Nuclide Analysis Results of Radioactive Materials in Seawater < Coast>

Reference

(Data summarized on December 29)

Place of Sampling	North of Discha of 5-6u (approx. 30m r discharge o	of 1F north of 5-6u	Around South Channel (appox. 330m Discharge (of 1F south of 1-4u	Around North Channel (Around 3,4u Chanr (approx. 10 ki	of 2F u Discharge nel)	Around Iwasawa (appox. 7 km : Discharge ((appox. 16 kr	south of 1,2u Channel)	Density limit by the announcement of Reactor Regulation (Bq/L)		
Time of Sampling	Dec 28, 08:35		Dec 28, 08:15		Dec 28, 08:15		Dec 28, 07:55		(the density limit in the water outside of		
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 (/)	surrounding monitored areas in the section 6 of the appendix 2)		
I-131 (about 8 days)	ND	-	ND -		ND -		ND	-	40		
Cs-134 (about 2 years)	ND	-	1.0	0.02	ND	-	ND	-	60		
Cs-137 (about 30 years)	1.4	0.02	1.6 0.02		1.2 0.01		ND -		90		

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

I-131: approx. 0.71Bq/L, Cs-134: approx. 0.96Bq/L, Cs-137: approx. 1.0Bq/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.

^{* &}quot;ND" means the sampled data is below measurable limit.

Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore 1/3>

Reference

(Data summarized on December 29)

Place of Sampling	Minami-So	m offshore of 15 km offshore of nami-Souma Minami-Souma CityLower Layer		Ukedo-gawa	15 km offshore of Ukedo-gawa Upper Layer		15 km offshore of Ukedo-gawa Lower Layer		15 km offshore of Fukushima Daiichi Upper Layer		nore of Daiichi ayer	② Density limit by the announcement of Reactor Regulation	
Time of Sampling	Dec 27, 2 09:25 a		Dec 27, 2 09:25 a	_	Dec 27, 2 09:00 a		Dec 27, 2 09:00 a	-	Dec 27, 2 08:25 a		Dec 27, 2 08:25 a		(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
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	15 km offsh Fukushima Da Layer	ini Upper	15 km offshore of Fukushima Daini Lower Layer		15 km offshore of Iwasawa Shore Upper Layer		15 km offshore of Iwasawa Shore Lower Layer		15 km offshore of Hirono-town Upper Layer		15 km offshore of Hirono-town Lower Layer		② Density limit by the announcement of Reactor Regulation
Time of Sampling	Dec 27, 2 08:00 a		Dec 27, 2011 08:00 am		Dec 27, 2011 08:30 am		Dec 27, 2011 08:30 am		Dec 27, 2011 07:55 am		Dec 27, 2011 07:55 am		(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND		ND	-	ND	-	ND	ı	ND	-	ND		60
Cs-137 (about 30 years)	ND	-	ND	-	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.

^{* &}quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.69Bq/L, Cs-134: approx. 0.95Bq/L, Cs-137: approx. 1.1Bq/L

Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore 2/3>

Reference

(Data summarized on December 29)

Place of Sampling	3 km offshore o Iwaki Uppei		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		② Density limit by the announcement of Reactor Regulation
Time of Sampling	N/A	N/A N/A		N/A		N/A		Dec 27, 2011 06:10 am		Dec 27, 2011 06:10 am		(Bq/L) (the density limit in the	
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	-	-	-	-	-	-	-	-	ND	-	ND	-	40
Cs-134 (about 2 years)	-	-	-	-	-	-	-	-	ND	-	ND	-	60
Cs-137 (about 30 years)	-	-	-	-	-	-	-	-	ND	-	ND	-	90

Place of Sampling	3 km offshore Upper La		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		② Density limit by the announcement of Reactor Regulation
Time of Sampling	Dec 27, 2 06:20 a		Dec 27, 2011 06:20 am		N/A		N/A		N/A		N/A		(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	-	-	-	1	-	-	-	-	40
Cs-134 (about 2 years)	ND	-	ND	-	-	-	-	ı	-	ı	-	-	60
Cs-137 (about 30 years)	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.

^{* &}quot;ND" means the sampled data is below measurable limit.

I-131: approx. 0.77Bq/L, Cs-134: approx. 0.92Bq/L, Cs-137: approx. 1.0Bq/L

Nuclide Analysis Results of Radioactive Materials in Seawater < Offshore 3/3>

Reference

(Data summarized on December 29)

Place of Sampling		offshore of Souma 3 km offshore of Souma city Upper Layer City Lower Layer		5 km offshore of Souma City Upper Layer		5 km offshore of Souma City Lower Layer		5 km offshore of Kashima Upper Layer		5 km offshore of Kashima Lower Layer		② Density limit by the announcement of Reactor Regulation	
Time of Sampling	Dec 27, 2 07:40 a		Dec 27, 2011 07:40 am		Dec 27, 2011 07:15 am		Dec 27, 2011 07:15 am		Dec 27, 2011 06:55 am		Dec 27, 2011 06:55 am		(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	40
Cs-134 (about 2 years)	ND	1	ND	ı	ND	ı	ND	-	ND	-	ND	-	60
Cs-137 (about 30 years)	ND	-	ND	-	0.96	0.01	ND	-	ND	-	ND	-	90

Place of Sampling	5km Offsho Numanouch Layer	i Upper	5km Offshore of Numanouchi Lower Layer										② Density limit by the announcement of Reactor Regulation
Time of Sampling	Dec 27, 2 07:00 a		Dec 27, 2011 07:00 am										(Bq/L) (the density limit in the
Detected Nuclides (Half-life)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	①Density of Sample (Bq/L)	Scaling Factor (1)/2)	water outside of surrounding monitored areas in the section 6 of the appendix 2)
I-131 (about 8 days)	ND	-	ND	-									40
Cs-134 (about 2 years)	ND	-	ND	-									60
Cs-137 (about 30 years)	ND	-	ND	-									90

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

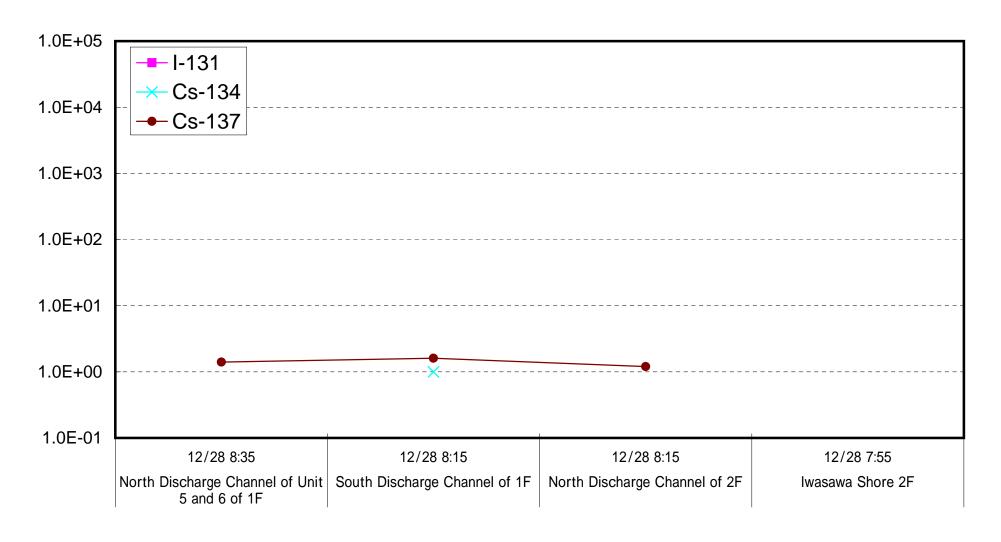
^{*} Data of other nuclides are under evaluation.

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

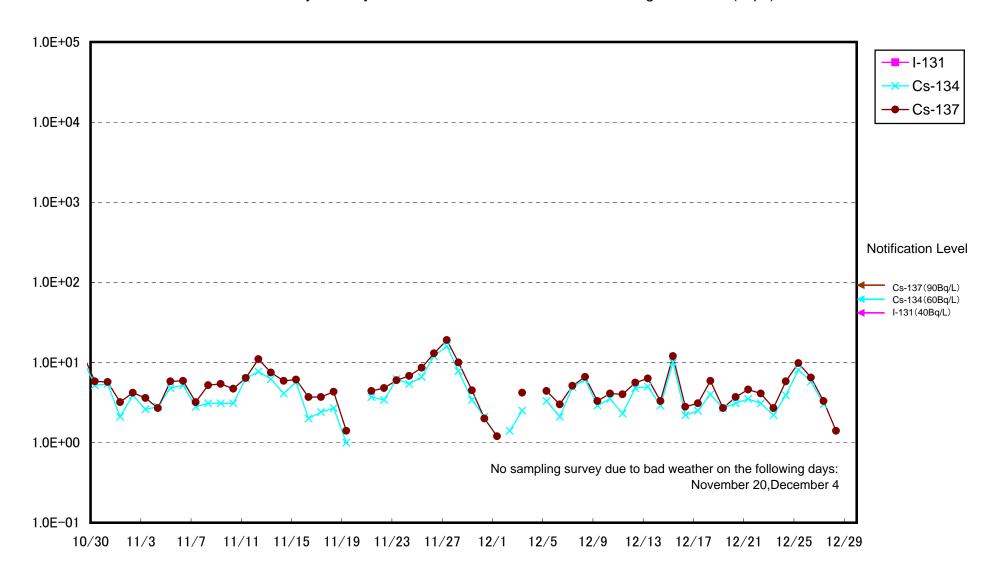
^{* &}quot;ND" means the sampled data is below measurable limit.

I-131: approx. 1.1Bq/L, Cs-134: approx. 0.93Bq/L, Cs-137: approx. 1.1Bq/L

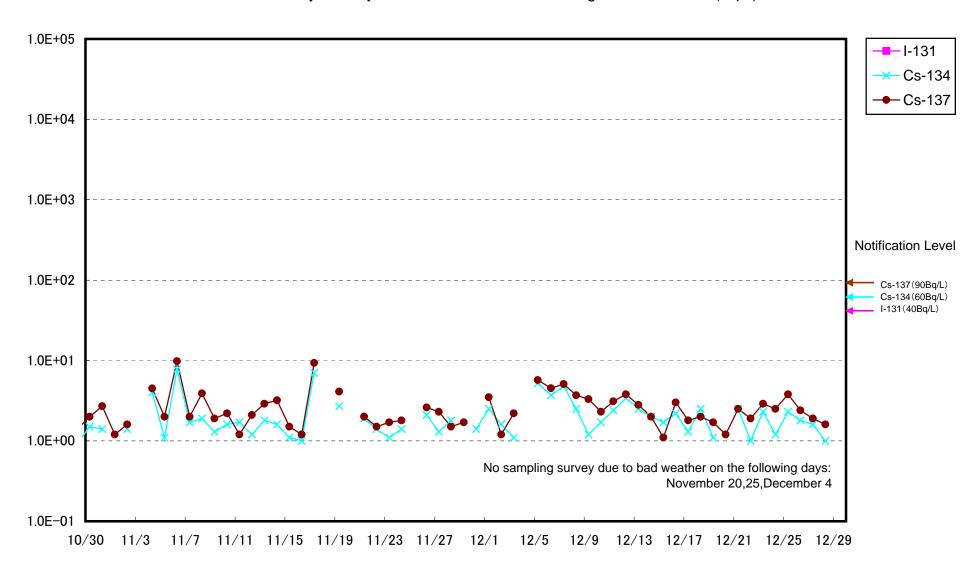
Radioactivity Density of Seawater (Bq/L)



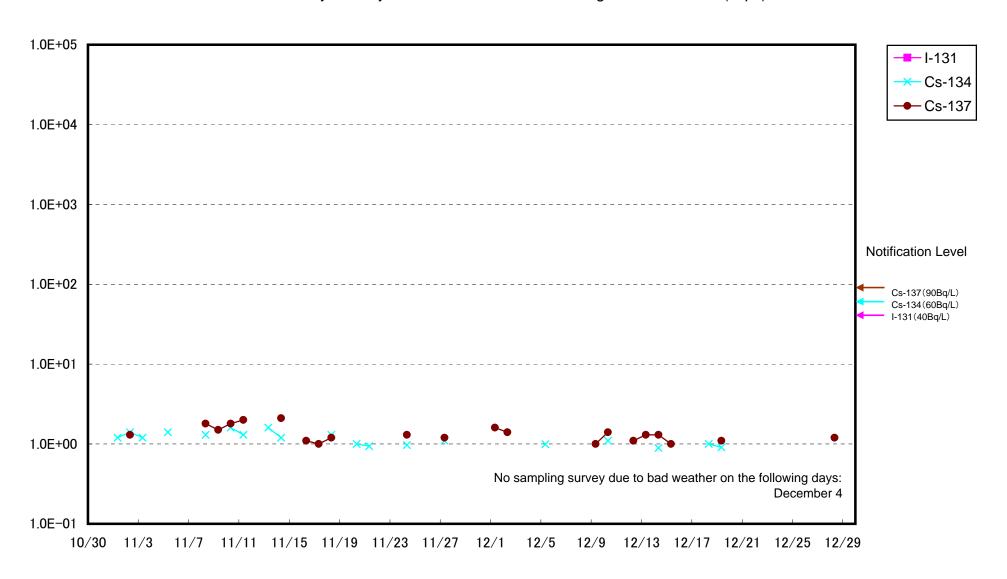
Radioactivity Density of Seawater at North of 1F5-6 Discharge Channel (Bq/L)



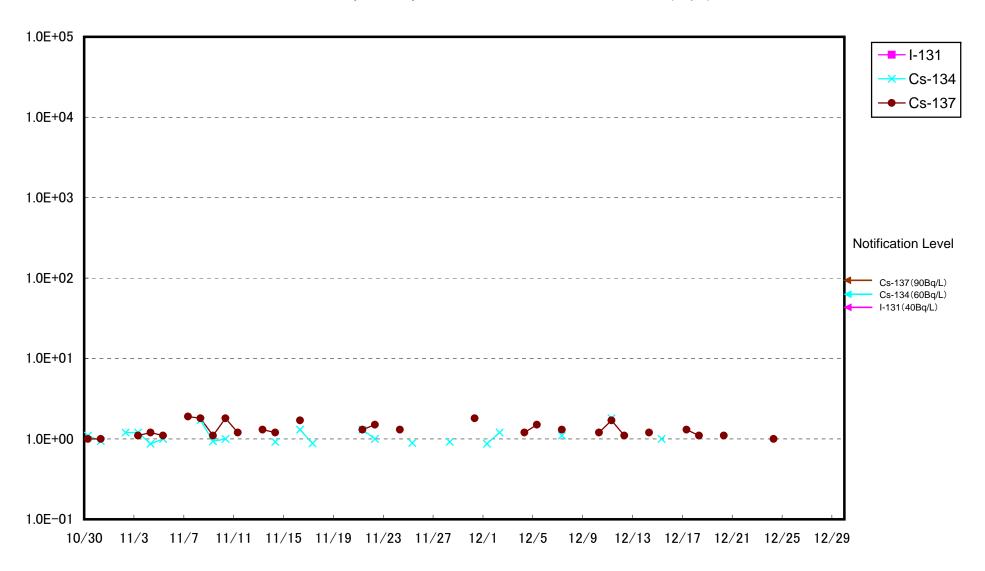
Radioactivity Density of Seawater at South Discharge Channel of 1F (Bq/L)



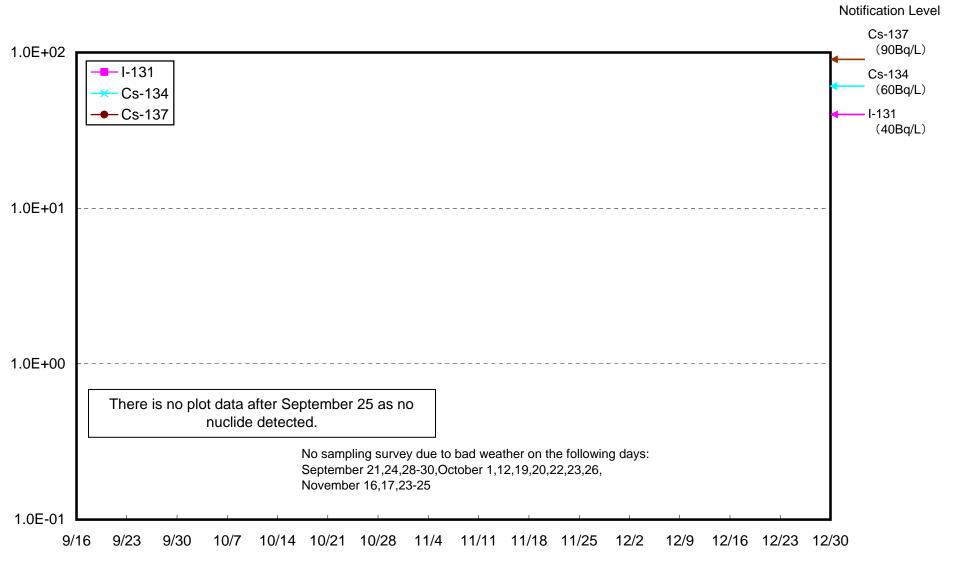
Radioactivity Density of Seawater at North Discharge Channel of 2F (Bq/L)



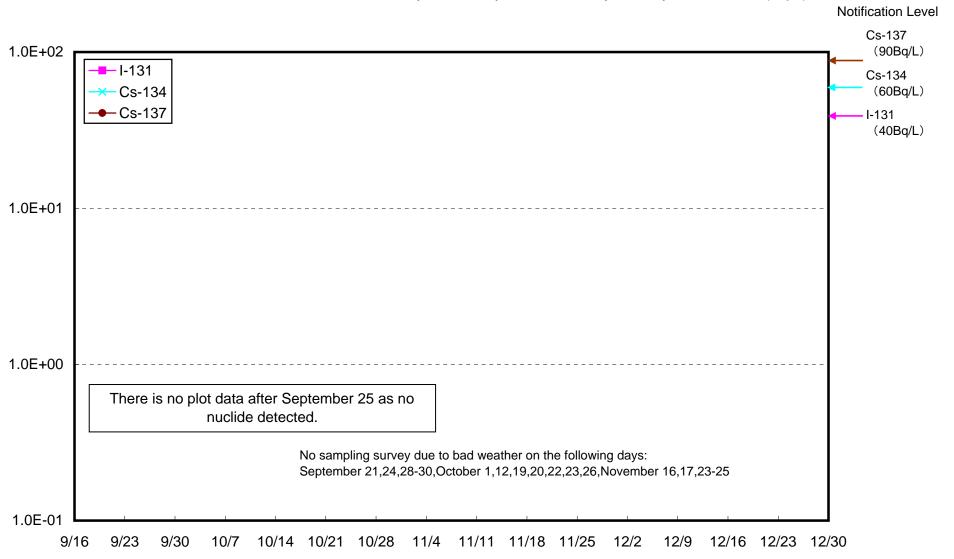
Radioactivity Density of Seawater at Iwasawa Shore 2F (Bq/L)











Radioactivity Density of Seawater (upper layer) around approx. 15 km offshore of Ukedo river (Bq/L)

