

## Nuclide Analysis Results of Radioactive Materials in Seawater <Coast>

Reference

(Data summarized on January 9)

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	Jan 08, 2012 08:25 am	Jan 08, 2012 08:10 am	Jan 08, 2012 08:05 am	Jan 08, 2012 07:45 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 ( / )	
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	3.5	0.06	1.4	0.02	1.2	0.02	ND	-	60
Cs-137 (about 30 years)	3.6	0.04	2.2	0.02	1.6	0.02	1.7	0.02	90

\* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> 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. 0.74Bq/L, Cs-134: approx. 0.87Bq/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>

Reference

(Data summarized on January 9)

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	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)	Jan 07, 2012 11:15 am	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	Jan 07, 2012 11:15 am	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	Jan 07, 2012 09:20 am	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	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)	Jan 07, 2012 12:35 pm	ND	-	ND	-	ND	-	ND	-					40
Cs-134 (about 2 years)	Jan 07, 2012 12:35 pm	ND	-	ND	-	ND	-	ND	-					60
Cs-137 (about 30 years)	Jan 07, 2012 07:40 am	ND	-	ND	-	ND	-	ND	-					90

\* Density by the announcement of Reactor Regulation is stated with an amount converted from Bq/cm<sup>3</sup> to Bq/L.

\* Data of other nuclides are under evaluation.

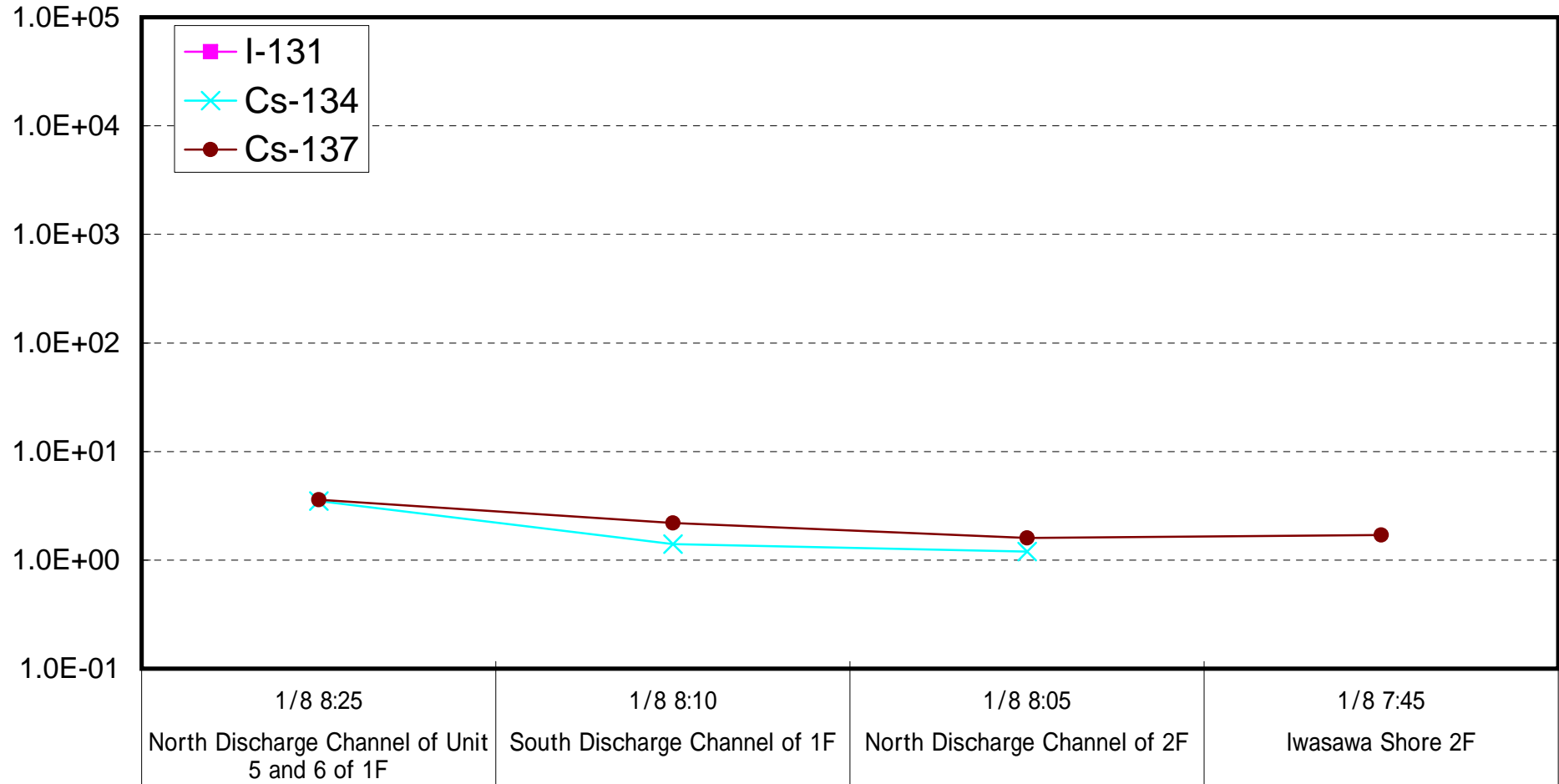
\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

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

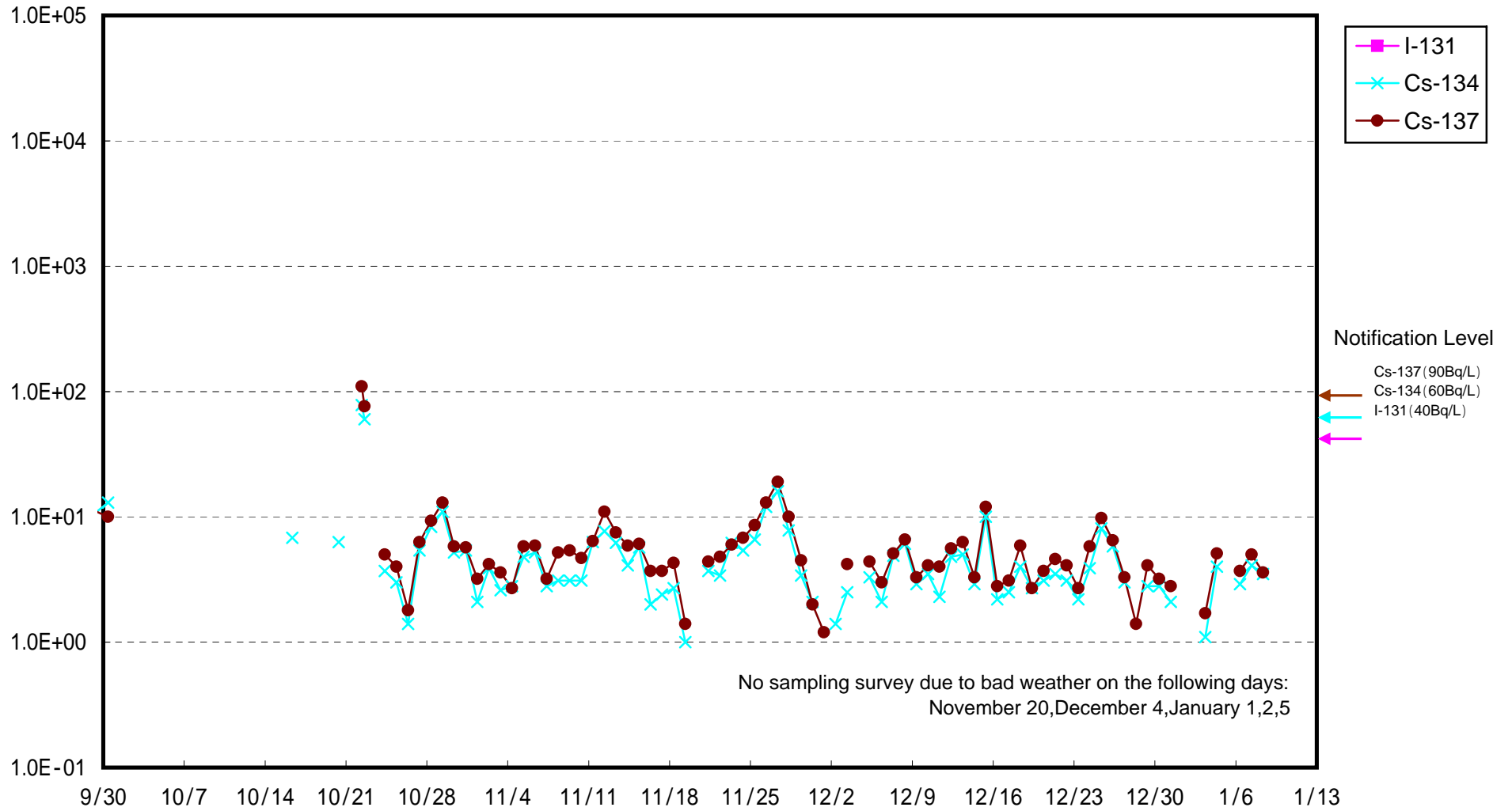
I-131: approx. 0.73Bq/L, Cs-134: approx. 0.89Bq/L, Cs-137: approx. 1.1Bq/L

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

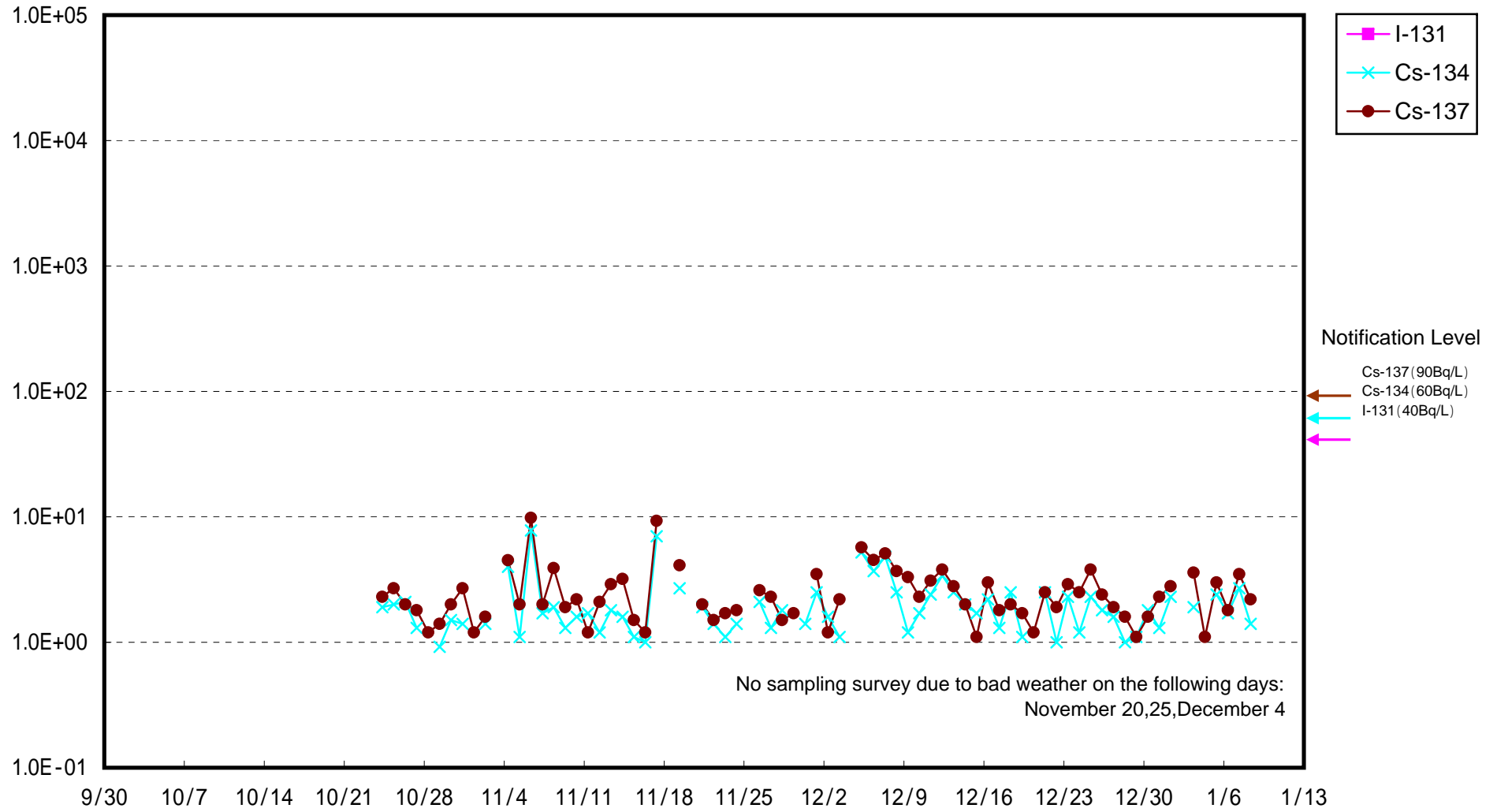
# Radioactivity Density of Seawater (Bq/L)



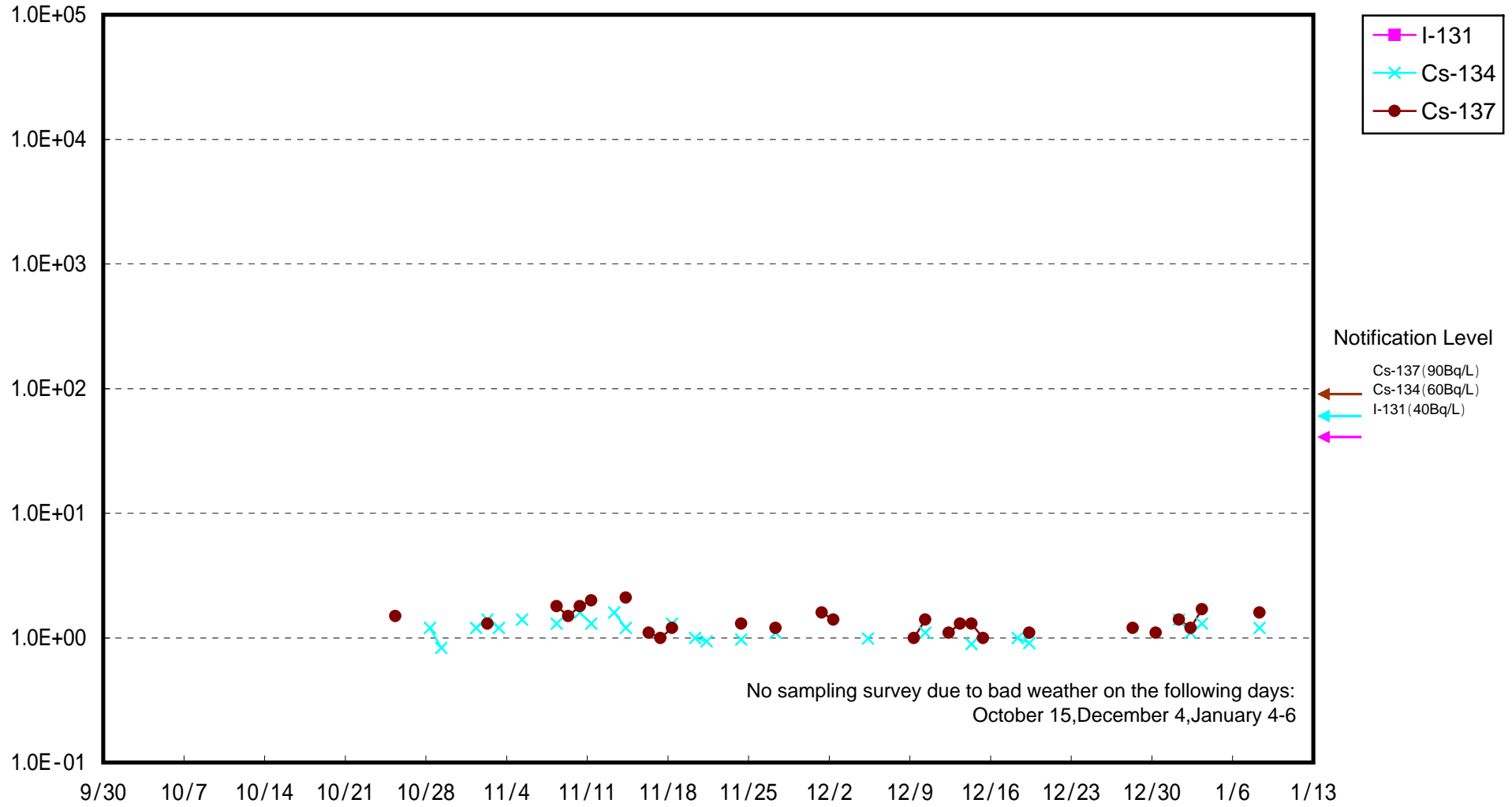
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



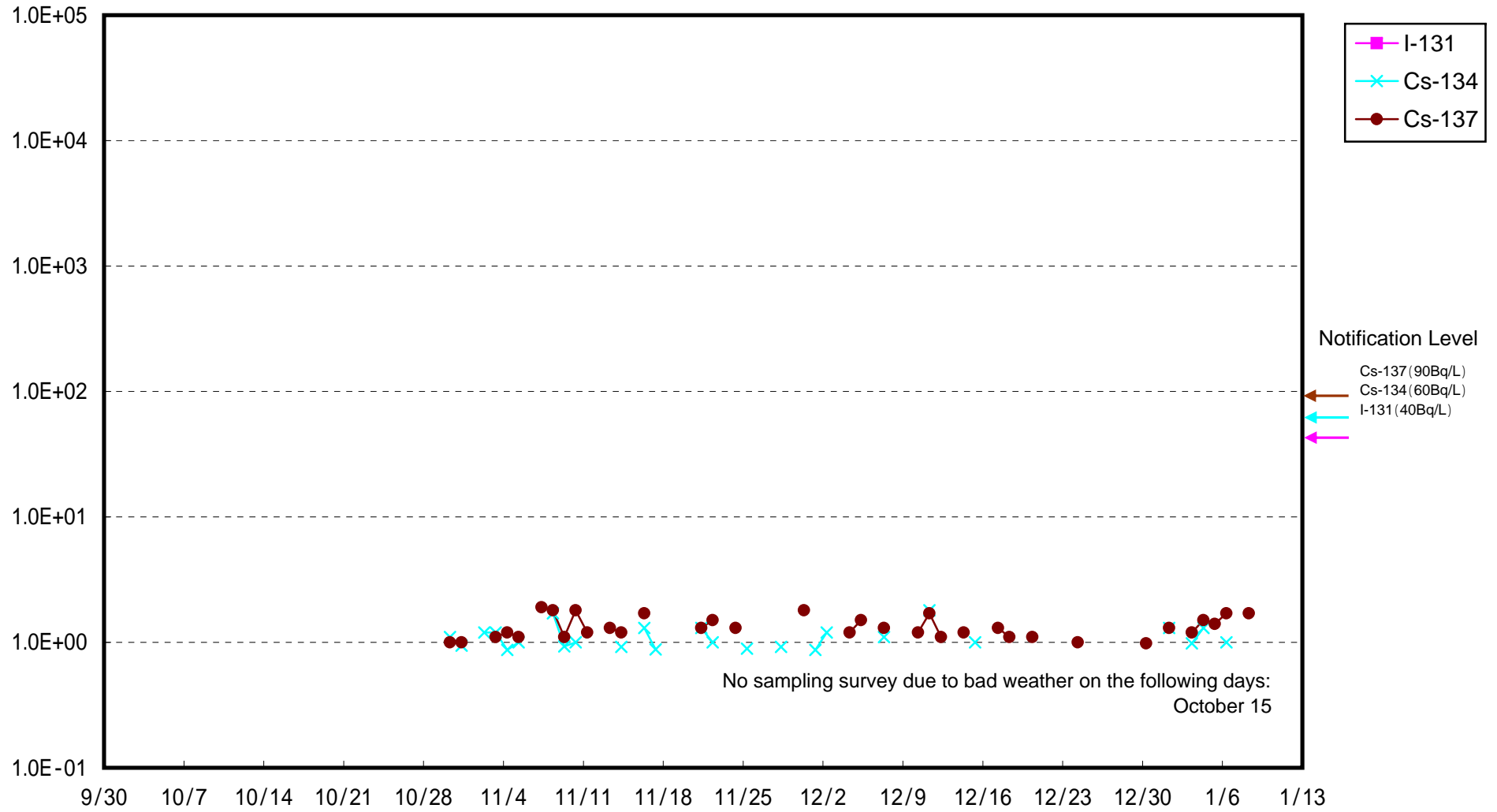
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



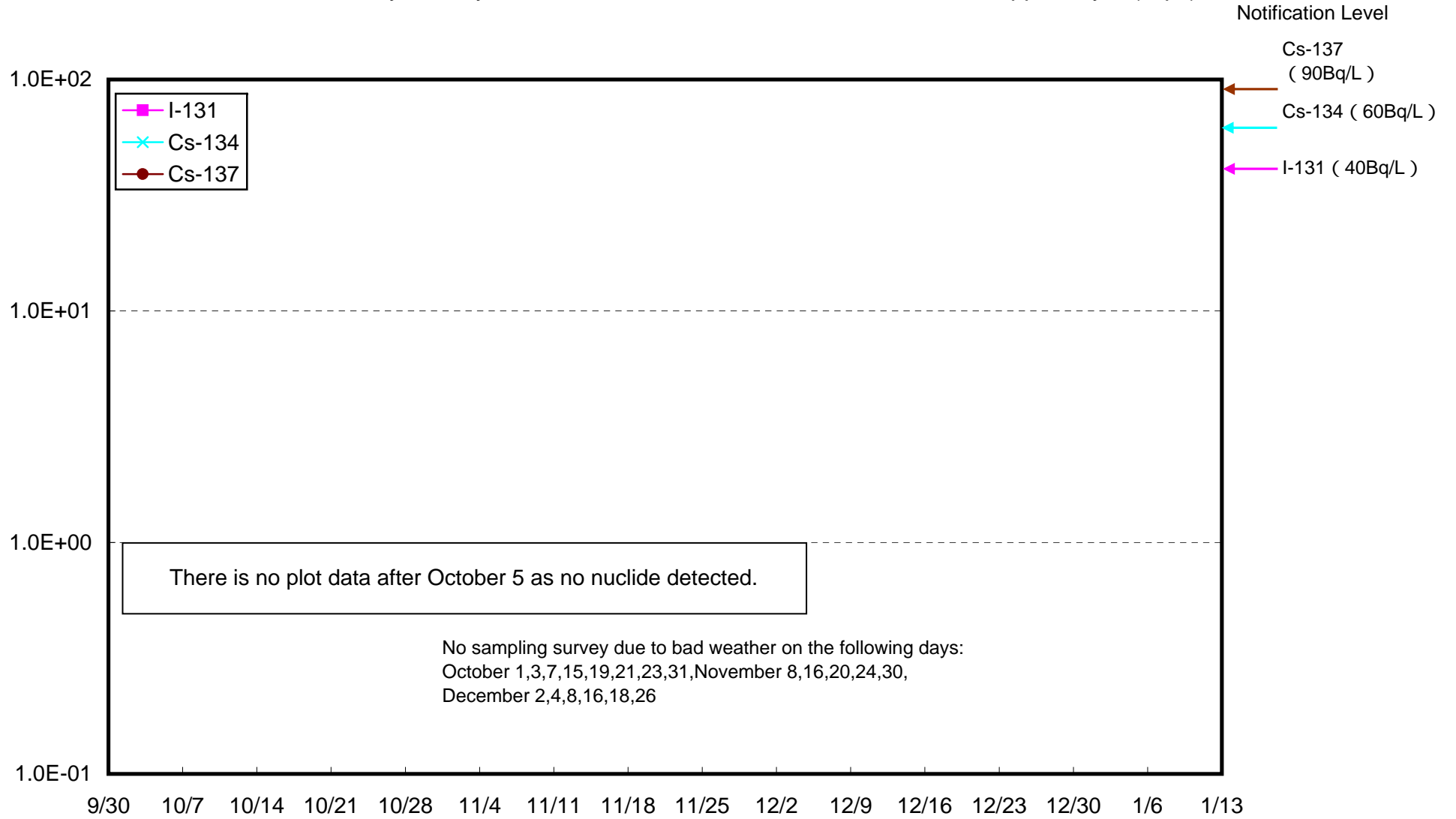
Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)



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



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





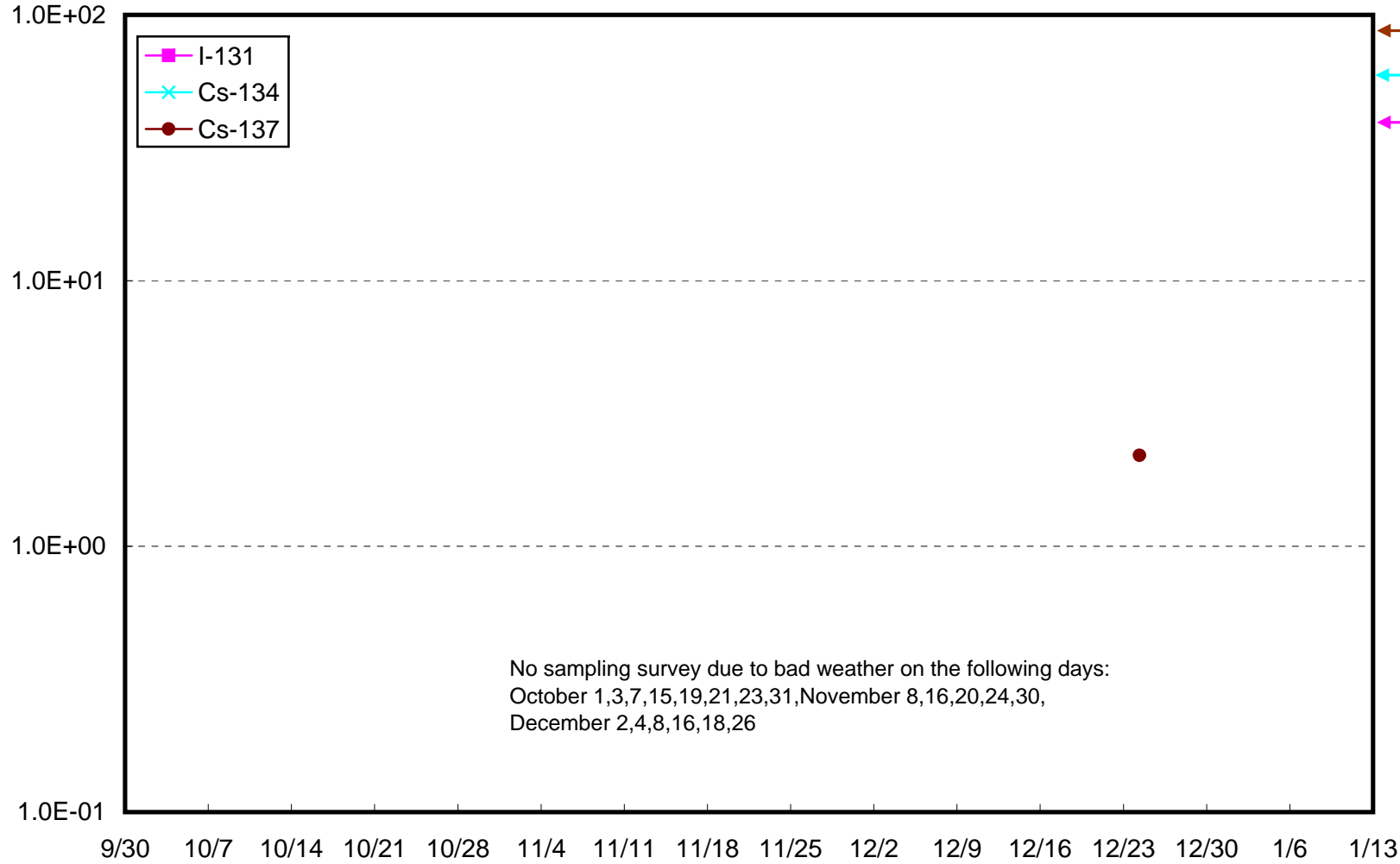
# Radioactivity Density of Seawater 3km Offshore of Haramachi Ward Lower Layer (Bq/L)

Notification Level

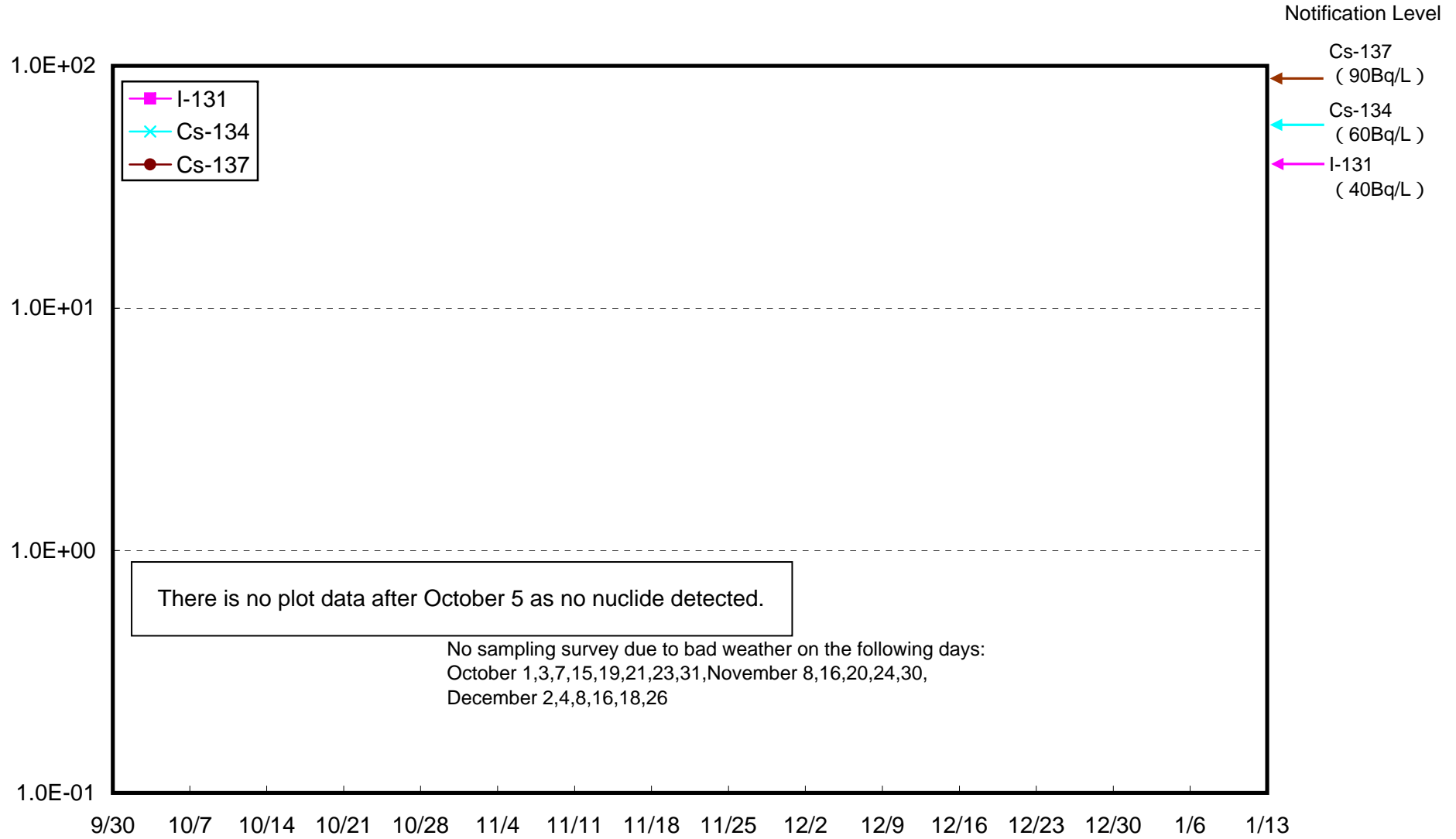
Cs-137  
( 90Bq/L )

Cs-134 ( 60Bq/L )

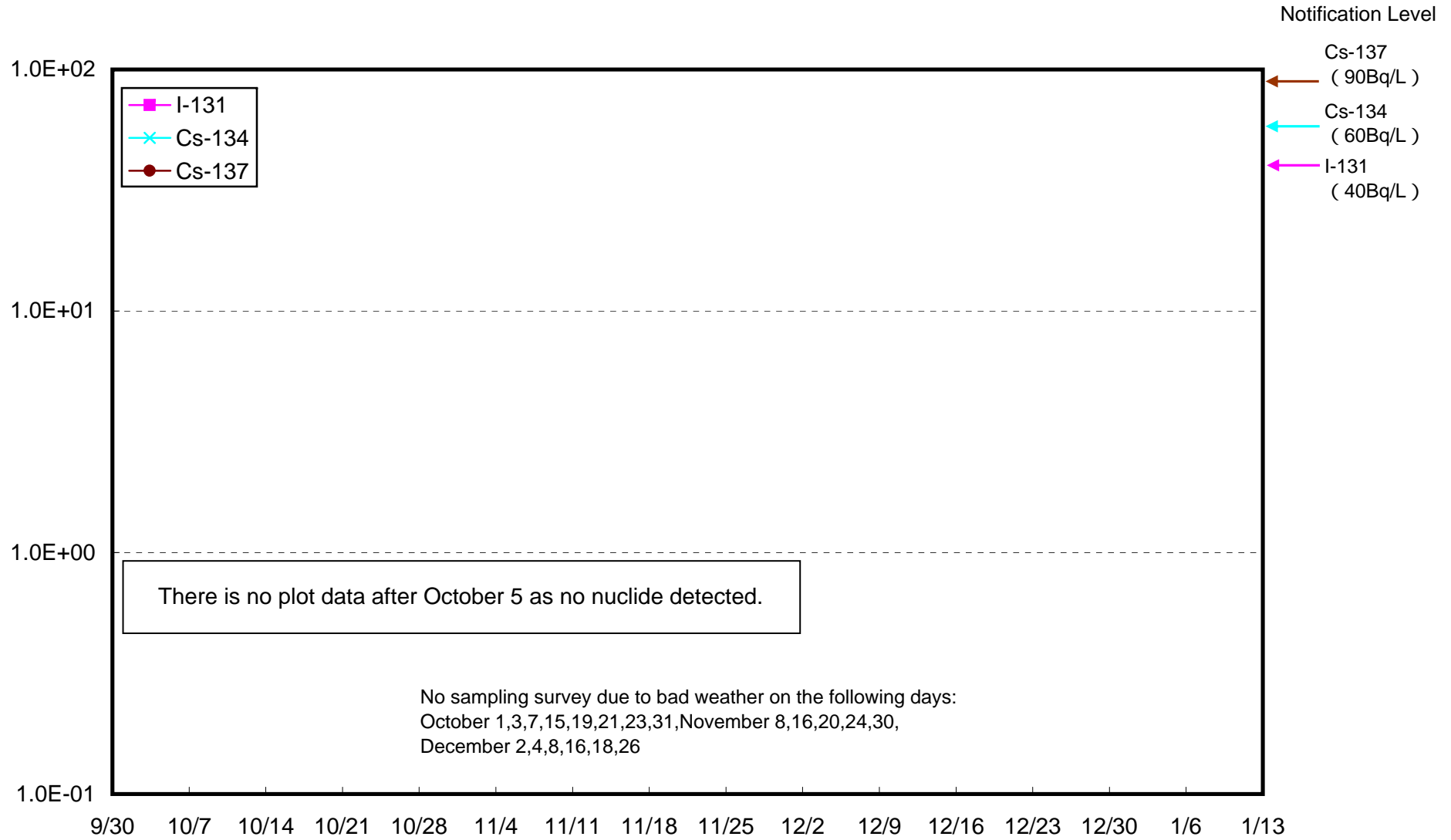
I-131 ( 40Bq/L )



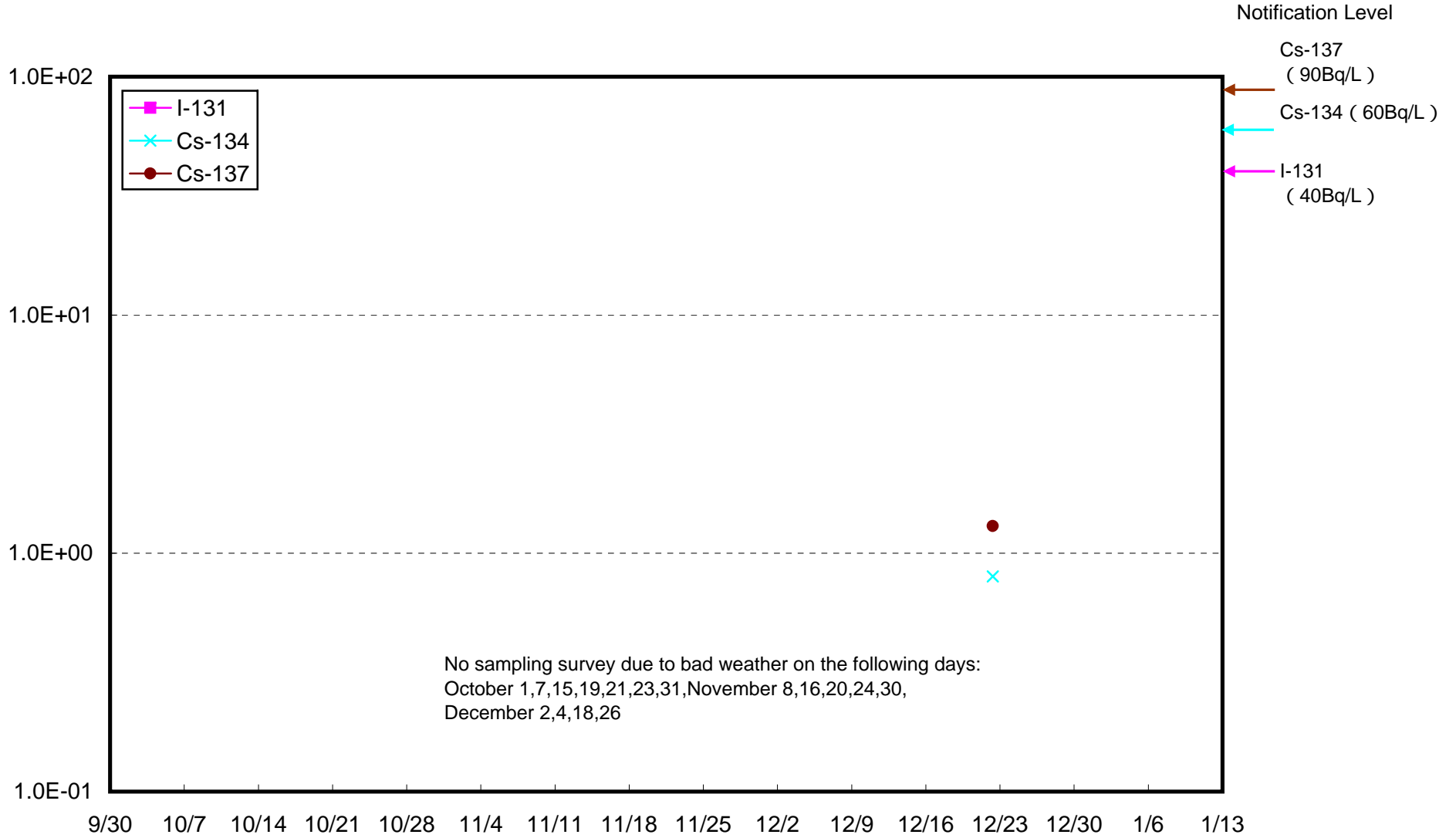
# Radioactivity Density of Seawater 3km Offshore of Odaka Ward Upper Layer (Bq/L)



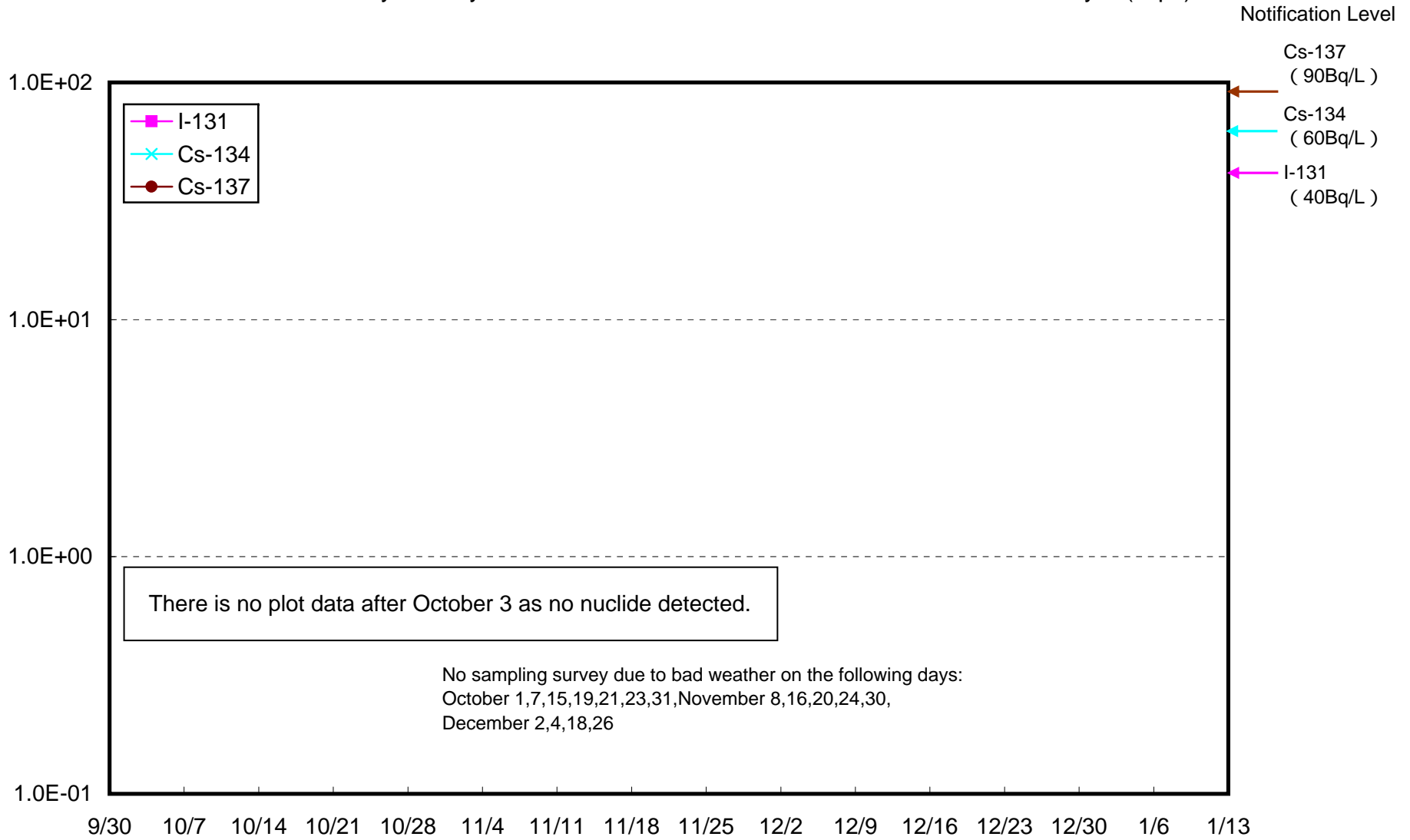
# Radioactivity Density of Seawater 3km Offshore of Odaka Ward Lower Layer (Bq/L)



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

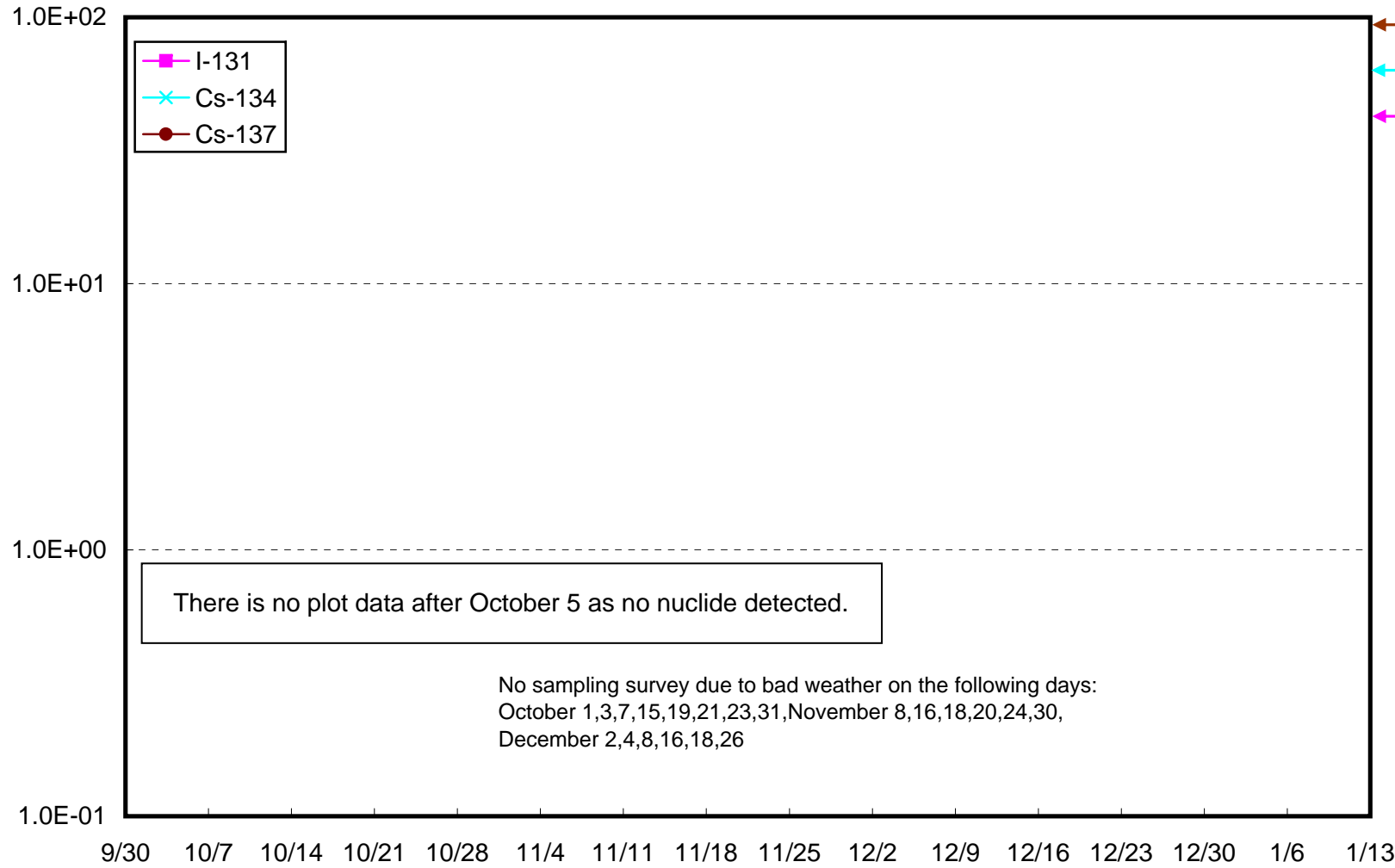


Radioactivity Density of Seawater 3km Offshore of Iwasawa Shore Lower Layer (Bq/L)

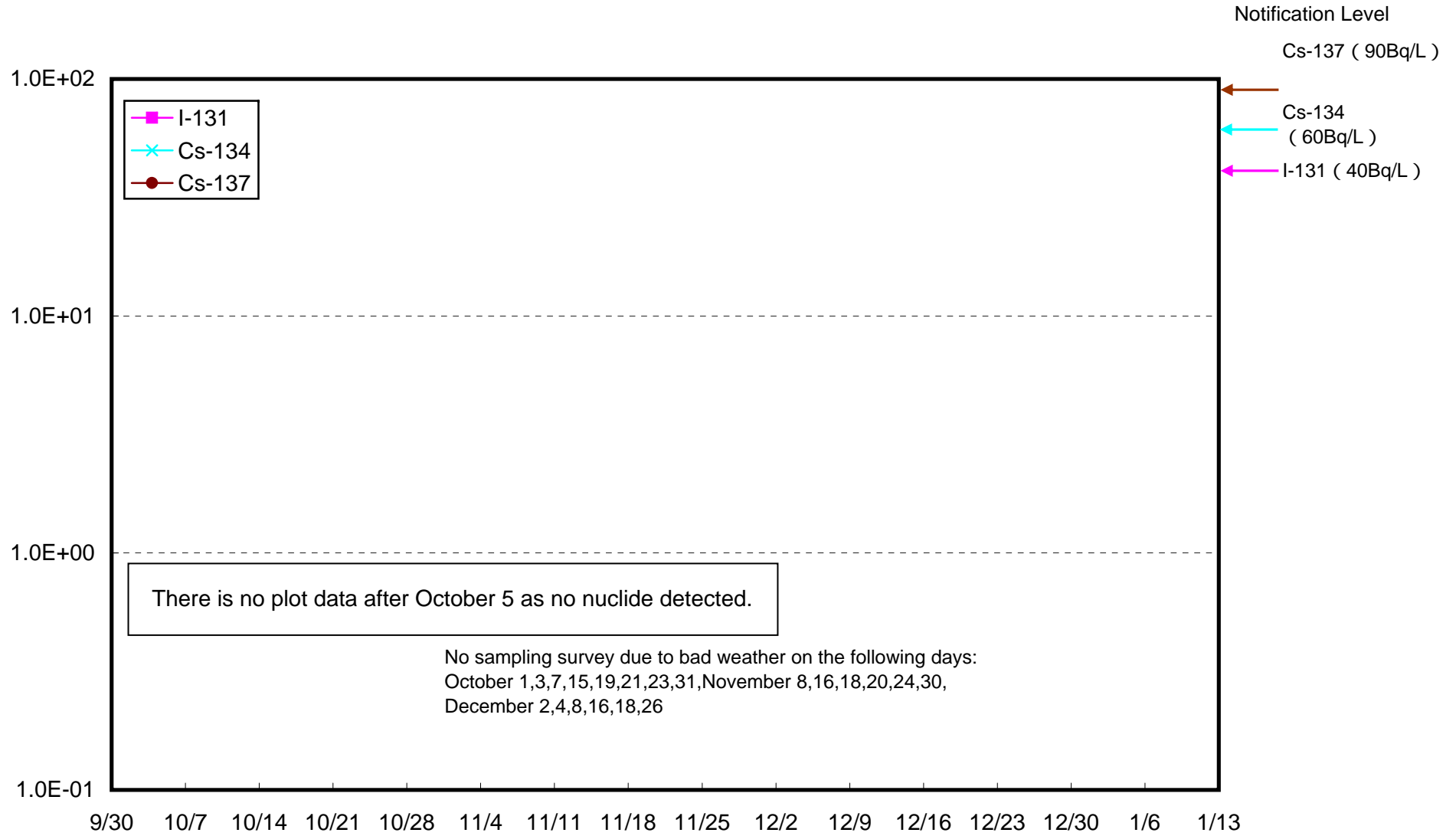


# Radioactivity Density of Seawater 8km Offshore of Odaka Ward Upper Layer (Bq/L)

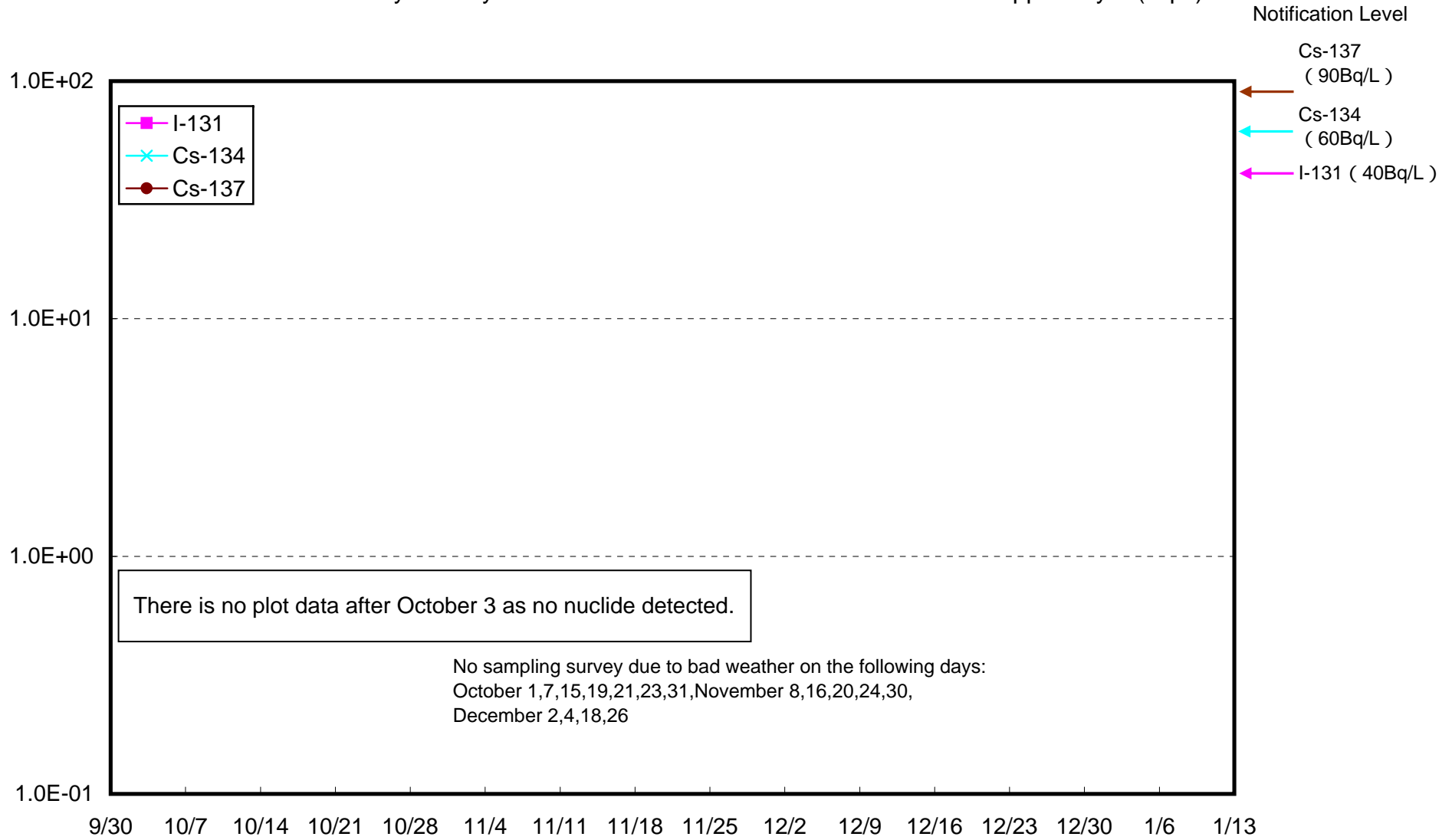
Notification Level  
Cs-137 ( 90Bq/L )  
Cs-134 ( 60Bq/L )  
I-131 ( 40Bq/L )



# 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

