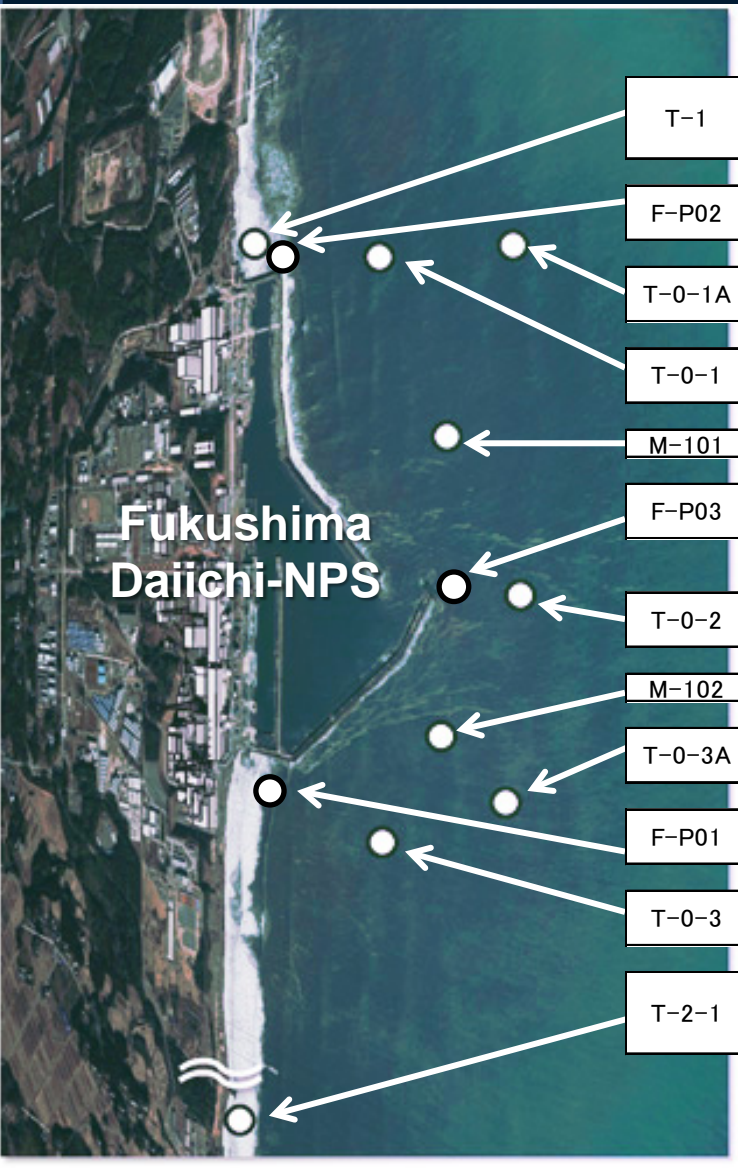


Sea Area Monitoring

June 03 , 2014

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

T-1	2014/5/19	ND(0.78)	ND(0.74)	12 ^{*1}	5.6				
	2014/4/14	ND(0.69)	ND(0.54)	14 ^{*1}	ND(1.6)	0.14	ND(1.5)		
	2014/4/10	ND(0.85)	ND(0.82)					ND(5.6×10^{-6})	($9.4+2.2$) $\times 10^{-6}$
F-P02	2014/4/14	ND(0.060)	ND(0.052)	0.04 ^{*2}	ND(0.41)	In progress		In progress	In progress
	2014/3/10	ND(0.067)	0.085	0.04 ^{*2}	ND(0.31)	0.005		1.2×10^{-5}	ND(8×10^{-6})
T-0-1A	2014/5/21	ND(0.66)	ND(0.79)	ND(18) ^{*1}	In progress				
	2014/5/14	ND(0.66)	ND(0.60)	ND(16) ^{*1}	ND(1.7)				
T-0-1	2014/5/21	ND(0.60)	ND(0.59)	ND(18) ^{*1}	In progress				
	2014/5/14	ND(0.67)	ND(0.68)	ND(16) ^{*1}	ND(1.7)				
M-101	2014/1/15	0.030	0.078		0.17	0.022			
F-P03	2014/4/14	ND(0.069)	ND(0.053)	0.03 ^{*2}	ND(0.41)	In progress		In progress	In progress
	2014/3/10	ND(0.065)	0.15	0.07 ^{*2}	ND(0.031)	0.046		1.0×10^{-5}	ND(8×10^{-6})
T-0-2	2014/5/21	ND(0.66)	ND(0.69)	ND(18) ^{*1}	In progress				
	2014/5/14	ND(0.74)	ND(0.60)	ND(16) ^{*1}	ND(1.7)				
M-102	2014/1/16	0.054	0.13		0.47	0.063			
T-0-3A	2014/5/21	ND(0.68)	ND(0.58)	ND(18) ^{*1}	In progress				
	2014/5/14	ND(0.76)	ND(0.69)	ND(16) ^{*1}	ND(1.7)				
F-P01	2014/4/14	ND(0.065)	0.078	0.04 ^{*2}	ND(0.40)	In progress		In progress	In progress
	2014/3/10	ND(0.069)	0.14	0.06 ^{*2}	0.40	0.026		7×10^{-6}	ND(6×10^{-6})
T-0-3	2014/5/21	ND(0.68)	ND(0.58)	ND(18) ^{*1}	In progress				
	2014/5/14	ND(0.69)	ND(0.57)	ND(16) ^{*1}	ND(1.7)				
T-2-1	2014/5/19	ND(0.71)	0.78	9.5 ^{*1}	5.6				
	2014/4/14	ND(0.55)	ND(0.53)	14 ^{*1}	ND(1.6)	0.012	ND(1.5)		
	2014/4/10	ND(0.70)	ND(0.58)	9.0 ^{*1}				ND(5.6×10^{-6})	($3.1+0.41$) $\times 10^{-5}$

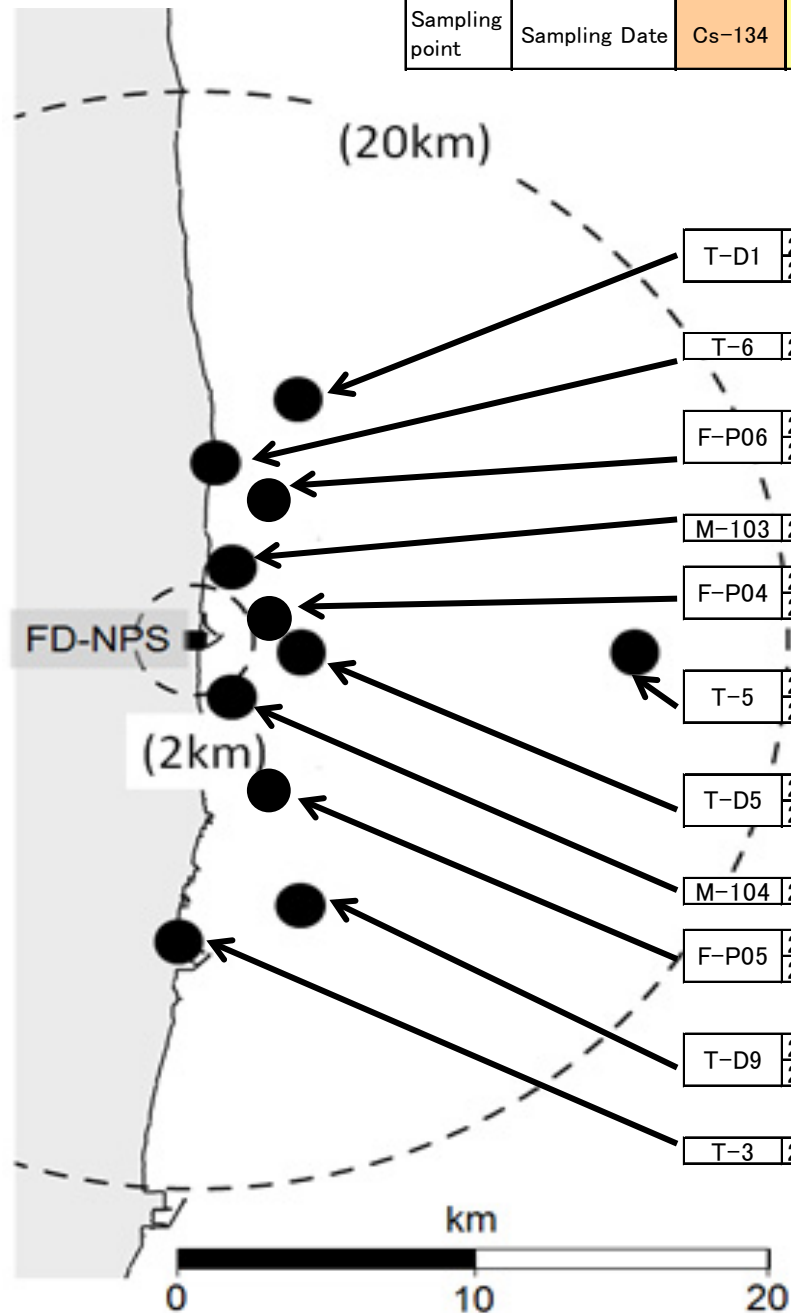
Sea area between 2-20km radius from the NPS (1)

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



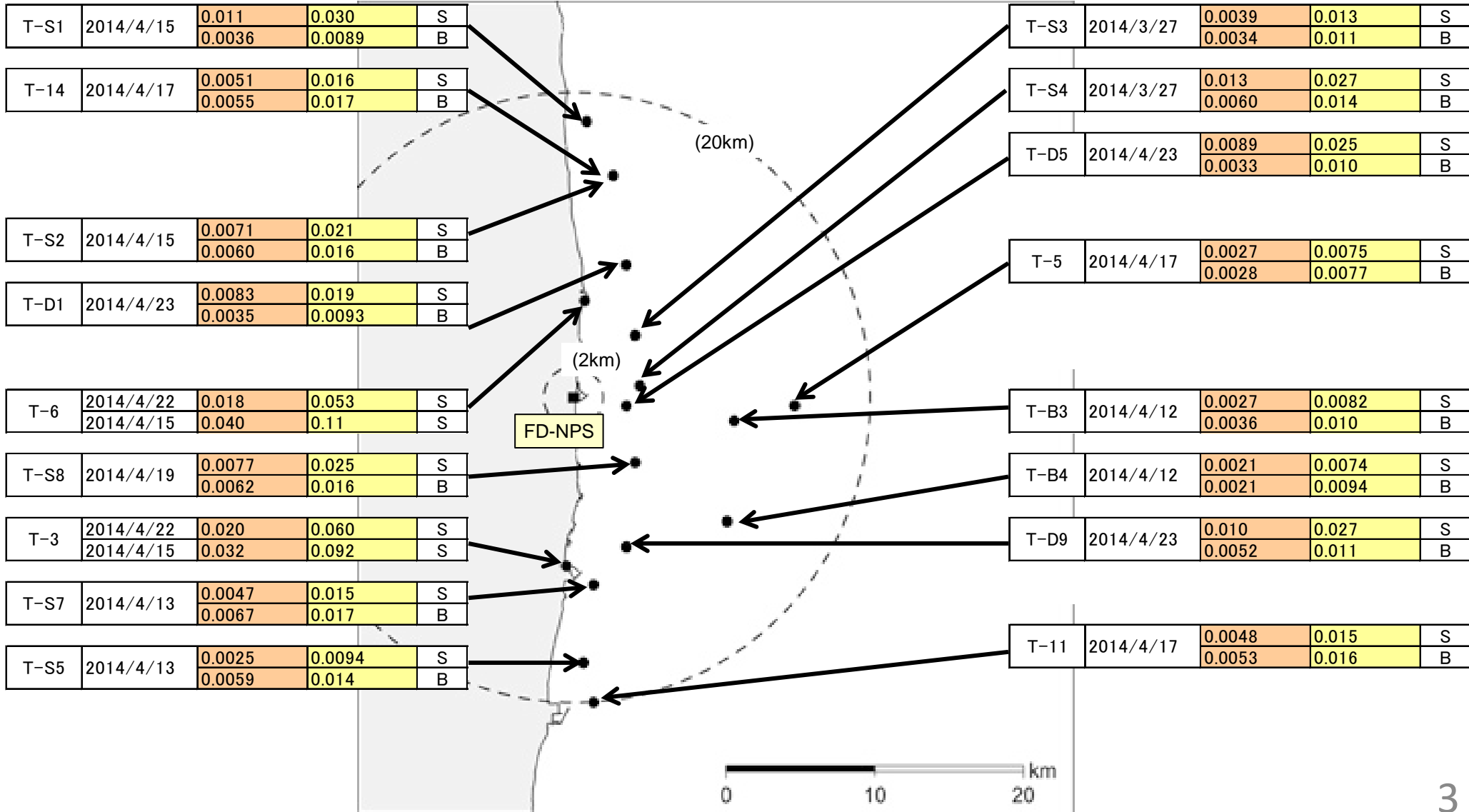
T-D1	2014/4/1	0.0027	0.0086	ND(17)*1	ND(0.30)	ND(0.009)	ND(1.9)	In progress	In progress	S
	2014/3/4	0.0039	0.015	ND(15)*1	ND(0.29)	ND(0.009)	ND(1.9)	ND(7.3 × 10 ⁻⁶)	(7.8+2.4) × 10 ⁻⁶	S
T-6	2014/4/8	0.017	0.067	ND(16)*1	0.84					S
F-P06	2014/4/14	ND(0.058)	ND(0.047)	0.03*2	ND(0.41)	In progress		In progress	In progress	S
	2014/3/10	ND(0.058)	ND(0.049)	0.03*2	ND(0.30)	0.007		1.0 × 10 ⁻⁵	ND(8 × 10 ⁻⁶)	S
M-103	2014/1/15	0.016	0.040		0.058	0.0053				0.5m
F-P04	2014/4/14	ND(0.072)	ND(0.051)	0.03*2	ND(0.41)	In progress		In progress	In progress	S
	2014/3/10	ND(0.067)	ND(0.061)	0.03*2	ND(0.31)	0.018		9 × 10 ⁻⁶	ND(9 × 10 ⁻⁶)	S
T-5	2014/4/2	ND(0.0014)	0.0044	ND(17)*1	ND(0.30)	ND(0.009)	ND(1.9)	In progress	In progress	S
	2014/3/5	0.0016	0.0042	ND(15)*1	ND(0.29)	ND(0.009)	ND(1.9)	ND(7.6 × 10 ⁻⁶)	ND(7.3 × 10 ⁻⁶)	S
T-D5	2014/4/1	0.0058	0.012	ND(17)*1	ND(0.30)	ND(0.009)	ND(1.9)	In progress	In progress	S
	2014/3/4	0.0073	0.018	ND(15)*1	ND(0.29)	ND(0.009)	ND(1.9)	ND(7.8 × 10 ⁻⁶)	ND(8.4 × 10 ⁻⁶)	S
M-104	2014/1/16	0.024	0.062		0.12	0.019				0.5m
F-P05	2014/4/14	ND(0.058)	ND(0.060)	0.03*2	ND(0.41)	In progress		In progress	In progress	S
	2014/3/10	ND(0.057)	ND(0.056)	0.03*2	ND(0.31)	0.009		ND(8 × 10 ⁻⁶)	ND(7 × 10 ⁻⁶)	S
T-D9	2014/4/2	0.0041	0.010	ND(16)*1	ND(0.30)	ND(0.008)	ND(1.9)			S
	2014/3/3	0.0058	0.014	ND(15)*1	ND(0.29)	ND(0.008)	ND(1.9)	ND(7.1 × 10 ⁻⁶)	(7.6+2.2) × 10 ⁻⁶	S
T-3	2014/4/1	0.054	0.16	ND(16)*1	ND(0.30)					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
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Sea water radioactivity (Bq/L):

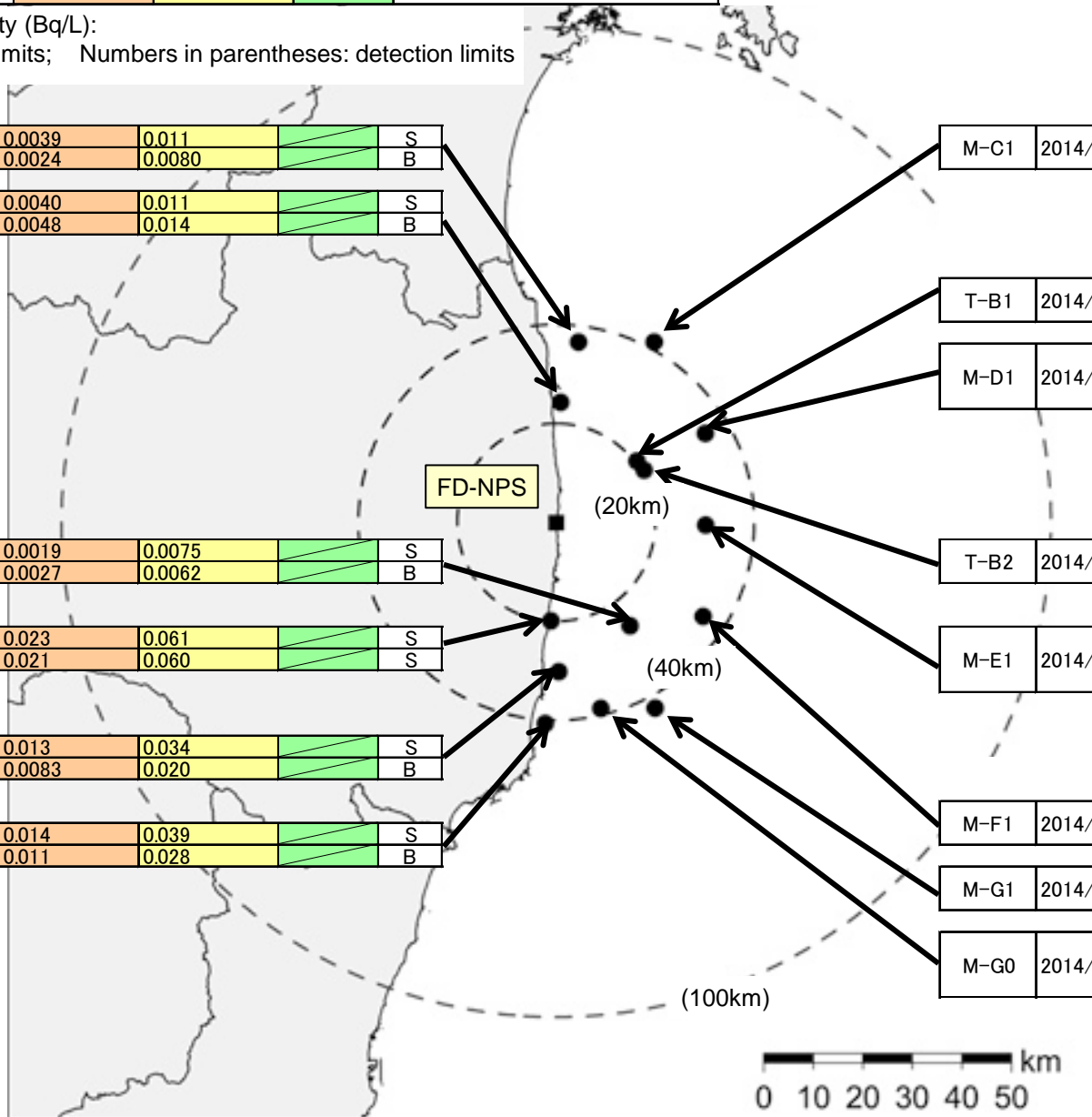
ND: under detection limits; Numbers in parentheses: detection limits



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

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



T-MA	2014/4/10	0.0039	0.011	S
		0.0024	0.0080	
T-13-1	2014/4/10	0.0040	0.011	S
		0.0048	0.014	

M-C1	2014/1/26	0.00096	0.0034	0.00090	1m
		0.00063	0.0027		

T-B1	2014/4/22	0.0046	0.013	S
		0.0022	0.0080	

M-D1	2014/1/23	0.00094	0.0033	0.00085	1m	
		ND(0.00060)	0.0034			50m
		0.0011	0.0046			114m

T-7	2014/4/2	0.0019	0.0075	S
		0.0027	0.0062	

T-B2	2014/3/20	0.0047	0.013	S
		0.0023	0.0073	

T-4	2014/4/22	0.023	0.061	S
	2014/4/15	0.021	0.060	

M-E1	2014/1/23	ND(0.00059)	0.0027	0.00081	1m	
		ND(0.00074)	0.0019			50m
		0.00086	0.0020			125m

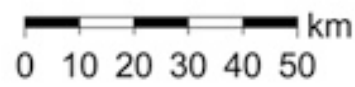
T-12	2014/4/9	0.013	0.034	S
		0.0083	0.020	

M-F1	2014/1/18	0.00063	0.0025	S	1m
		ND(0.00071)	0.0022		

T-17-1	2014/4/9	0.014	0.039	S
		0.011	0.028	

M-G1	2014/1/16	ND(0.00067)	0.0018	S	1m
		ND(0.00071)	0.0020		

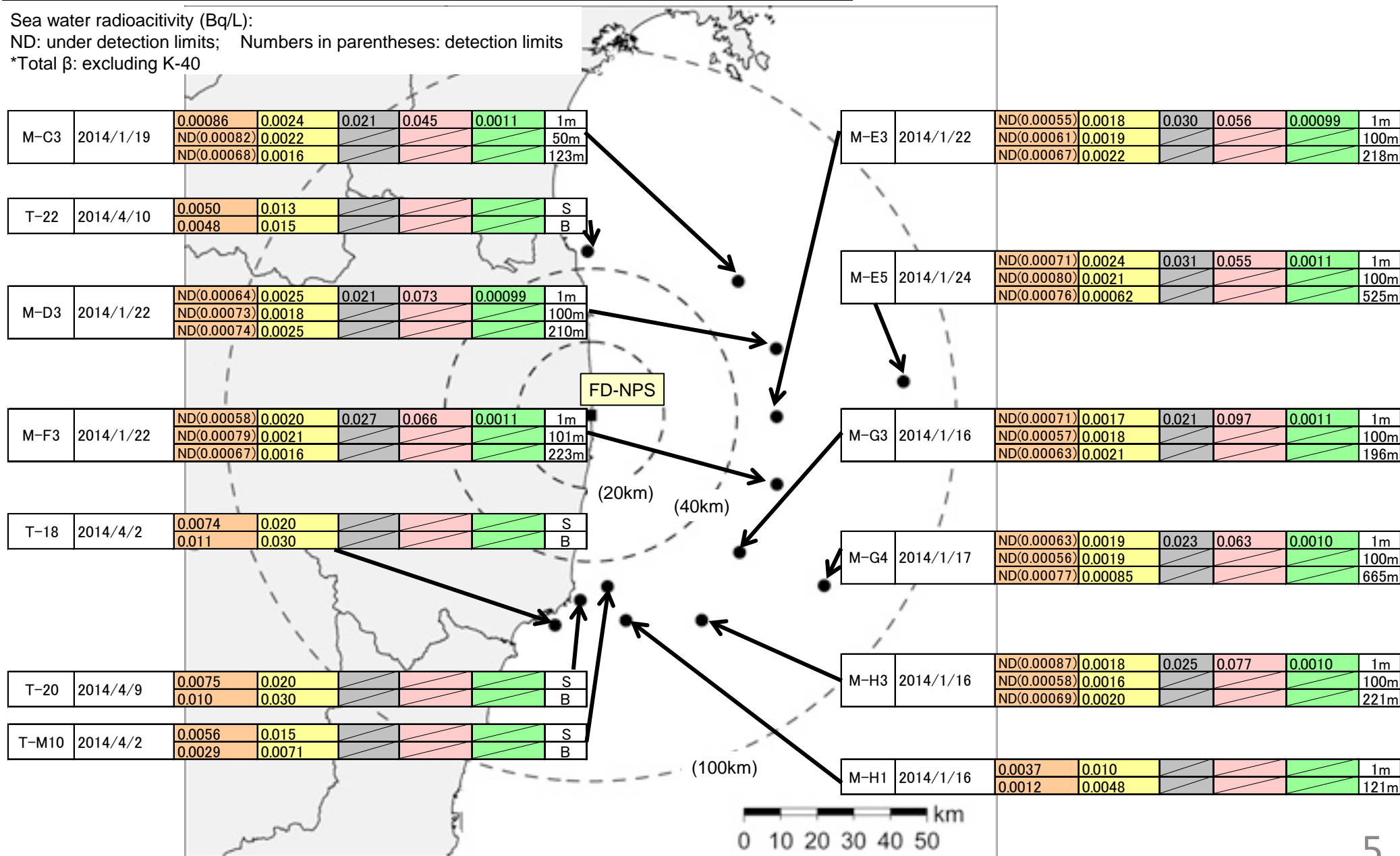
M-G0	2014/1/18	0.0018	0.0061	S	1m	
		0.0019	0.0069			50m
		0.0045	0.012			97m



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



Sea area along and off the coast of Miyagi Prefecture

Sampling point	Sampling Date	Cs-134	Cs-137	Sr-90	S/M/B
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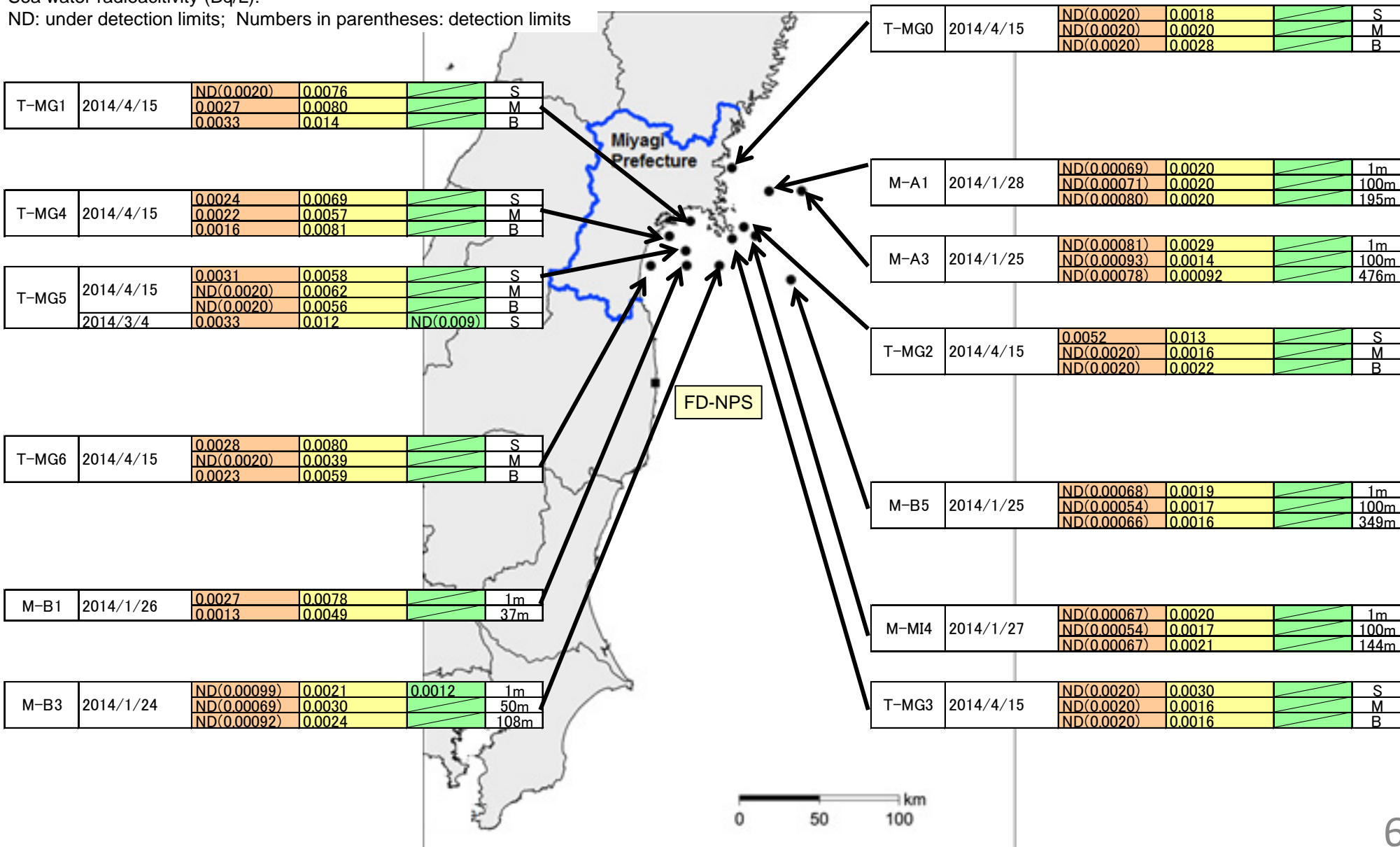
S:2m below sea level

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



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

T-Z	2014/4/14	ND(1.1)	ND(1.3)	S	B
		ND(1.1)	ND(1.3)		

T-A	2014/4/14	ND(1.1)	ND(1.3)	S	B
		ND(1.1)	ND(1.3)		

T-B	2014/4/16	ND(1.1)	ND(1.3)	S	B
		ND(1.1)	ND(1.3)		

M-J1	2014/1/13	0.0027	0.0076	0.00079	1m
		0.0026	0.0082		40m

T-C	2014/4/16	ND(1.1)	ND(1.3)	S	B
		ND(1.1)	ND(1.3)		
	2014/3/12	ND(1.2)	ND(1.3)	ND(0.009)	S
		ND(1.2)	ND(1.3)		B

M-K1	2014/1/12	0.00077	0.0039	S	B
		0.0015	0.0040		

T-D	2014/4/15	ND(1.1)	ND(1.3)	S	B
		ND(1.1)	ND(1.3)		

M-M1	2014/1/11	ND(0.00092)	0.0029	S	B
		ND(0.00073)	0.0038		

M-I0	2014/1/13	0.0043	0.014	S	B
		0.0054	0.013		

M-I1	2014/1/15	0.0043	0.011	S	1m
		0.0050	0.013		50m
		0.0060	0.015		90m

M-I3	2014/1/15	0.00099	0.0040	S	1m
		0.0013	0.0040		100m
		0.0012	0.0043		175m

M-IB2	2014/1/12	0.00092	0.0029	0.0011	1m
		0.0047	0.012		104m

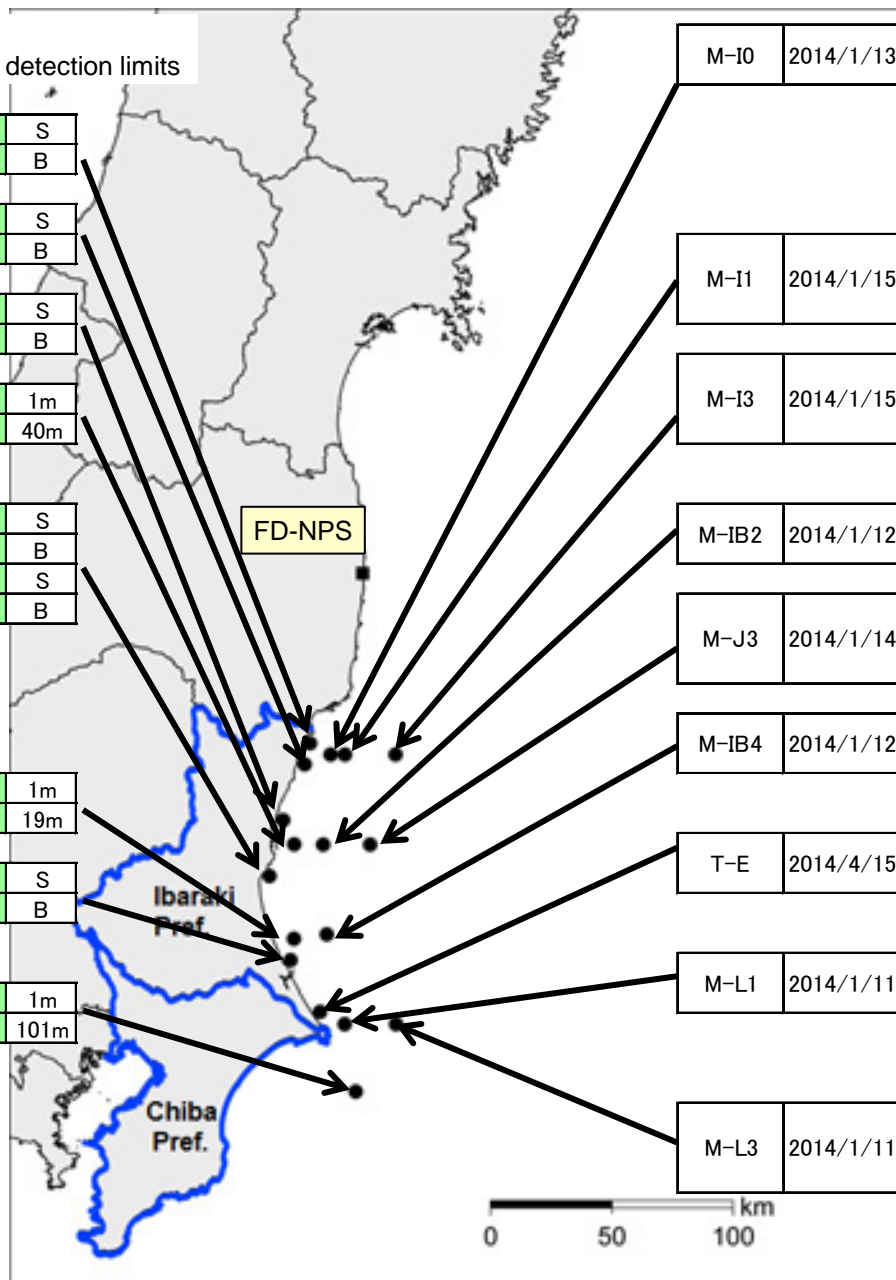
M-J3	2014/1/14	ND(0.00069)	0.0023	S	1m
		ND(0.00068)	0.0025		100m
		ND(0.00061)	0.0011		560m

M-IB4	2014/1/12	ND(0.00089)	0.0031	S	1m
		0.00099	0.0029		107m

T-E	2014/4/15	ND(1.1)	ND(1.3)	S	B
		ND(1.1)	ND(1.3)		

M-L1	2014/1/11	ND(0.00089)	0.0024	S	1m
		0.0012	0.0030		35m

M-L3	2014/1/11	ND(0.00083)	0.0023	S	1m
		ND(0.00091)	0.0029		100m
		0.00088	0.0027		156m



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	2013/10/19	ND(0.00080)	0.0026	1m
		ND(0.00079)	0.0029	100m
		ND(0.00056)	0.0018	200m
		ND(0.00064)	0.0012	300m
		ND(0.00071)	0.00080	500m

M-14	2013/10/28	ND(0.00078)	0.0025	1m
		ND(0.00069)	0.0018	100m
		ND(0.00058)	0.0016	200m
		ND(0.00058)	0.0016	300m
		ND(0.00065)	0.00091	500m

M-19	2013/10/30	ND(0.00082)	0.0018	1m
		ND(0.00069)	0.0025	100m
		ND(0.00058)	0.0021	200m
		ND(0.00069)	0.0015	300m
		ND(0.00066)	0.00093	500m

M-20	2013/10/30	ND(0.00060)	0.0017	1m
		ND(0.00071)	0.0022	100m
		0.0014	0.0050	200m
		ND(0.00089)	0.0038	300m
		ND(0.00060)	0.0014	500m

M-25	2013/10/31	ND(0.00080)	0.0014	1m
		ND(0.00065)	0.0019	100m
		0.00084	0.0034	200m
		0.0025	0.0068	300m
		ND(0.00057)	0.0022	500m

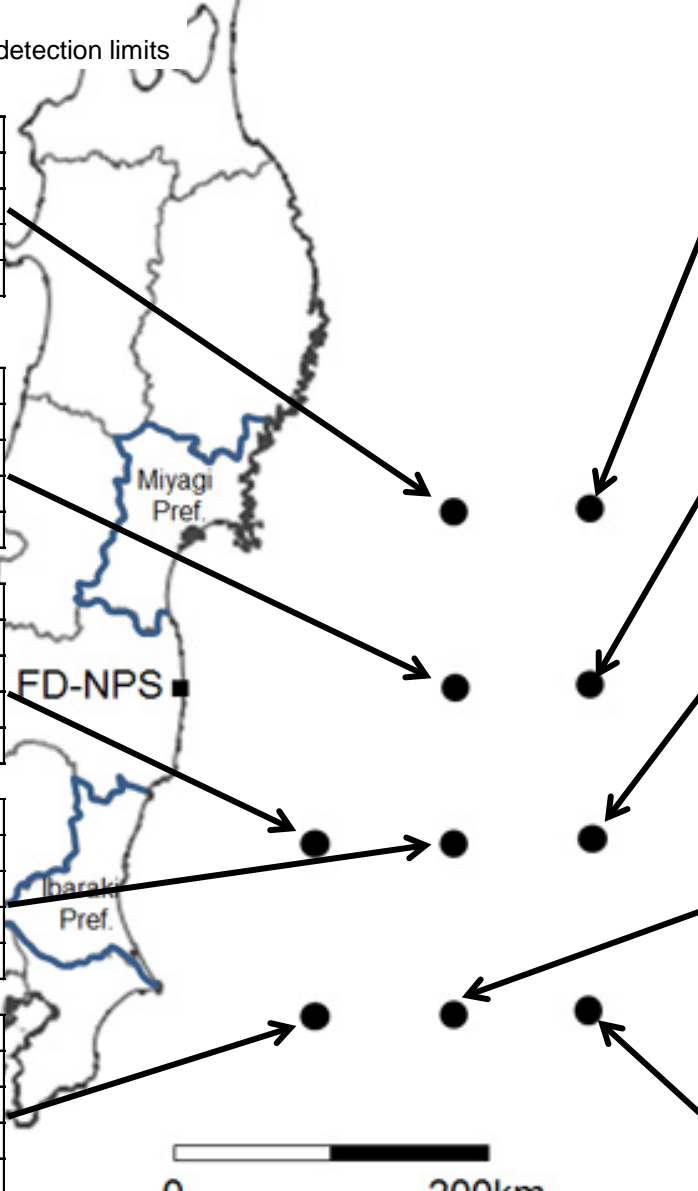
M-11	2013/10/19	ND(0.00064)	0.0022	1m
		0.0020	0.0061	100m
		0.00071	0.0029	200m
		ND(0.00077)	0.0025	300m
		ND(0.00054)	0.0013	500m

M-15	2013/10/29	ND(0.00069)	0.0019	1m
		0.00091	0.0018	100m
		ND(0.00070)	0.0019	200m
		ND(0.00050)	0.0018	300m
		ND(0.00057)	0.00065	500m

M-21	2013/10/29	ND(0.00083)	0.0017	1m
		ND(0.00060)	0.0015	100m
		0.00097	0.0039	200m
		0.00078	0.0028	300m
		ND(0.00072)	0.0011	500m

M-26	2013/10/31	ND(0.00085)	0.0024	1m
		ND(0.00068)	0.0026	100m
		0.0012	0.0038	200m
		0.0022	0.0061	300m
		ND(0.00081)	0.0034	500m

M-27	2013/11/1	ND(0.00068)	0.0021	1m
		ND(0.00060)	0.0016	100m
		0.00083	0.0029	200m
		0.0015	0.0047	300m
		0.0011	0.0038	500m

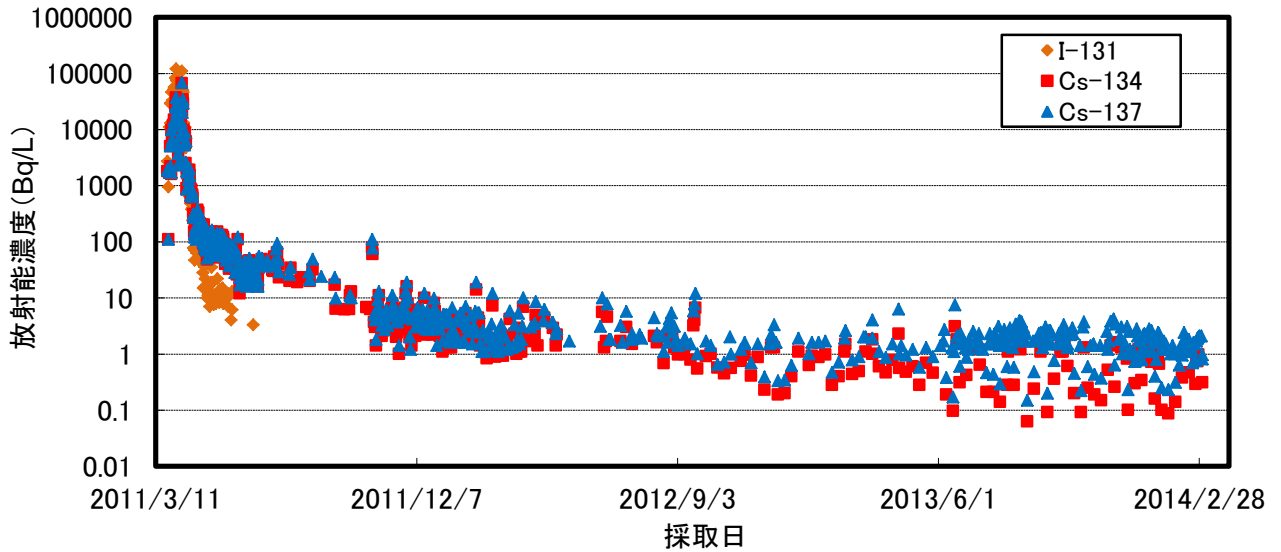


0 200km

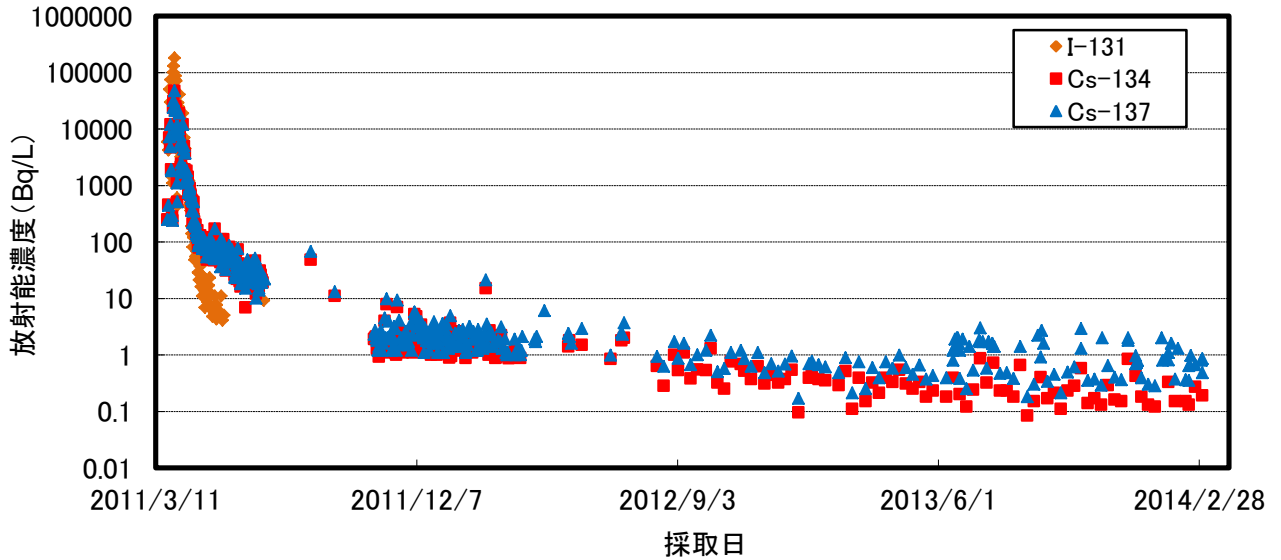
福島沿岸の海水の放射能濃度の推移

震災後から平成26年3月31日公表分
までのデータを基に作成

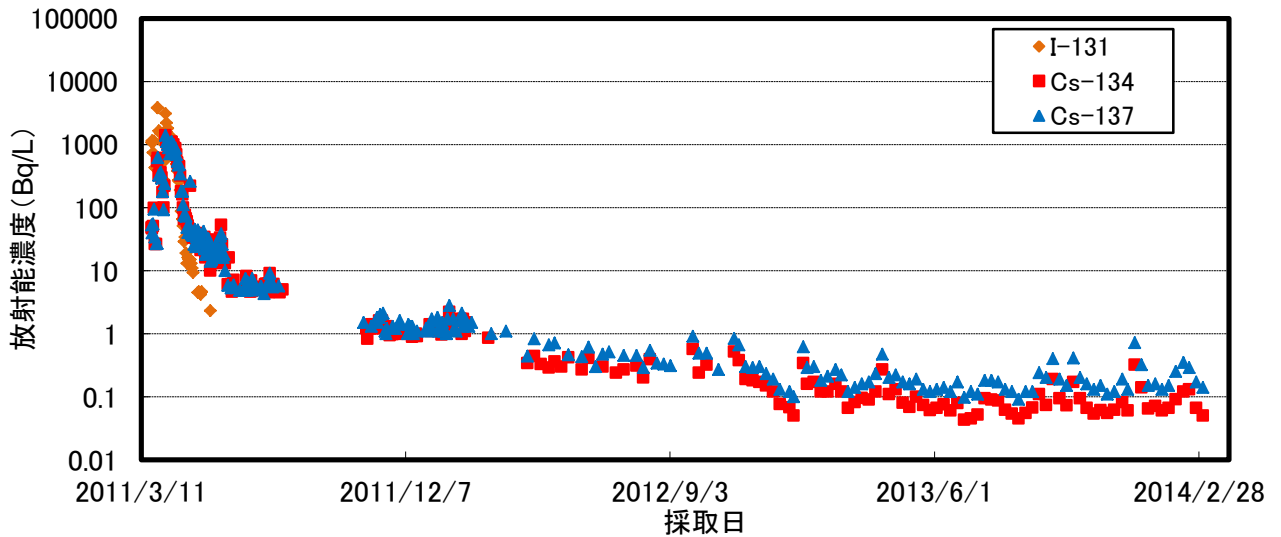
測定ポイント:T-1 表層



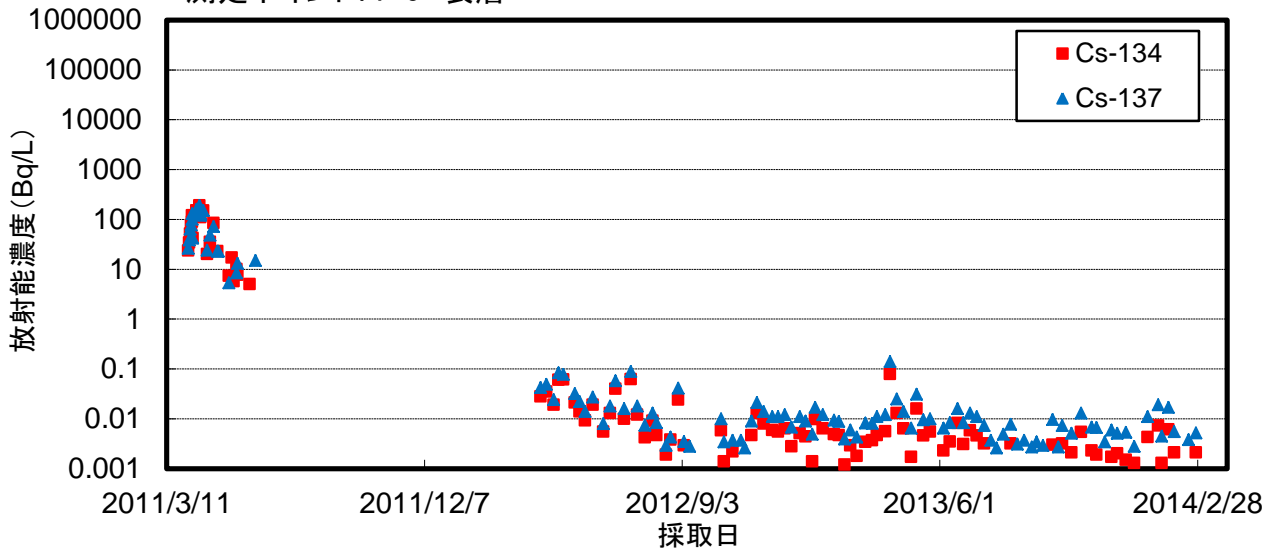
測定ポイントT-2-1(2012年11月までT-2) 表層



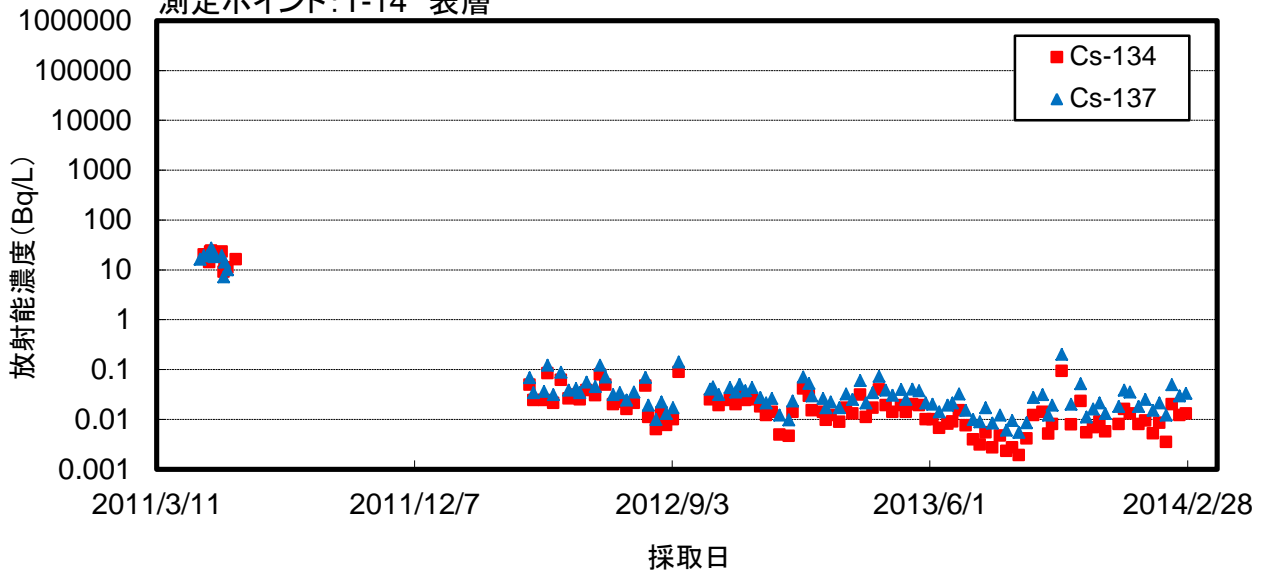
測定ポイント:T-3 表層



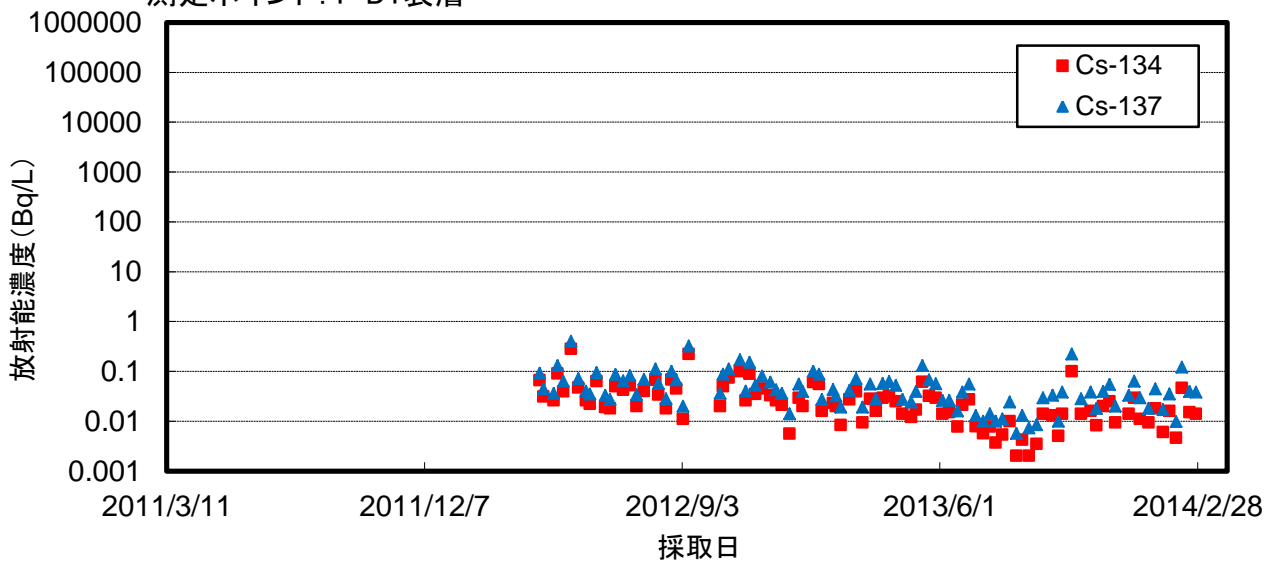
測定ポイント:T-5 表層



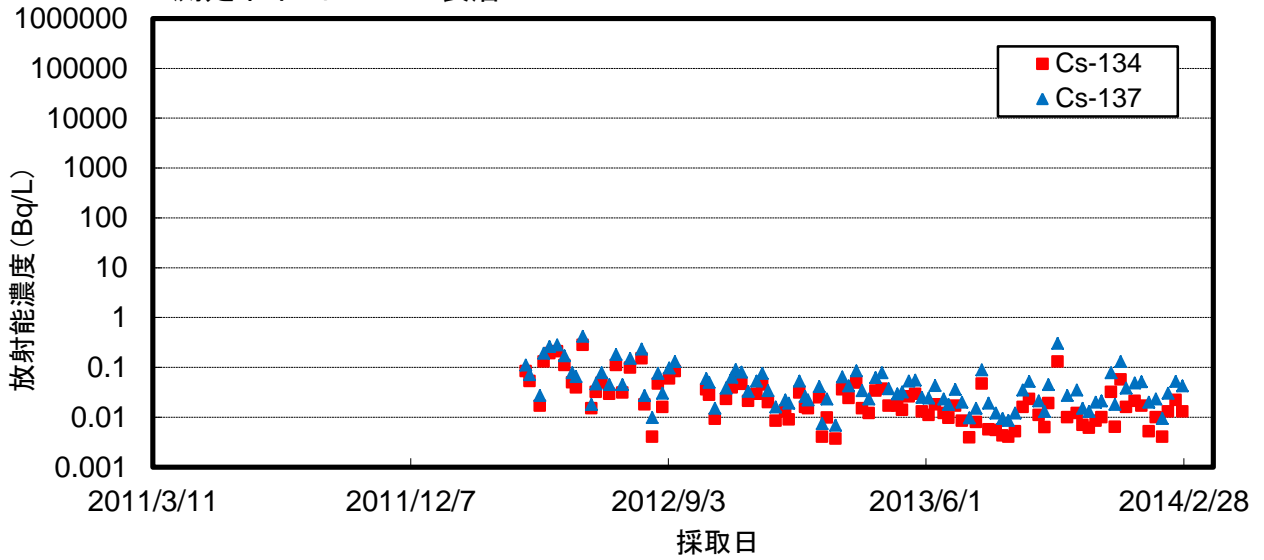
測定ポイント:T-14 表層



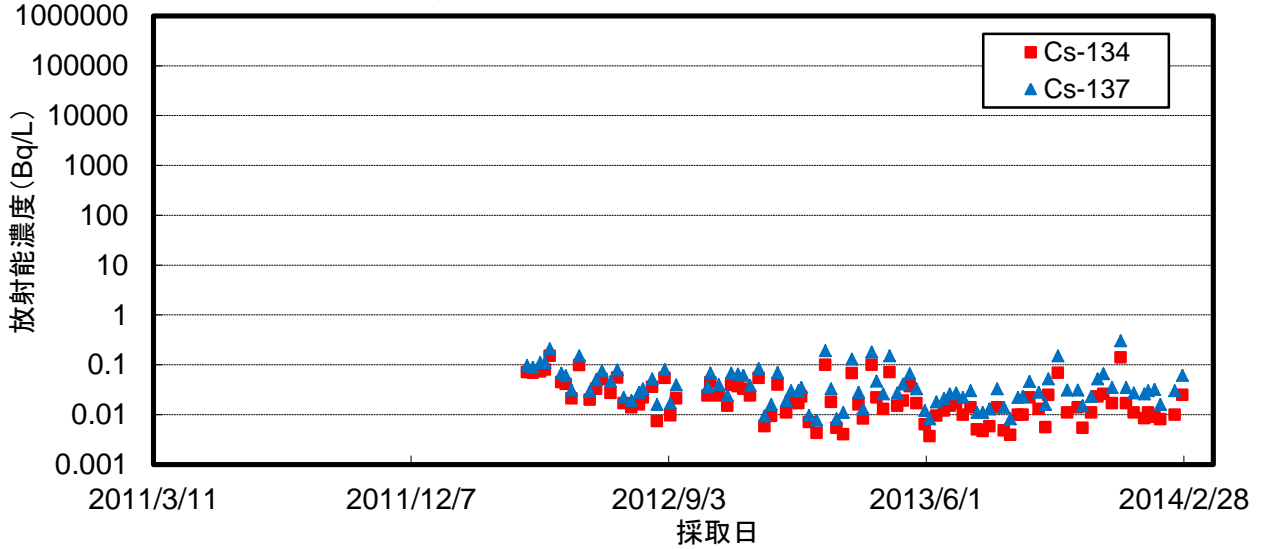
測定ポイント:T-D1表層



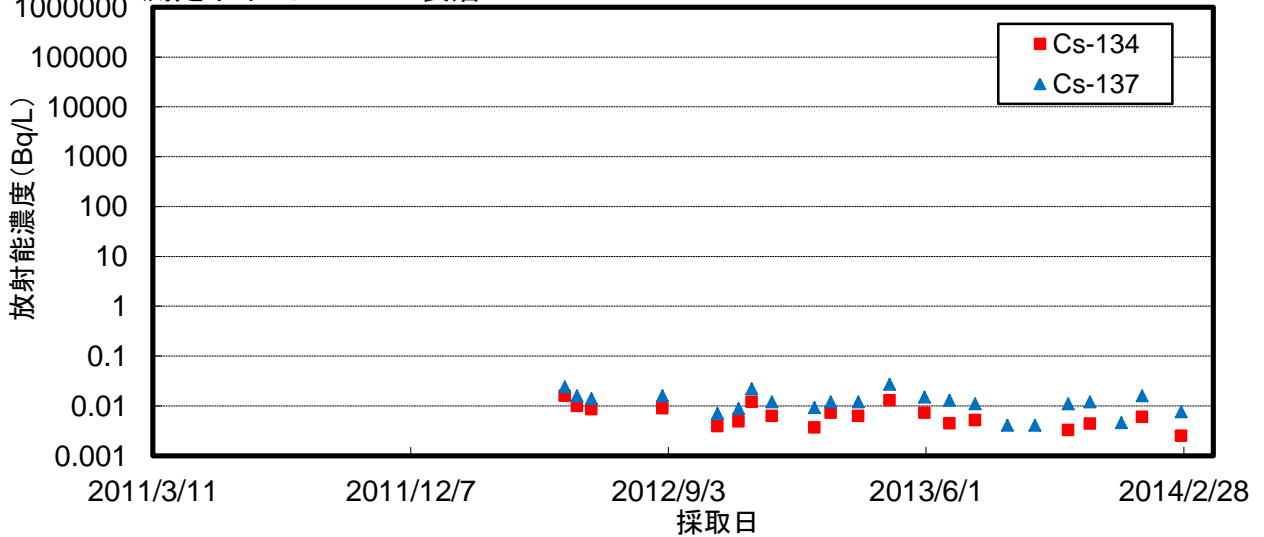
測定ポイント:T-D5 表層



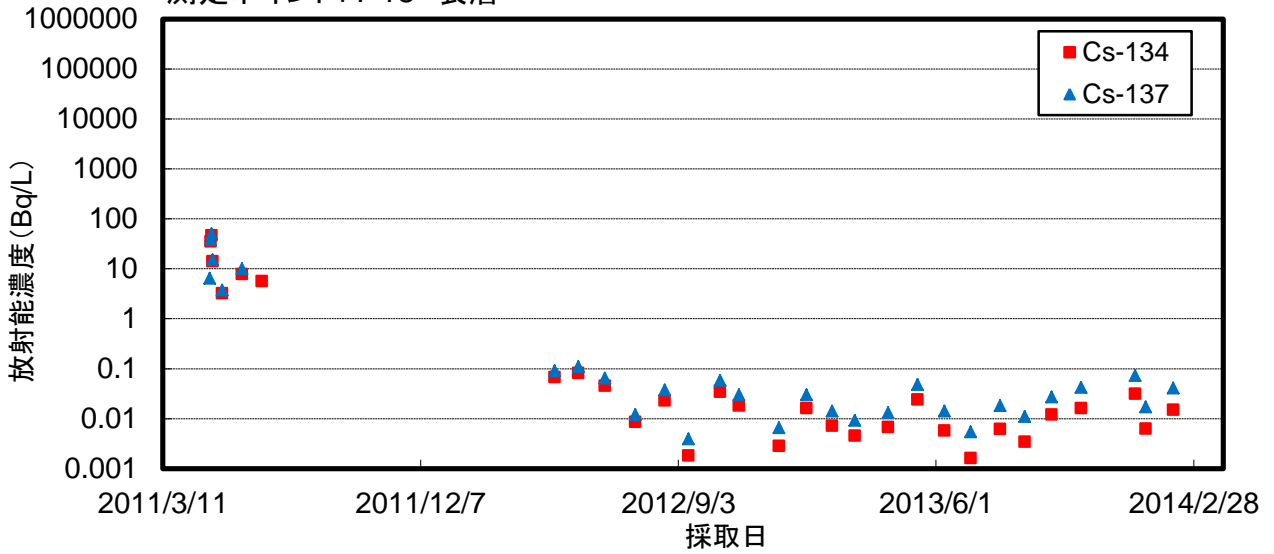
測定ポイント:T-D9 表層



測定ポイント:T-B1 表層



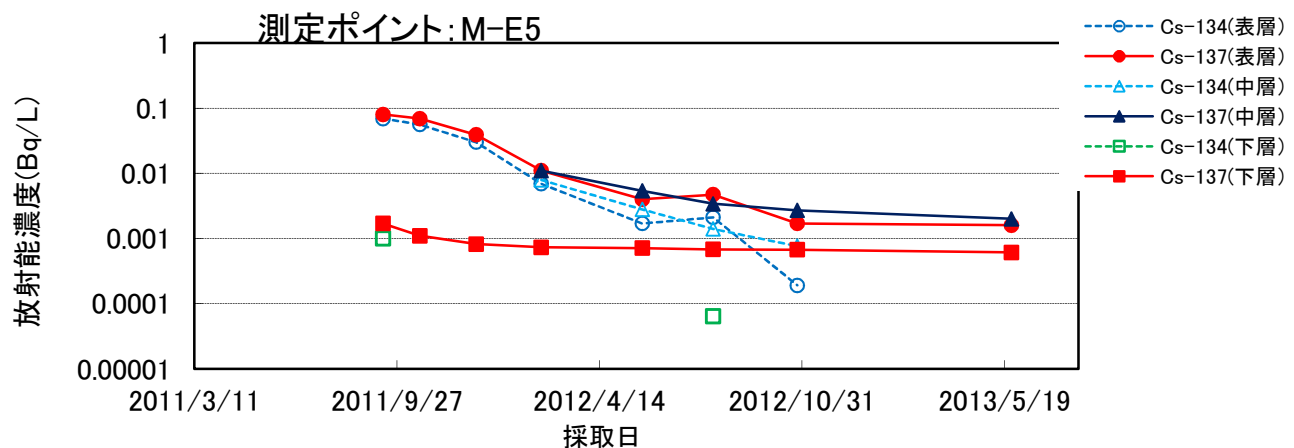
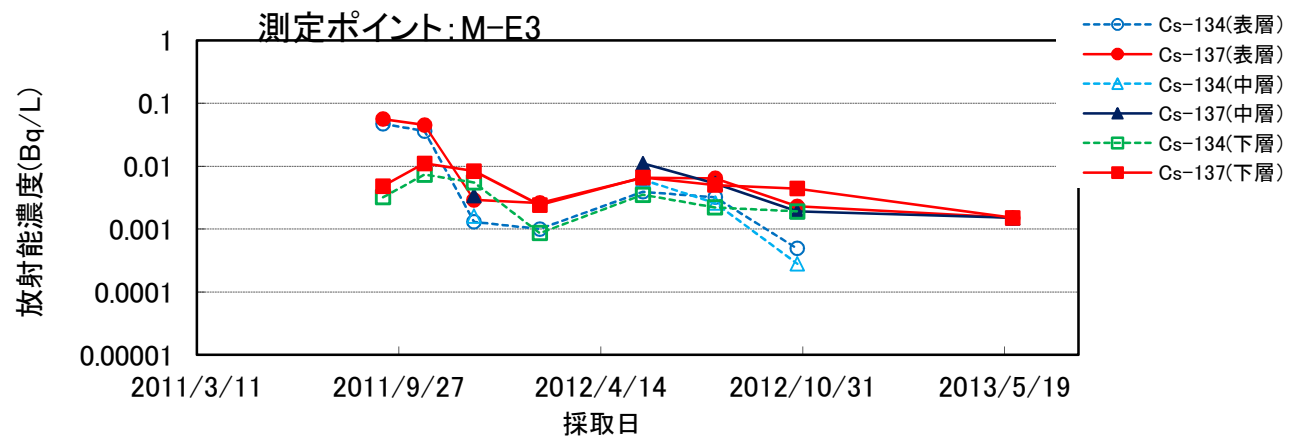
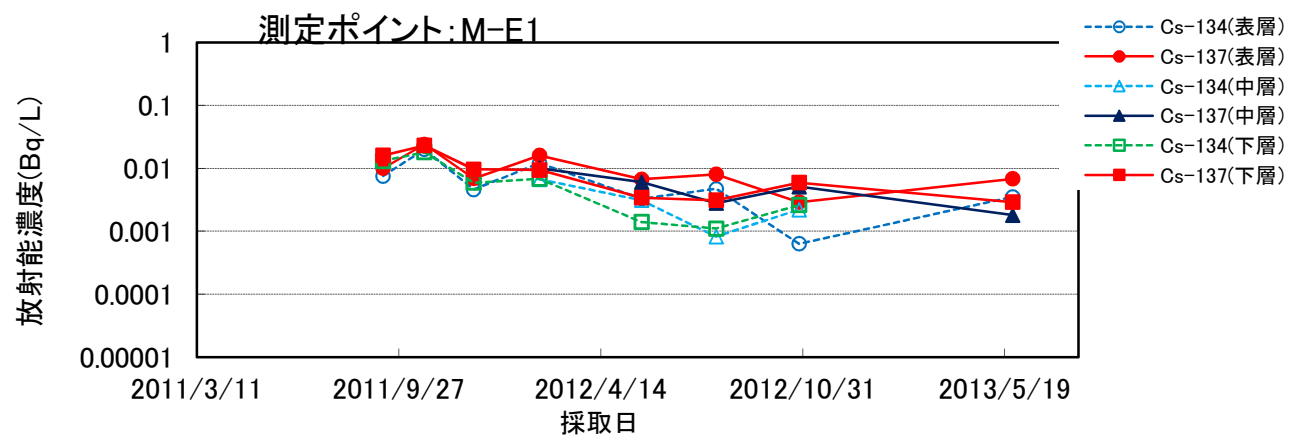
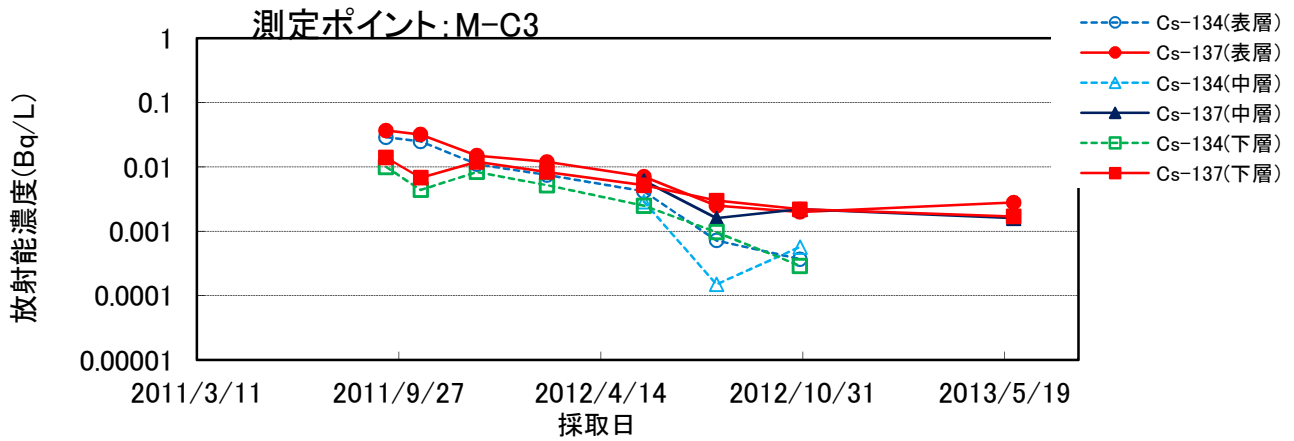
測定ポイント:T-18 表層

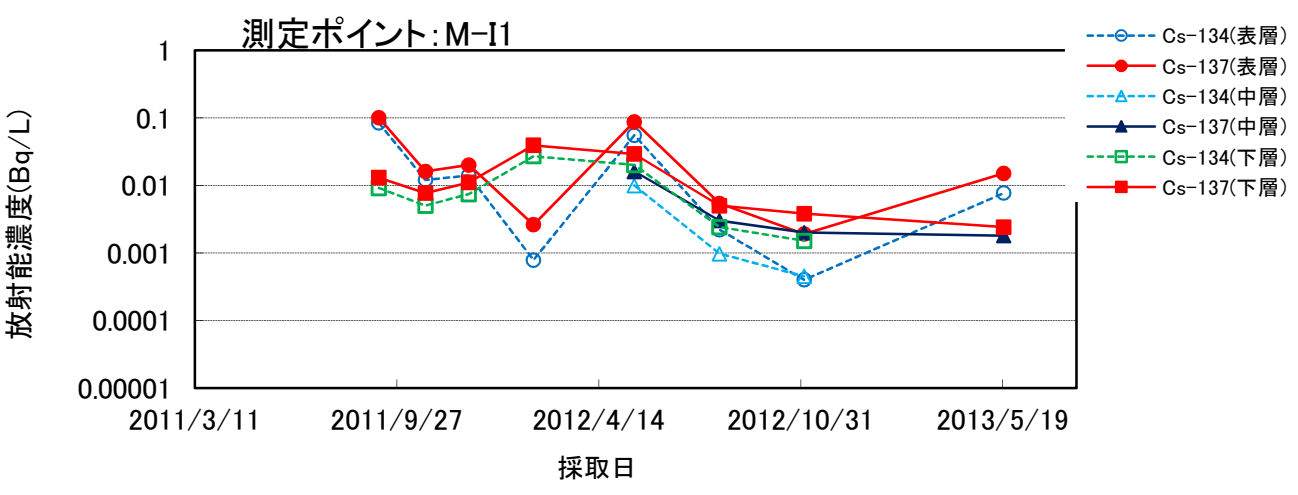
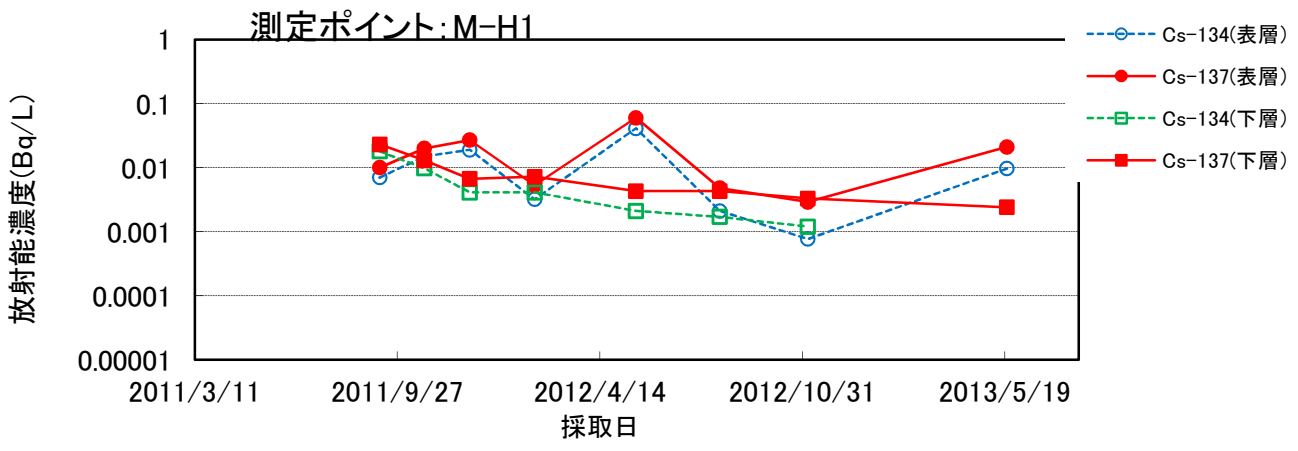
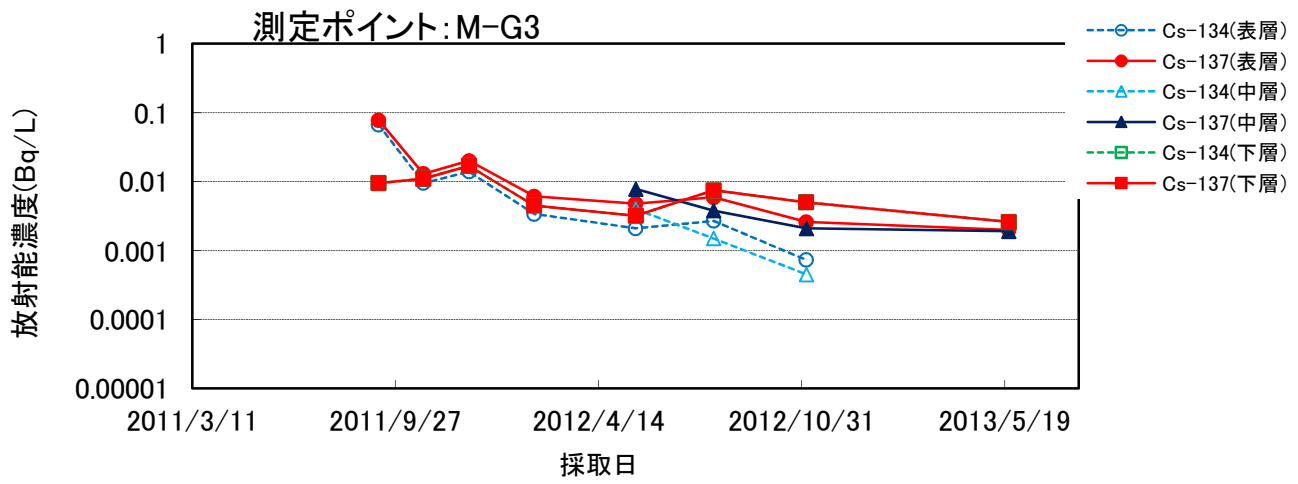
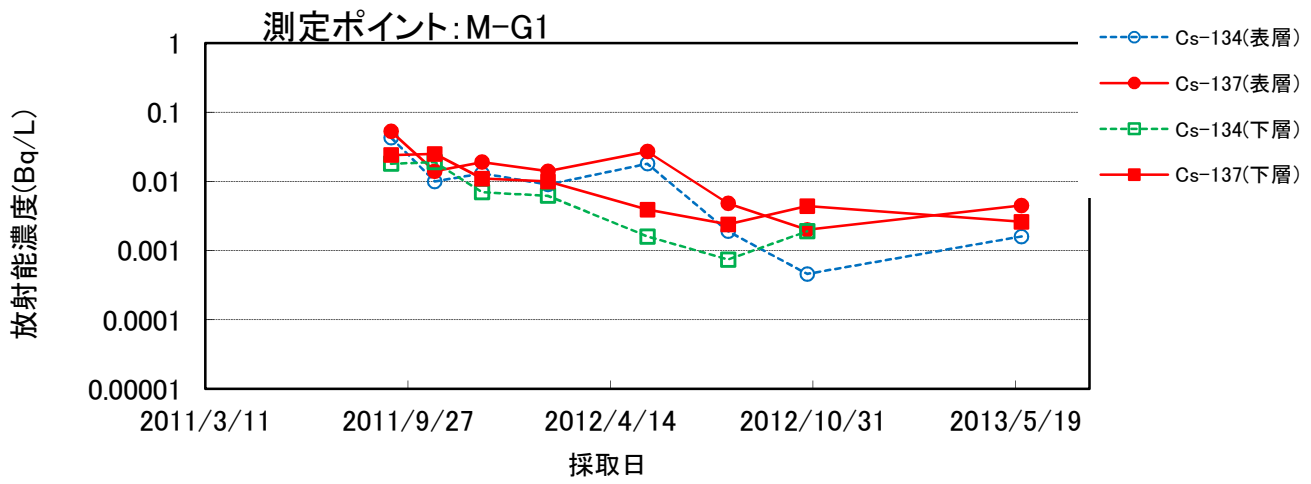


福島県沖合の海水の放射能濃度の推移

震災後から平成25年7月31日まで

表層:海面から1m、中層:50~100m、下層:海底~約10m



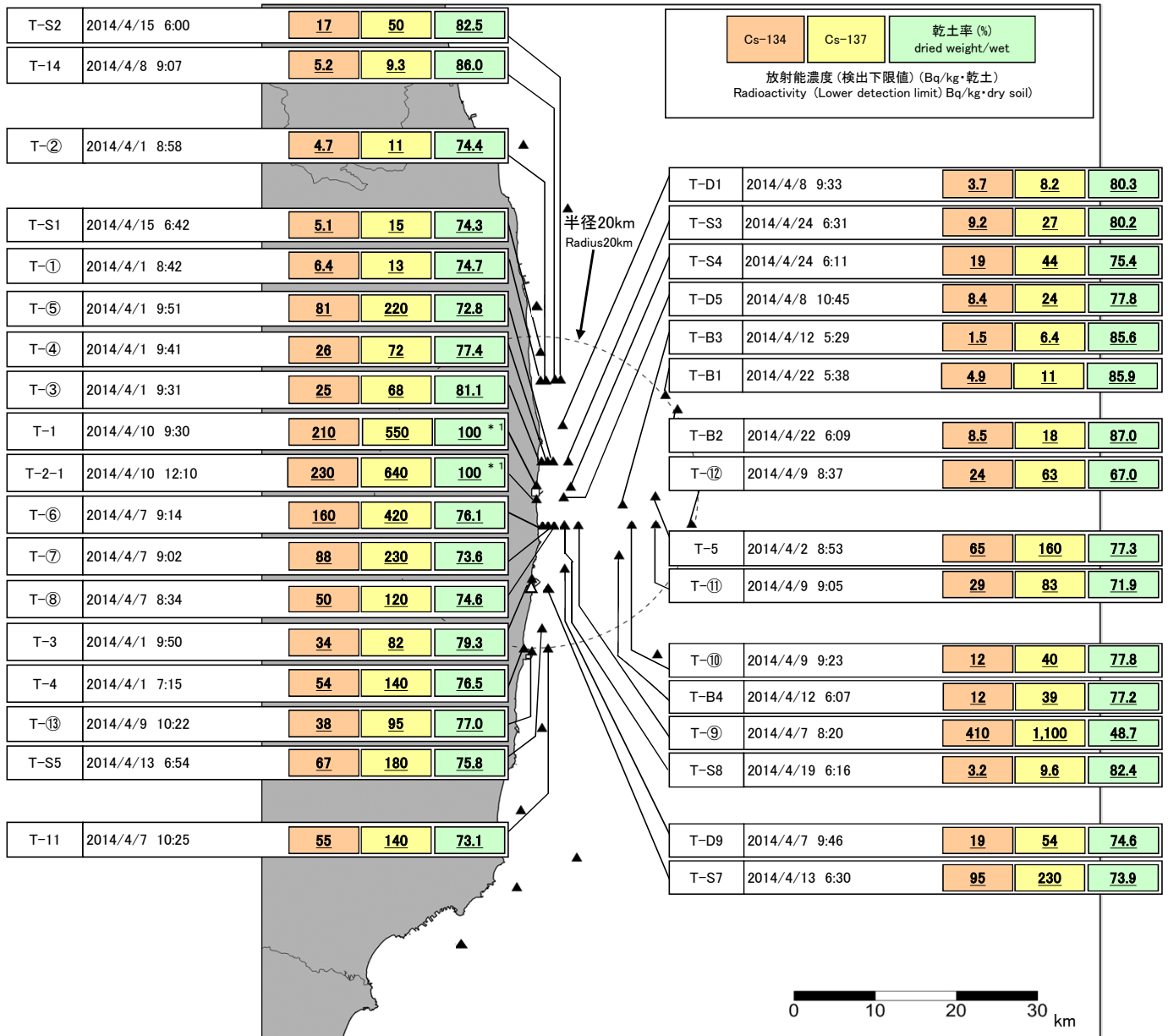


※計測値が不検出 (ND) であった場合は、それをグラフ上に表示していない。

東京電力株式会社福島第一原子力発電所周辺の海底土の放射能濃度分布(乾土重量換算)
 (東京電力(株)の発表をもとに作成※1) 試料採取日:平成26年4月1日~4月24日

Distribution map of radioactivity in the
 marine soil around TEPCO Fukushima Dai-ichi NPP (Converted as dry soil)
 (Based on the press release of TEPCO※1) Sampling Date: Apr 1 - Apr 24, 2014

平成26年5月26日現在
 May 26, 2014



* 図中の□及び△は東京電力(株)福島第一原子力発電所及び福島第二原子力発電所を示す。
 * The legends □ and △ indicate the locations of TEPCO Fukushima Dai-ichi and Dai-ni NPPs, respectively.

* 太字下線データが今回追加分。
 * Boldface and underlined readings are new.

* 1 平成26年4月より乾燥処理後に測定。
 * 1 A measuring have changed before drying to after drying since April, 2014.

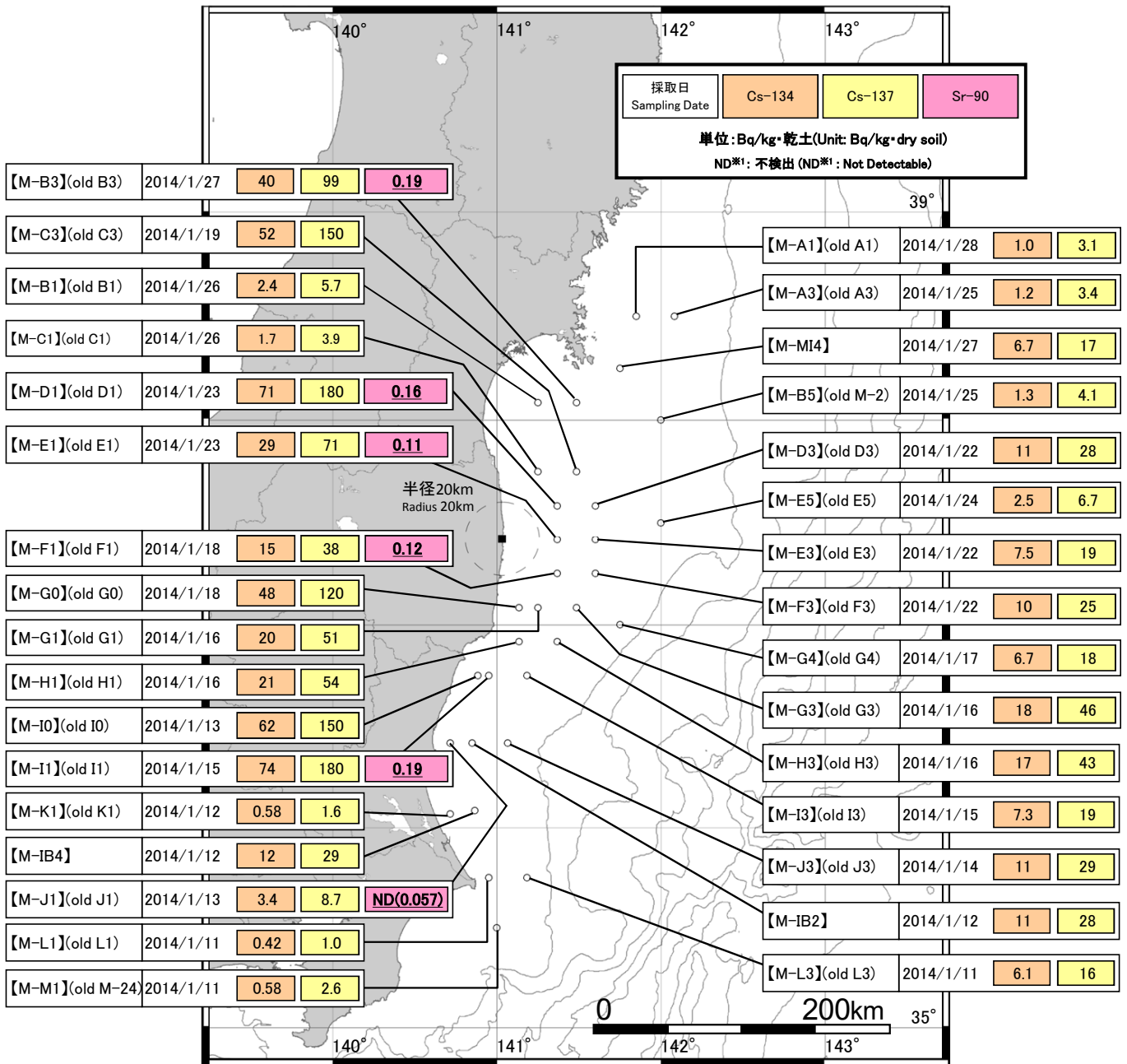
※1 東京電力(株)の発表 (<http://www.tepco.co.jp/nu/fukushima-np/f1/smp/index-j.html>)
 ※1 Based on the press release of TEPCO (<http://www.tepco.co.jp/en/nu/fukushima-np/f1/smp/index-e.html>)

宮城県・福島県・茨城県・千葉県沖における海域モニタリング結果(Sr)(海底土)

Readings of Sea Area Monitoring at offshore of Miyagi, Fukushima, Ibaraki and Chiba Prefecture(Sr) (marine soil)

試料採取日:平成26年1月13日~27日
(Sampling Date: Jan 13- 27, 2014)

公表日:平成26年3月28日
(Published: Mar 28, 2014)



※1 NDの記載は、海底土の放射能濃度の検出値が検出下限値を下回る場合。

※1 ND indicates the case that the detected radioactivity concentration in marine soil was lower than the detection limits.

* 図中の■は東京電力(株)福島第一原子力発電所を示す。

* The legend ■ indicates the location of TEPCO Fukushima Dai-ichi NPP.

* 原子力規制委員会の委託事業により、(公財)海洋生物環境研究所が採取した試料を(独)日本原子力研究開発機構が分析。

* The samples were collected by Marine Ecology Research Institute (MERI) and analyzed by Japan Atomic Energy Agency (JAEA) on the project commissioned by Nuclear Regulation Authority (NRA).

* 太字下線データが今回追加分。

* Boldface and underlined readings are new.

(参考)

・平成20-22年度「海洋環境放射能総合評価事業」の核燃料サイクル施設沖合海域(青森県・岩手県沖合海域)の海底土の環境放射能調査の結果:
Cs-137:0.36~4.2Bq/kg・乾土

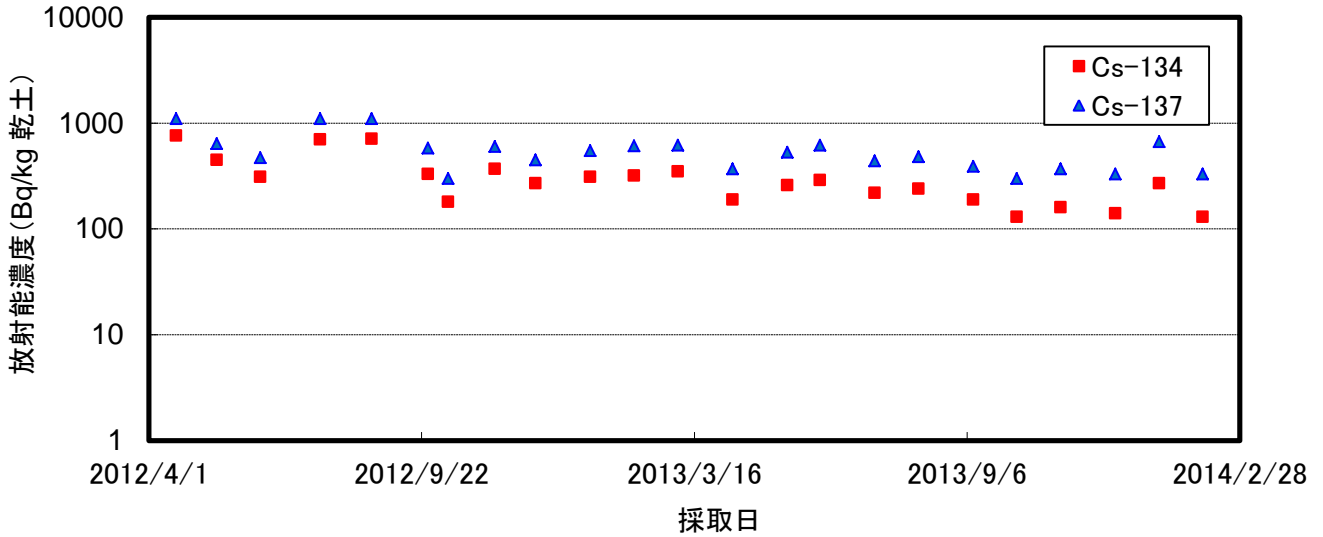
(Reference)

・The results of the environmental radioactivity measurement in the marine soil in the sea area of Nuclear Fuel Cycle Facility at offshore of Aomori and Iwate Prefecture shown in the report "Oceanic Environmental Radioactivity Synthesis Evaluation Business" FY 2008-2010 :
Cs-137:0.36~4.2Bq/kg·dry soil

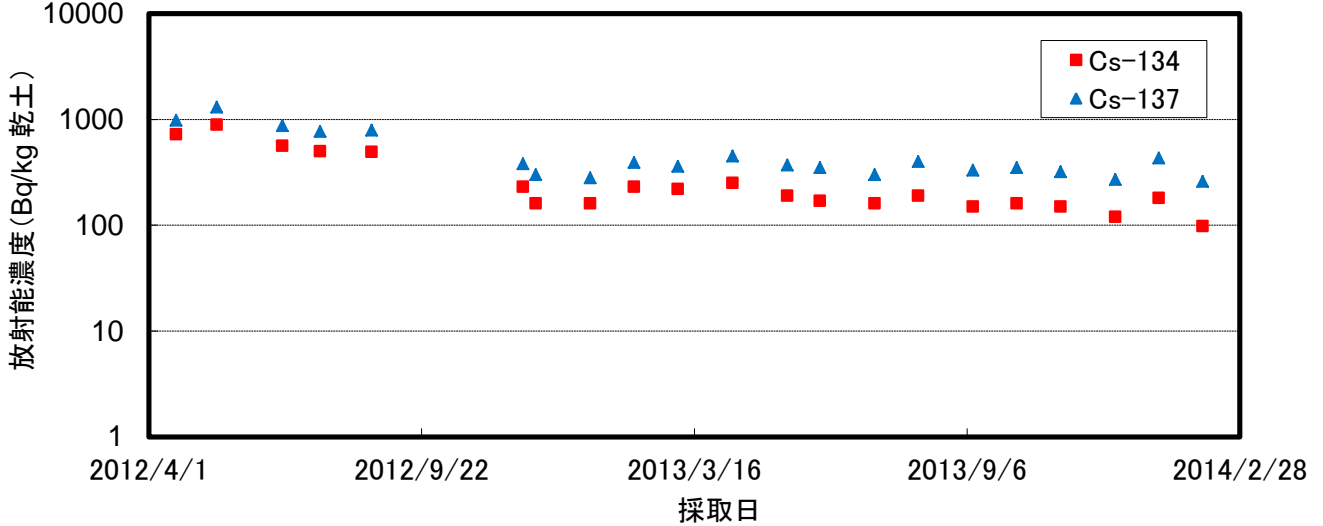
福島沿岸の海底土の放射能濃度の推移

震災後から平成26年3月31日公表分までのデータを基に作成

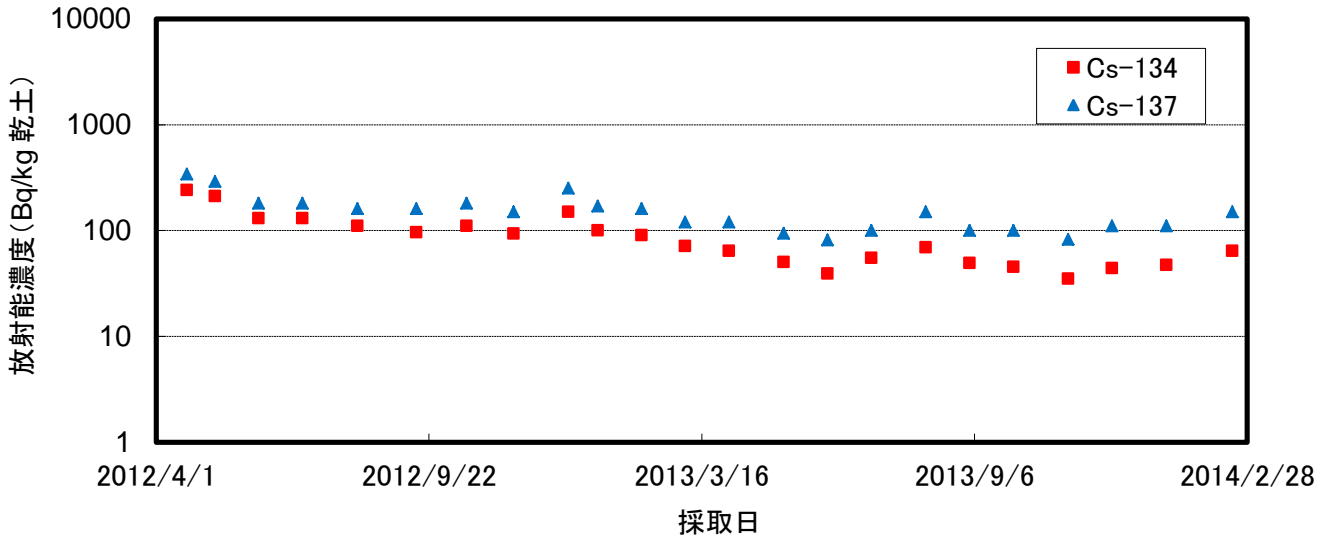
測定ポイント:T-1



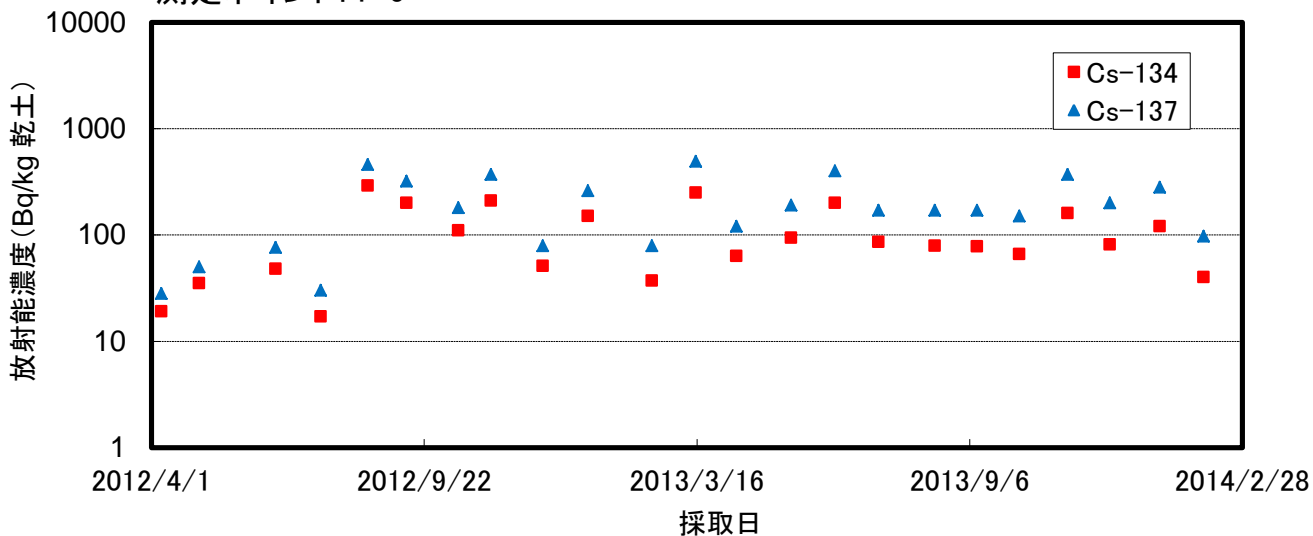
測定ポイント:T-2-1(平成24年11月までT-2)



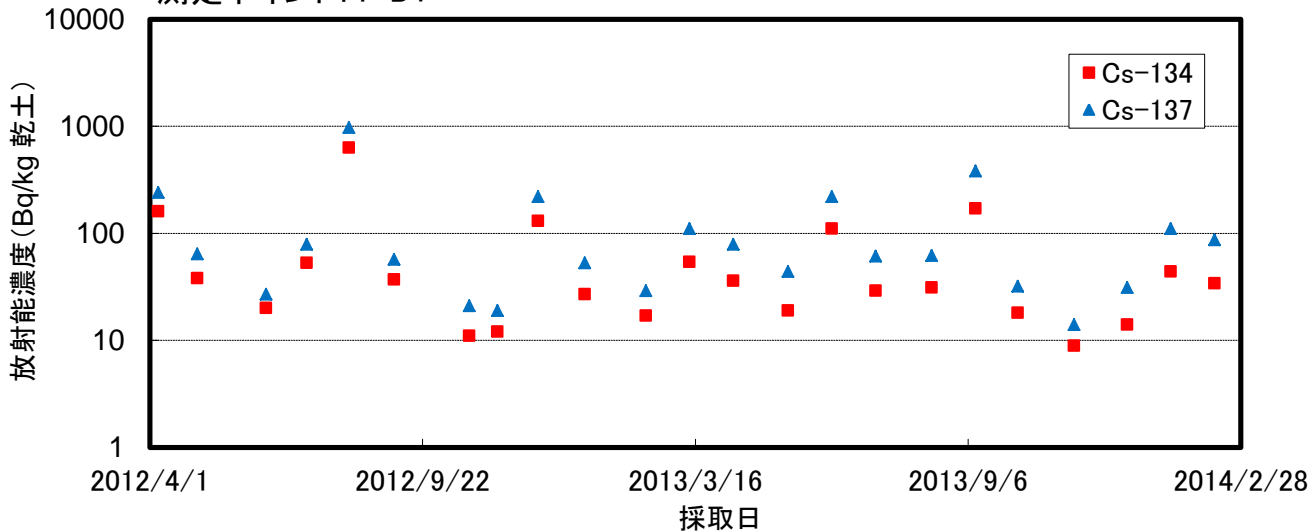
測定ポイント:T-3



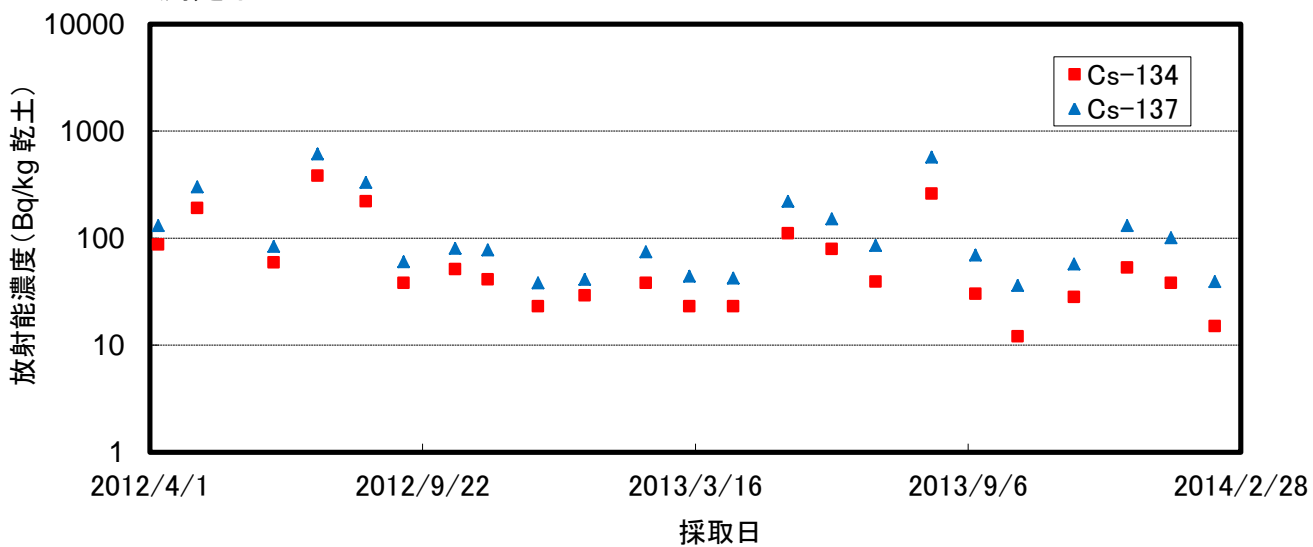
測定ポイント:T-5



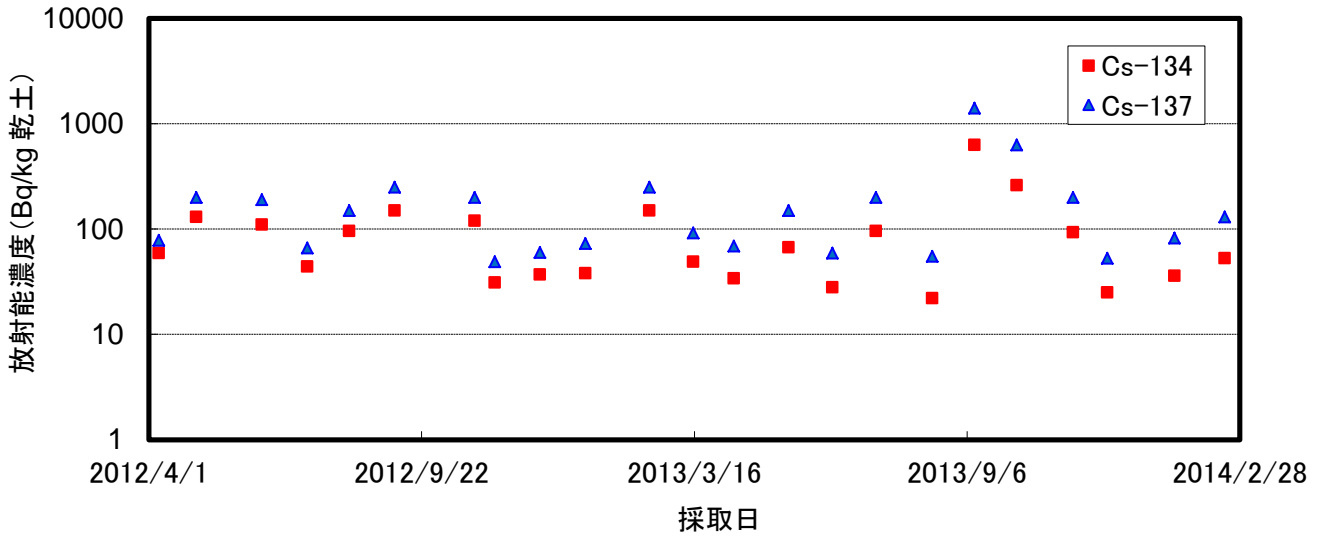
測定ポイント:T-D1



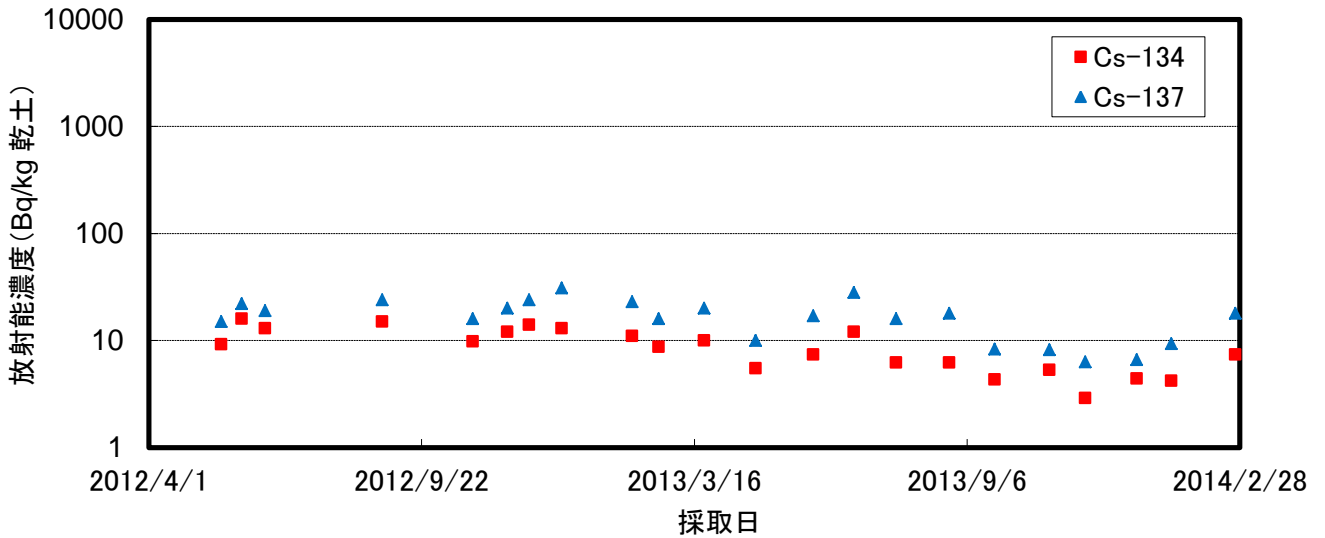
測定ポイント:T-D5



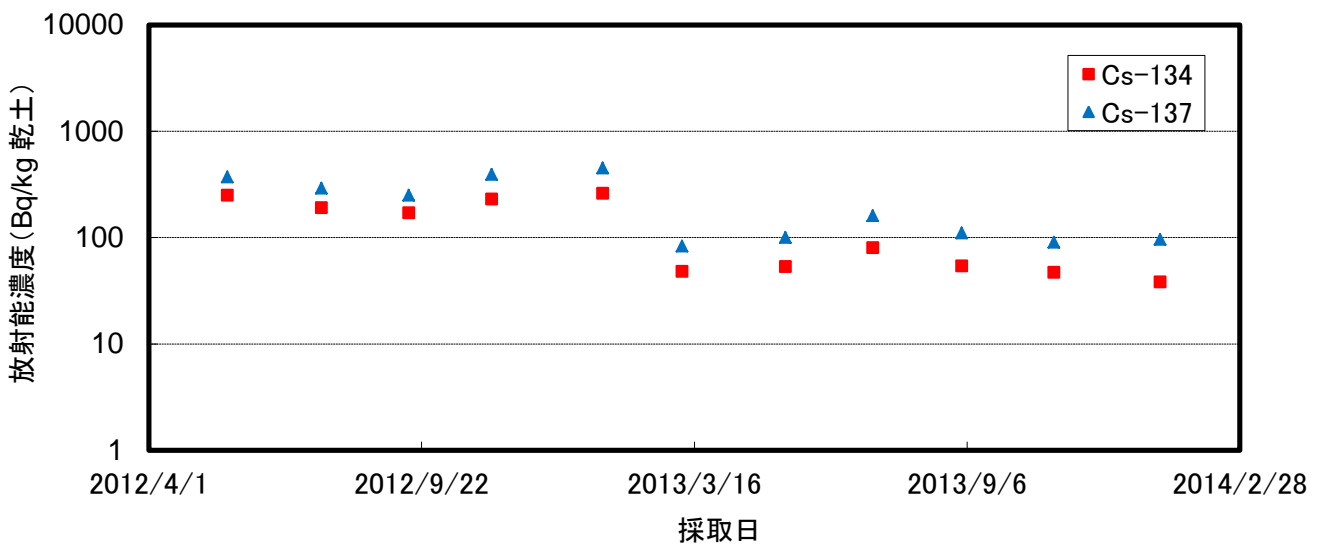
測定ポイント:T-D9



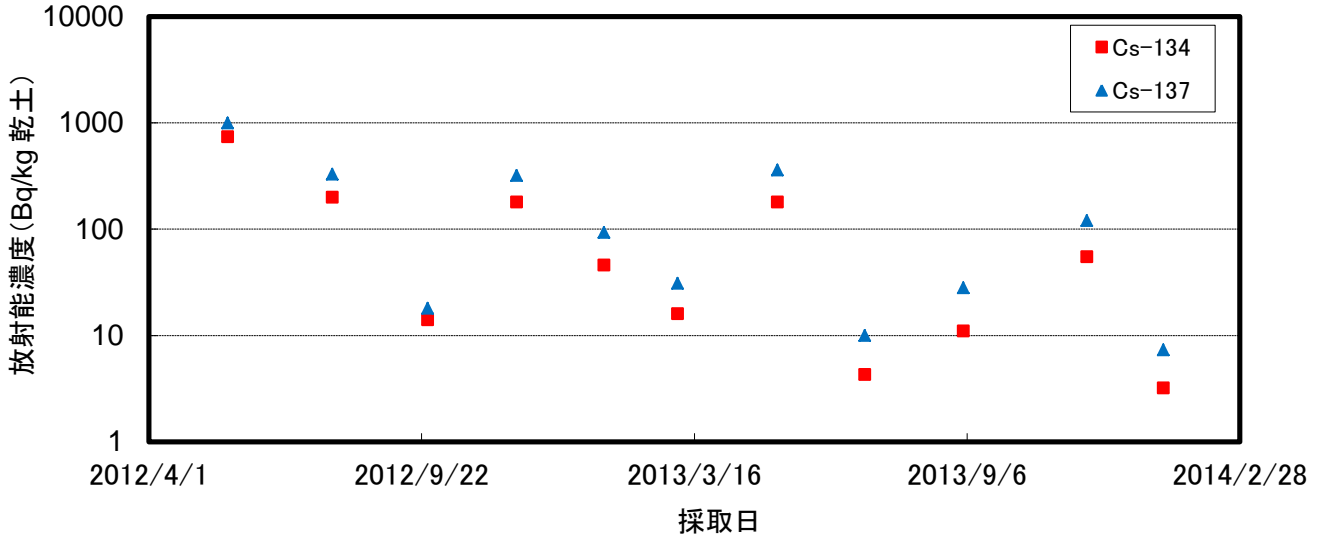
測定ポイント:T-B1



測定ポイント:T-18



測定ポイント:T-22



測定ポイント:T-M10

