

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

Reference
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(Data summarized on January 11)

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)				
Time of Sampling	January 10, 2012 8:45	January 10, 2012 8:25	January 10, 2012 8:20	January 10, 2012 8:00	(the density limit in the water outside of surrounding monitored areas in the section 6 of the appendix 2)								
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	-
Cs-134 (about 2 years)	2.7	0.05	0.89	0.01	1.4	0.02	ND	-	60				
Cs-137 (about 30 years)	4.3	0.05	1.4	0.02	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. 0.70Bq/L, Cs-134: approx. 0.84Bq/L, Cs-137: approx. 1.0Bq/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 11)

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 09, 2012 09:35 am	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	Jan 09, 2012 09:35 am	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	Jan 09, 2012 09:50 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 09, 2012 09:10 am	ND	-	ND	-	ND	-	ND	-	/	/	/	/	40
Cs-134 (about 2 years)	Jan 09, 2012 09:10 am	ND	-	ND	-	ND	-	ND	-	/	/	/	/	60
Cs-137 (about 30 years)	Jan 09, 2012 08:10 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.

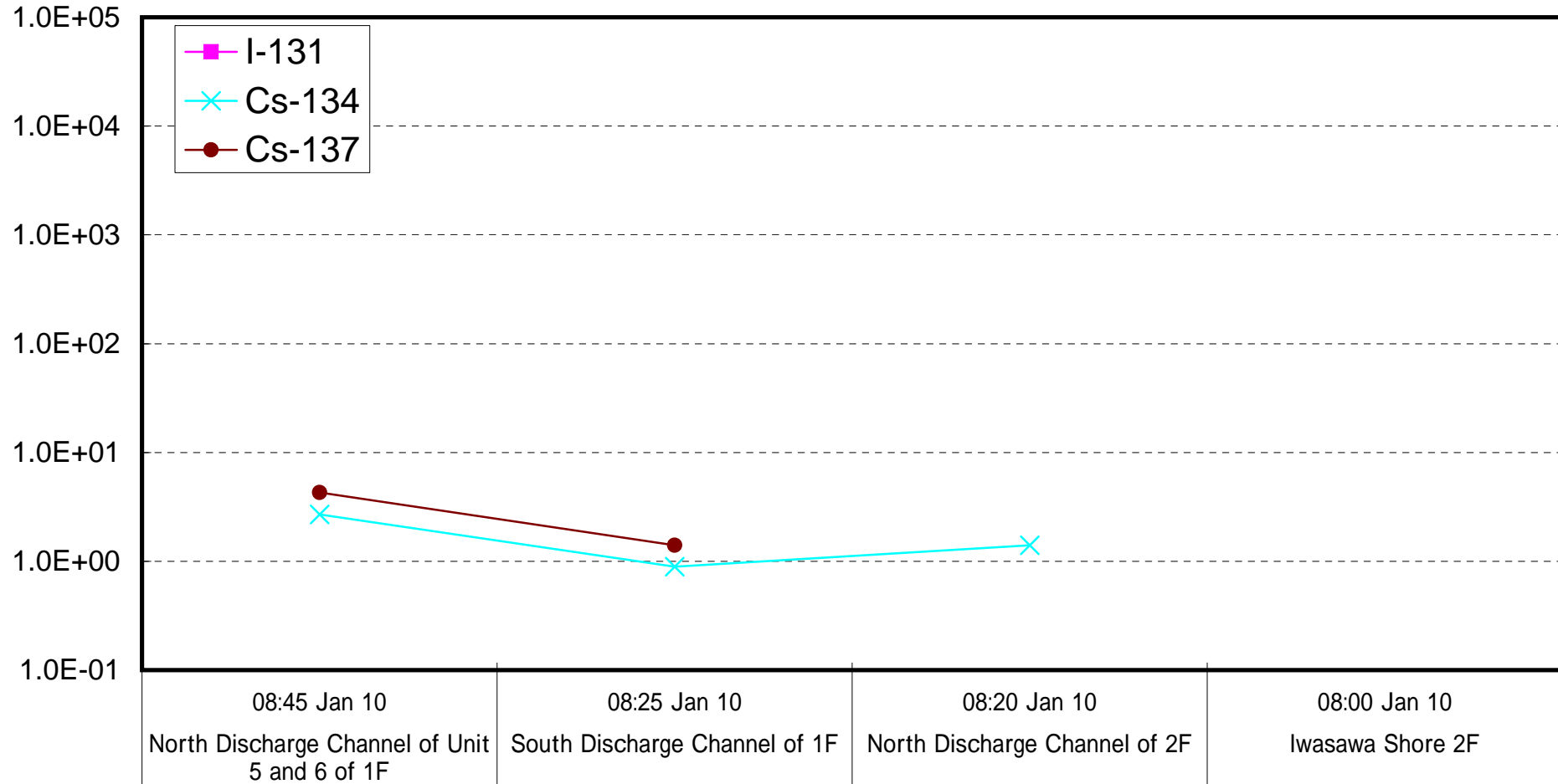
\* In the case that two or more kinds of nuclides exist, sum of each scaling factor to the density limit is compared with 1.

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

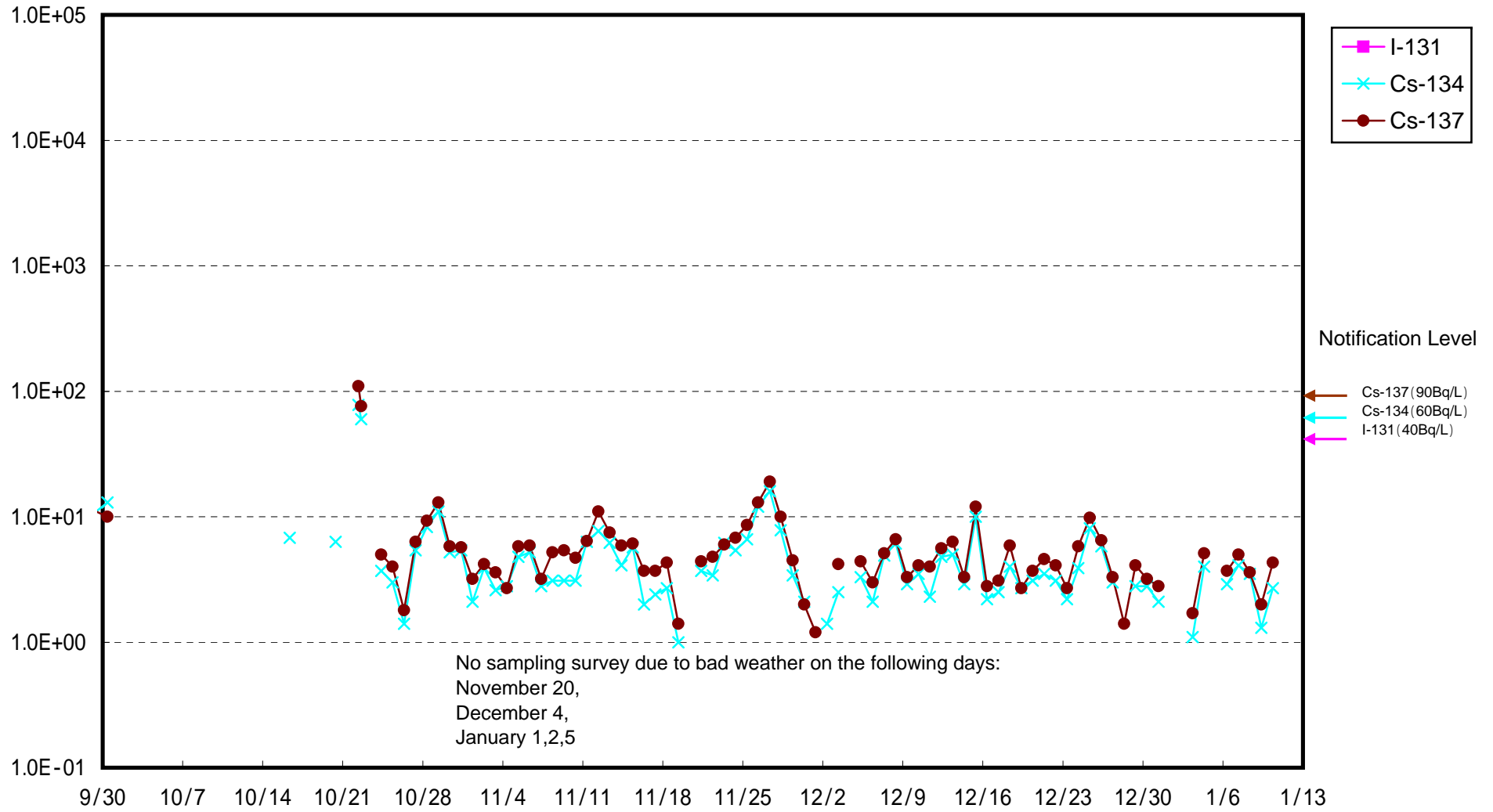
I-131: approx. 0.68Bq/L, Cs-134: approx. 0.91Bq/L, Cs-137: approx. 1.1Bq/L

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

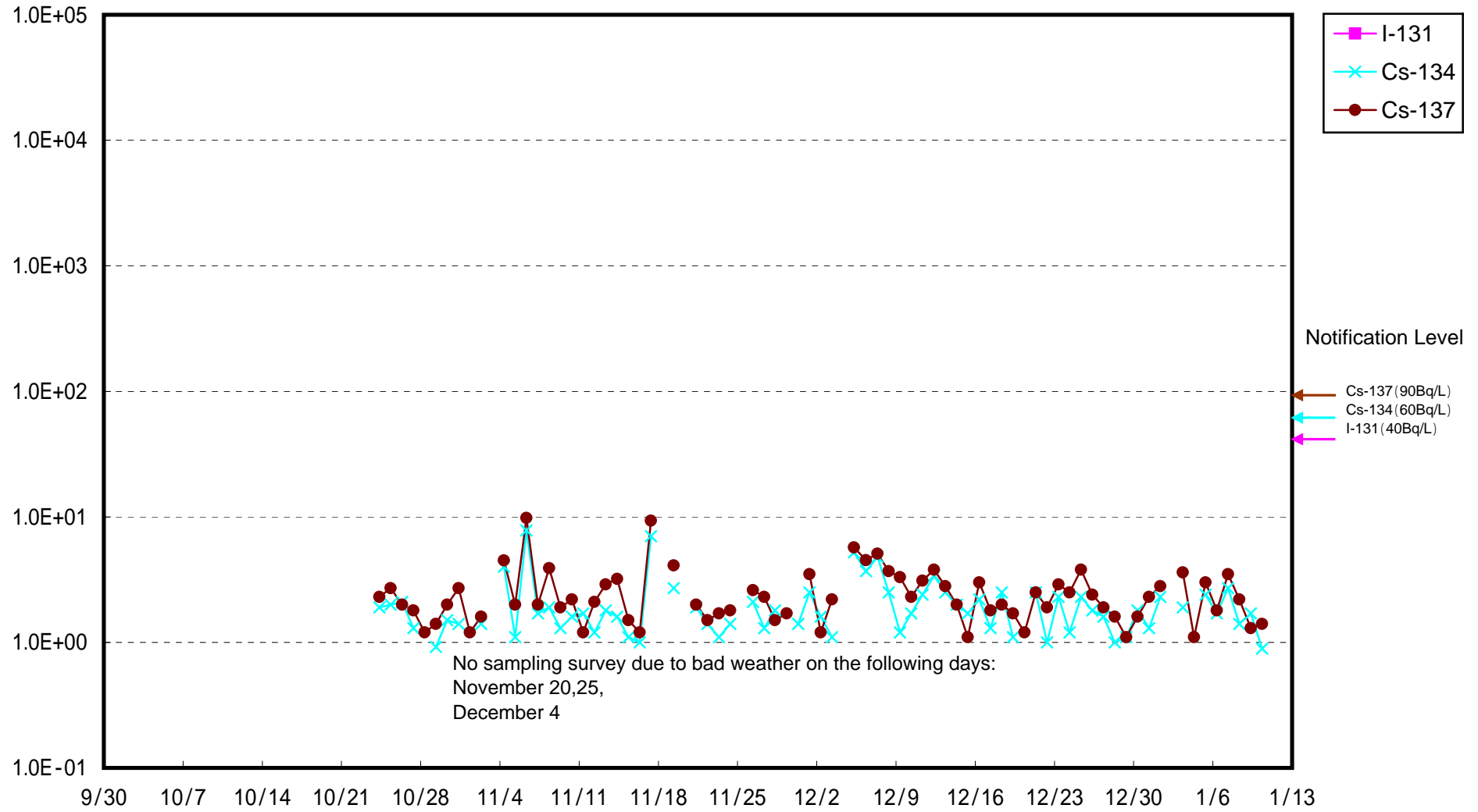
# Radioactivity Density of Seawater (Bq/L)



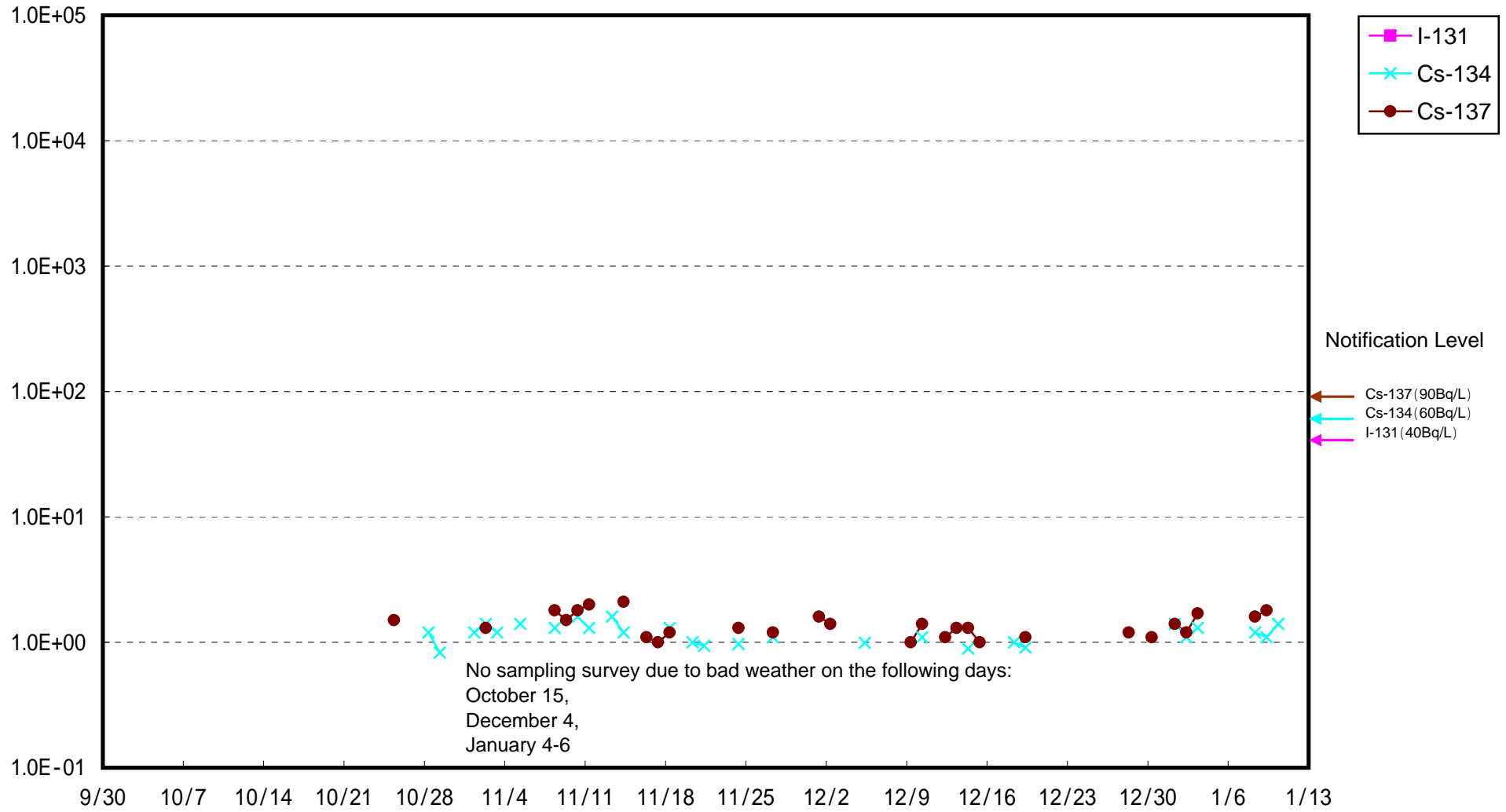
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



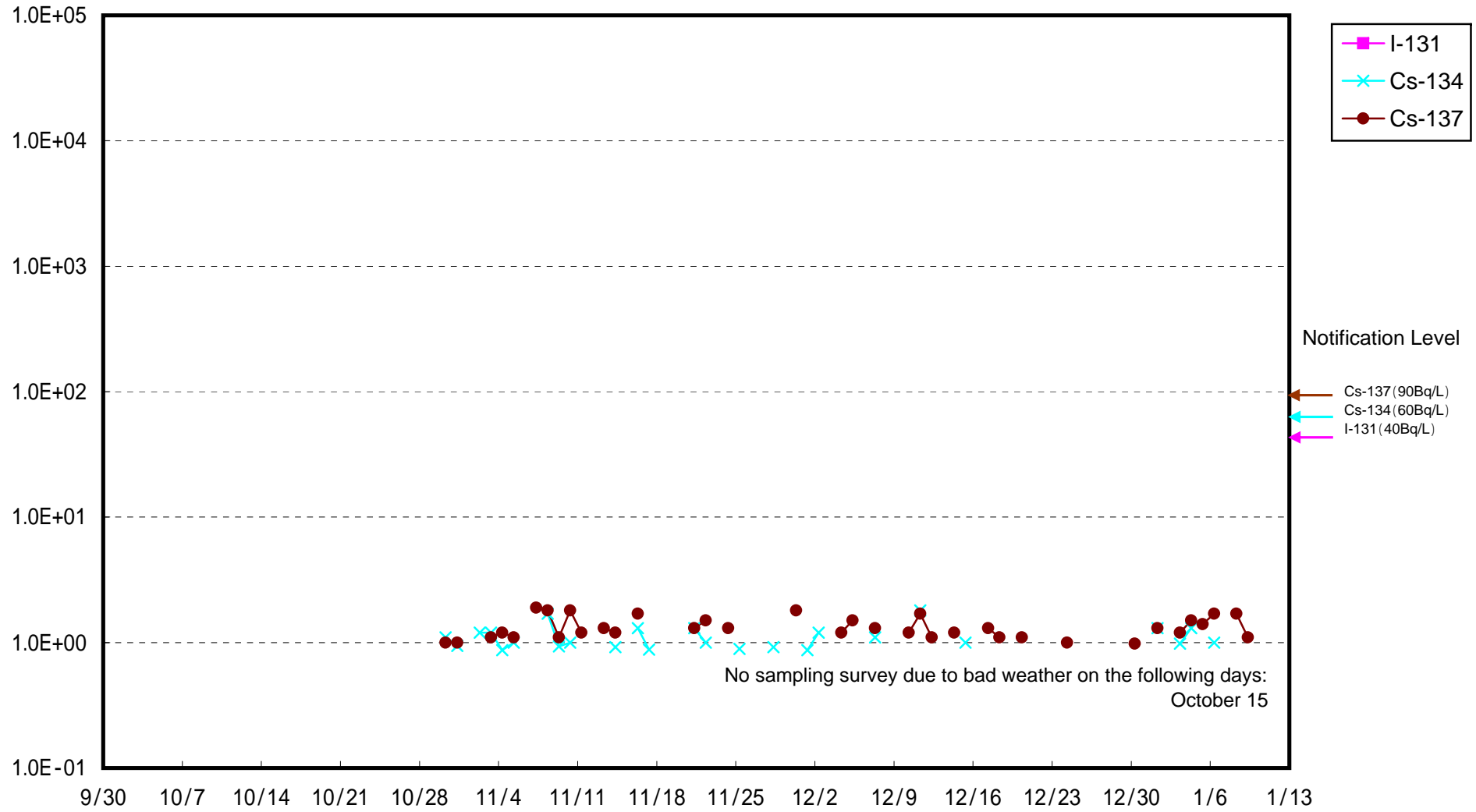
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



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

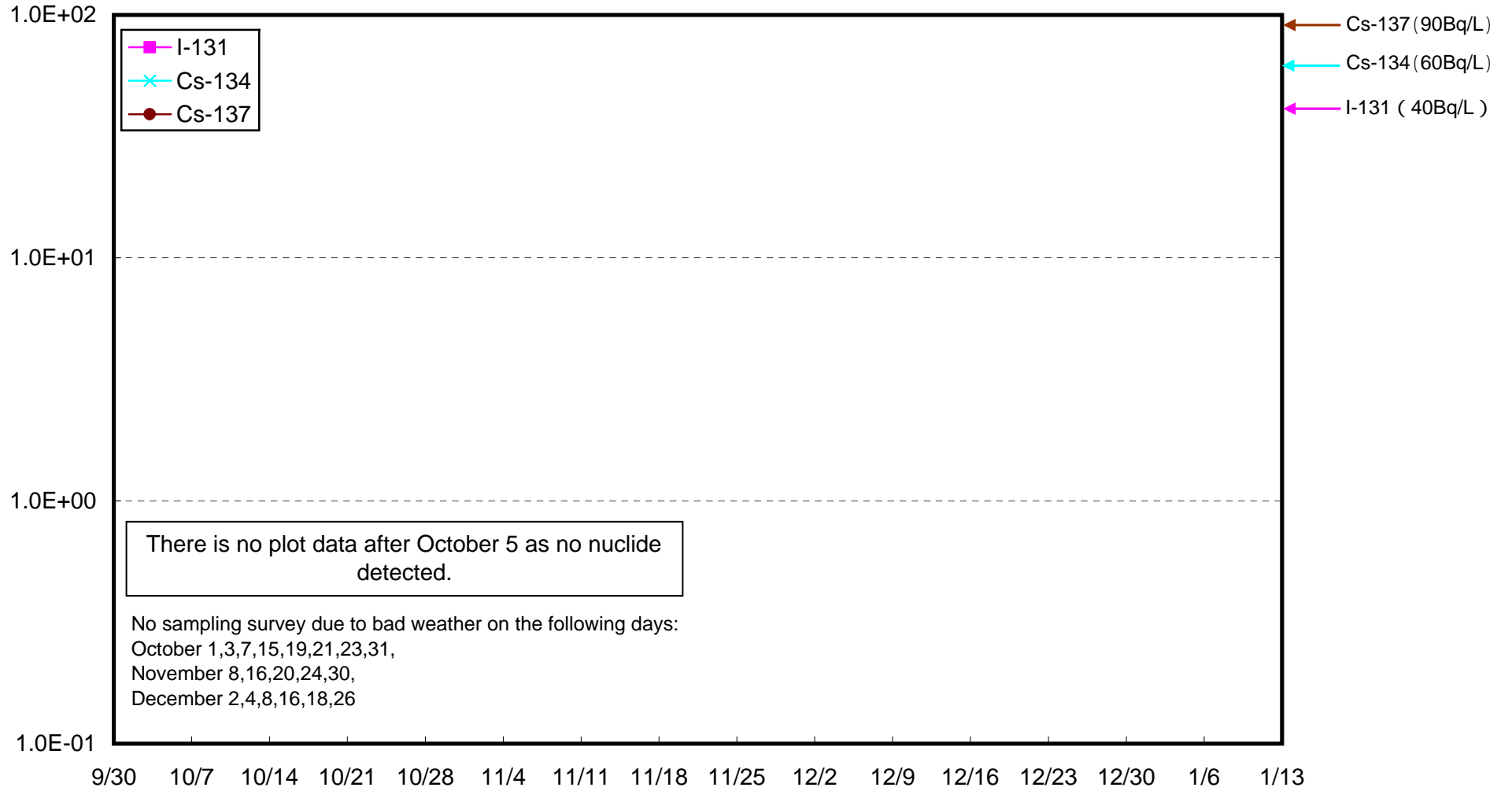


Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)



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

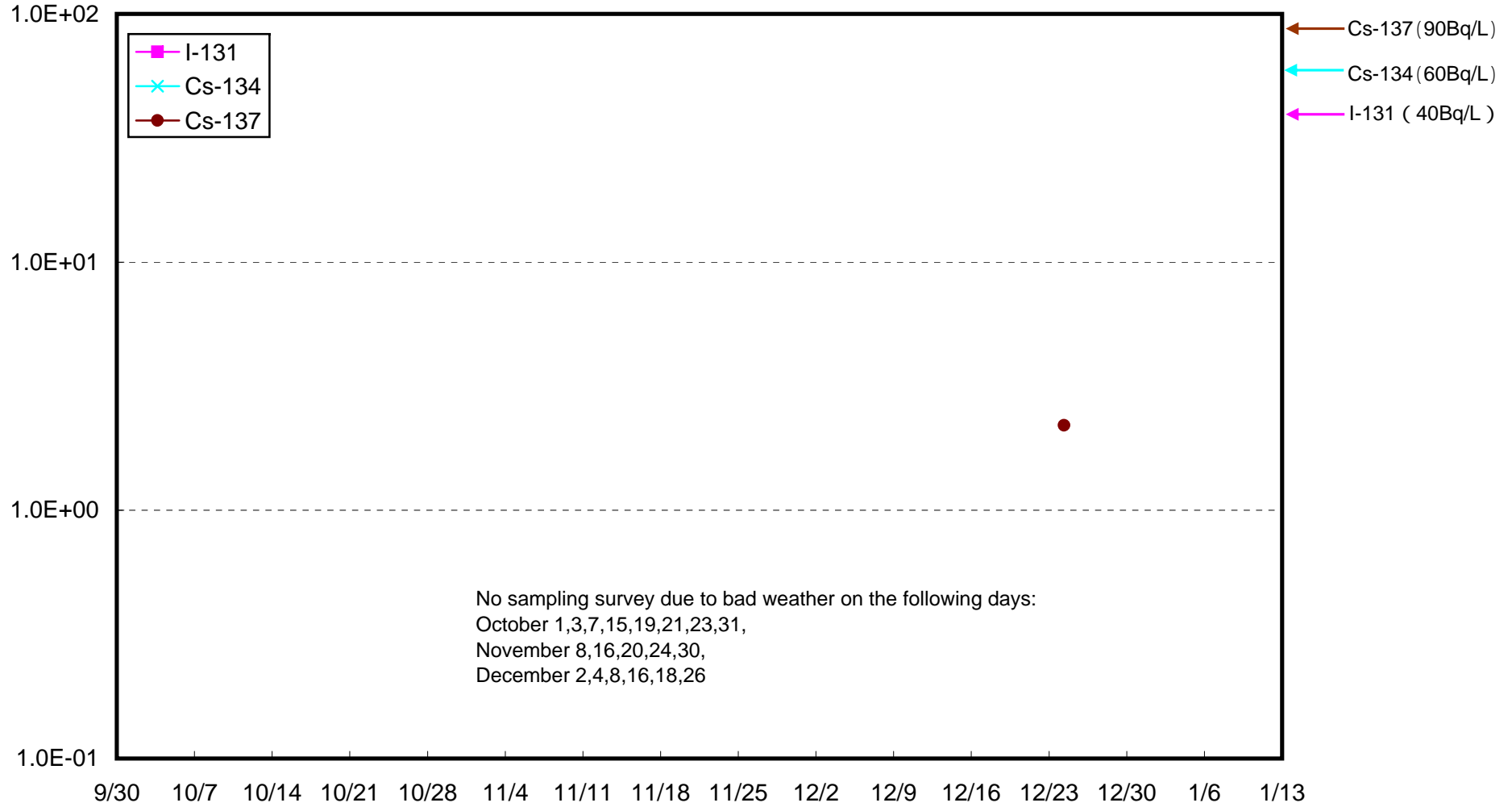
Notification Level



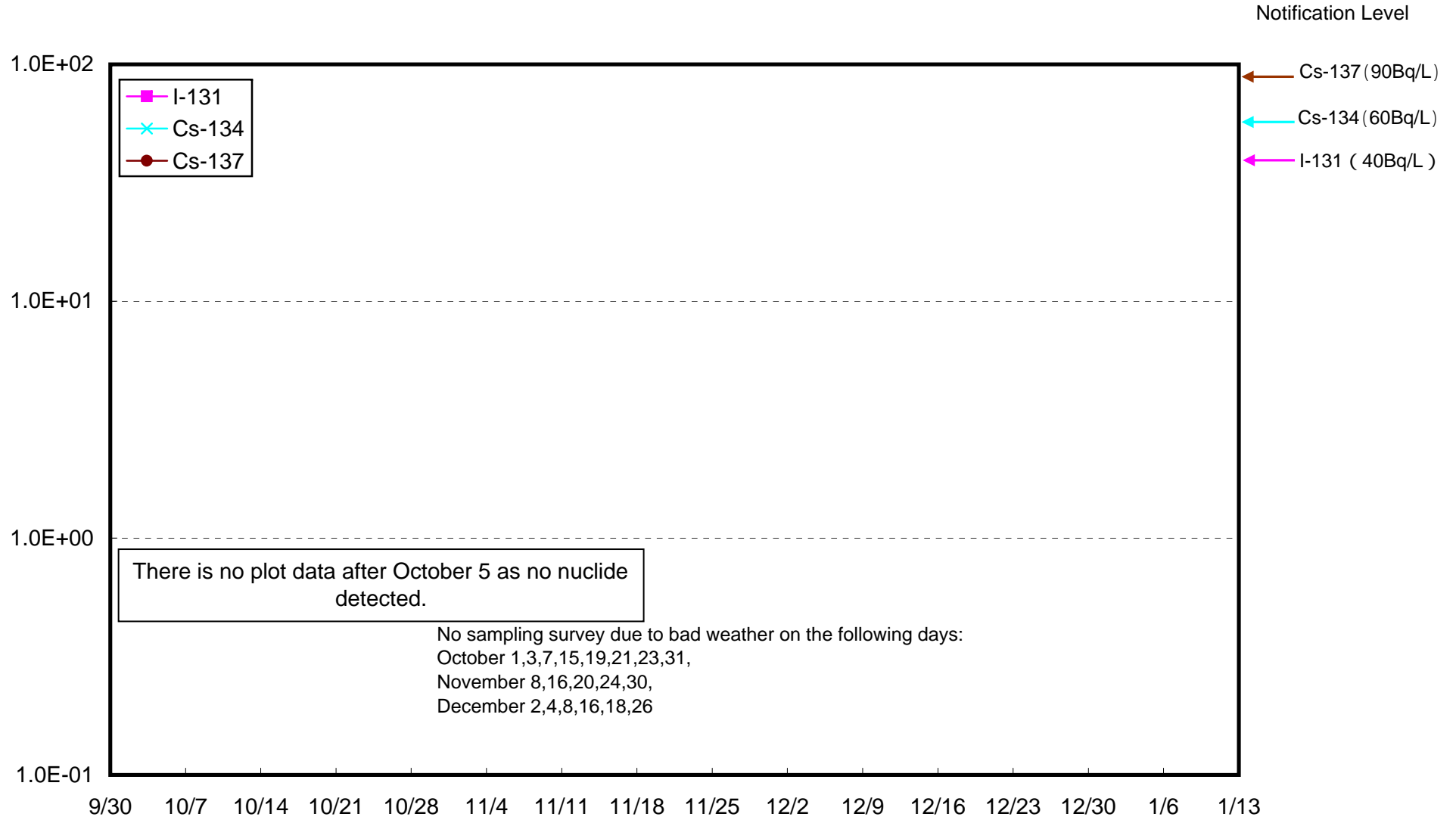


# Radioactivity Density of Seawater 3km Offshore of Haramachi Ward Lower Layer (Bq/L)

Notification Level

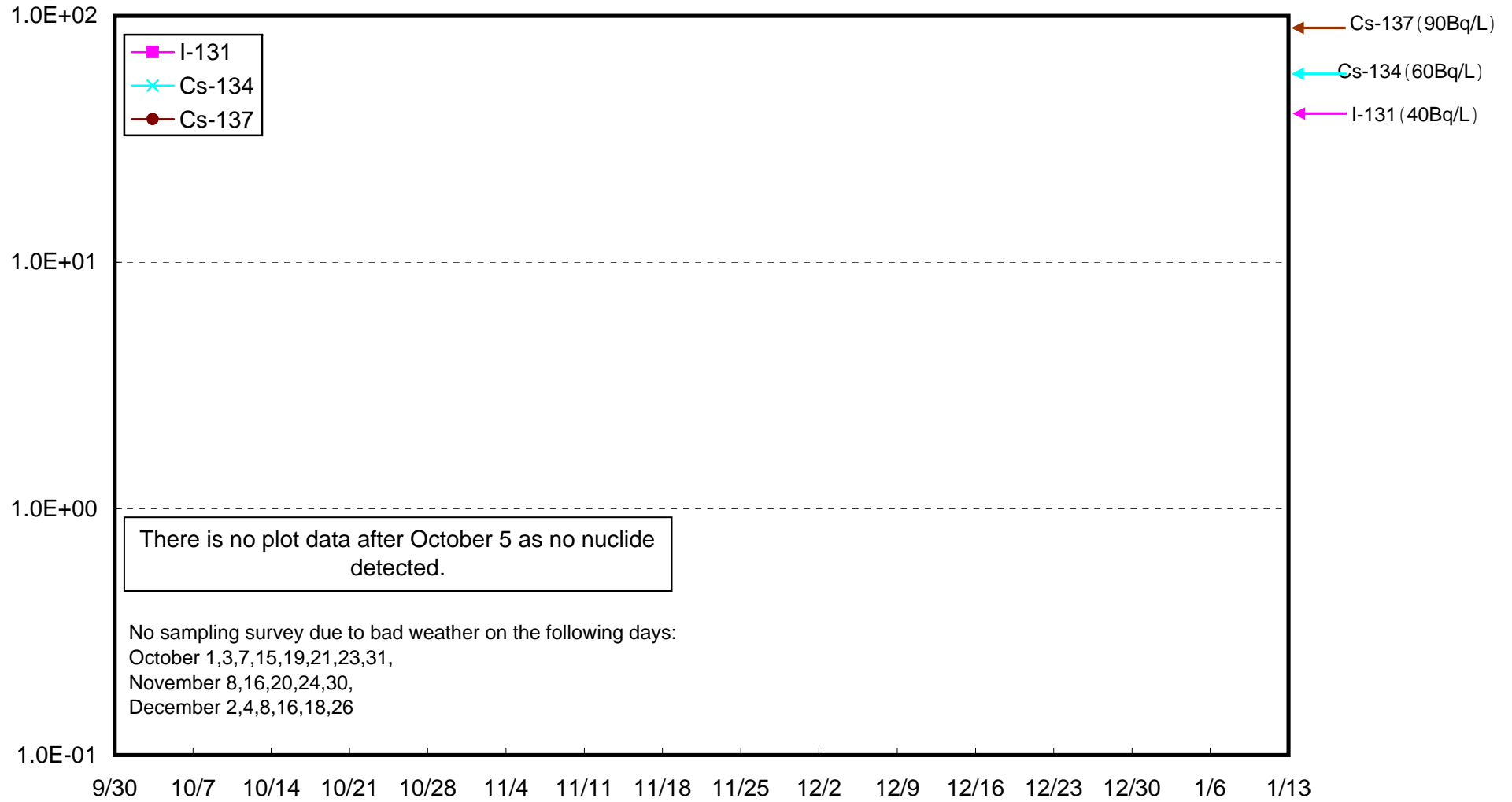


# Radioactivity Density of Seawater 3km Offshore of Odaka Ward Upper Layer (Bq/L)



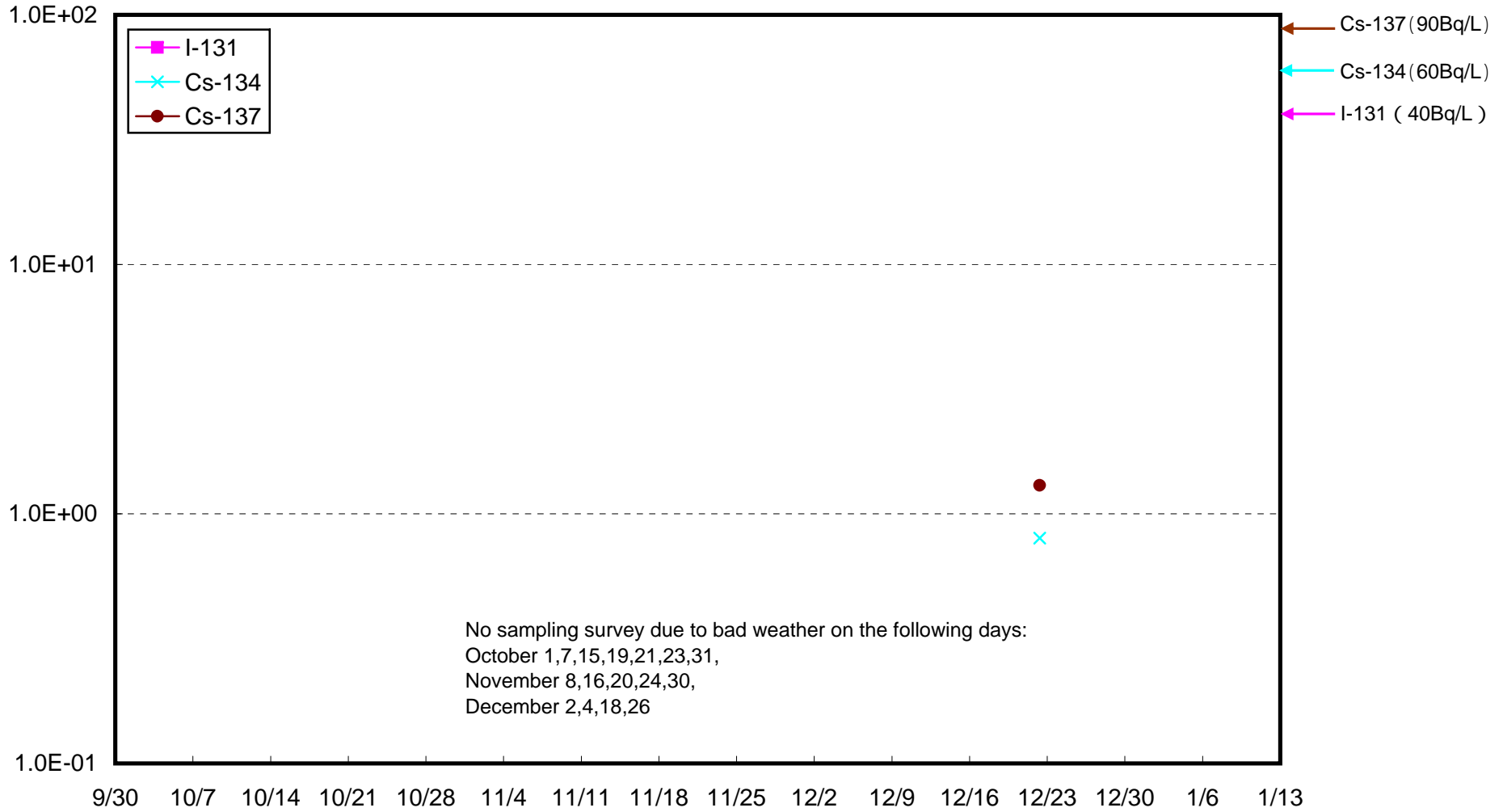
# Radioactivity Density of Seawater 3km Offshore of Odaka Ward Lower Layer (Bq/L)

Notification Level



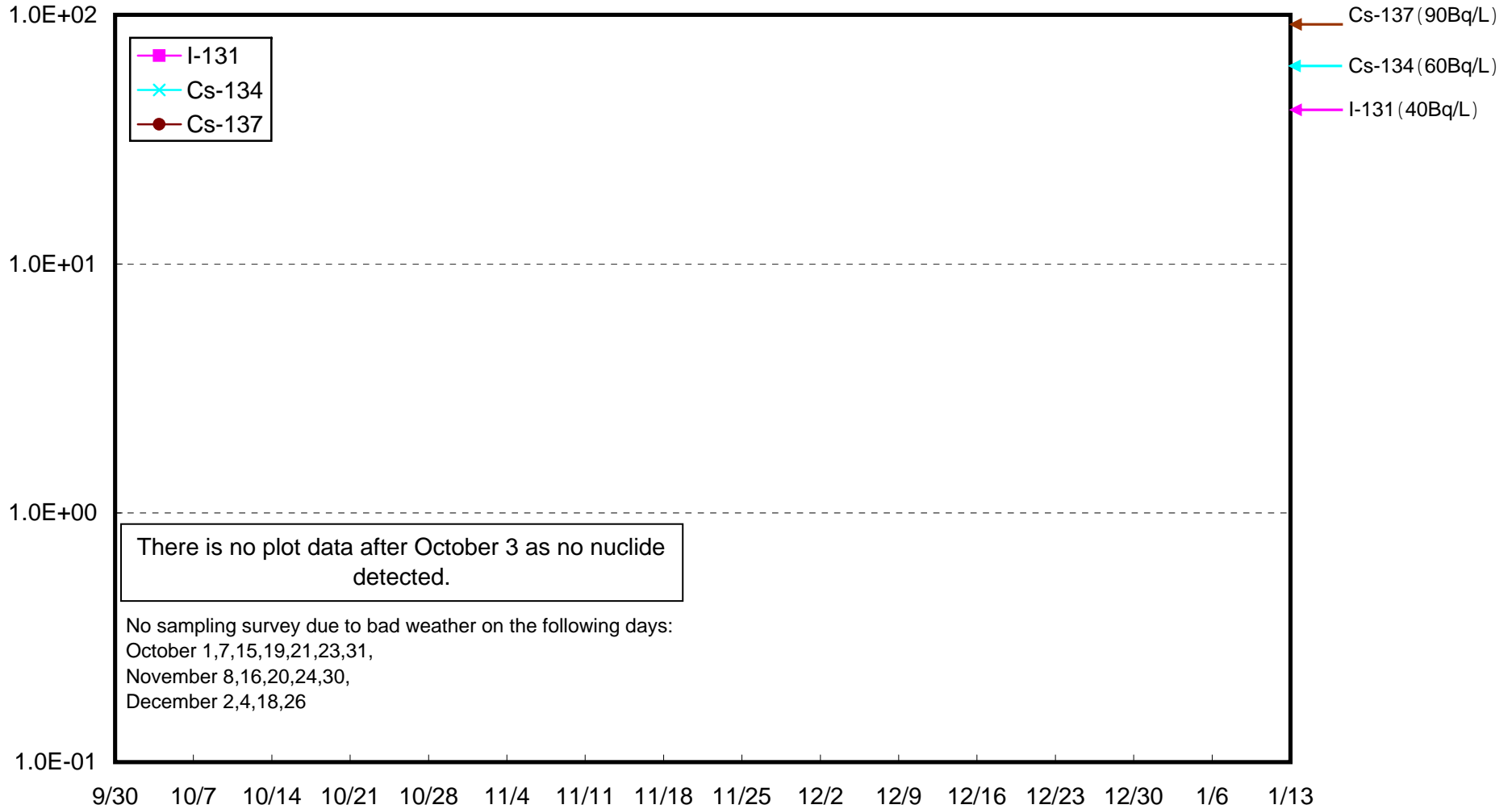
Radioactivity Density of Seawater 3km Offshore of Iwasawa Shore Upper Layer (Bq/L)

Notification Level



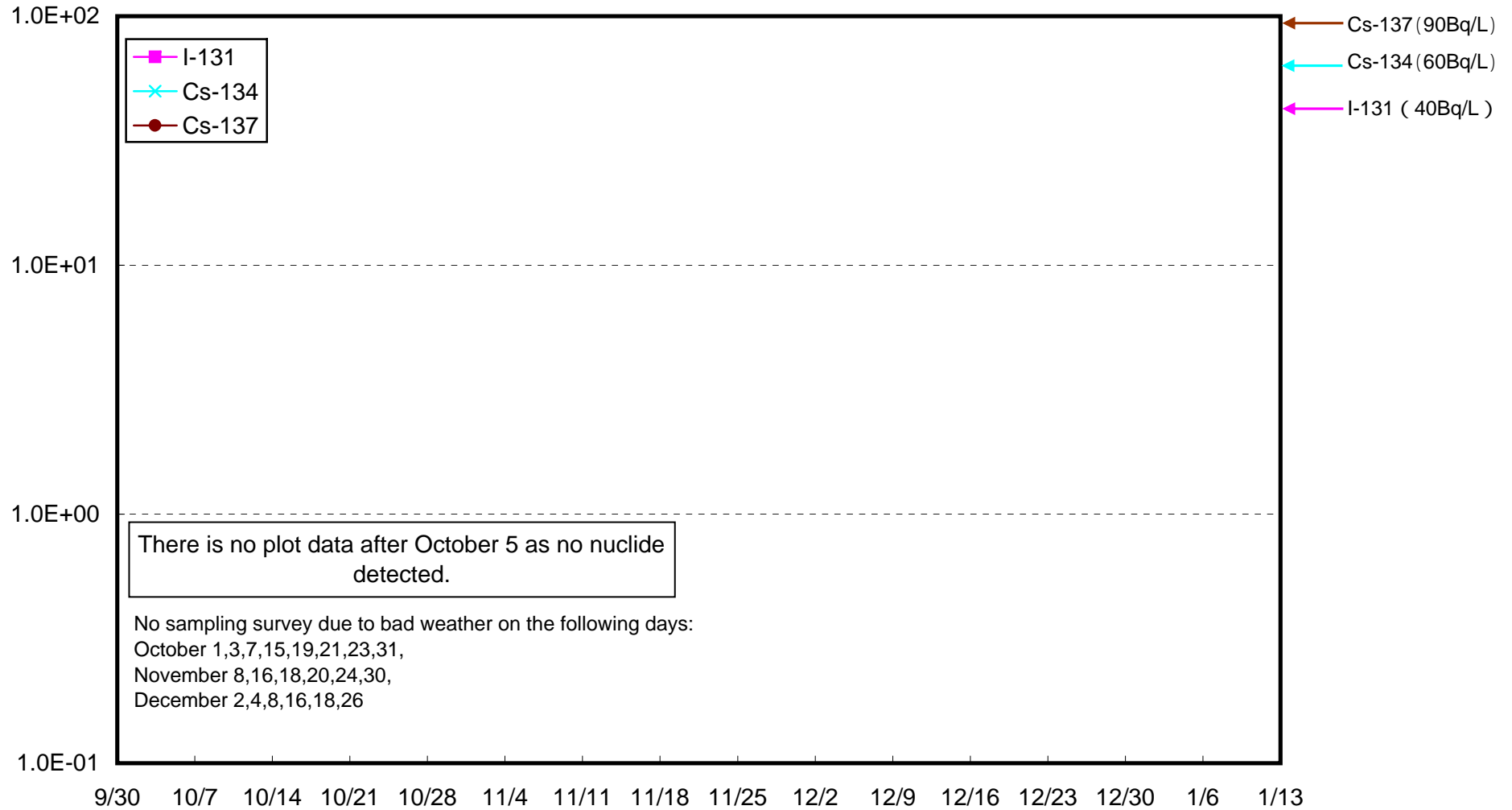
Radioactivity Density of Seawater 3km Offshore of Iwasawa Shore Lower Layer (Bq/L)

Notification Level



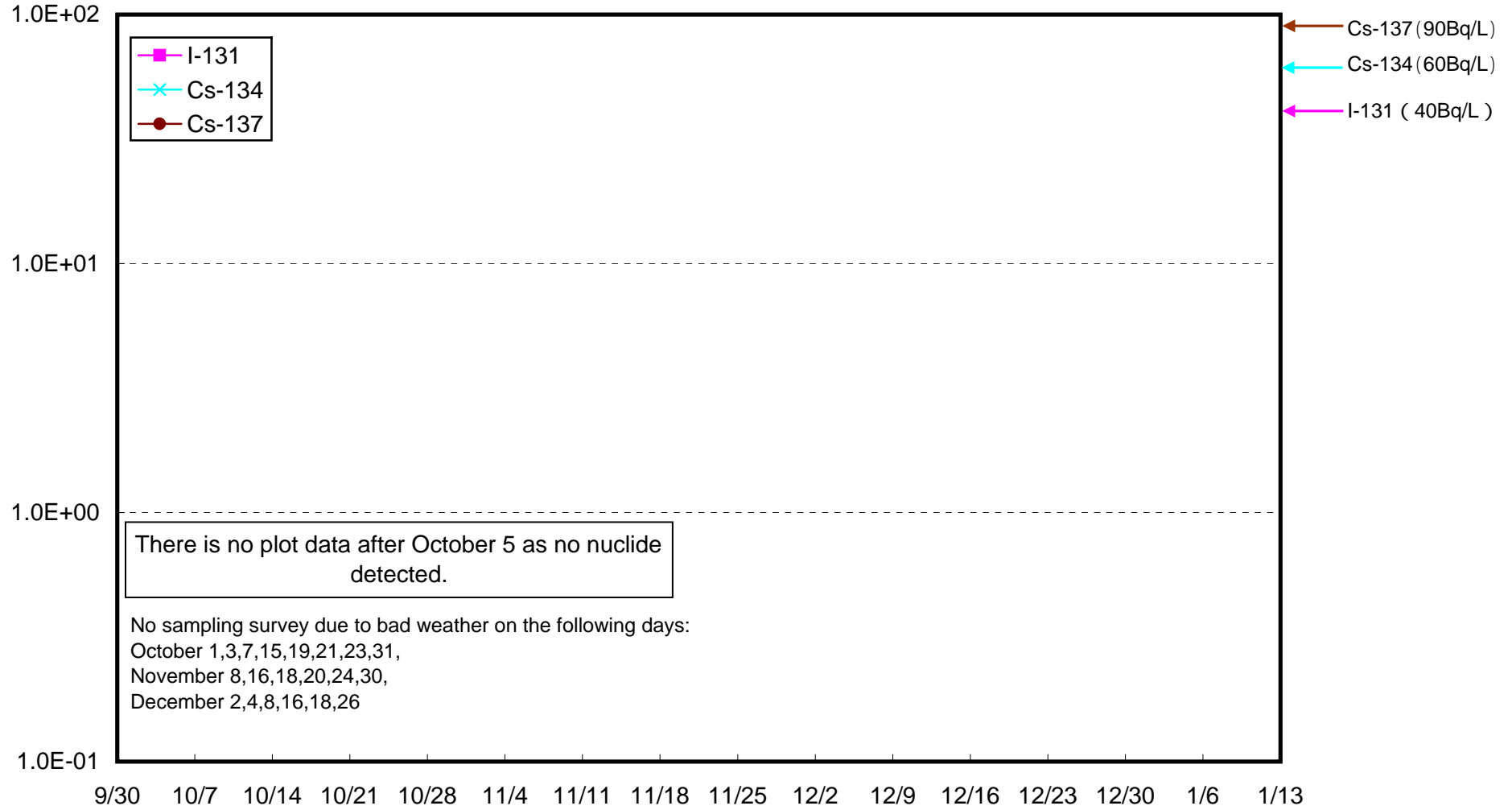
Radioactivity Density of Seawater 8km Offshore of Odaka Ward Upper Layer (Bq/L)

Notification Level



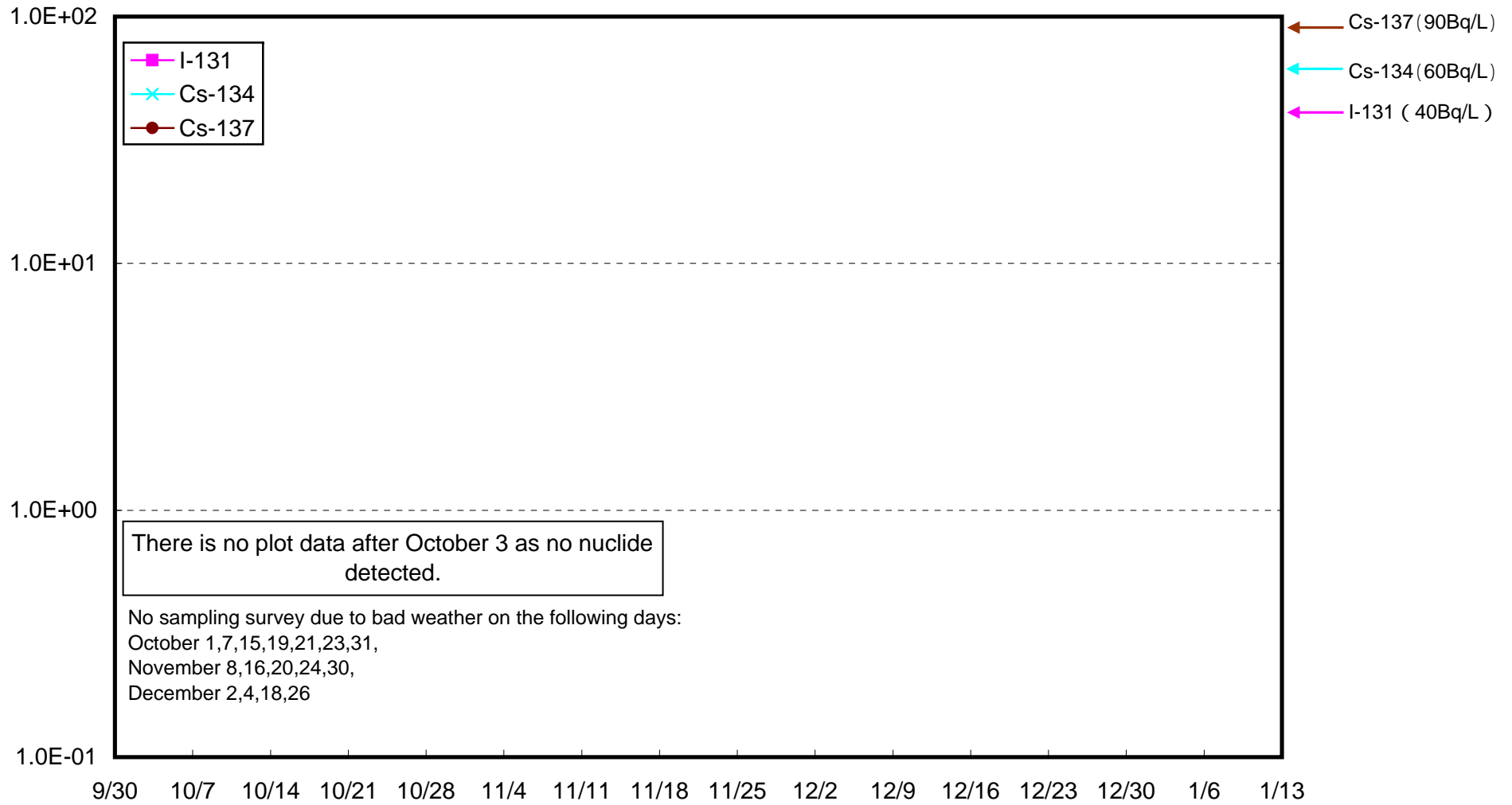
Radioactivity Density of Seawater 8km Offshore of Odaka Ward Lower Layer (Bq/L)

Notification Level



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

Notification Level





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

Notification Level

