

Nuclides Analysis Result of the Radioactive Materials in the Seawater < Coast, Fukushima Daiichi Nuclear Power Station > Reference

(Data summarized on July 6)

Place of Sampling	North of Unit 5-6 Discharge Channel at 1F (Approx. 30m North of Unit 5-6 Discharge Channel)		Around 1F South Discharge Channel of 1F (Approx. 330m South of Unit 1-4 Discharge Channel)		Density Limit Specified by the Reactor Regulation (Bq/L)	
Time of Sampling	05 Jul 2012 7:20		05 Jul 2012 7:00		(The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)	
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )		
I-131 (Approx. 8 days)	ND	-	ND	-		40
Cs-134 (Approx. 2 years)	ND	-	ND	-		60
Cs-137 (Approx. 30 years)	ND	-	ND	-	90	

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

\* Data of other nuclides is under evaluation.

\* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

\* "ND" indicates that the measurement result is below the detection limit.

I-131: Approx. 0.51Bq/L, Cs-134: Approx.1.3Bq/L, Cs-137: Approx.1.6Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are de

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(Data summarized on July 6)

Place of Sampling	2F Around the North Discharge Channel (Around Unit 3-4 Discharge Channel) (Approx. 10km from 1F)		2F Around Iwasawa Shore (Approx. 7km South of Unit 1 & 2 Discharge Channel) (Approx. 16km from 1F)		Density Limit Specified by the Reactor Regulation (Bq/L)	
Time of Sampling	03 Jul 2012 8:20		03 Jul 2012 7:55		(The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)	
Detected Nuclides (Half-life)	Density of Sample (Bq/L)	Scaling Factor ( / )	Density of Sample (Bq/L)	Scaling Factor ( / )		
I-131 (Approx. 8 days)	ND	-	ND	-		40
Cs-134 (Approx. 2 years)	ND	-	0.39	0.01		60
Cs-137 (Approx. 30 years)	0.51	0.01	0.51	0.01		90

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

\* Data of other nuclides is under evaluation.

\* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

\* "ND" indicates that the measurement result is below the detection limit.

I-131: Approx. 0.14Bq/L, Cs-134: Approx.0.23Bq/L

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are de

## Nuclides Analysis Result of Radioactive Materials in the Seawater < Offshore >

(Data summarized on July 6)

Place of Sampling (Place No.)	*1				*2				*2				Density Limit Specified by the Reactor Regulation (Bq/L)  (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	3km Offshore of Odaka Ward (T-14)				3km Offshore of Ukedo River (T-D1)				3km Offshore of Fukushima Daiichi NPS (T-D5)				
Time of Sampling	Upper Layer		Lower Layer		Upper Layer		Lower Layer		Upper Layer		Lower Layer		
	05 Jun 2012 8:25		05 Jun 2012 8:25		14 Jun 2012 8:15		14 Jun 2012 8:15		14 Jun 2012 7:40		14 Jun 2012 7:40		
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 ( / )	
Cs-134 (Approx. 2 years)	0.038	0.00	0.035	0.00	0.019	0.00	0.021	0.00	0.015	0.00	0.029	0.00	60
Cs-137 (Approx. 30 years)	0.055	0.00	0.052	0.00	0.033	0.00	0.035	0.00	0.018	0.00	0.048	0.00	90

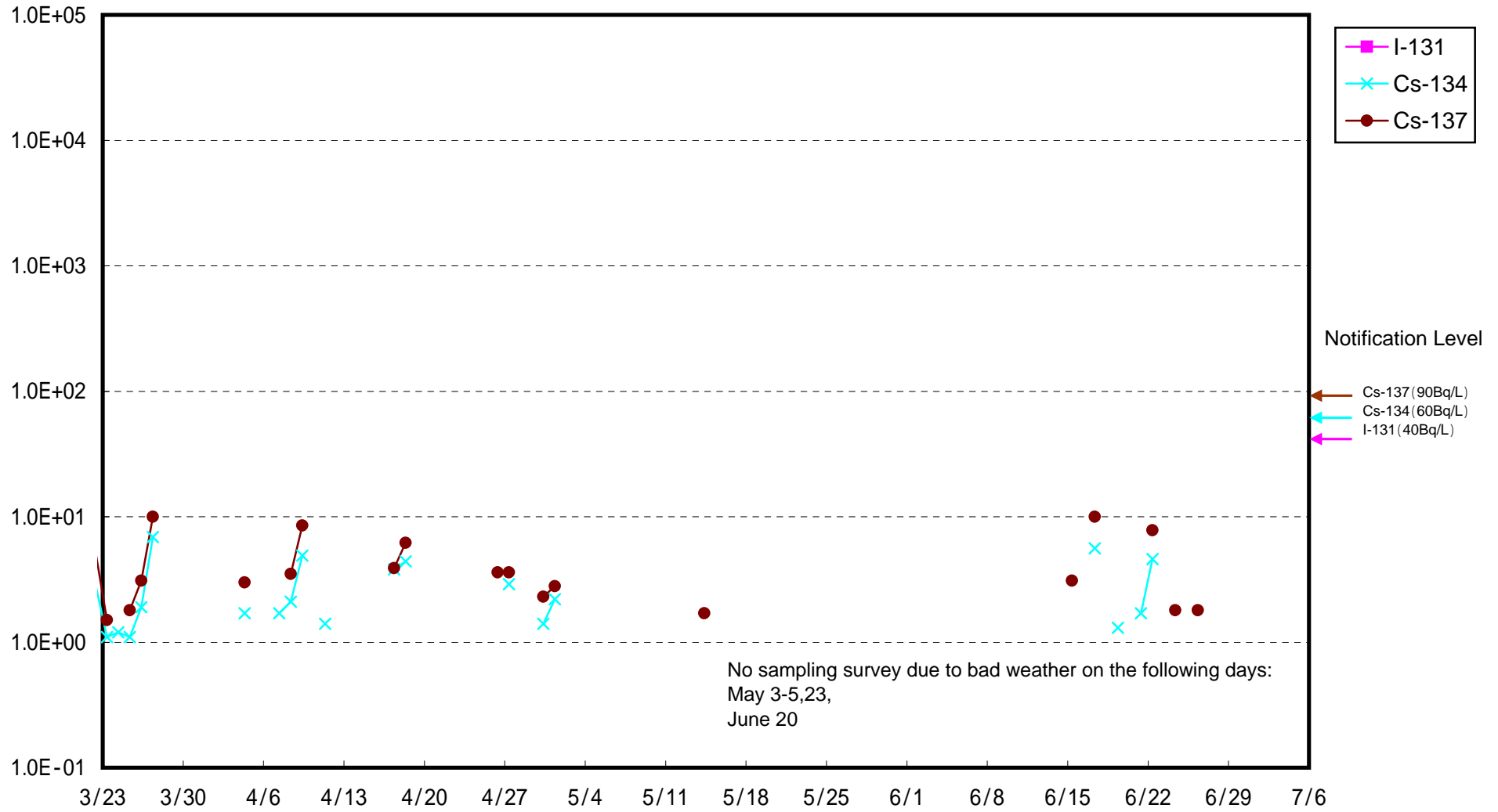
Place of Sampling (Place No.)	*1				*1								Density Limit Specified by the Reactor Regulation (Bq/L)  (The density limit in the water outside the surrounding monitored areas is provided in section 6 of Appendix 2.)
	15km Offshore of Fukushima Daiichi NPS (T-5)				3km Offshore of Iwasawa Shore (T-11)								
Time of Sampling	Upper Layer		Lower Layer		Upper Layer		Lower Layer						
	01 Jun 2012 8:45		01 Jun 2012 8:45		01 Jun 2012 7:10		01 Jun 2012 7:10						
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 ( / )	
Cs-134 (Approx. 2 years)	0.019	0.00	0.0067	0.00	0.11	0.00	0.029	0.00					60
Cs-137 (Approx. 30 years)	0.027	0.00	0.0096	0.00	0.15	0.00	0.040	0.00					90

\* The density specified by the Reactor Regulation is converted from Bq/cm<sup>3</sup> to Bq/L.

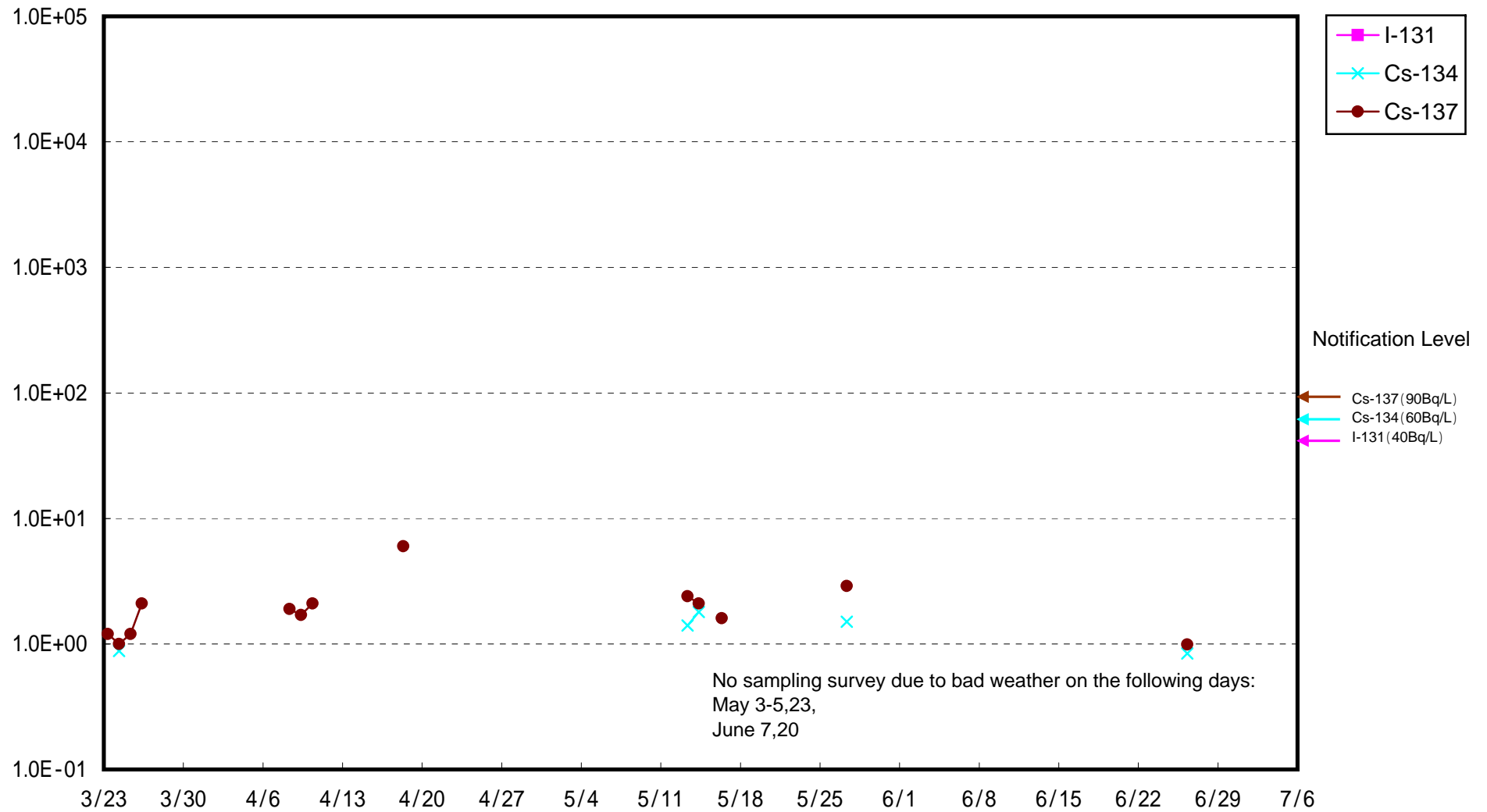
\* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

\* Analyzed by : \*1 THE GENERAL ENVIRONMENTAL TECHNOS Co., LTD., \*2 Tokyo Electric Power Environmental Engineering Co., Inc.

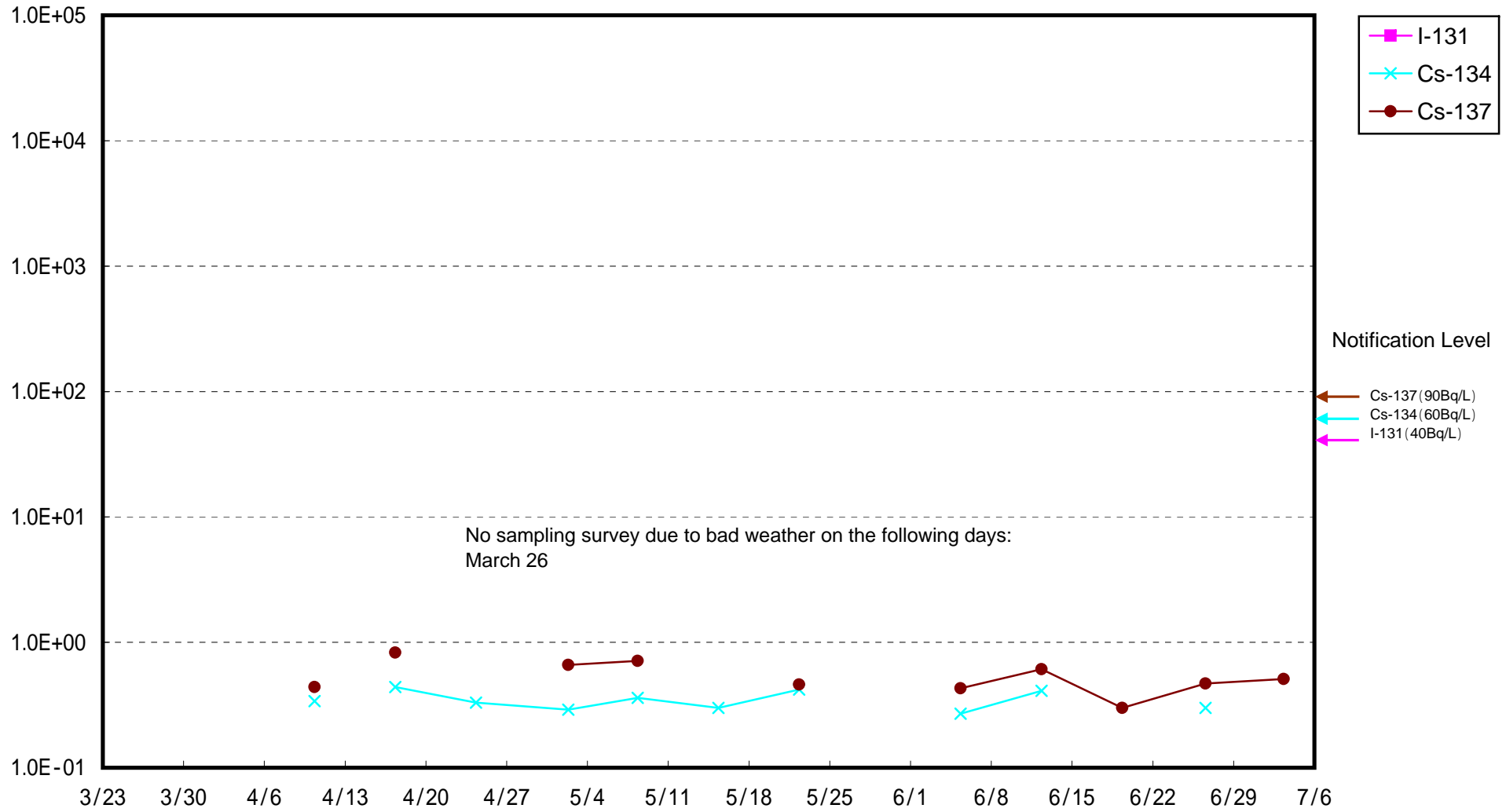
Radioactivity Density of the Seawater at the North of 1F Unit 5-6 Discharge Channel (Bq/L)



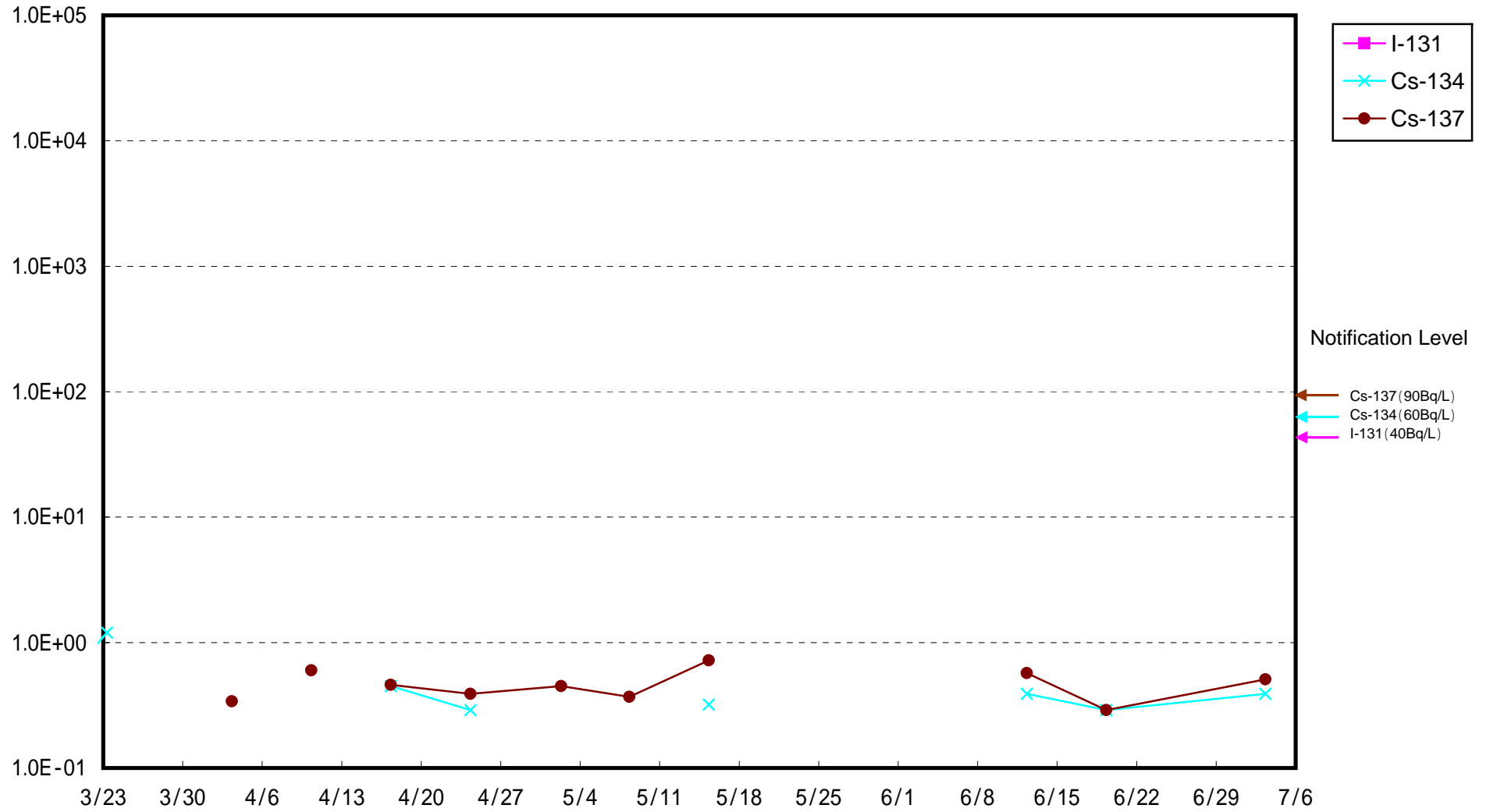
Radioactivity Density of the Seawater at 1F South Discharge Channel (Bq/L)



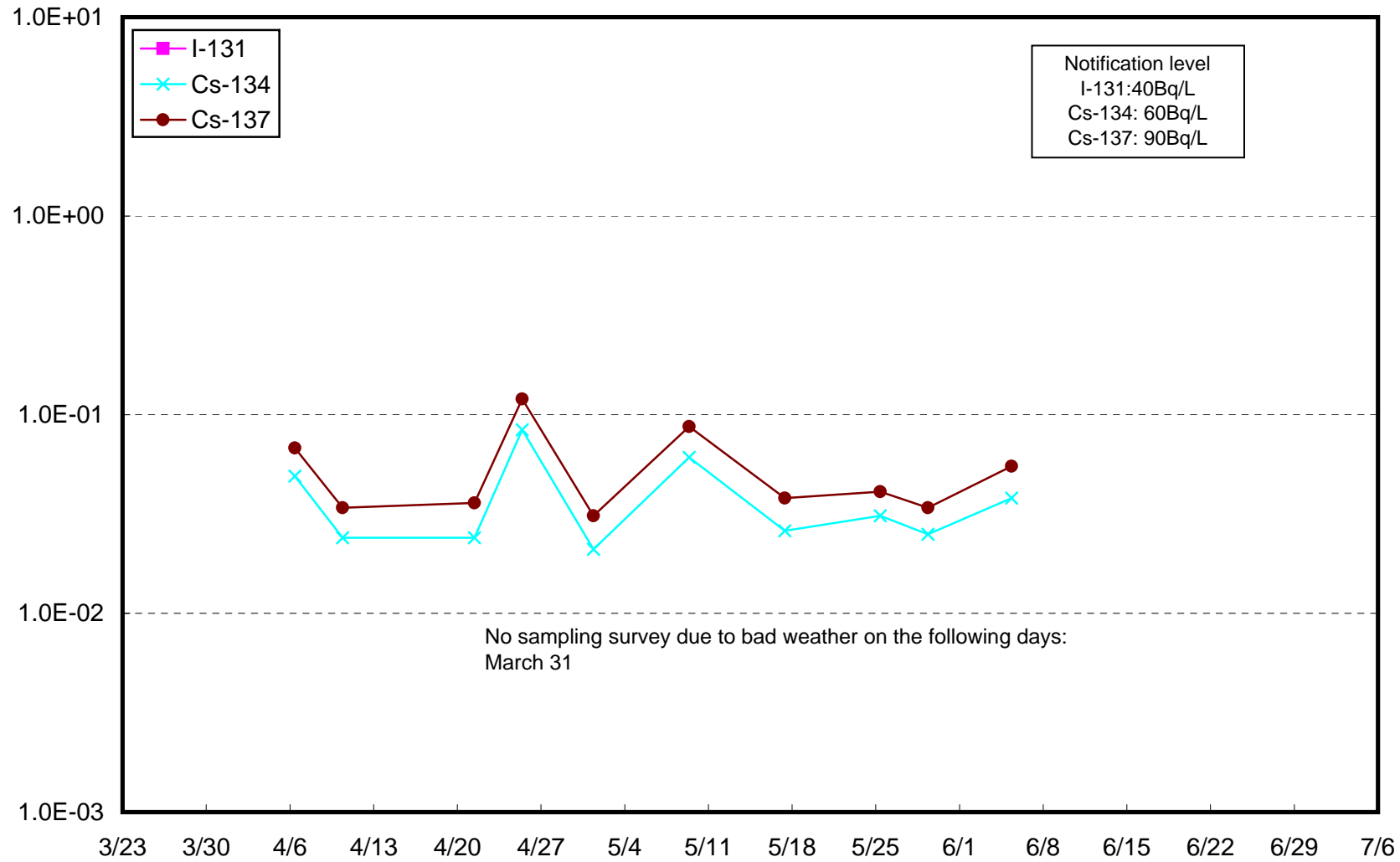
Radioactivity Density of the Seawater at 2F North Discharge Channel (Bq/L)



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

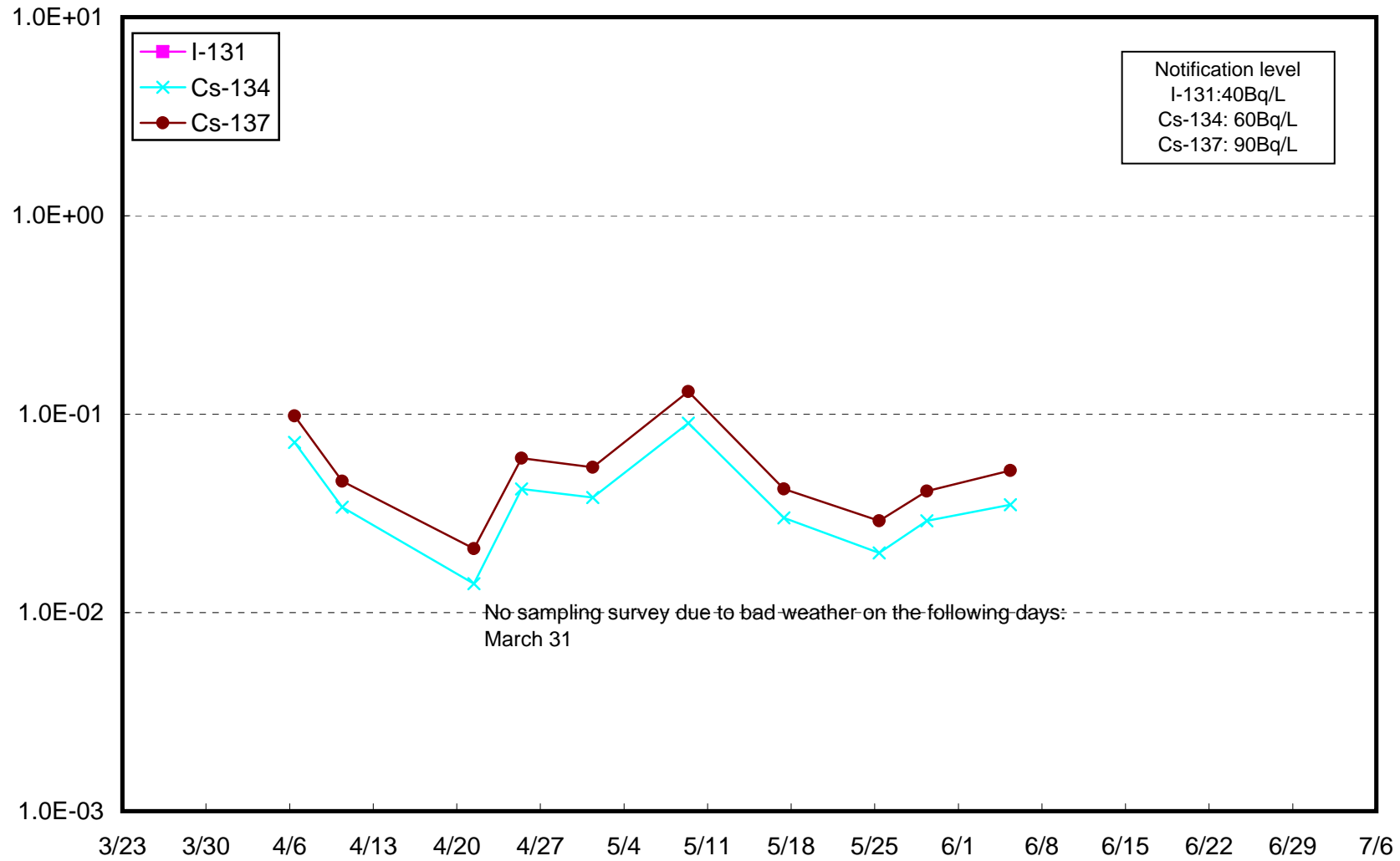


Radioactivity Density of the Seawater at 3km Offshore of Odaka Ward (T-14) Upper Layer (Bq/L)

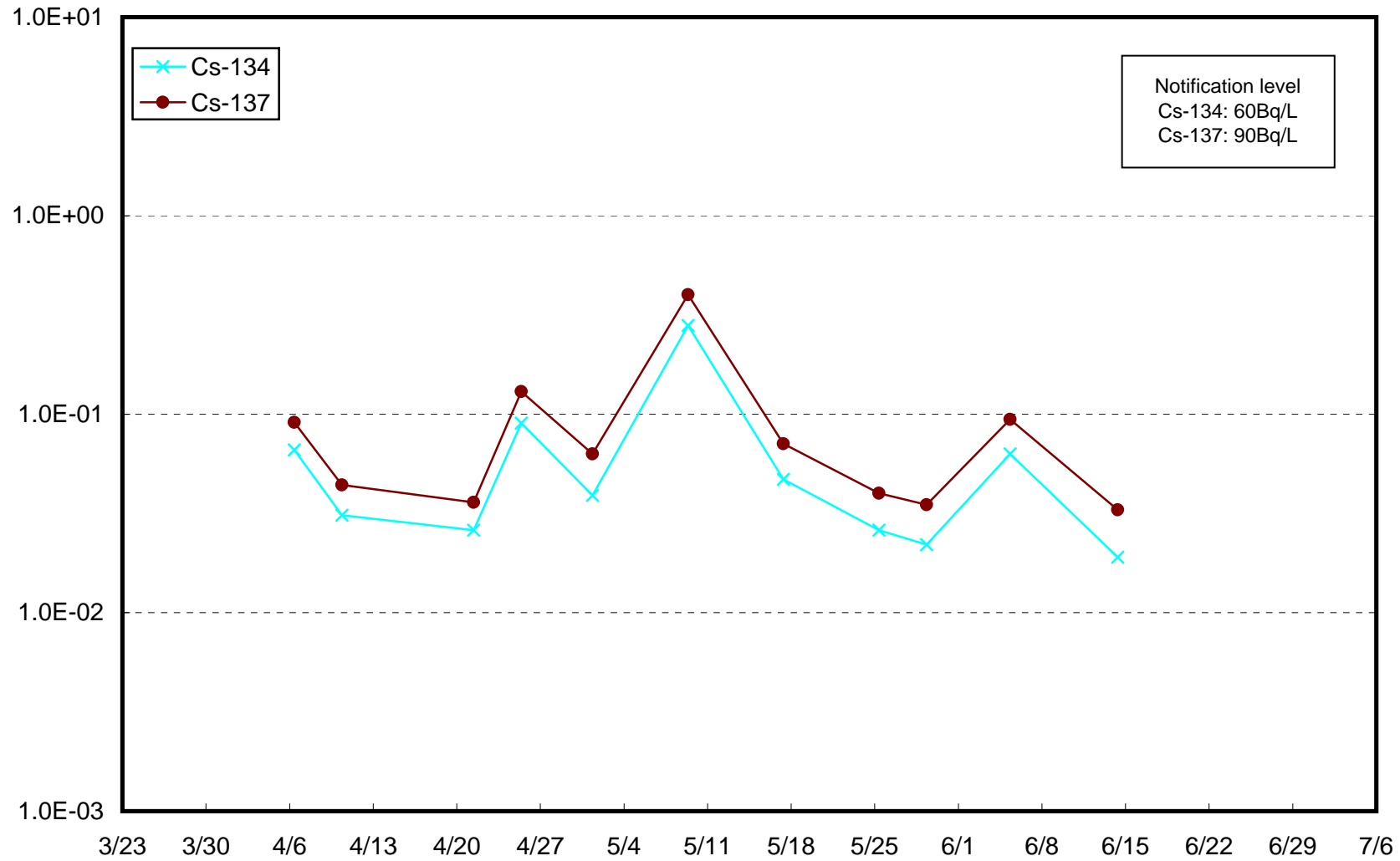




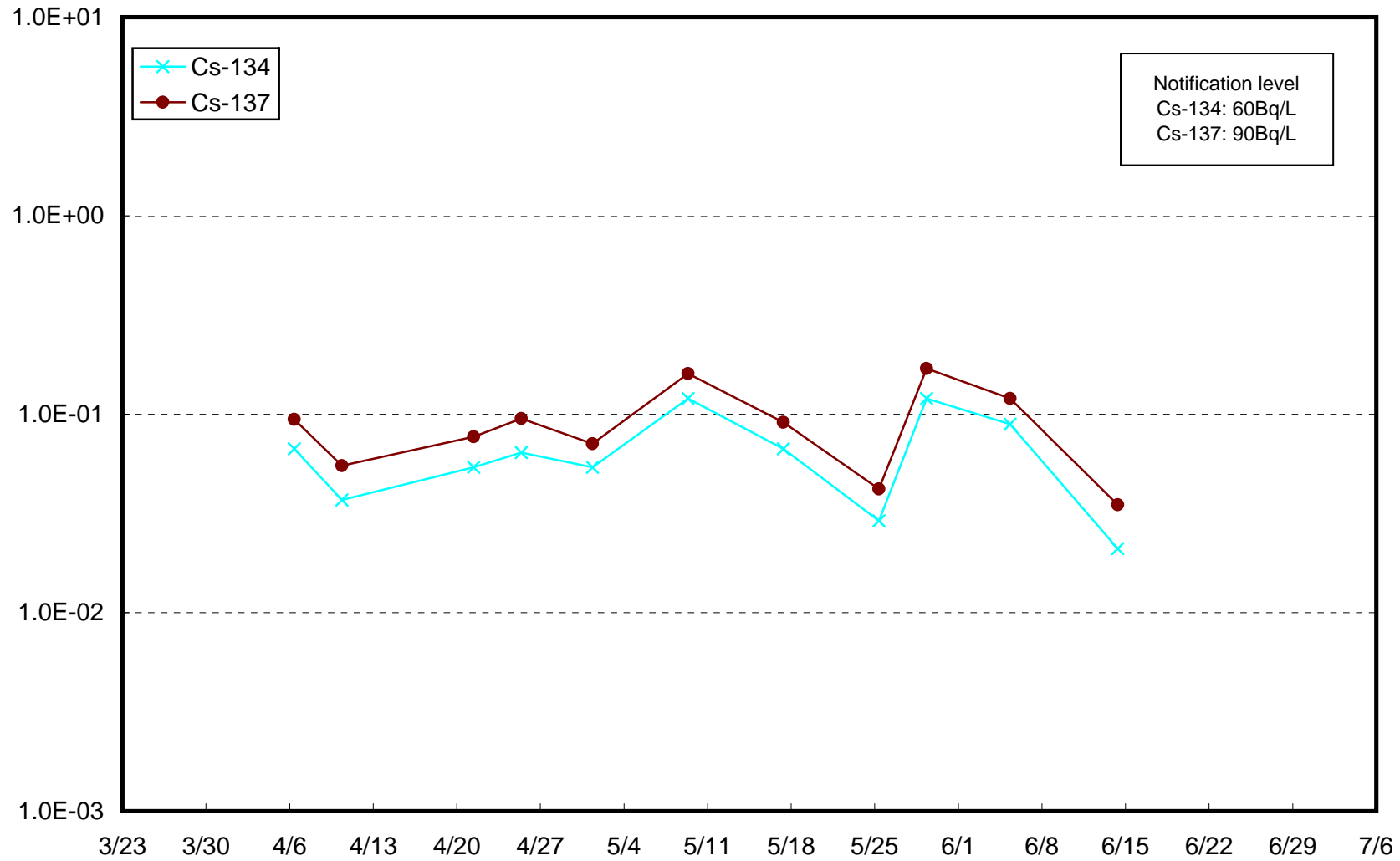
Radioactivity Density of the Seawater at 3km Offshore of Odaka Ward (T-14) Lower Layer (Bq/L)



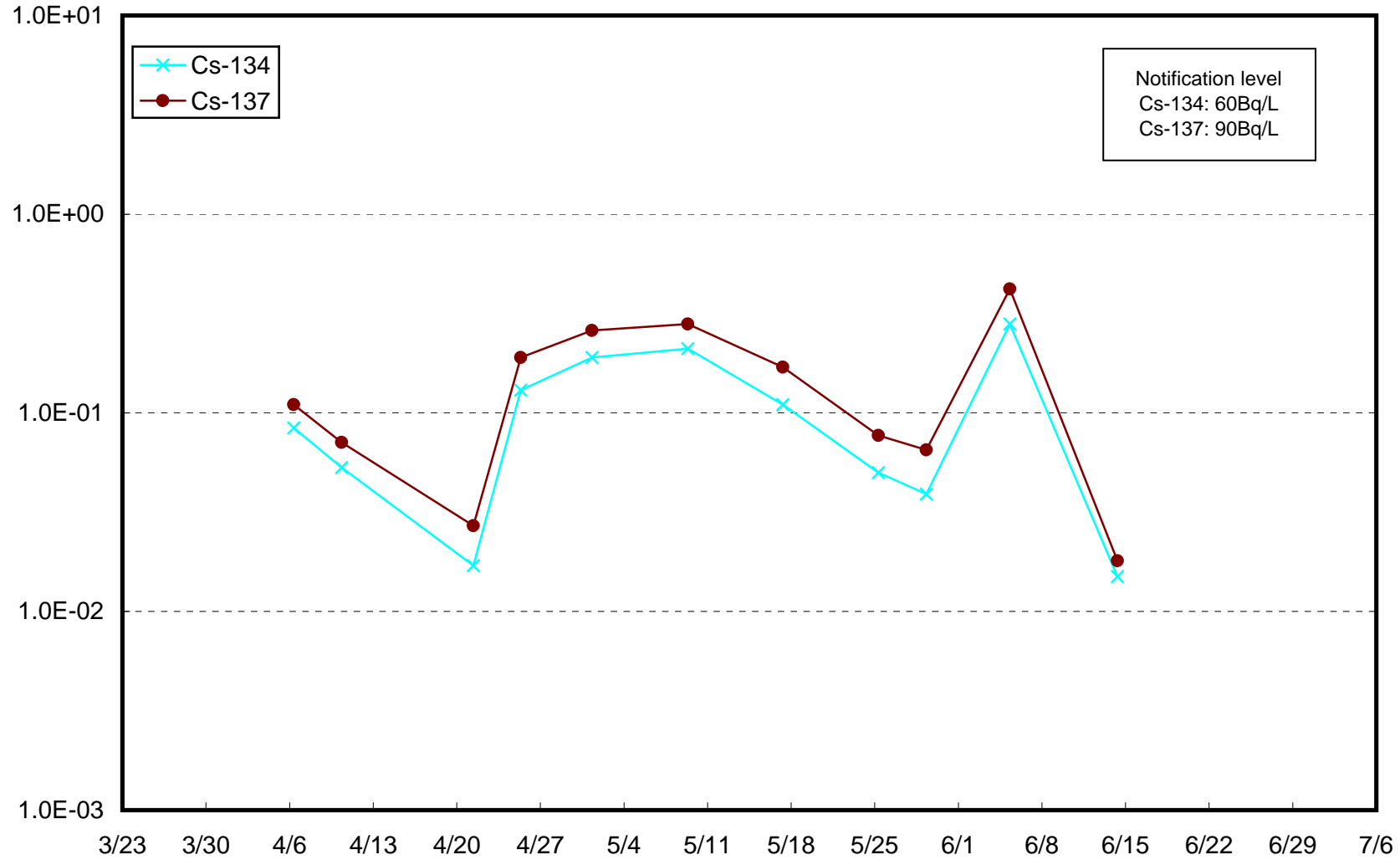
Radioactivity Density of the Seawater at 3km Offshore of Ukedo River (T-D1) Upper Layer (Bq/L)



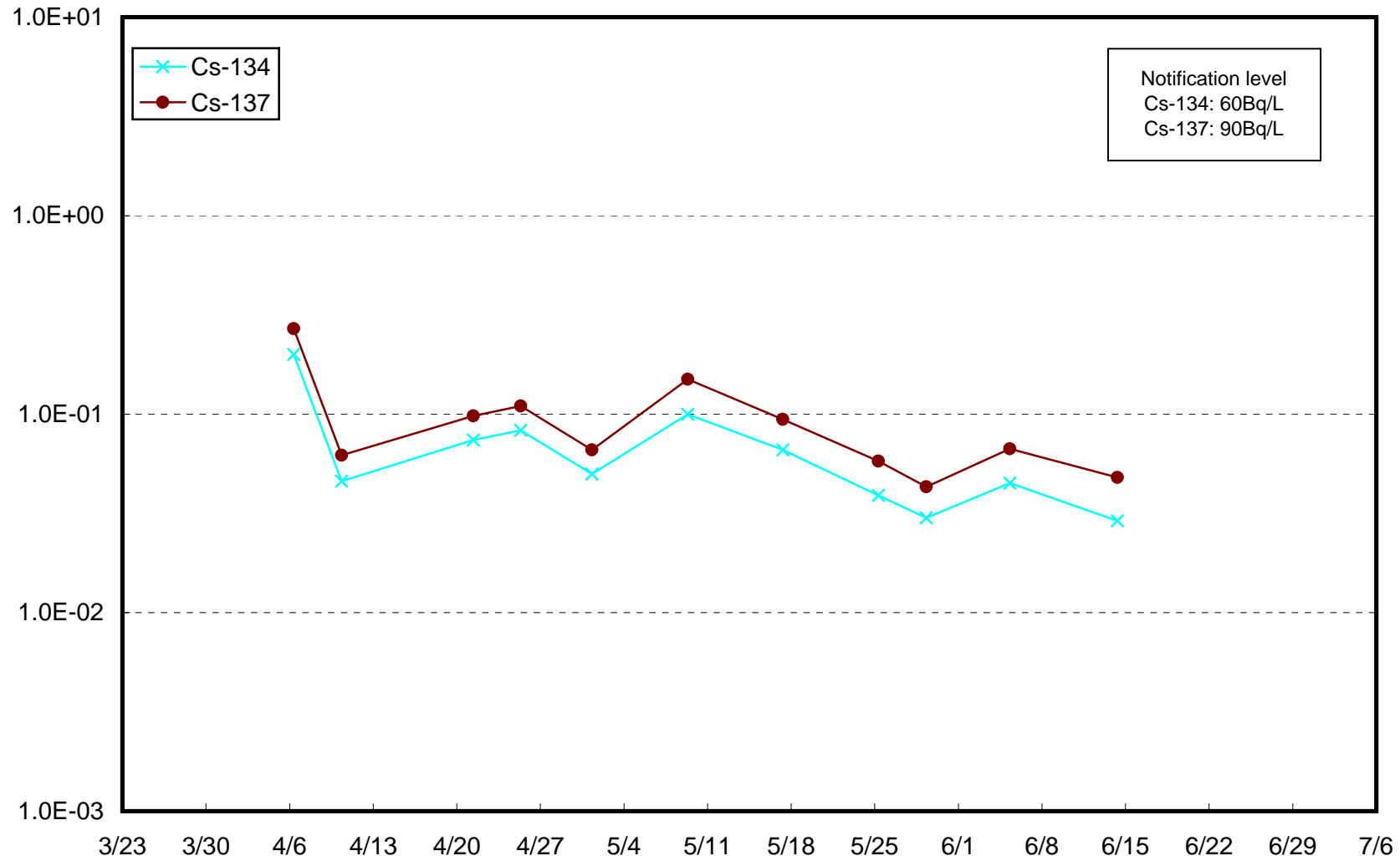
Radioactivity Density of the Seawater at 3km Offshore of Ukedo River (T-D1) Lower Layer (Bq/L)



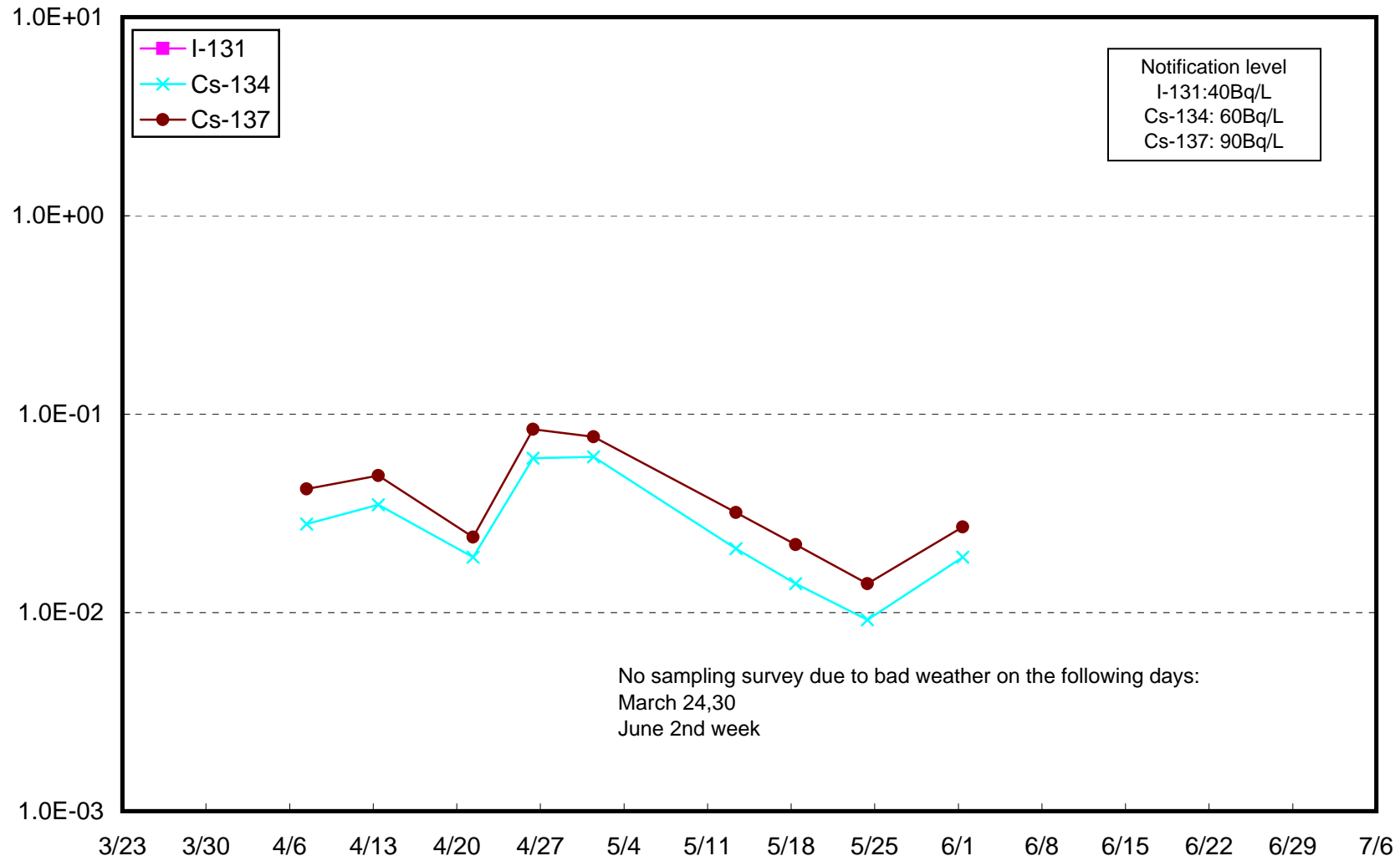
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daiichi NPS (T-D5) Upper Layer (Bq/L)



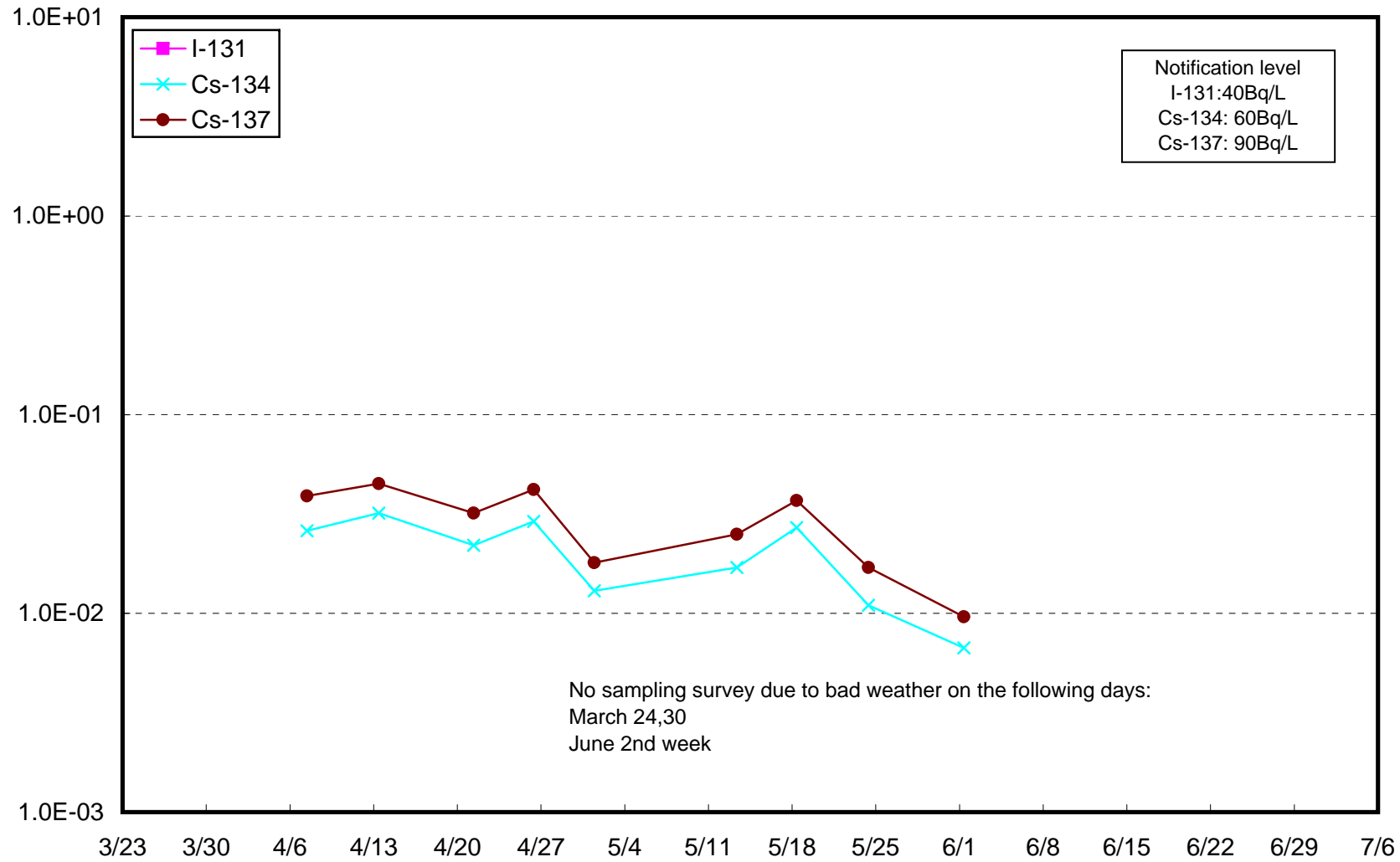
Radioactivity Density of the Seawater at 3km Offshore of Fukushima Daiichi NPS (T-D5) Lower Layer (Bq/L)



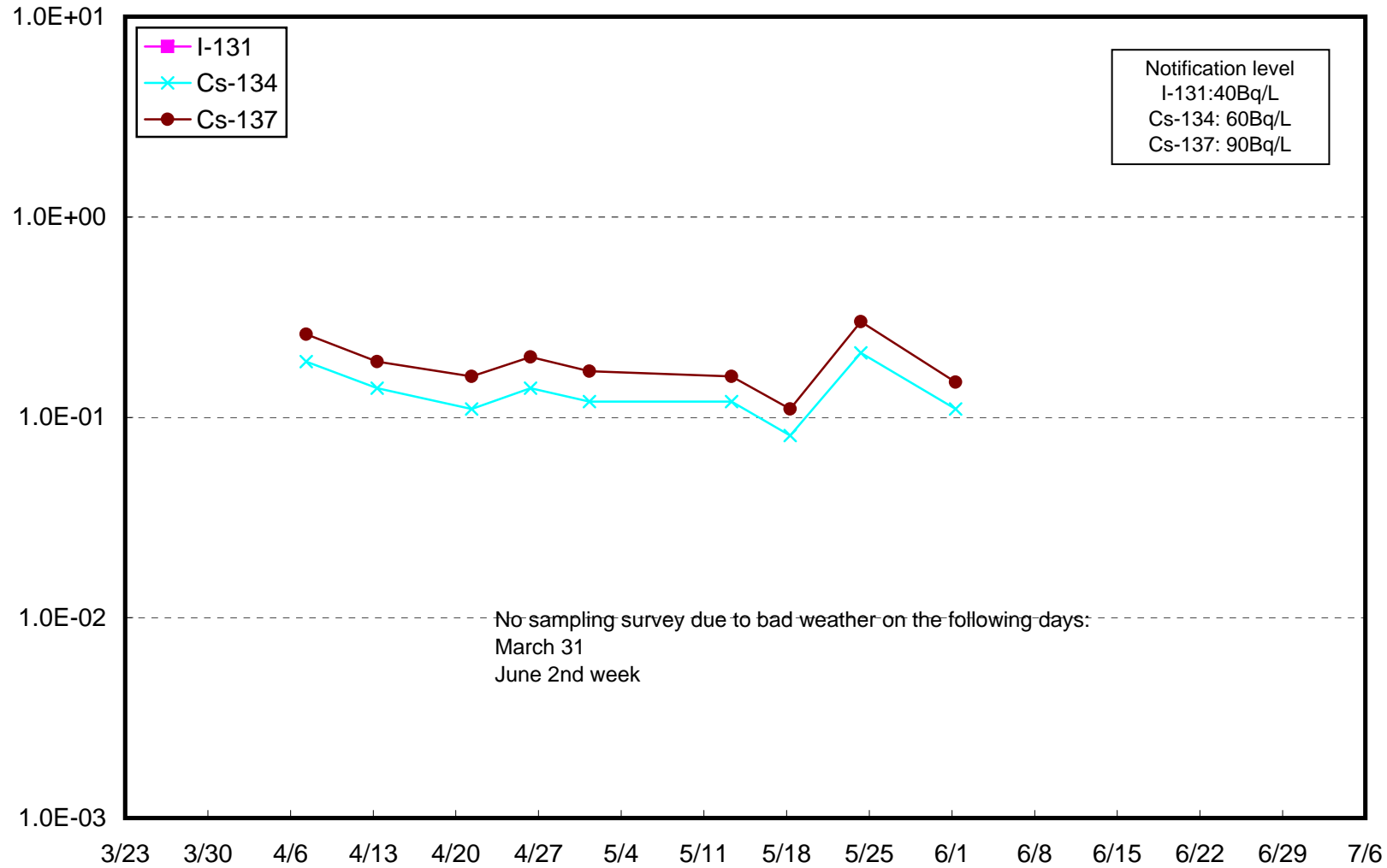
Radioactivity Density of the Seawater at 15km Offshore of Fukushima Daiichi NPS (T-5) Upper Layer (Bq/L)



Radioactivity Density of the Seawater at 15km Offshore of Fukushima Daiichi NPS (T-5) Lower Layer (Bq/L)



Radioactivity Density of the Seawater at 3km Offshore of Iwasawa Shore (T-11) Upper Layer (Bq/L)





Radioactivity Density of the Seawater at 3km Offshore of Iwasawa Shore (T-11) Lower Layer (Bq/L)

