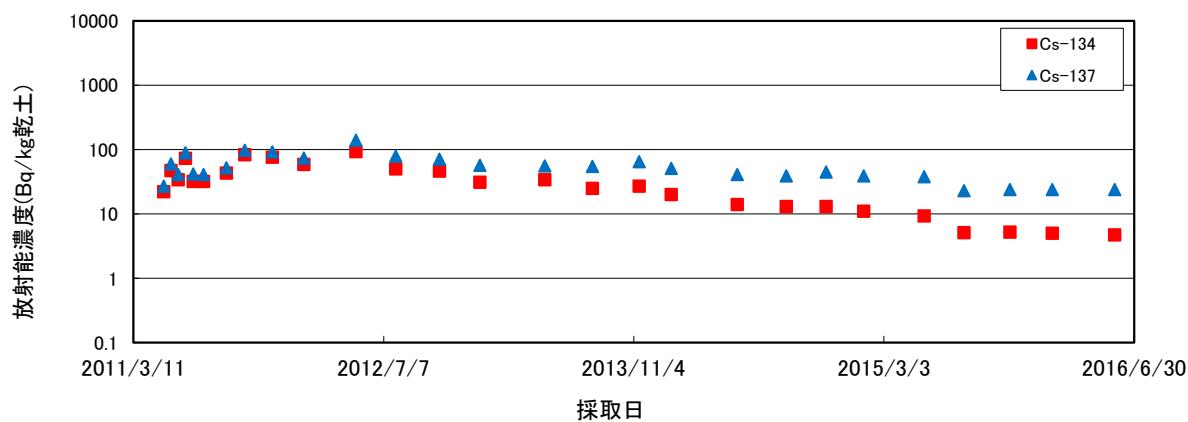
測定ポイント:M-E5



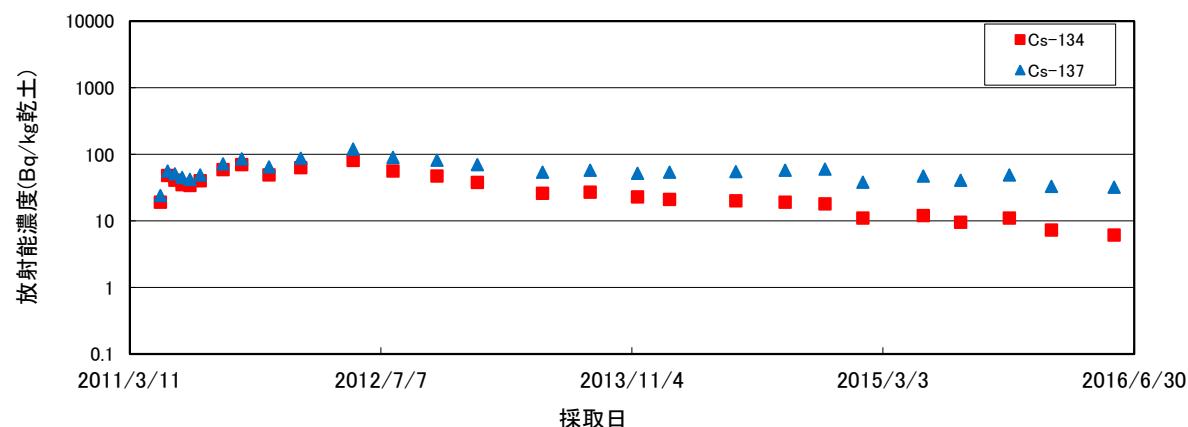
測定ポイント:M-F1



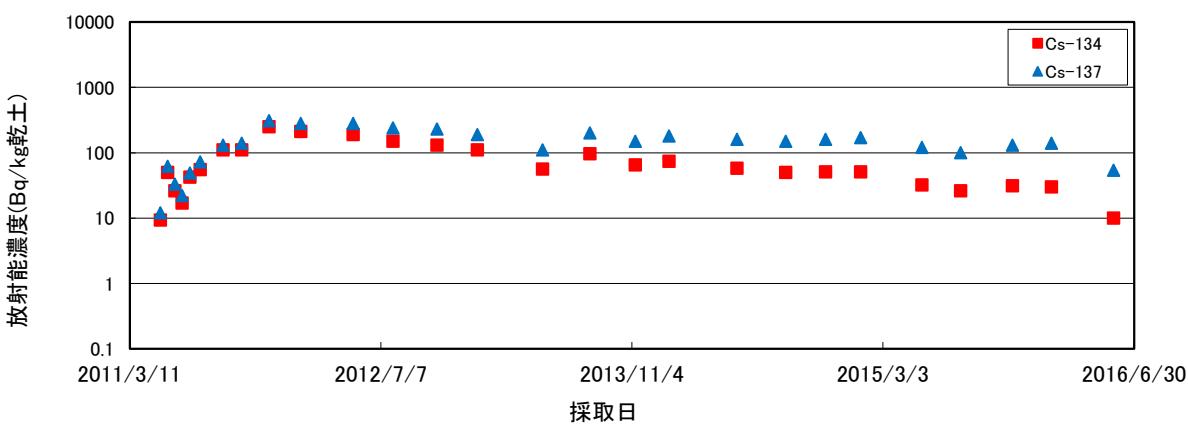
測定ポイント:M-G1



測定ポイント:M-H1

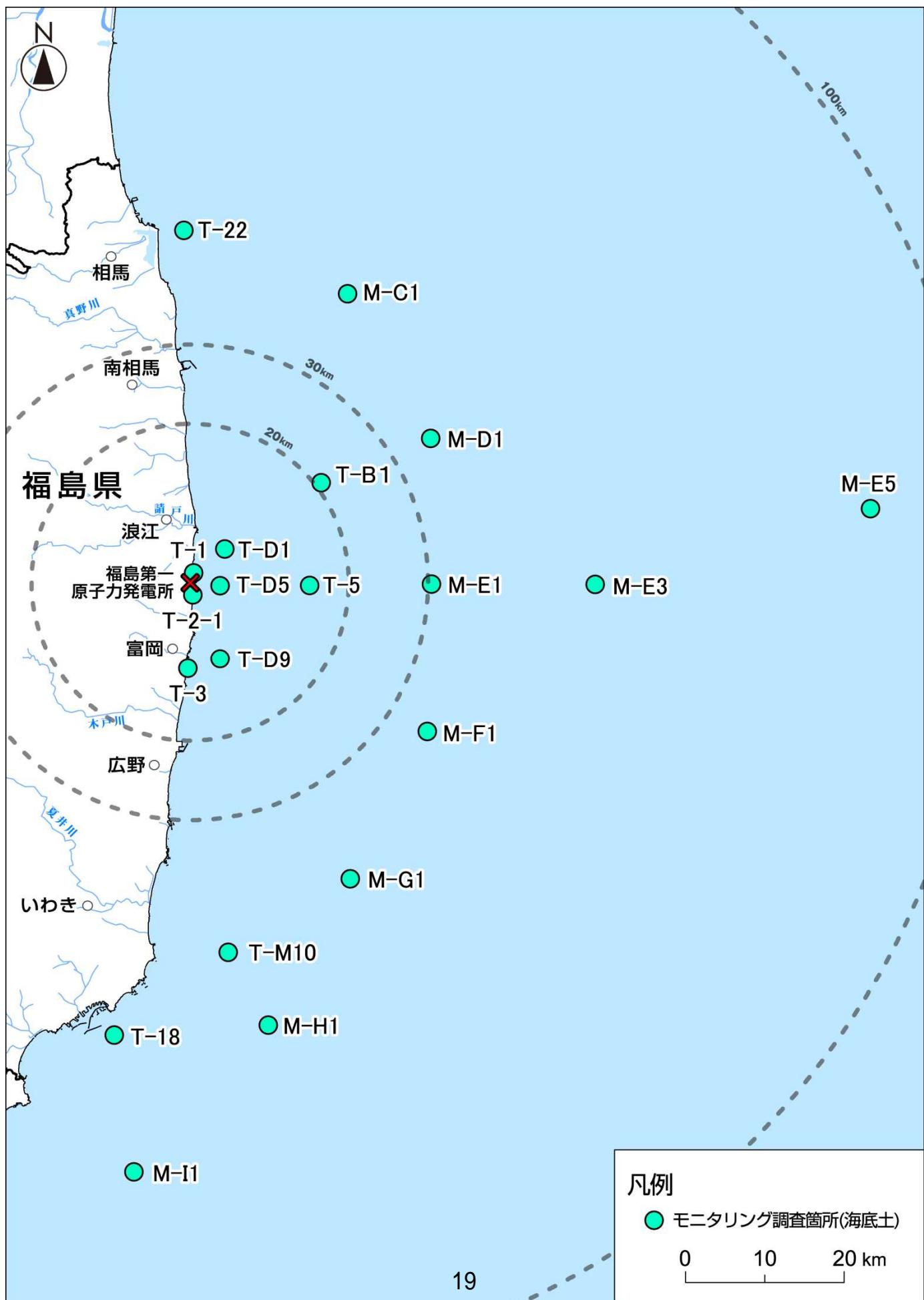


測定ポイント:M-I1



※計測値が不検出(ND)であった場合は、それをグラフ上に表示していない。

福島県沖



凡例

● モニタリング調査箇所(海底土)