

Nuclide analysis results of ocean soil<1/2>

Reference

(Data summarized on February 15)

Place of Sampling	North of Discharge Channel of 5-6u of 1F (approx. 30m north of 5-6u discharge channel)	Around South Discharge Channel of 1F (1-4u Discharge Channel)	Around North Discharge Channel of 2F (Around 3,4u Discharge Channel) (approx. 10 km from 1F)	Around Iwasawa Shore of 2F (approx. 7 km south of 1,2u Discharge Channel) (approx. 16 km from 1F)	3km offshore of North of Iwaki City
Time of Sampling	Feb 13, 2012 9:10 AM	Feb 13, 2012 8:45 AM	Feb 13, 2012 2:30 PM	Feb 13, 2012 8:05 AM	Feb 13, 2012 6:35 AM
Detected Nuclides (Half-life)	Radioactivity density (Bq/kg·moist soil)				
I-131 (about 8 days)	ND	ND	ND	ND	ND
Cs-134 (about 2 years)	590	830	230	160	99
Cs-137 (about 30 years)	760	1,100	280	200	130

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.

I-131: approx. 8Bq/kg·moist soil)

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Nuclide analysis results of ocean soil <2/2>

Reference

(Data summarized on February 15)

Place of Sampling	3km offshore of Natsui River	3 km offshore of Numanouchi	3km offshore of Toyoma		
Time of Sampling	Feb 13, 2012 7:02 AM	Feb 13, 2012 7:25 AM	Feb 13, 2012 7:43 AM		
Detected Nuclides (Half-life)	Radioactivity density (Bq/kg·moist soil)				
I-131 (about 8 days)	ND	ND	ND		
Cs-134 (about 2 years)	68	96	190		
Cs-137 (about 30 years)	95	130	250		

* Data of other nuclides are under evaluation.

* "ND" means the sampled data is below measurable limit.

I-131: approx. 5Bq/kg·moist soil)

Please note that these nuclides are sometimes detected even when they are below the limits, contingent on the detector or samples.

Pu Nuclide analysis results of ocean soil

1. Results

(Unit : Bq/kg· oven dry soil)

Place of Sampling	Date Organization	Pu-238	Pu-239,Pu-240
3km offshore of Iwasawa shore	January 5 JCAC	N.D. [$<1.4 \times 10^{-2}$]	(3.4 ± 0.25) $\times 10^{-1}$
3km offshore of Odaka ward	January 7 JCAC	N.D. [$<1.1 \times 10^{-2}$]	(3.2 ± 0.22) $\times 10^{-1}$
3km of Haramachi ward		N.D. [$<1.5 \times 10^{-2}$]	(3.8 ± 0.26) $\times 10^{-1}$
8km offshore of Iwasawa shore		N.D. [$<1.3 \times 10^{-2}$]	(3.7 ± 0.25) $\times 10^{-1}$
15km offshore of Fukushima Daiichi NPS site	January 10 JCAC	N.D. [$<1.3 \times 10^{-2}$]	(1.8 ± 0.16) $\times 10^{-1}$
5km off shore of Numanouchi	January 13 JCAC	N.D. [$<1.6 \times 10^{-2}$]	(5.7 ± 0.35) $\times 10^{-1}$
North of Discharge channel of Fukushima Daiichi u 5,6	January 18 JCAC	N.D. [$<1.4 \times 10^{-2}$]	(6.9 ± 0.96) $\times 10^{-2}$
Around South Discharge channel of Fukushima Daiichi		N.D. [$<1.4 \times 10^{-2}$]	(1.2 ± 0.13) $\times 10^{-1}$
5km offshore of Kashima	January 26 JCAC	N.D. [$<1.2 \times 10^{-2}$]	(4.7 ± 0.30) $\times 10^{-1}$
Past measurement area in the sea around Fukushima Daiichi and Fukushima Daini (FY1999 ~ FY2008) ¹		-	$1.7 \times 10^{-1} \sim 5.6 \times 10^{-1}$
Past measurement area in the country (FY2006 ~ 2010) ²		N.D. $\sim 6 \times 10^{-2}$	-

Number inside [] means detection limit

1 : Source “ FY2009 Report of Environment Radioactivity Measurement around Nuclear Power Station ” (Fukushima Prefecture Nuclear Power Station Liaison Conference of Security Technology)

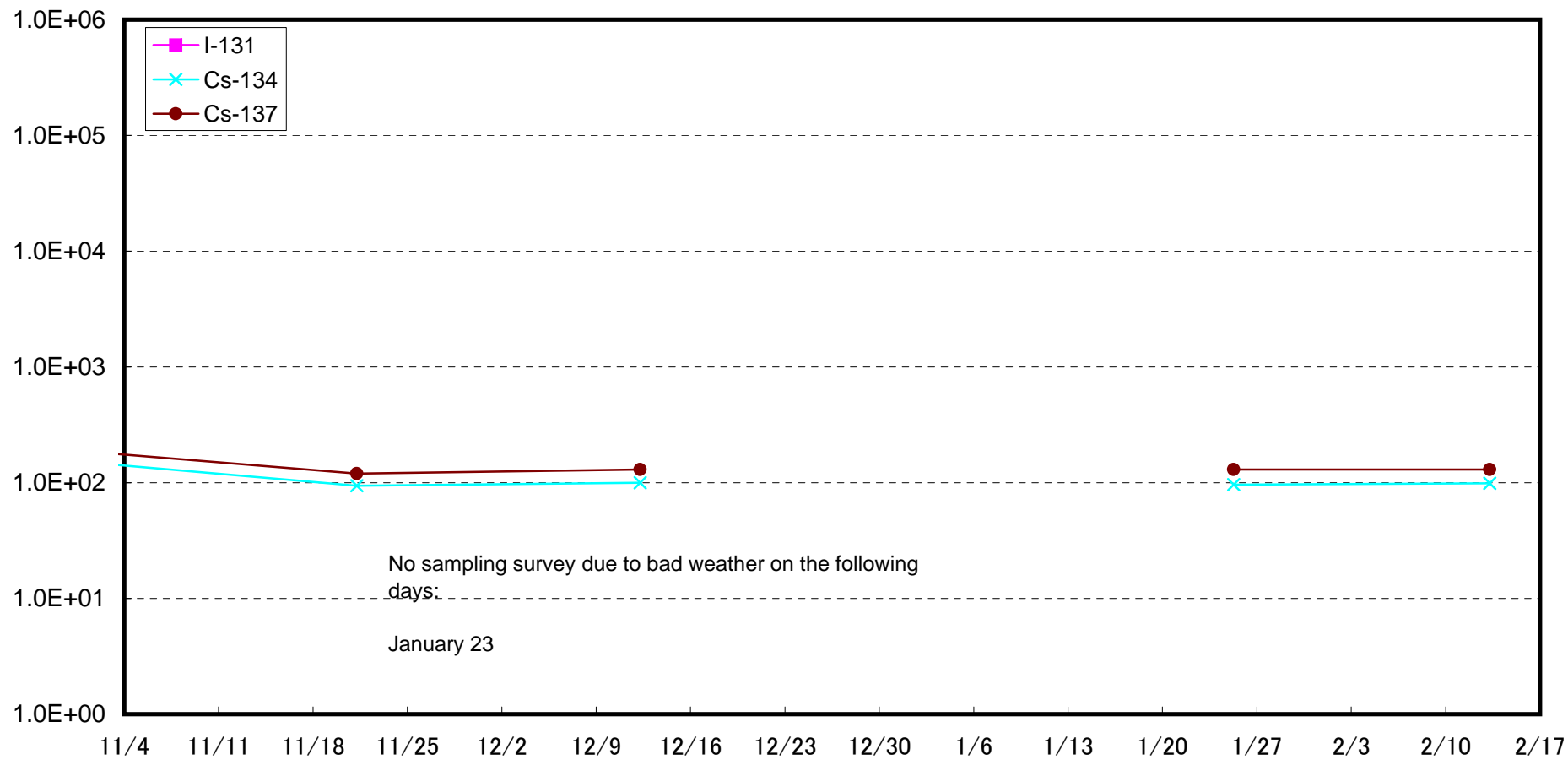
2 : Source Ministry of Education, Culture, Sports, Science and Technology ” Environmental Radiation Database ” <http://search.kankyo-hoshano.go.jp/servlet/search.top> , (Reference 2012-Jan-18).

2. Evaluation

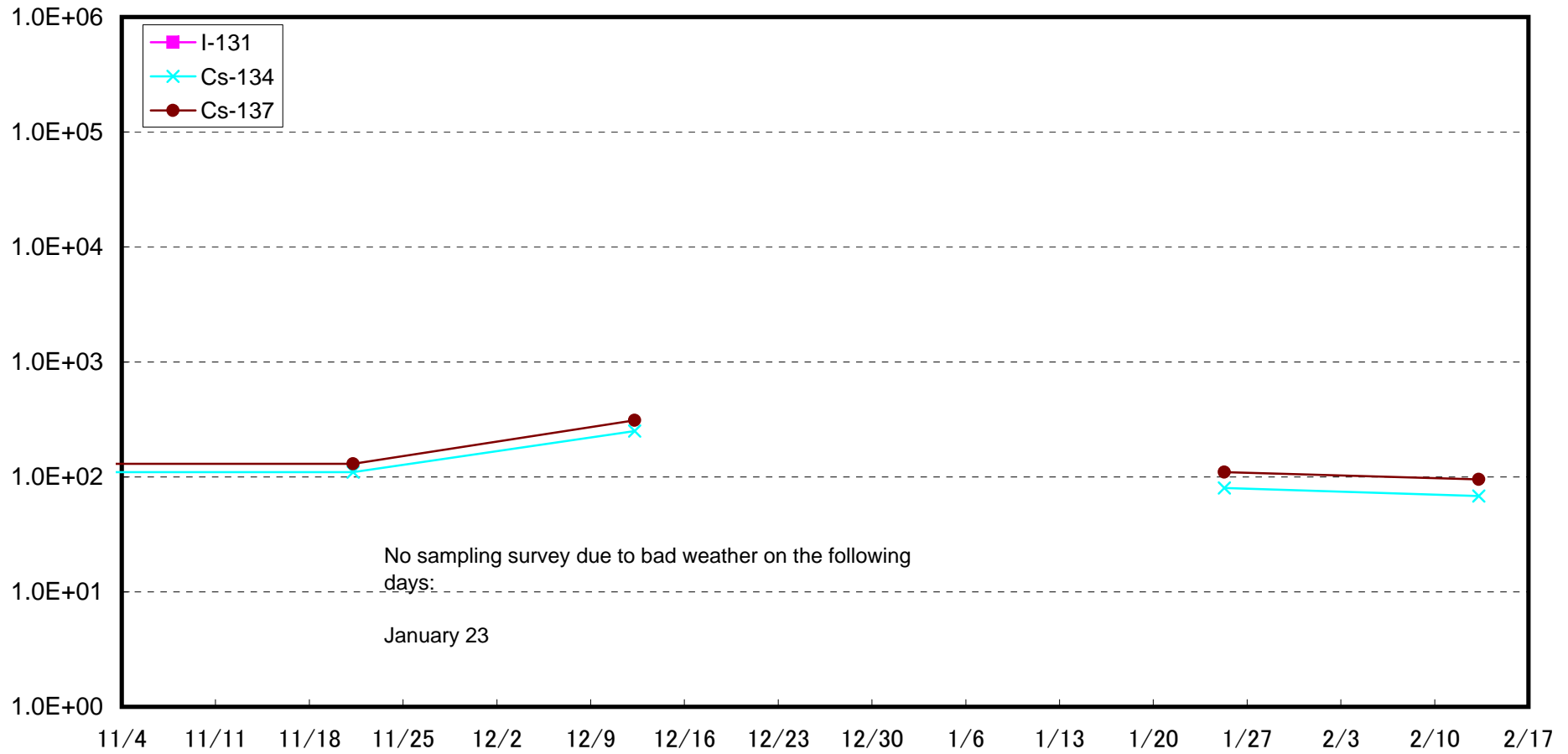
Since the density of Pu-239, 240 detected during January 5 to January 26 were same level of those result measured in past, thus we can't judged it originated from the accident

END

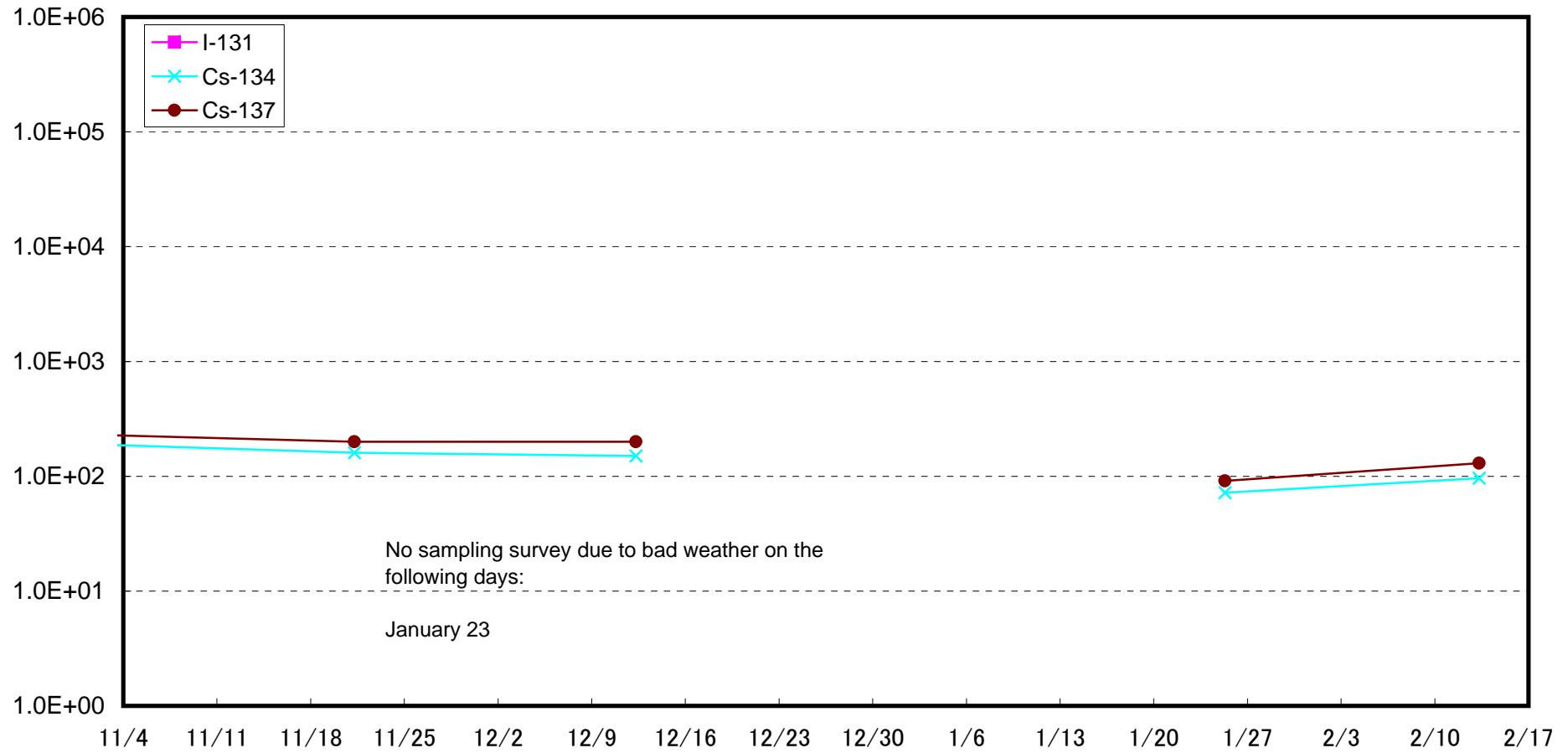
Radioactivity Density of Ocean Soil around approx. 3km offshore of North of Iwaki City (Bq/kg (moist soil))



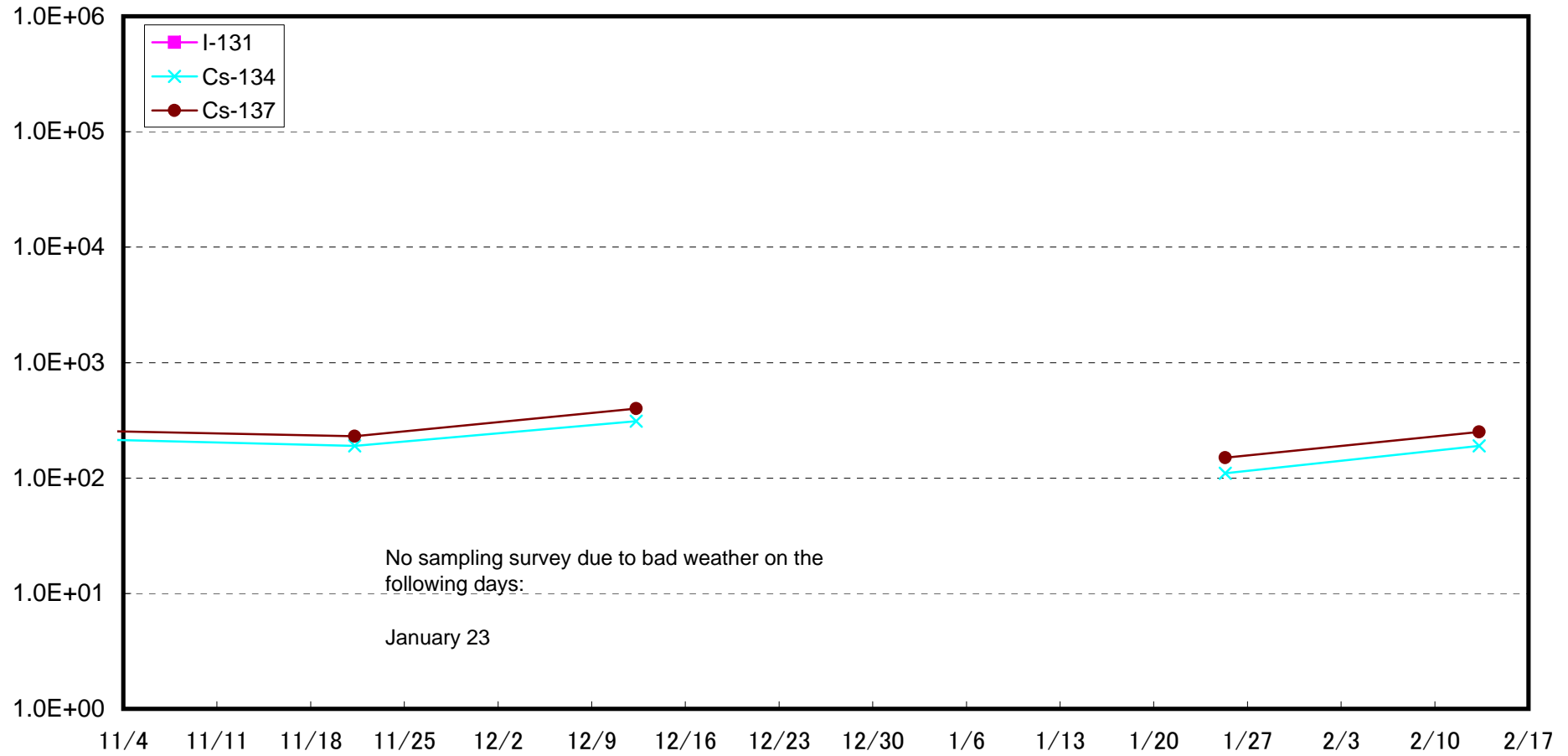
Radioactivity Density of Ocean Soil around approx. 3km offshore of Natsui River (Bq/kg (moist soil))



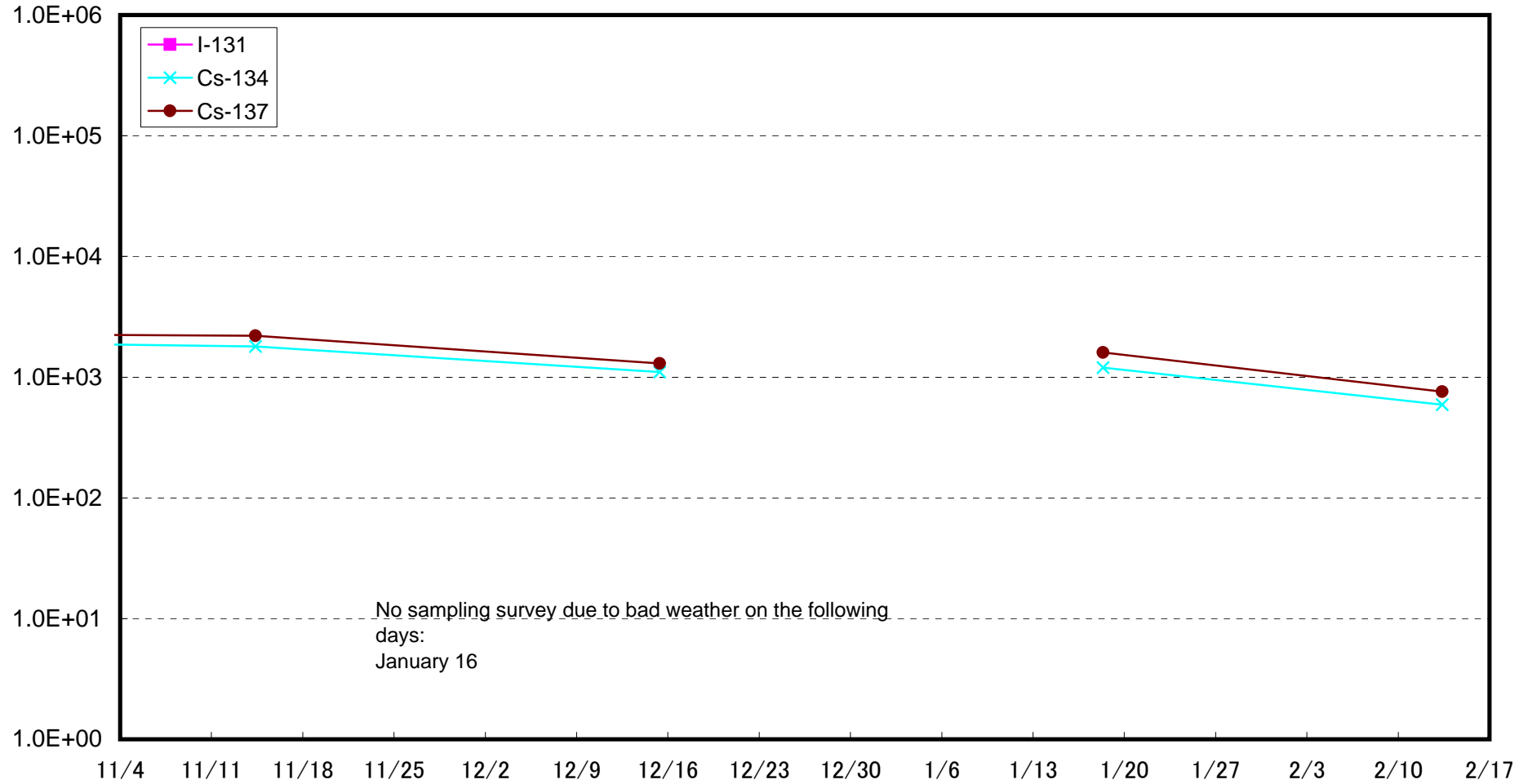
Radioactivity Density of Ocean Soil around approx. 3km offshore of Numanouchi (Bq/kg (moist soil))



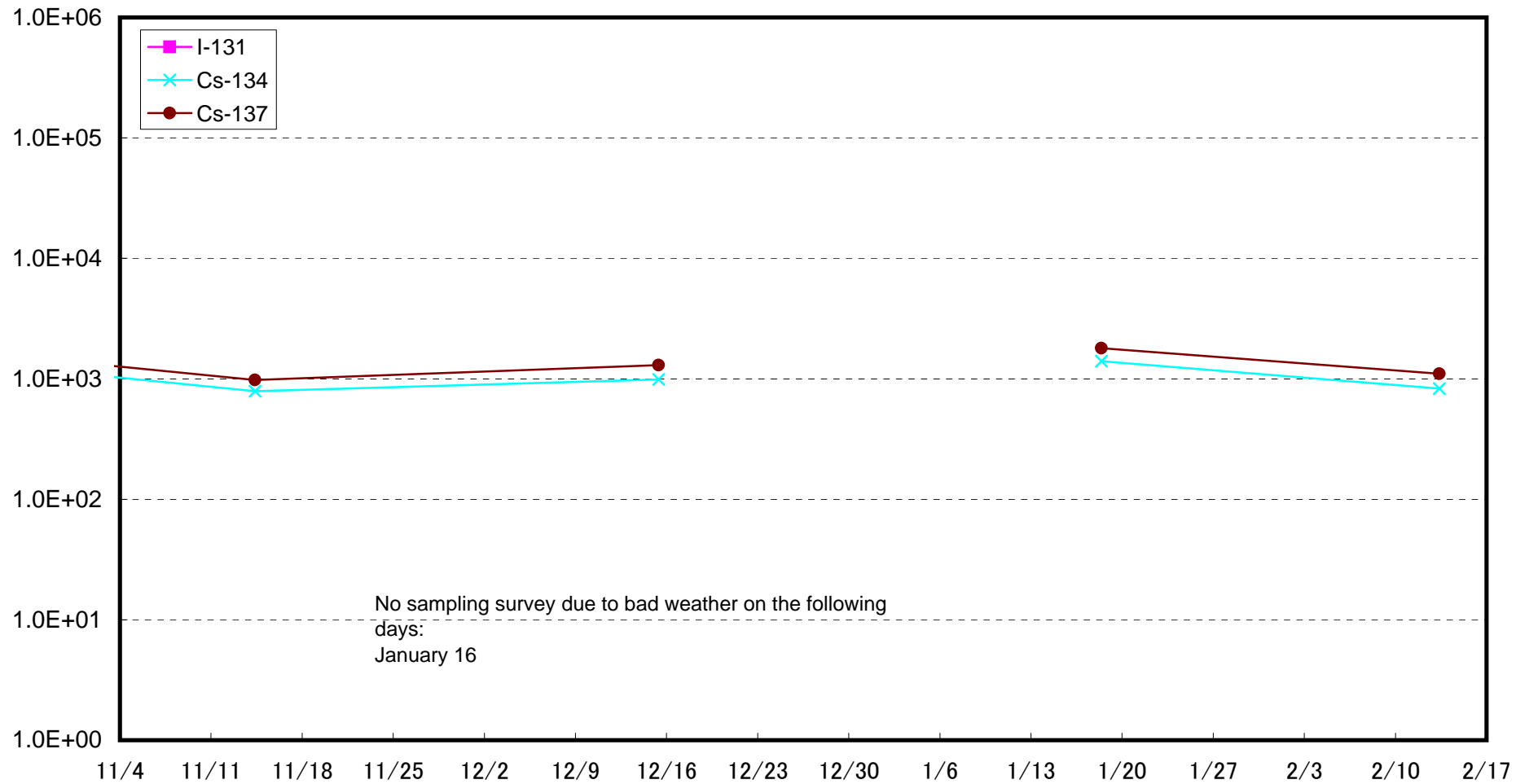
Radioactivity Density of Ocean Soil around approx. 3km offshore of Toyoma (Bq/kg (moist soil))



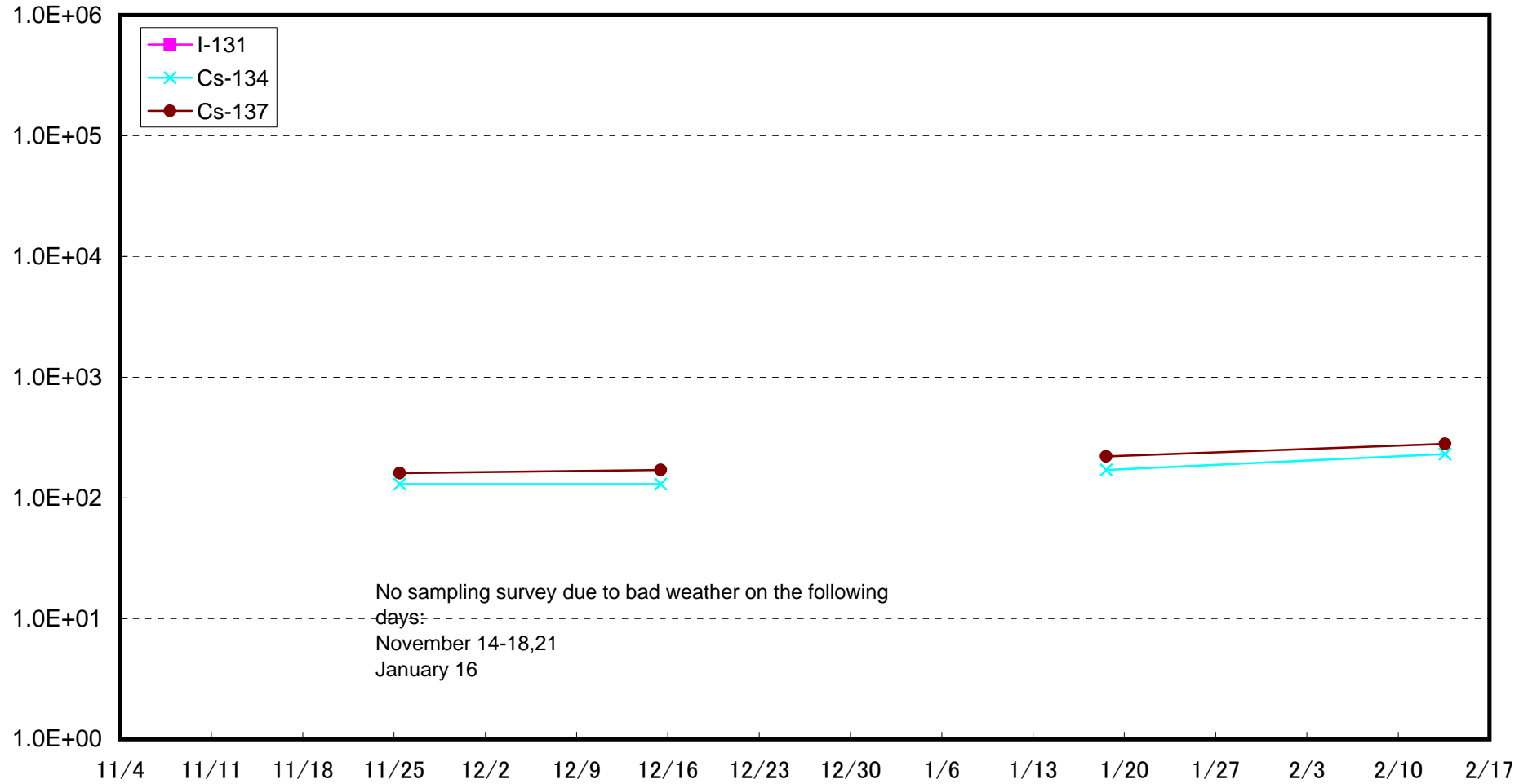
Radioactivity Density of Ocean Soil(Bq/kg(moist soil))
around North of Discharge channel of u 5,6, Fukushima Daiichi



Radio Activity Density of Ocean Soil(Bq/kg(moist soil))
around South Discharge channel, Fukushima Daiichi



Radioactivity Density of Ocean Soil(Bq/kg(moist soil))
around North Discharge channel, Fukushima Daini



Radioactivity Density of Ocean Soil(Bq/kg(moist soil)) around Iwasawa coast, Fukushima Daini

