

Nuclide Analysis Results of Radioactive Materials in Seawater <Coast>

Reference

(Data summarized on February 8)

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 (approx. 330m south of 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)	Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)				
Time of Sampling	Feb 07, 2012 08:50 am	Feb 07, 2012 08:25 am	Feb 07, 2012 08:30 am	Feb 07, 2012 08:10 am					
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)					
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	14	0.23	1.2	0.02	1.5	0.03	ND	-	60
Cs-137 (about 30 years)	19	0.21	1.2	0.01	ND	-	ND	-	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

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

I-131: approx. 0.98Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater <Offshore 1/2>

Reference

(Data summarized on February 8)

Place of Sampling	3 km offshore of Haramachi Ward Upper Layer		3 km offshore of Haramachi Ward Lower Layer		3 km offshore of Odaka Ward Upper Layer		3 km offshore of Odaka Ward Lower Layer		3 km offshore of Iwasawa shore Upper Layer		3 km offshore of Iwasawa shore Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time of Sampling		Time of Sampling		Time of Sampling		Time of Sampling		Time of Sampling		Time of Sampling		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
	I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	90

Place of Sampling	8 km offshore of Odaka Ward Upper Layer		8 km offshore of Odaka Ward Lower Layer		8 km offshore of Iwasawa shore Upper Layer		8 km offshore of Iwasawa shore Lower Layer		/		/		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
	Time of Sampling		Time of Sampling		Time of Sampling		Time of Sampling		Time of Sampling		Time of Sampling		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
	I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	/	/	/	
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	/	/	/	/	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

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

I-131: approx. 0.70Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L

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 Radioactive Materials in Seawater <Offshore 2/2>

Reference

(Data summarized on February 8)

Place of Sampling	3 km offshore of North of Iwaki Upper Layer		3 km offshore of North of Iwaki Lower Layer		3 km offshore of Natsui river Upper Layer		3 km offshore of Natsui river Lower Layer		3 km offshore of Onahama port Upper Layer		3 km offshore of Onahama port Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	Feb 06, 2012 06:30 am		Feb 06, 2012 06:30 am		Feb 06, 2012 07:00 am		Feb 06, 2012 07:00 am		N/A		N/A		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	60
Cs-137 (about 30 years)	ND	-	ND	-	ND	-	ND	-	-	-	-	-	90

Place of Sampling	3 km offshore of Ena Upper Layer		3 km offshore of Ena Lower Layer		3 km offshore of Numanouchi Upper Layer		3 km offshore of Numanouchi Lower Layer		3 km offshore of Toyoma Upper Layer		3 km offshore of Toyoma Lower Layer		Density limit by the announcement of Reactor Regulation (Bq/L) (the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)
Time of Sampling	N/A		N/A		Feb 06, 2012 07:15 am		Feb 06, 2012 07:15 am		Feb 06, 2012 07:30 am		Feb 06, 2012 07:30 am		
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	Density of Sample (Bq/L)	Scaling Factor (/)	
I-131 (about 8 days)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	ND	-	ND	-	ND	-	ND	-	90

* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm³ to Bq/L.

* Data of other nuclides are under evaluation.

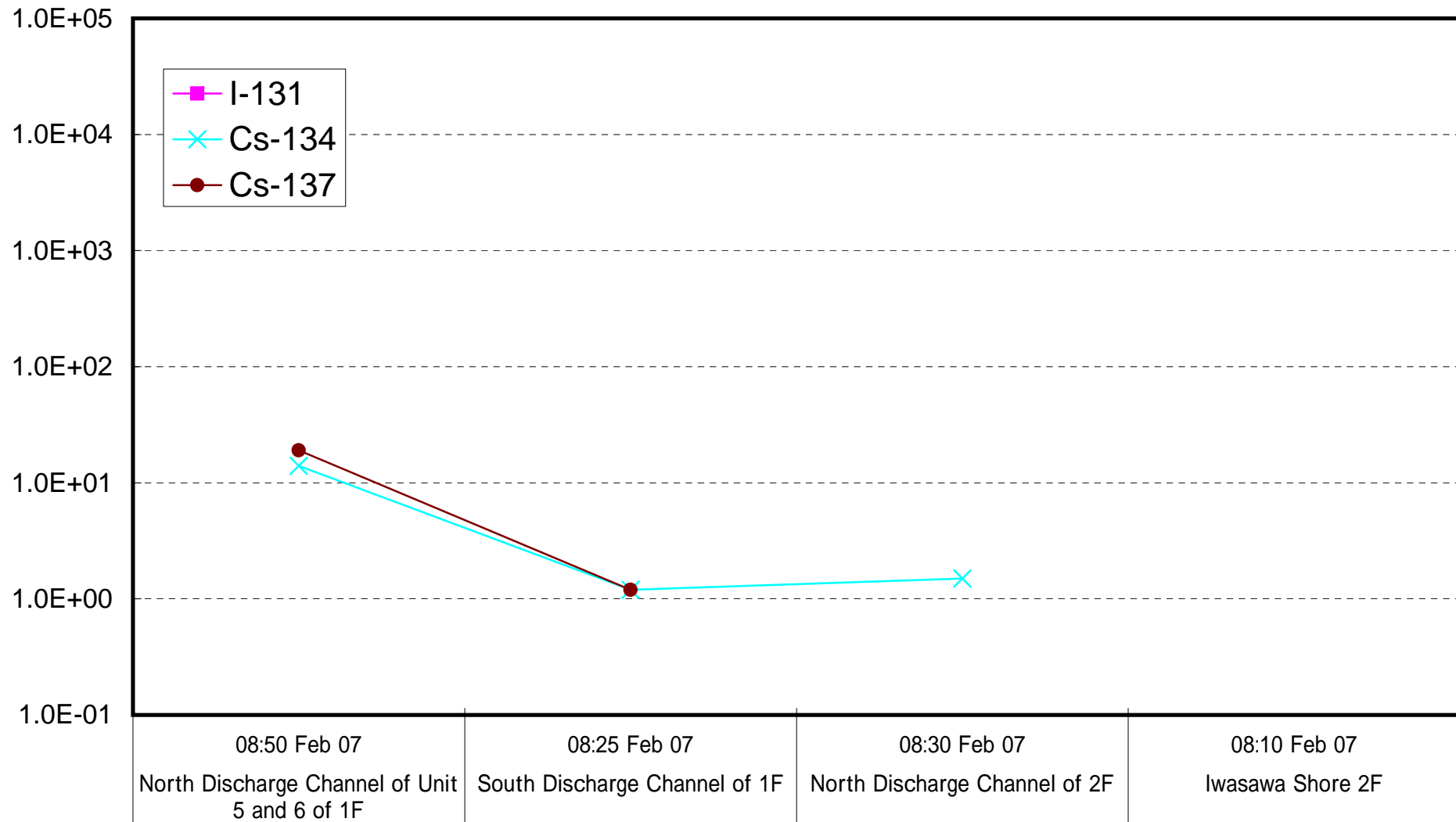
* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

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

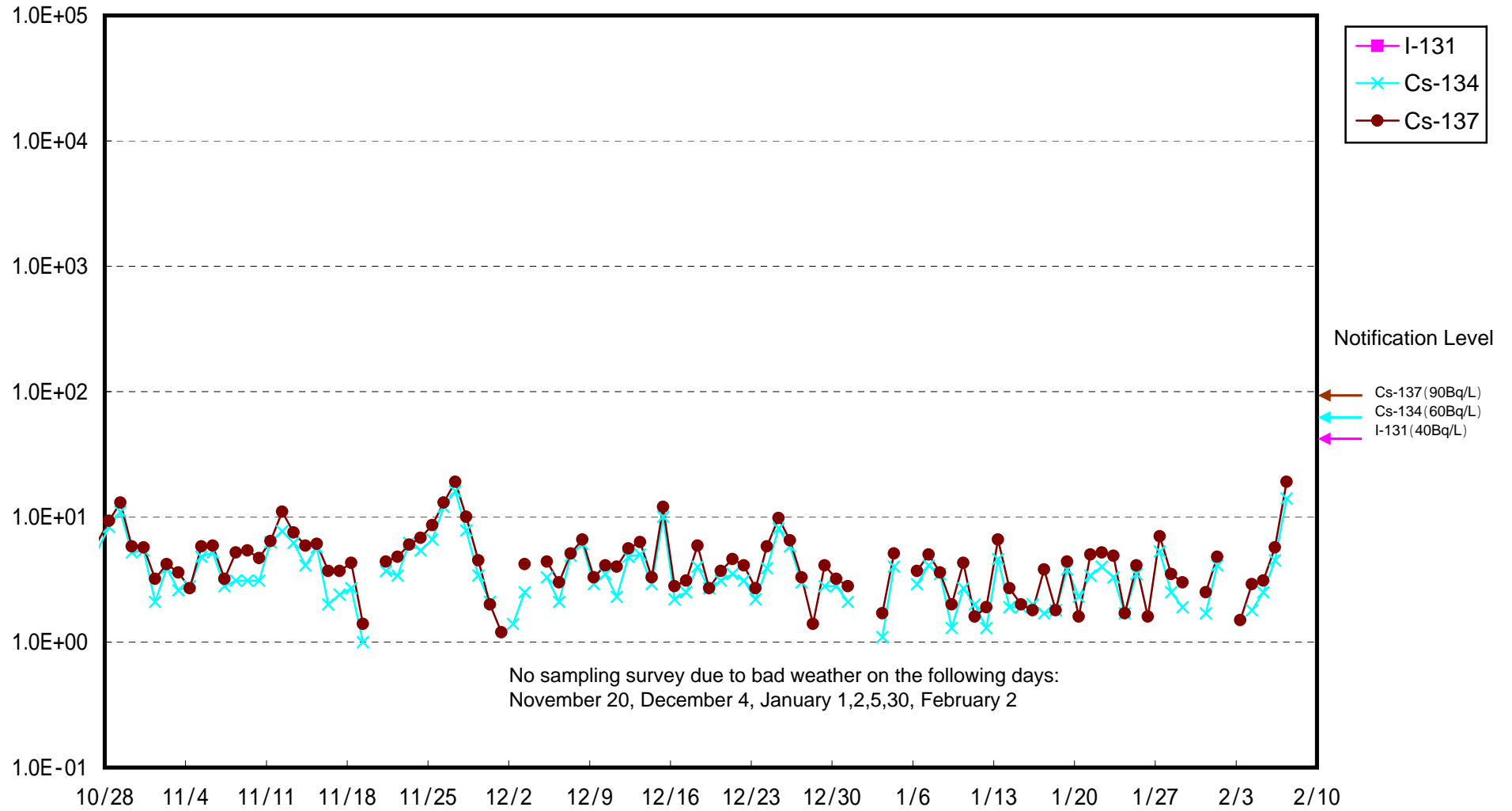
I-131: approx. 0.73Bq/L, Cs-134: approx. 0.86Bq/L, Cs-137: approx. 1.1Bq/L

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

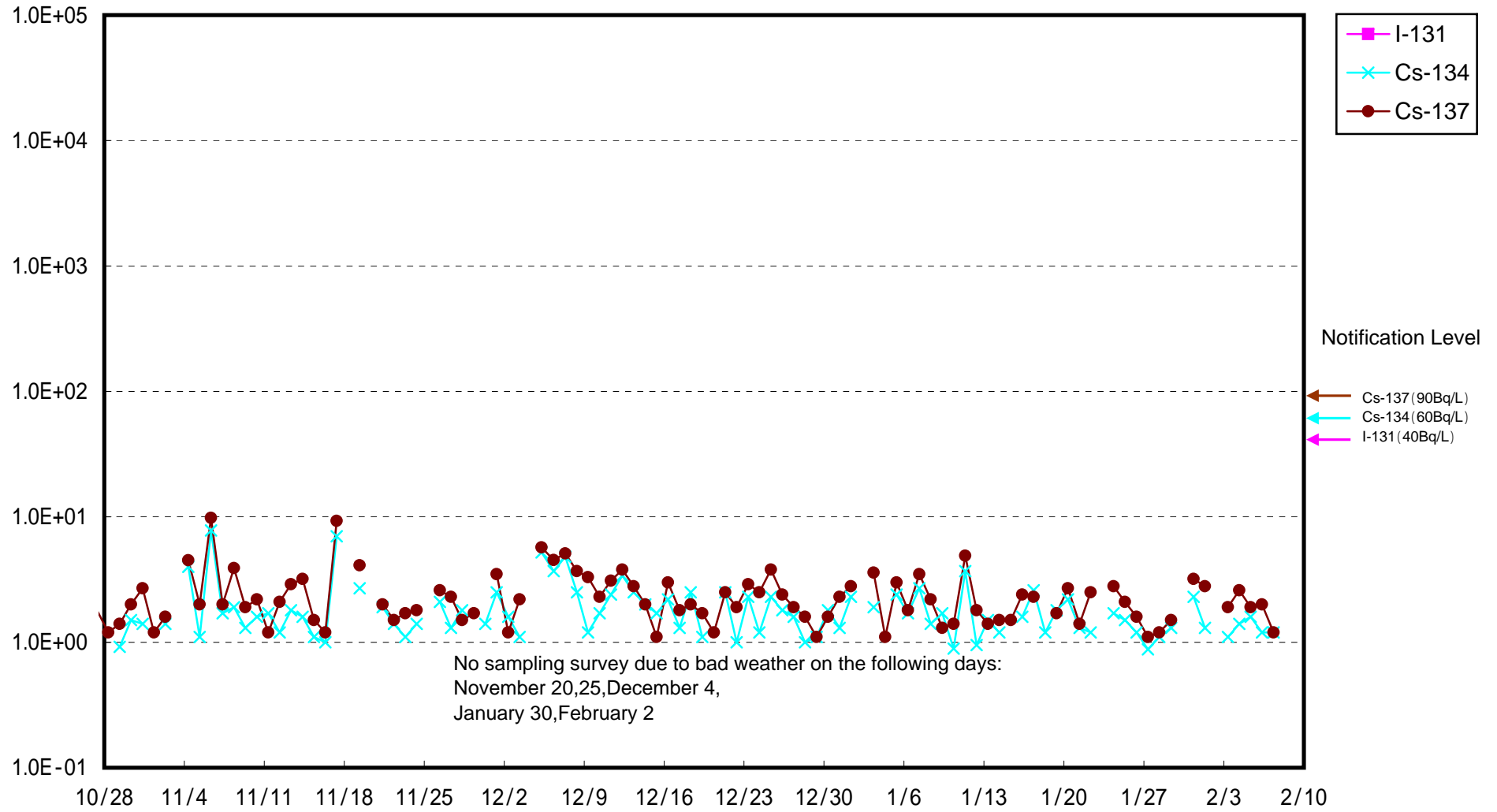
Radioactivity Density of Seawater (Bq/L)



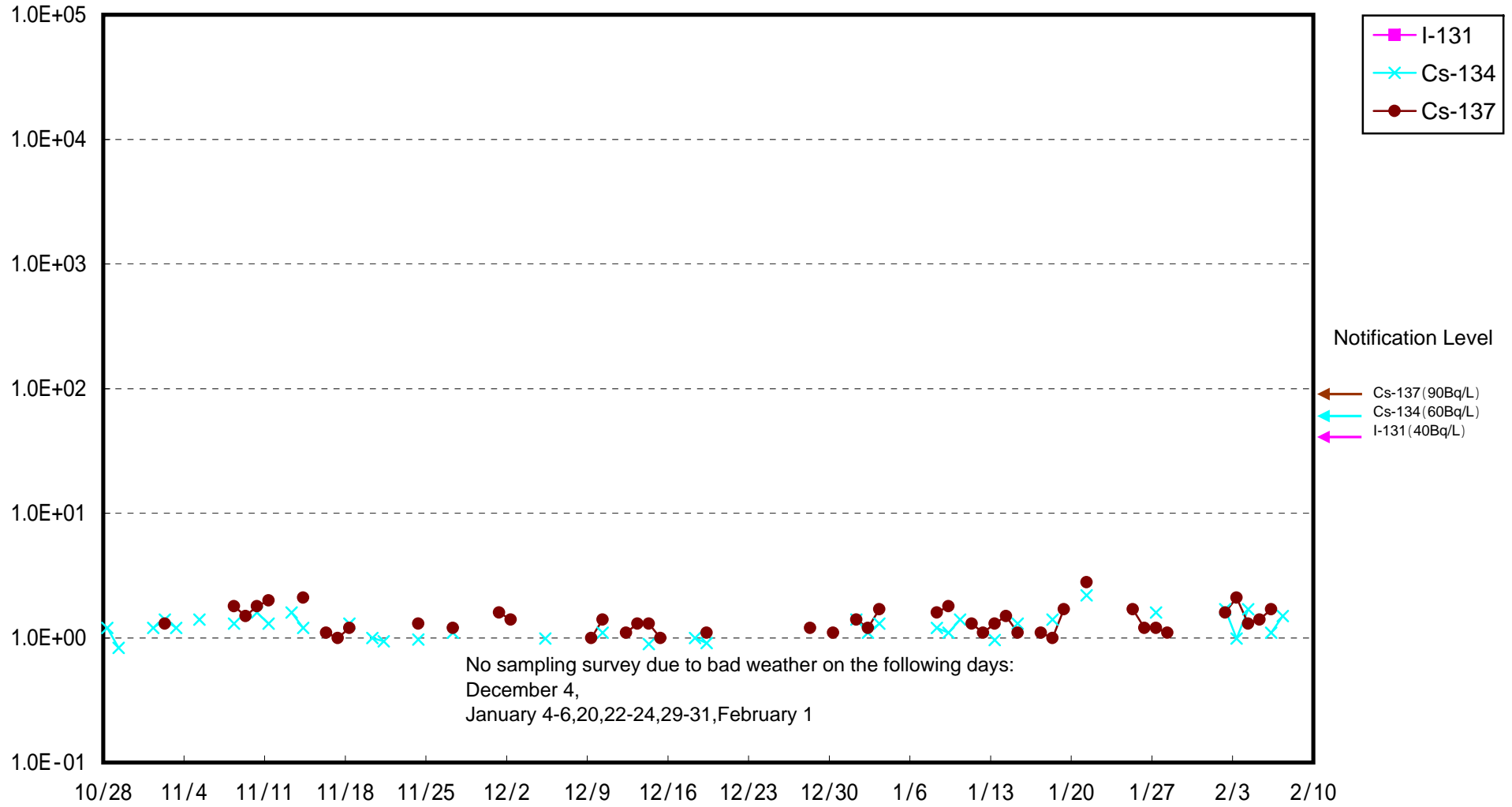
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



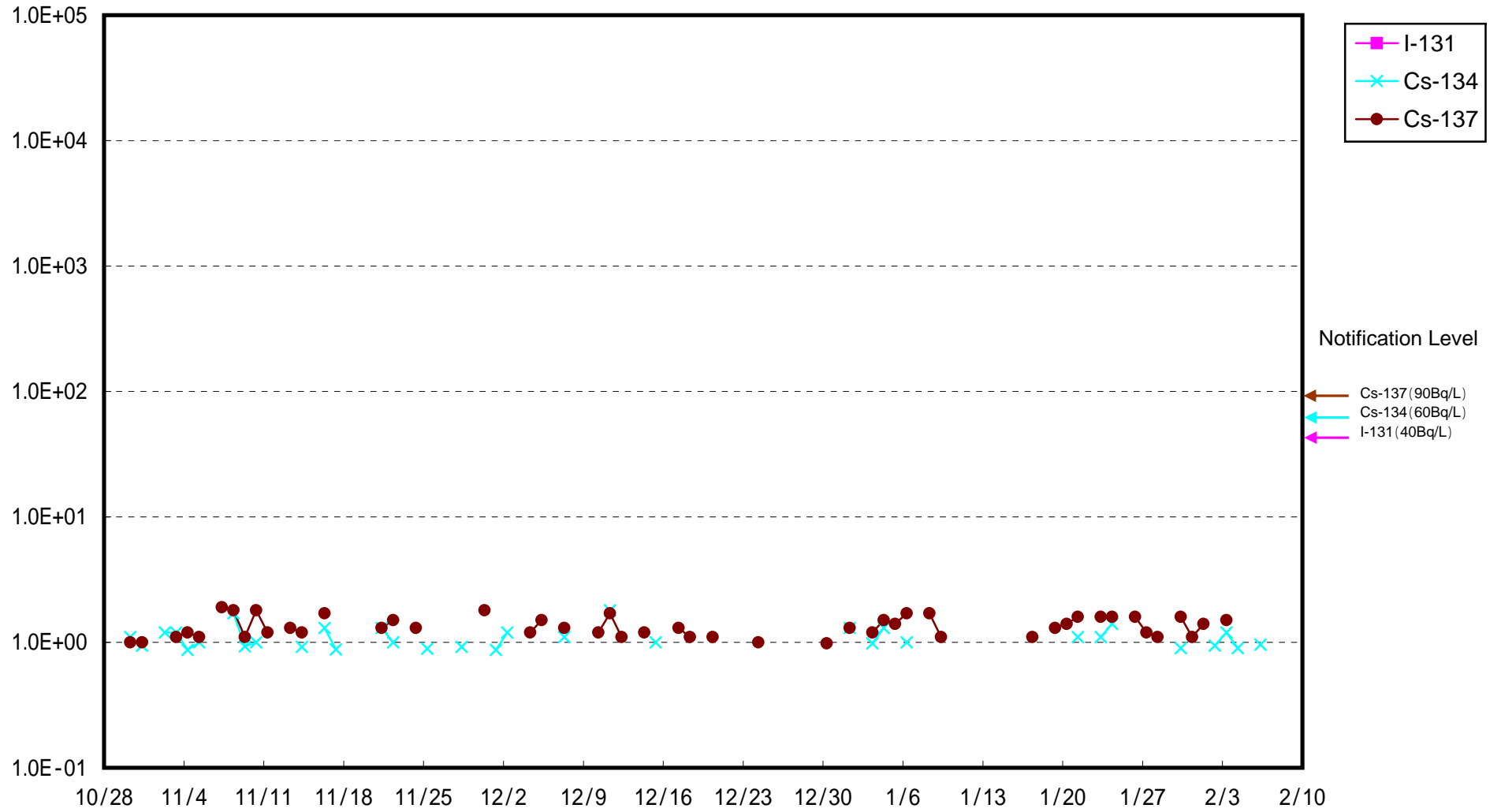
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



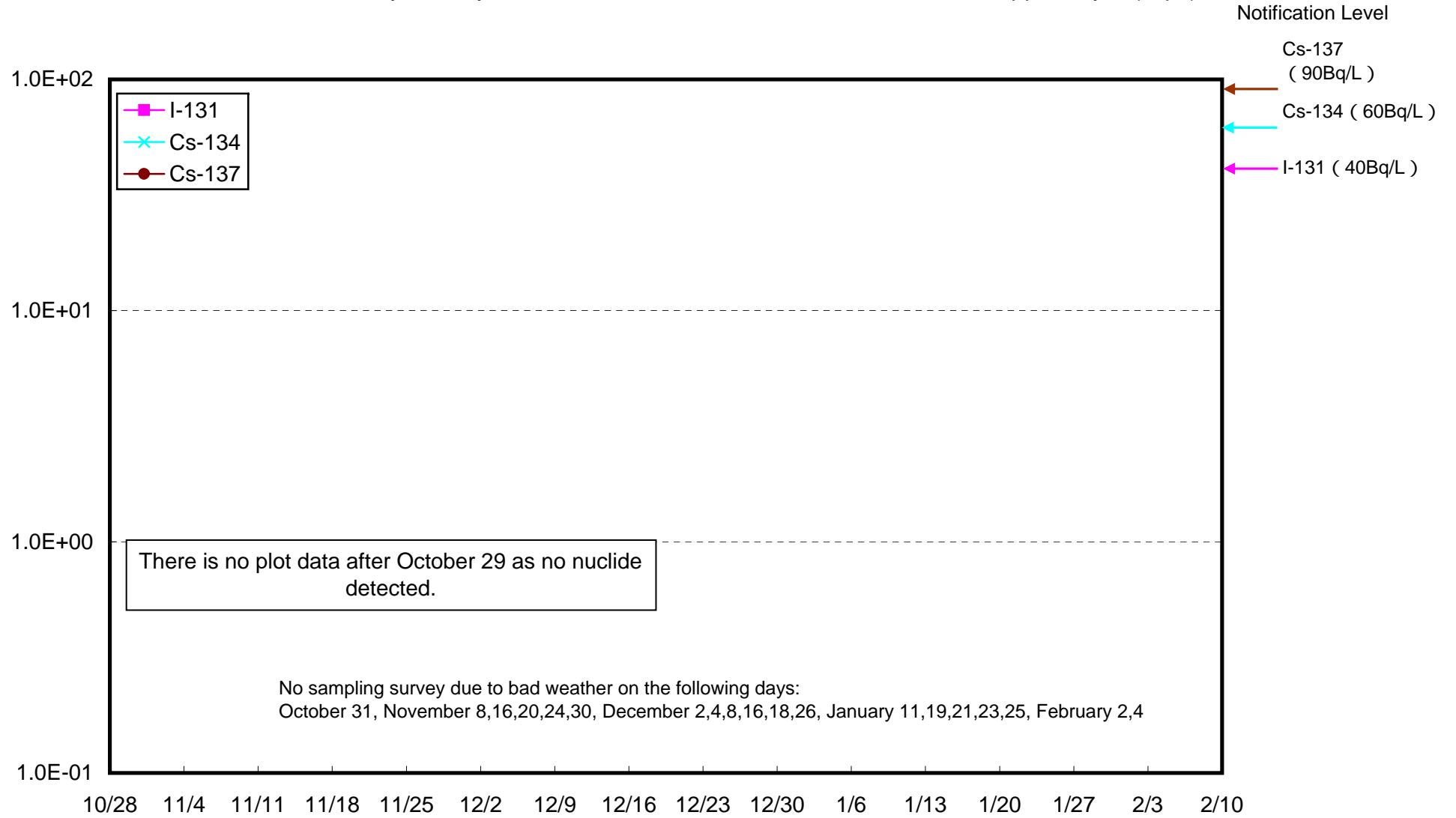
Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)



Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)



Radioactivity Density of Seawater 3km Offshore of Haramachi Ward Upper Layer (Bq/L)



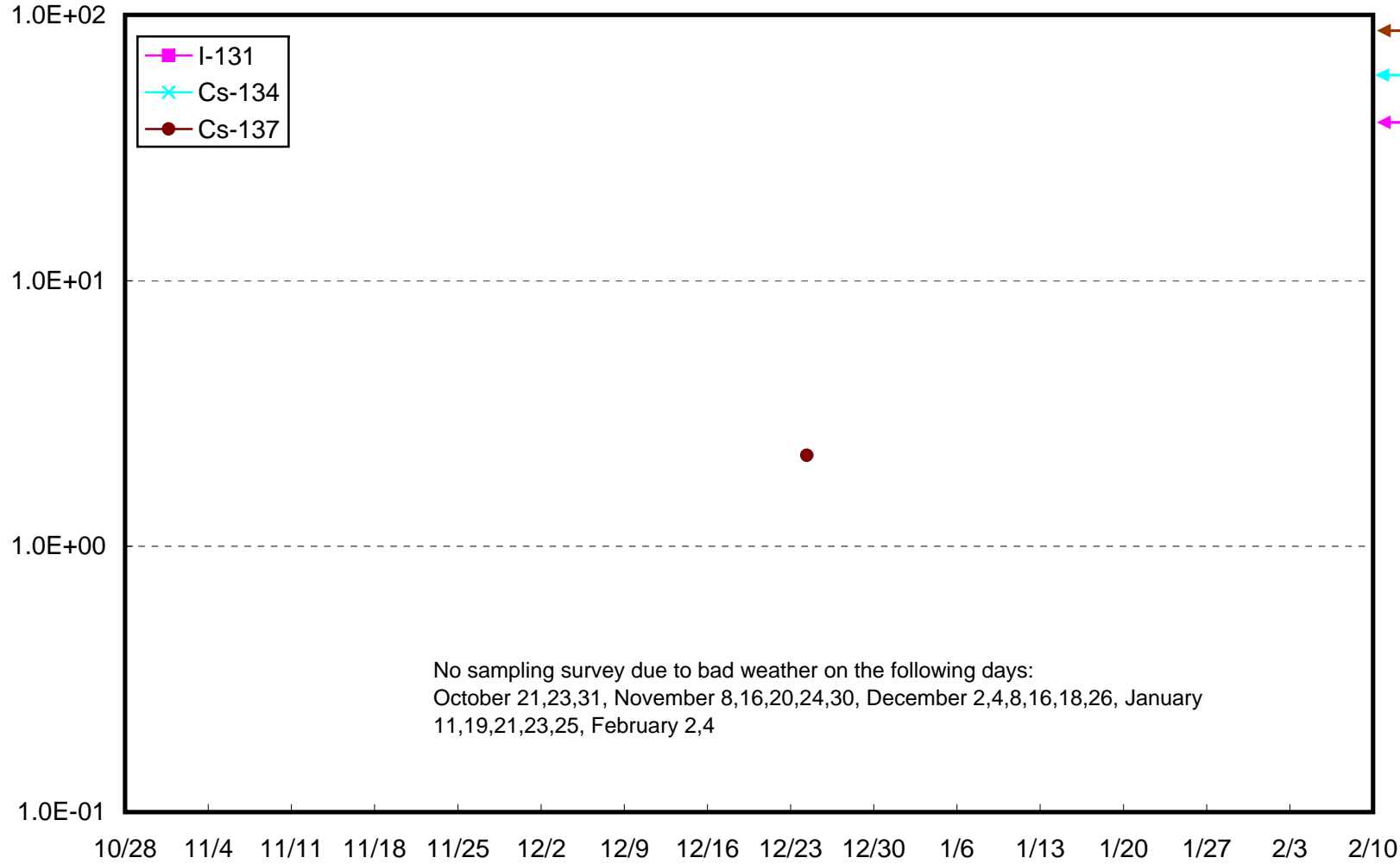
Radioactivity Density of Seawater 3km Offshore of Haramachi Ward Lower Layer (Bq/L)

Notification Level

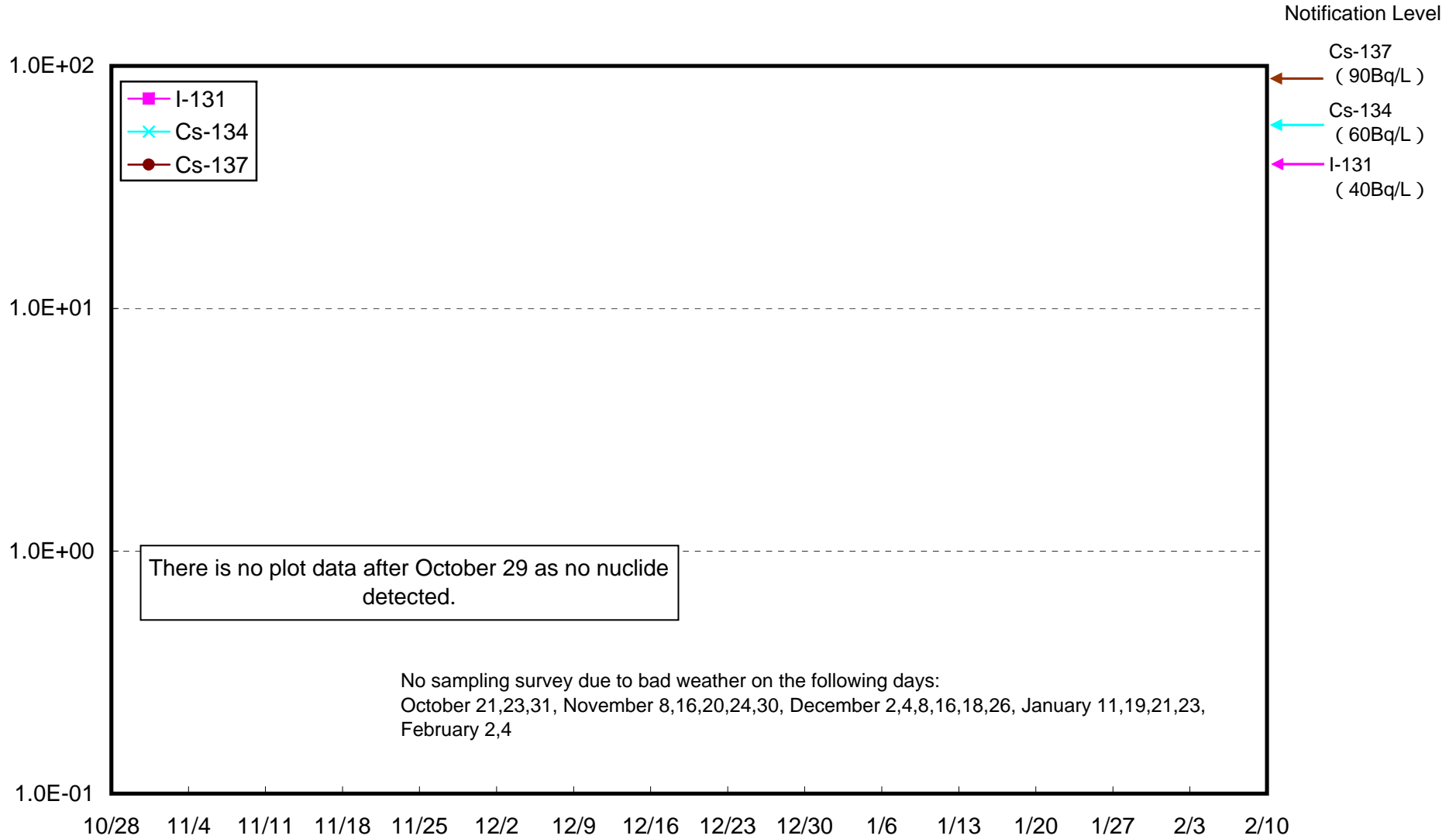
Cs-137
(90Bq/L)

Cs-134 (60Bq/L)

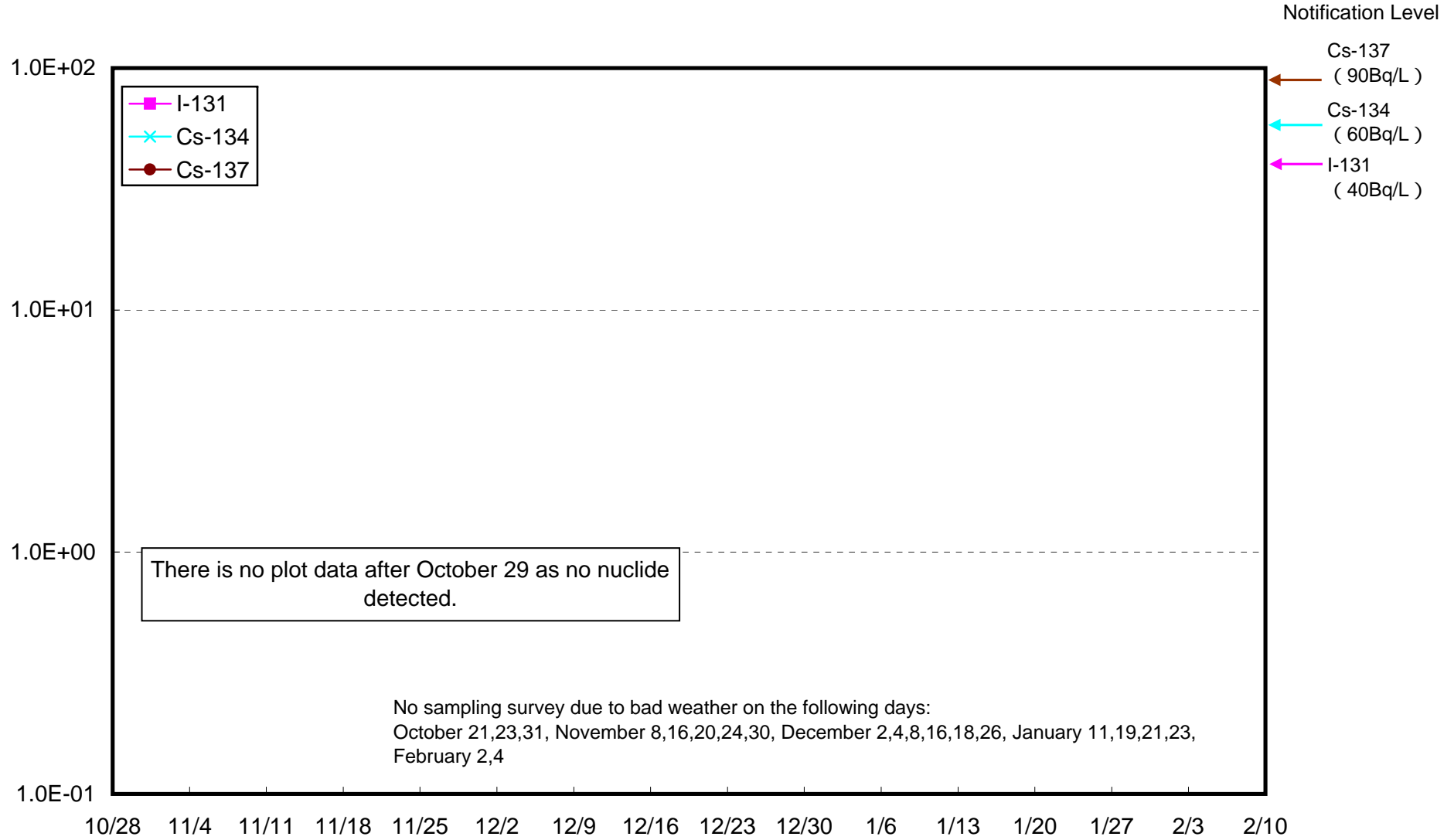
I-131 (40Bq/L)



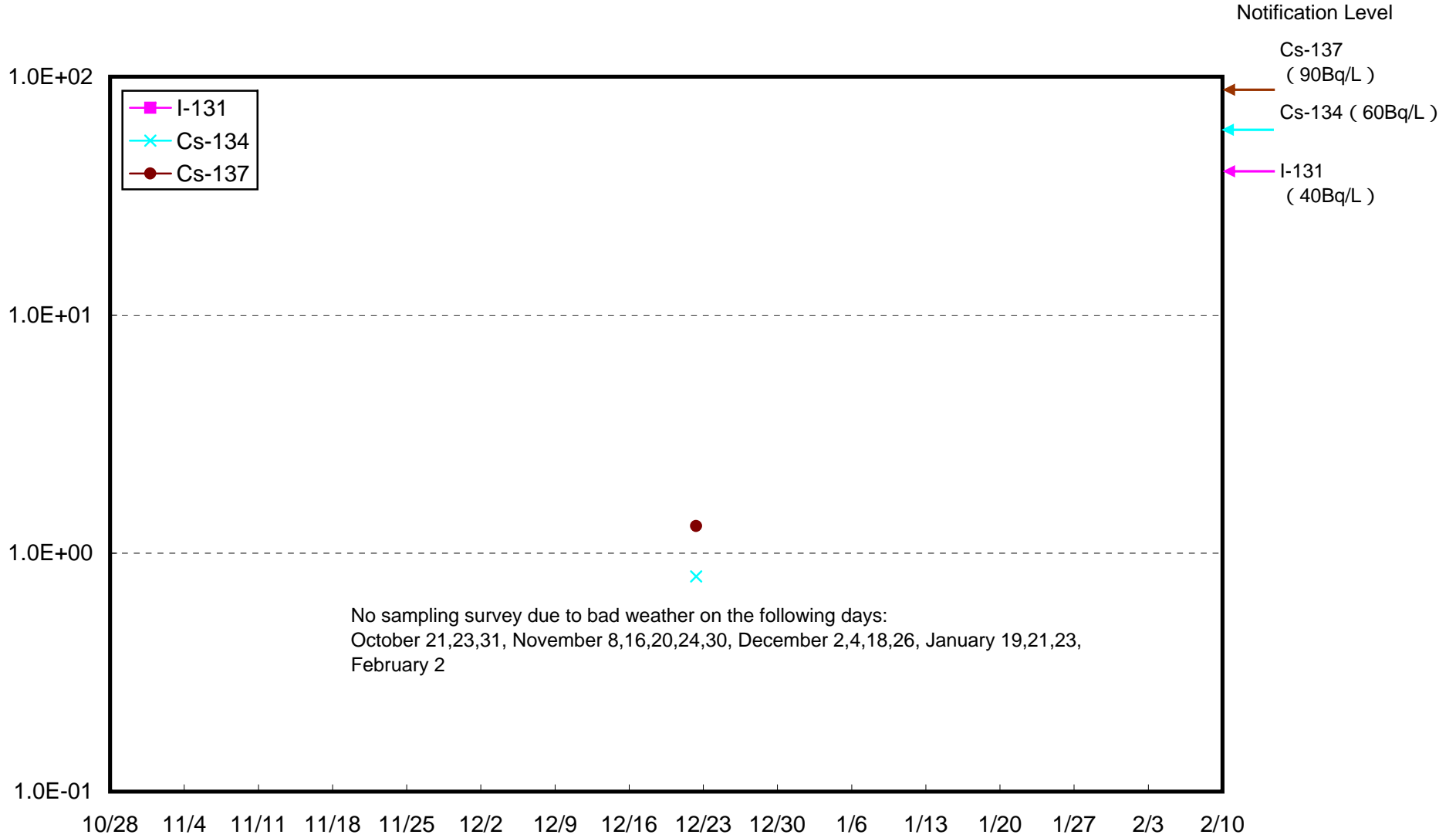
Radioactivity Density of Seawater 3km Offshore of Odaka Ward Upper Layer (Bq/L)



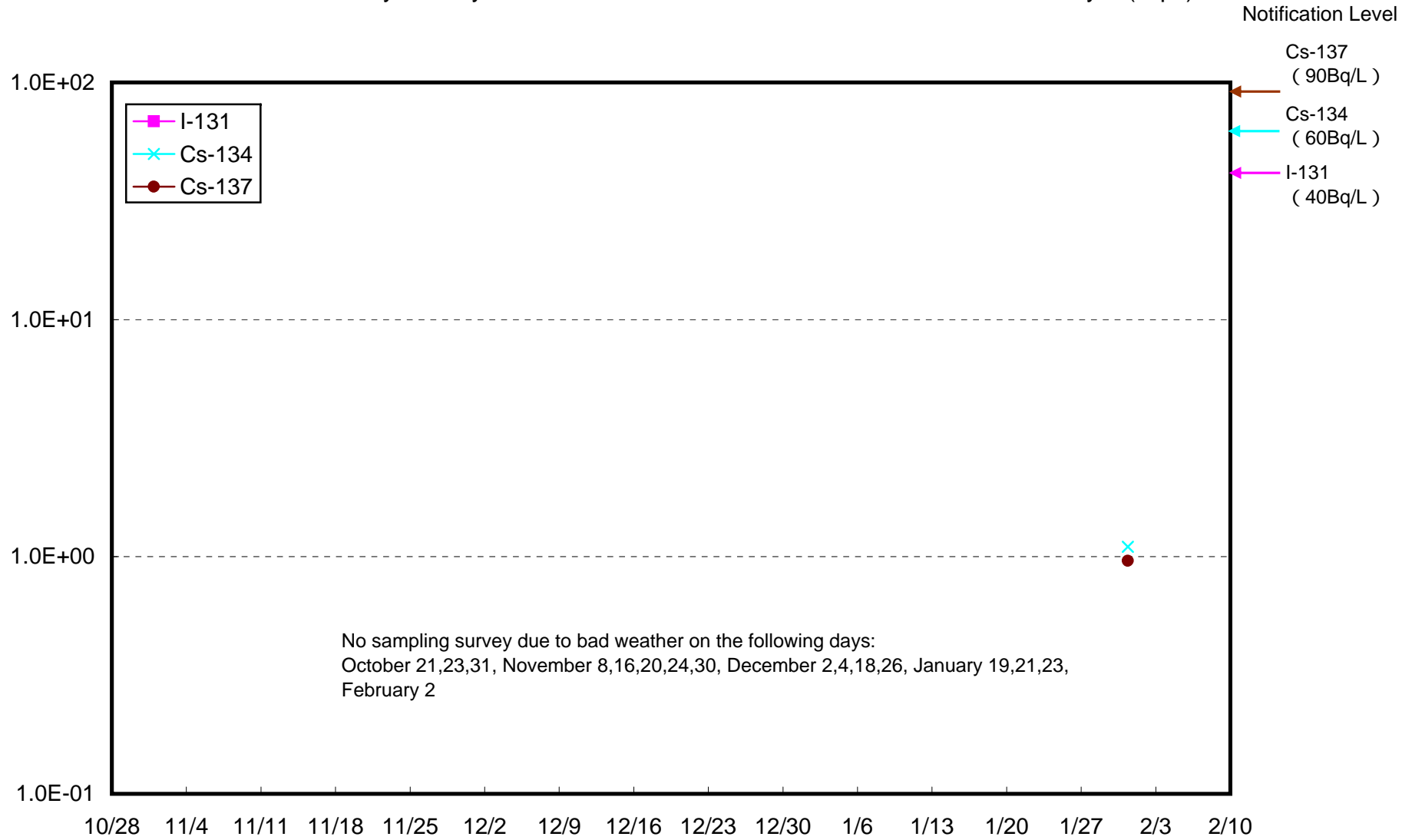
Radioactivity Density of Seawater 3km Offshore of Odaka Ward Lower Layer (Bq/L)



Radioactivity Density of Seawater 3km Offshore of Iwasawa Shore Upper Layer (Bq/L)

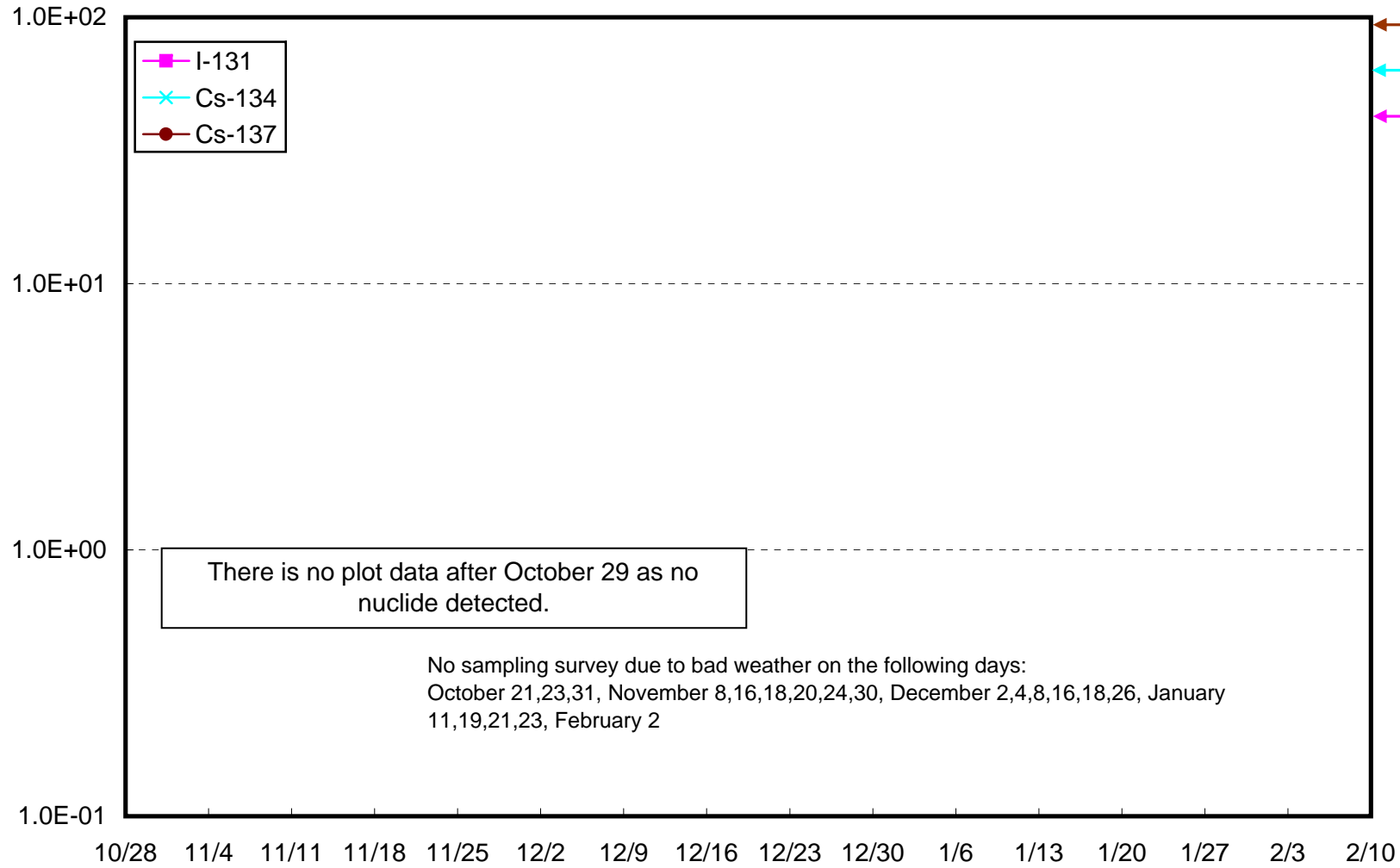


Radioactivity Density of Seawater 3km Offshore of Iwasawa Shore Lower Layer (Bq/L)

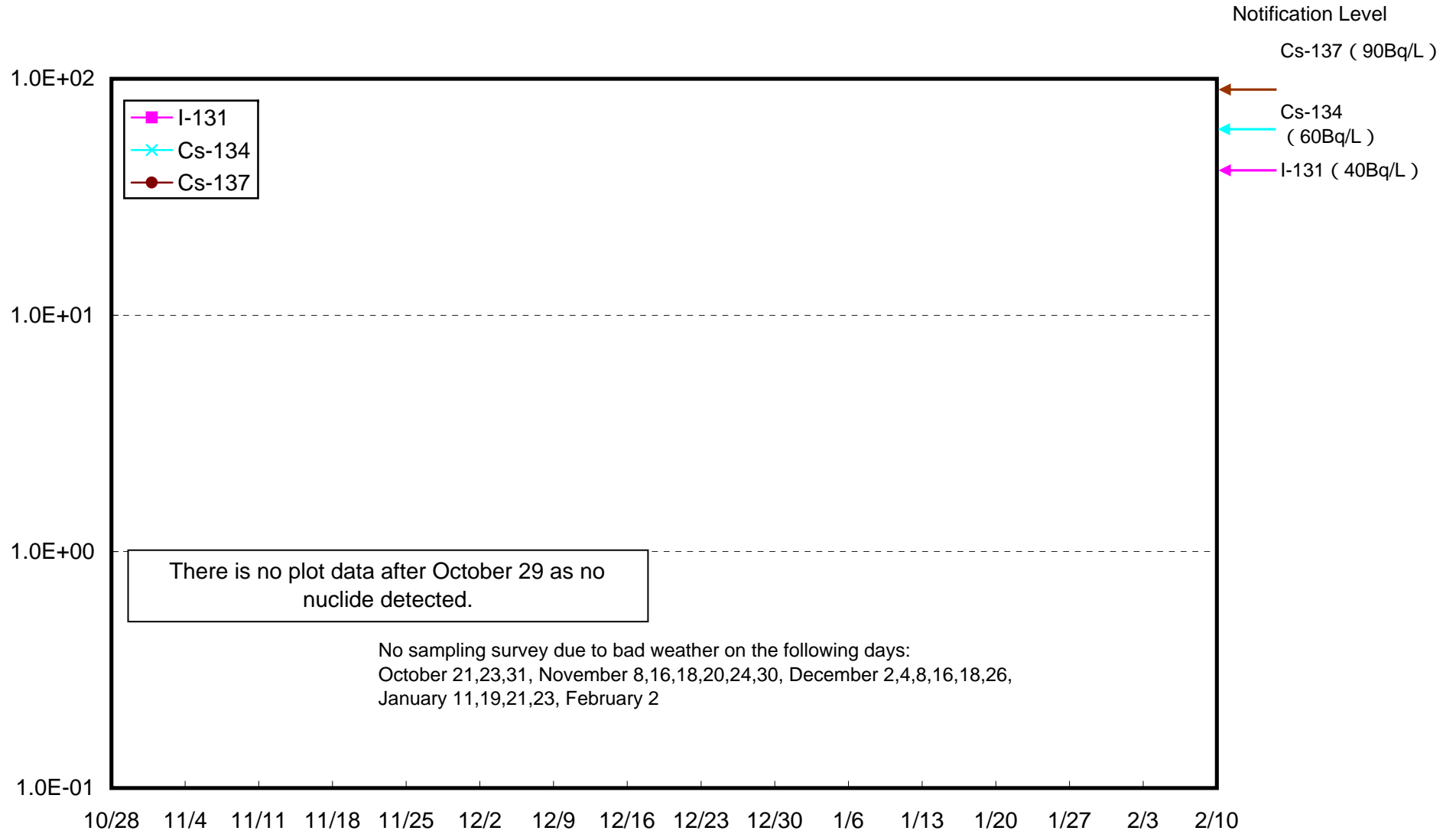


Radioactivity Density of Seawater 8km Offshore of Odaka Ward Upper Layer (Bq/L)

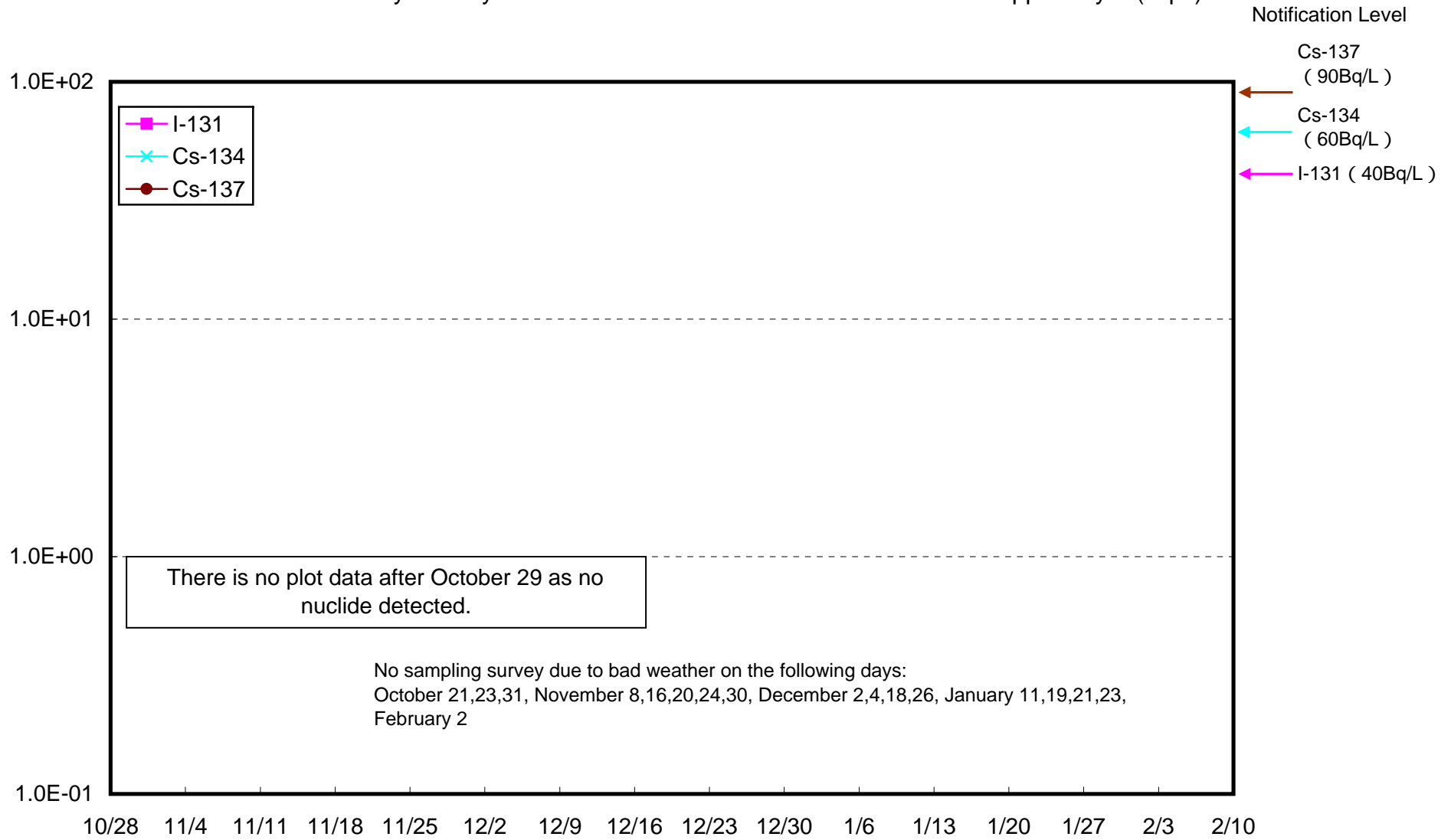
Notification Level
Cs-137 (90Bq/L)
Cs-134 (60Bq/L)
I-131 (40Bq/L)



Radioactivity Density of Seawater 8km Offshore of Odaka Ward Lower Layer (Bq/L)



Radioactivity Density of Seawater 8km Offshore of Iwasawa Shore Upper Layer (Bq/L)



Radioactivity Density of Seawater 8km Offshore of Iwasawa Shore Lower Layer (Bq/L)

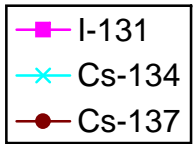
Notification Level

Cs-137
(90Bq/L)

Cs-134
(60Bq/L)

I-131 (40Bq/L)

1.0E+02



1.0E+01

1.0E+00

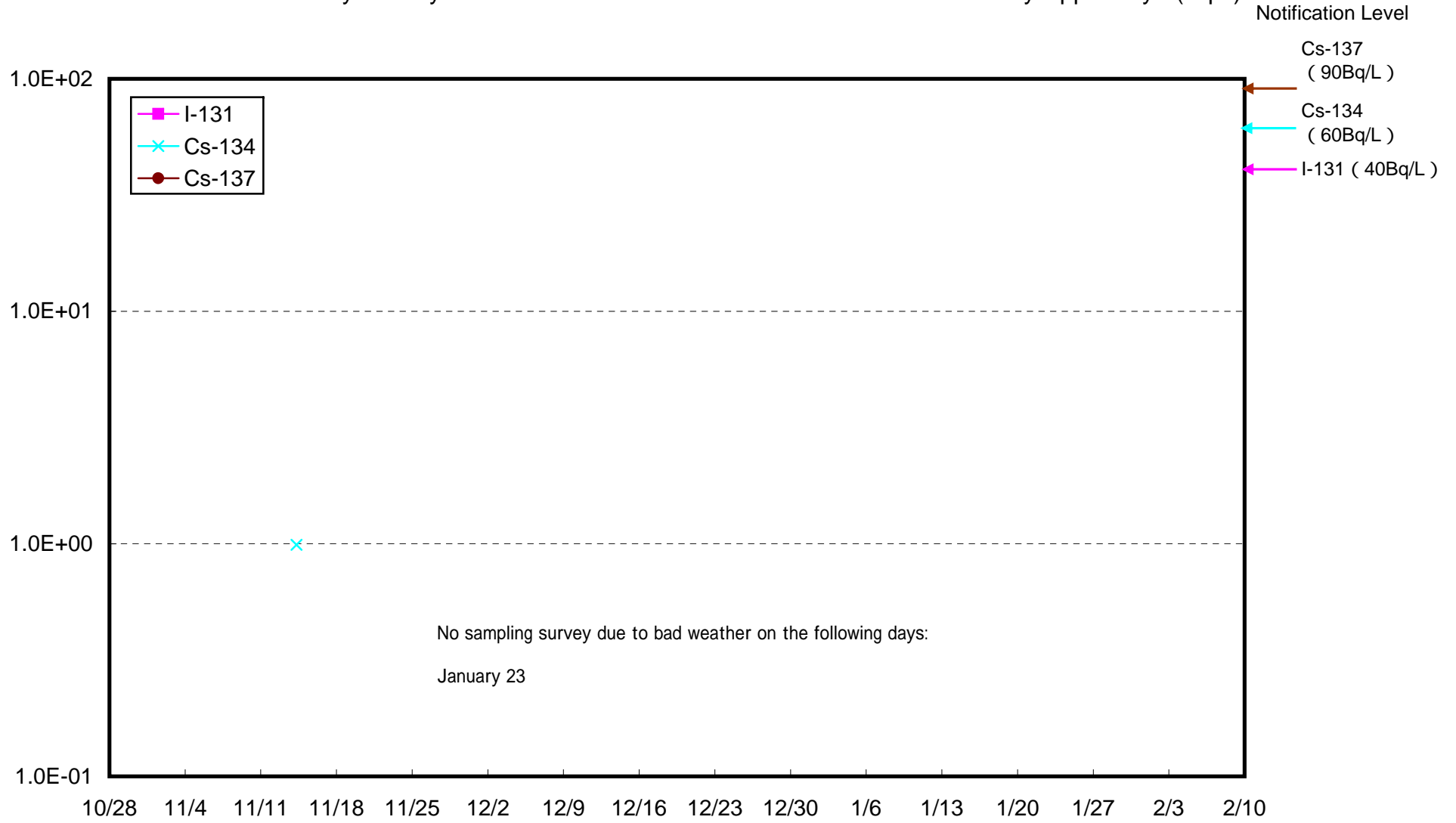
There is no plot data after October 29 as no nuclide detected.

No sampling survey due to bad weather on the following days:
October 21,23,31, November 8,16,20,24,30, December 2,4,18,26, January 11,19,21,23,
February 2

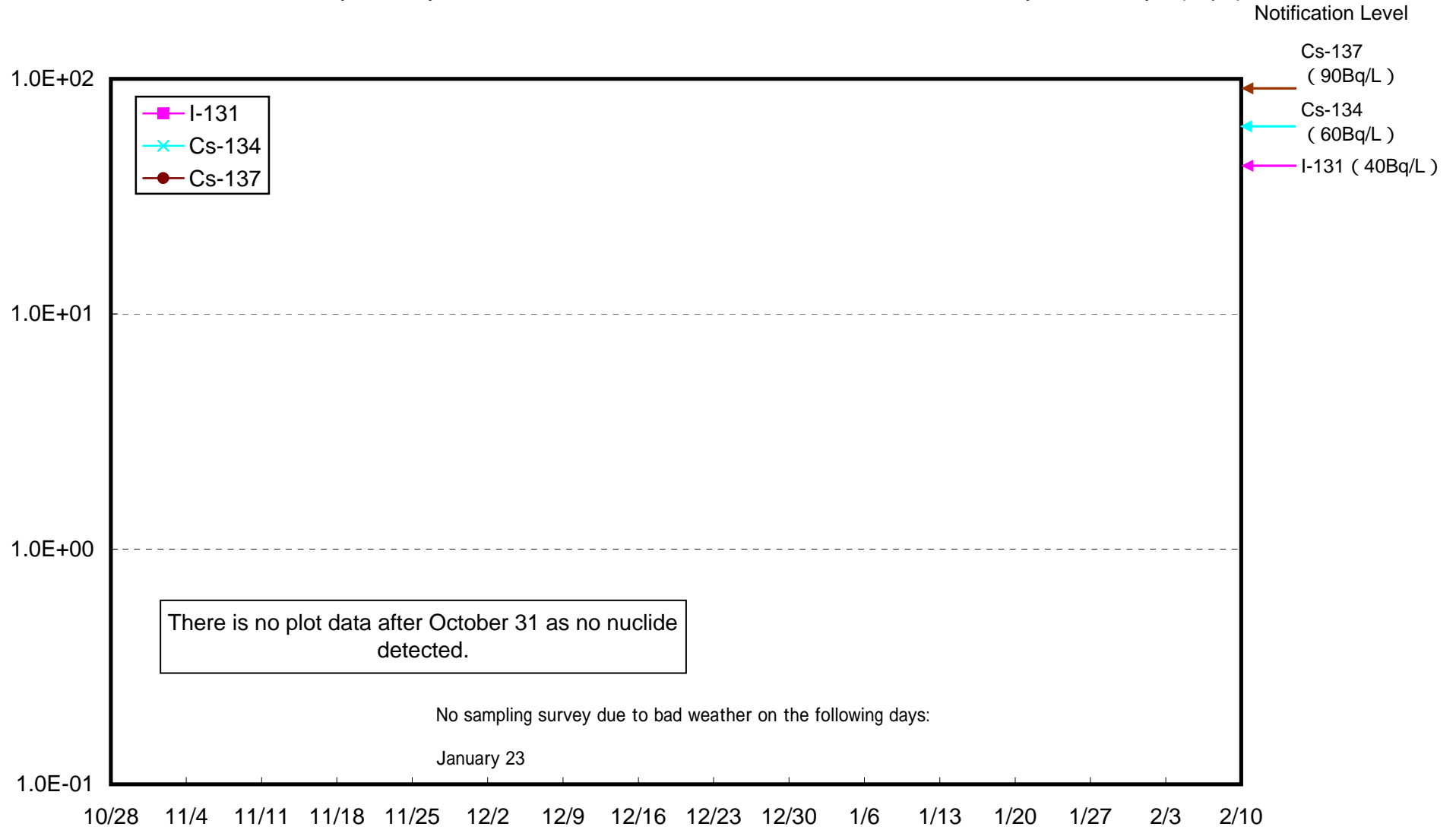
1.0E-01

10/28 11/4 11/11 11/18 11/25 12/2 12/9 12/16 12/23 12/30 1/6 1/13 1/20 1/27 2/3 2/10

Radioactivity Density of Seawater around 3km offshore of North of Iwaki City Upper Layer(Bq/L)



Radioactivity Density of Seawater around 3km offshore of North of Iwaki City Lower Layer(Bq/L)



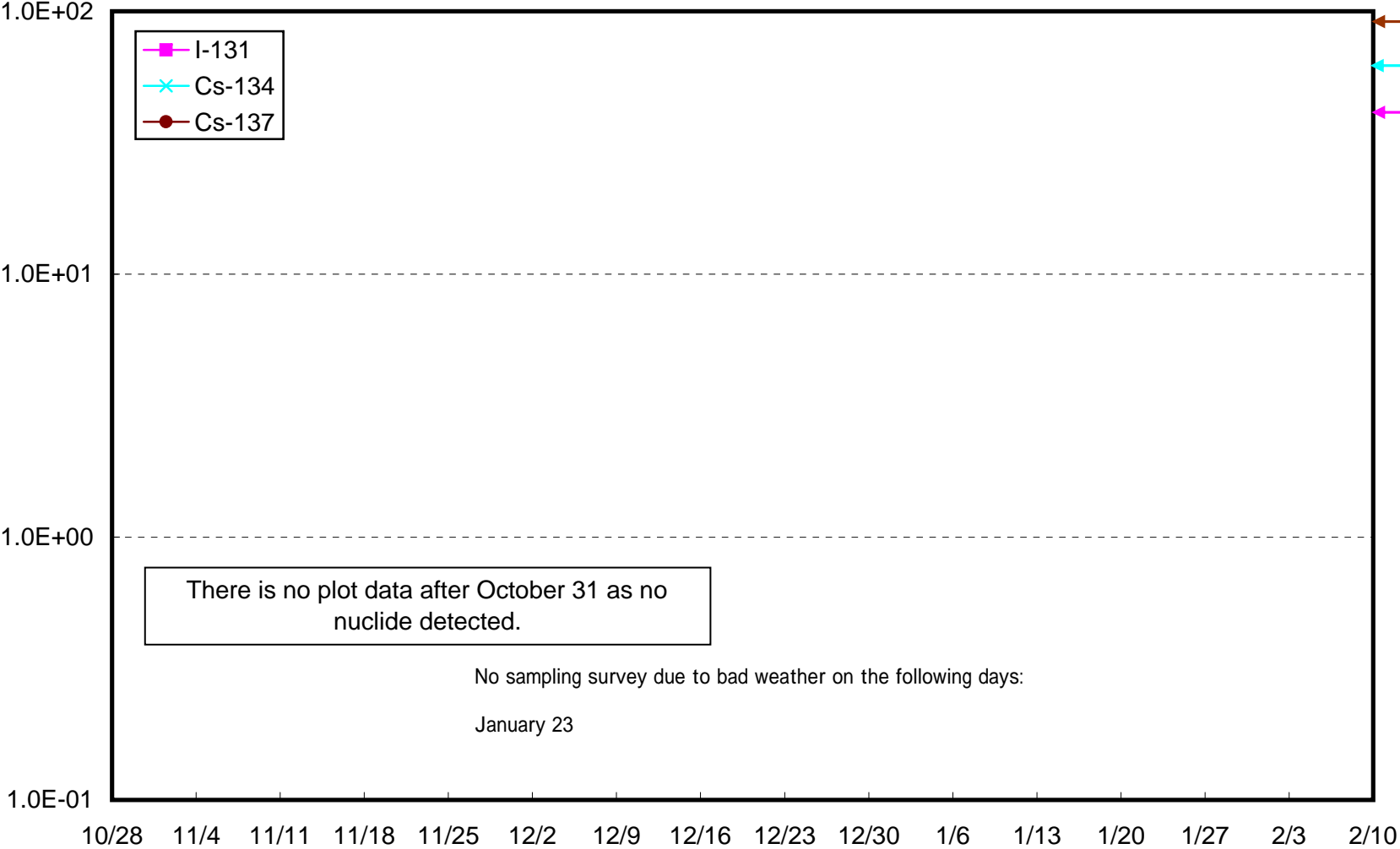
Radioactivity Density of Seawater around 3km offshore of Natsui River Upper Layer(Bq/L)

Notification Level

Cs-137
(90Bq/L)

Cs-134
(60Bq/L)

I-131 (40Bq/L)



There is no plot data after October 31 as no nuclide detected.

No sampling survey due to bad weather on the following days:

January 23

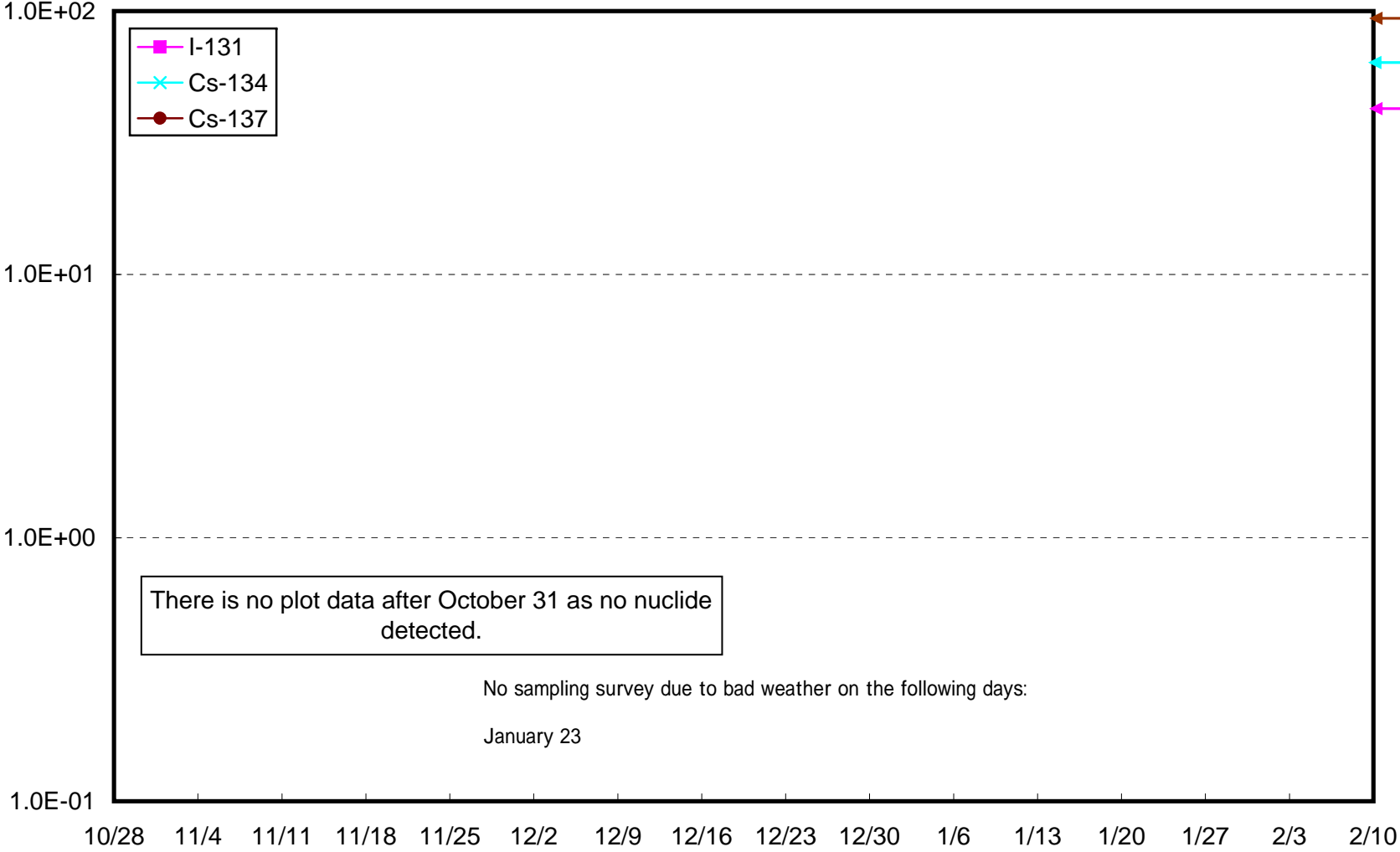
Radioactivity Density of Seawater around 3km offshore of Natsui River Lower Layer(Bq/L)

Notification Level

Cs-137
(90Bq/L)

Cs-134
(60Bq/L)

I-131 (40Bq/L)

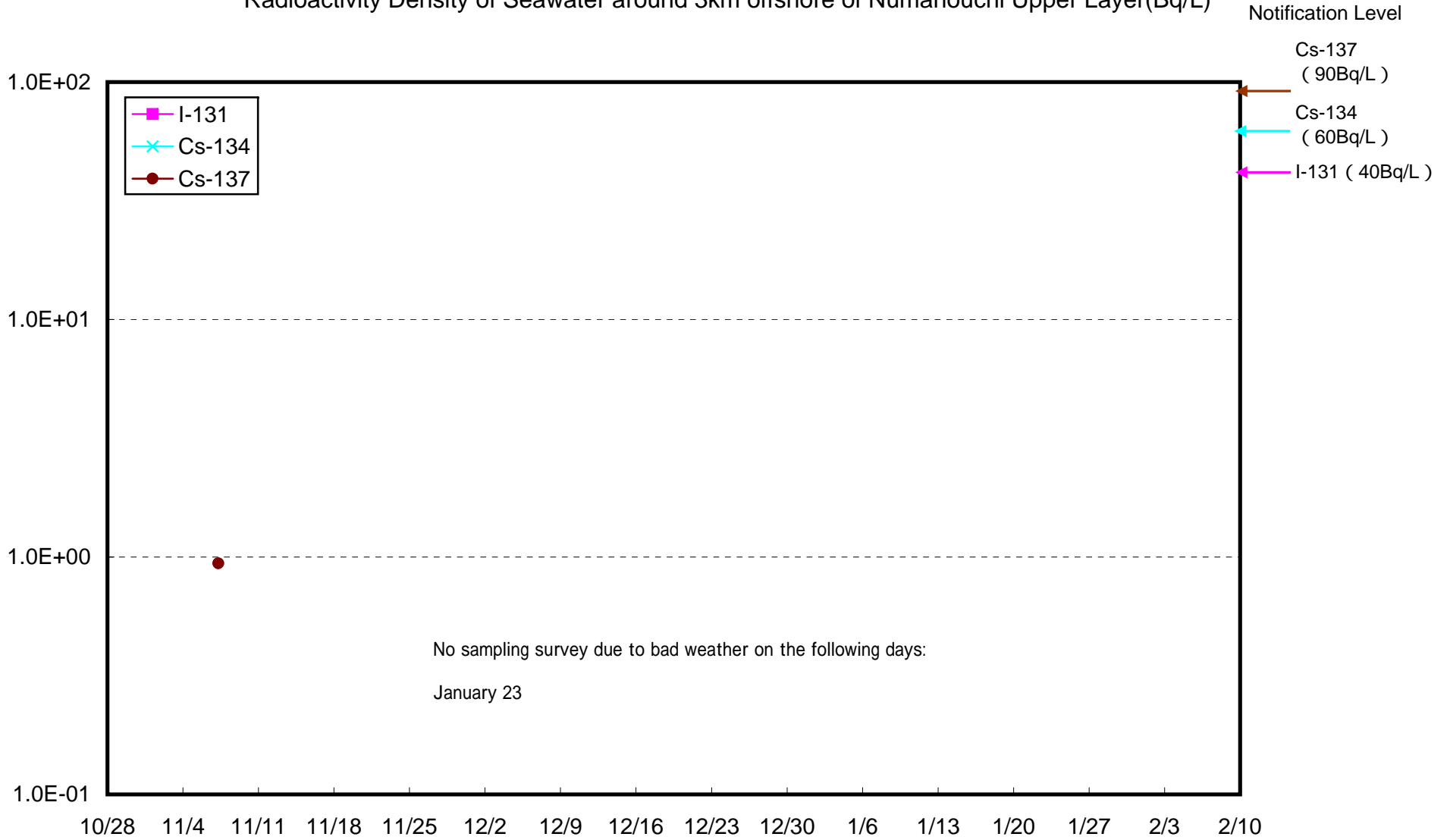


There is no plot data after October 31 as no nuclide detected.

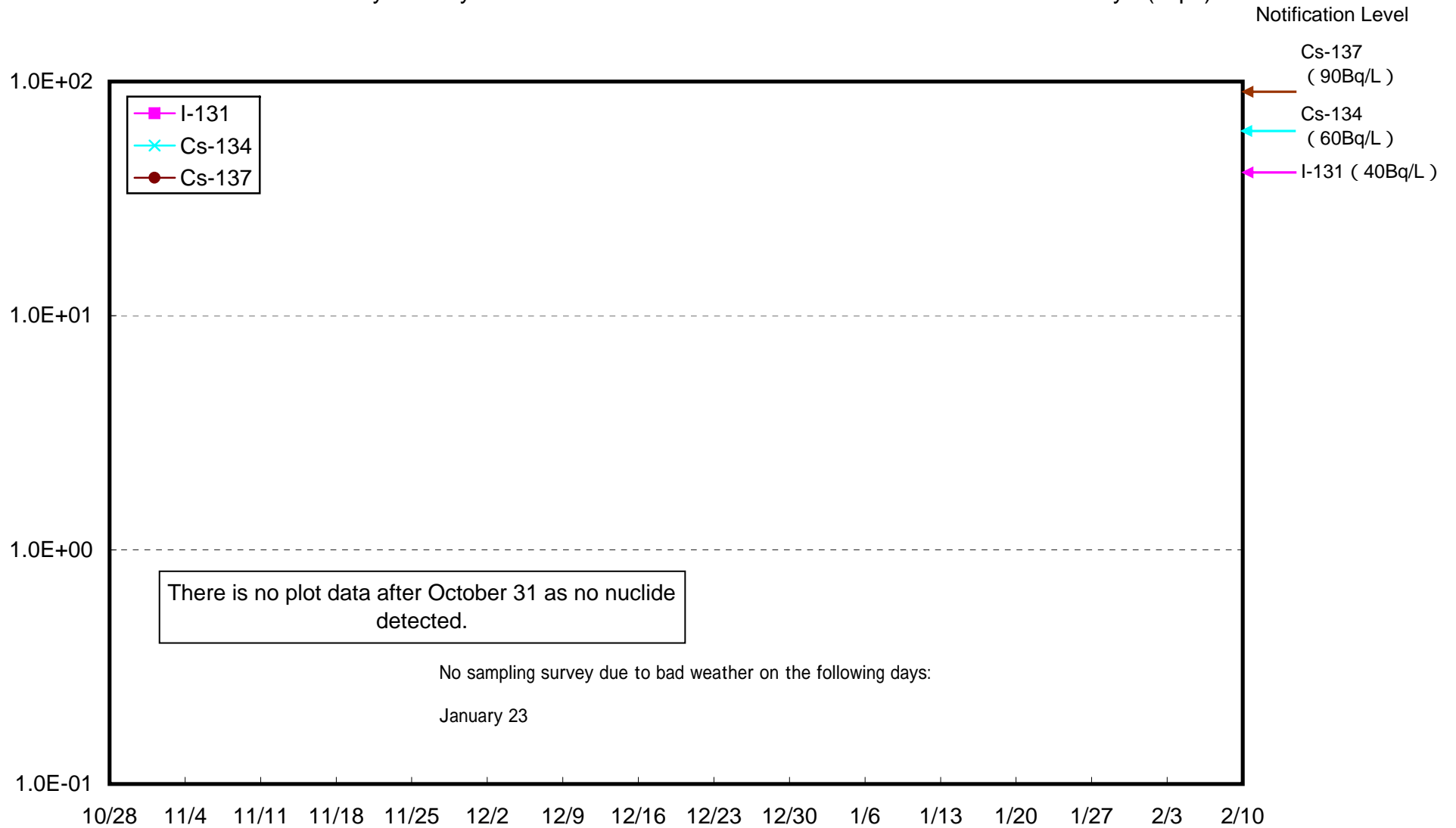
No sampling survey due to bad weather on the following days:

January 23

Radioactivity Density of Seawater around 3km offshore of Numanouchi Upper Layer(Bq/L)



Radioactivity Density of Seawater around 3km offshore of Numanouchi Lower Layer(Bq/L)



Radioactivity Density of Seawater around 3km offshore of Toyoma Upper Layer(Bq/L)

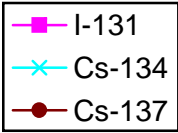
Notification Level

Cs-137
(90Bq/L)

Cs-134
(60Bq/L)

I-131 (40Bq/L)

1.0E+02



1.0E+01

1.0E+00

There is no plot data after October 31 as no nuclide detected.

No sampling survey due to bad weather on the following days:

January 23

1.0E-01

10/28 11/4 11/11 11/18 11/25 12/2 12/9 12/16 12/23 12/30 1/6 1/13 1/20 1/27 2/3 2/10

Radioactivity Density of Seawater around 3km offshore of Toyoma Lower Layer(Bq/L)

