

**Nuclide Analysis Results of Fish and Shellfish**  
**(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <1/9>**  
**(excluding the port)**

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Blue crab (whole)	Around 1km Offshore of Ota River (T-S1)	October 5, 2018	ND(3.6)	ND(3.2)	ND
Common skete (muscle)	Around 1km Offshore of Ota River (T-S1)	October 5, 2019	ND(3.5)	ND(3.8)	ND
Drumfish (muscle)	Around 1km Offshore of Ota River (T-S1)	October 5, 2019	ND(3.3)	ND(3.5)	ND
Flatfish ① (muscle)	Around 1km Offshore of Ota River (T-S1)	October 5, 2019	ND(3.3)	ND(3.8)	ND
Flatfish ② (muscle)	Around 1km Offshore of Ota River (T-S1)	October 5, 2019	ND(3.5)	ND(3.2)	ND
Japanese amberjack (muscle)	Around 1km Offshore of Ota River (T-S1)	October 5, 2019	ND(3.3)	ND(3.8)	ND
Smooth dogfish (muscle)	Around 1km Offshore of Ota River (T-S1)	October 5, 2019	ND(3.8)	ND(3.6)	ND
Blue crab (whole)	Around 3km Offshore of Odaka Ward (T-S2)	October 5, 2019	ND(3.4)	ND(3.4)	ND
Common skete (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	October 5, 2019	ND(3.8)	3.8	3.8
Flatfish ① (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	October 5, 2019	ND(3.4)	ND(4.0)	ND

\*When analyzed results are less than detection limits of radioactivity concentrations, the values are showed as "ND." Detection limits of individual nuclides are shown in parenthesis.

\*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

\*Analyzed by: Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish  
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <2/9>  
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Flatfish ② (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	October 5, 2018	ND(3.9)	ND(3.9)	ND
Smooth dogfish (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	October 5, 2018	ND(4.0)	ND(3.3)	ND
Marbled sole (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	October 5, 2018	ND(3.5)	ND(3.4)	ND
Red sea bream (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	October 5, 2018	ND(3.9)	ND(3.3)	ND
Blue crab (whole)	Around 3km Offshore of Ukedo River (T-S3)	October 11, 2018	ND(3.3)	ND(3.1)	ND
Common skete (muscle)	Around 3km Offshore of Ukedo River (T-S3)	October 11, 2018	ND(4.1)	ND(3.8)	ND
Flatfish ① (muscle)	Around 3km Offshore of Ukedo River (T-S3)	October 11, 2018	ND(3.9)	ND(4.3)	ND
Flatfish ② (muscle)	Around 3km Offshore of Ukedo River (T-S3)	October 11, 2018	ND(3.6)	ND(3.3)	ND
Searobin (muscle)	Around 3km Offshore of Ukedo River (T-S3)	October 11, 2018	ND(4.1)	ND(3.6)	ND
Marbled sole (muscle)	Around 3km Offshore of Ukedo River (T-S3)	October 11, 2018	ND(3.6)	ND(4.0)	ND

\*When analyzed results are less than detection limits of radioactivity concentrations, the values are showed as "ND." Detection limits of individual nuclides are shown in parenthesis.

\*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

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Nuclide Analysis Results of Fish and Shellfish  
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <3/9>  
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Red sea bream (muscle)	Around 3km Offshore of Ukedo River (T-S3)	October 11, 2018	ND(4.5)	ND(4.0)	ND
Japanese angel shark (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	October 11, 2018	ND(3.8)	ND(3.7)	ND
Common skate (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	October 11, 2018	ND(3.7)	ND(3.6)	ND
Sebastes cheni (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	October 11, 2018	ND(3.3)	7.7	7.7
Crimson sea bream (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	October 11, 2018	ND(3.2)	ND(4.0)	ND
Microstomus achne (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	October 11, 2018	ND(3.5)	10	10
Flatfish ① (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	October 11, 2018	ND(4.1)	ND(3.4)	ND
Flatfish ② (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	October 11, 2018	ND(4.2)	ND(3.3)	ND
Searobin (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	October 11, 2018	ND(3.6)	ND(4.3)	ND
Stingray (muscle)	Around 2km Offshore of Kido River (T-S5)	October 23, 2018	ND(3.4)	4.8	4.8

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Nuclide Analysis Results of Fish and Shellfish  
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <4/9>  
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Schlegel's black rockfish (muscle)	Around 2km Offshore of Kido River (T-S5)	October 23, 2018	ND(3.5)	ND(4.1)	ND
Common skete (muscle)	Around 2km Offshore of Kido River (T-S5)	October 23, 2018	ND(3.0)	ND(4.1)	ND
Japanese angel shark (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	October 23, 2018	ND(3.7)	ND(4.5)	ND
Common skete (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	October 23, 2018	ND(4.0)	ND(3.8)	ND
Searobin (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	October 23, 2018	ND(4.1)	3.4	3.4
Blue crab (whole)	Around 4km Offshore of Kumagawa (T-S8)	October 18, 2018	ND(3.7)	ND(4.3)	ND
Common skete (muscle)	Around 4km Offshore of Kumagawa (T-S8)	October 18, 2018	ND(3.2)	ND(4.4)	ND
Flatfish (muscle)	Around 4km Offshore of Kumagawa (T-S8)	October 18, 2018	ND(2.9)	ND(3.7)	ND
Searobin (muscle)	Around 4km Offshore of Kumagawa (T-S8)	October 18, 2018	ND(3.4)	ND(3.7)	ND
Marbled sole (muscle)	Around 4km Offshore of Kumagawa (T-S8)	October 18, 2018	ND(3.3)	ND(4.2)	ND

\*When analyzed results are less than detection limits of radioactivity concentrations, the values are showed as "ND." Detection limits of individual nuclides are shown in parenthesis.

\*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

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Nuclide Analysis Results of Fish and Shellfish  
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <5/9>  
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Stone flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(4.0)	ND(3.7)	ND
Lepidotrigla microptena (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(4.0)	ND(3.2)	ND
Common skete (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(3.8)	ND(3.1)	ND
Globefish (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(3.8)	ND(3.9)	ND
Crimson sea bream (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(4.1)	ND(3.5)	ND
Flatfish (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(4.0)	ND(3.3)	ND
Searobin (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(3.3)	ND(3.3)	ND
Littlemouth flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(3.5)	ND(3.6)	ND
Marbled sole (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(3.4)	ND(3.5)	ND
Red sea bream (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(3.8)	ND(3.5)	ND

\*When analyzed results are less than detection limits of radioactivity concentrations, the values are showed as "ND." Detection limits of individual nuclides are shown in parenthesis.

\*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

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Nuclide Analysis Results of Fish and Shellfish  
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <6/9>  
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
John dory (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(3.8)	ND(3.4)	ND
Roundnose flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(3.1)	ND(3.2)	ND
Ridged-eye flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	October 16, 2018	ND(2.9)	ND(3.4)	ND
Stone flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.8)	5.9	5.9
Lepidotrigla microptena (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.3)	ND(3.8)	ND
Common skate (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(4.0)	ND(3.6)	ND
Hairtail (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(4.0)	ND(3.4)	ND
Crimson sea bream (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.2)	ND(4.1)	ND
Flatfish ① (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.2)	ND(3.7)	ND
Flatfish ② (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.7)	ND(3.4)	ND

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\*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

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Nuclide Analysis Results of Fish and Shellfish  
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <7/9>  
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Searobin (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.5)	ND(3.7)	ND
Smooth dogfish (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.9)	ND(3.8)	ND
Jack mackerel (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.6)	ND(3.4)	ND
Littlemouth flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.6)	3.6	3.6
Marbled sole (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.9)	ND(3.7)	ND
Red sea bream (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.4)	ND(3.3)	ND
John dory (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.5)	ND(3.6)	ND
Roundnose flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.1)	ND(3.7)	ND
Ridged-eye flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	October 16, 2018	ND(3.1)	ND(3.5)	ND
Stone flounder (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2018	ND(3.4)	ND(3.8)	ND

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\*Since April 1, 2012, the baseline is the sum of radioactivity concentrations of Cs-134 and Cs-137, which is 100Bq/kg.

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Nuclide Analysis Results of Fish and Shellfish  
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <8/9>  
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Common skete (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2018	ND(3.8)	4.6	4.6
Globefish (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2019	ND(3.5)	ND(3.3)	ND
Flatfish (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2020	ND(3.5)	ND(2.9)	ND
Searobin (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2021	ND(4.0)	ND(3.3)	ND
Smooth dogfish (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2022	ND(4.0)	ND(3.6)	ND
Marbled sole (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2023	ND(3.2)	ND(3.5)	ND
Red sea bream (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2024	ND(3.0)	ND(3.5)	ND
John dory (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	October 9, 2025	ND(3.4)	ND(4.5)	ND
Common skete (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	October 9, 2026	ND(3.0)	ND(3.4)	ND
Globefish (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	October 9, 2027	ND(4.4)	ND(4.2)	ND

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Nuclide Analysis Results of Fish and Shellfish  
(Ocean Area Within 20km Radius of Fukushima Daiichi Nuclear Power Station) <9/9>  
(excluding the port)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	CS (Sum)
Flatfish (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	October 9, 2018	ND(3.7)	4.6	4.6
Searobin (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	October 9, 2018	ND(3.4)	ND(3.7)	ND
Smooth dogfish (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	October 9, 2018	ND(3.9)	4.5	4.5
Ridged-eye flounder (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	October 9, 2018	ND(3.6)	ND(3.8)	ND

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