

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)	September 15, 2017	ND(3.8)	ND(3.1)	ND
Black rockfish (muscle)	Around 1km Offshore of Ota River (T-S1)	September 15, 2017	ND(3.7)	ND(3.9)	ND
Common skate (muscle)	Around 1km Offshore of Ota River (T-S1)	September 15, 2017	ND(2.9)	7.4	7.4
Drumfish (muscle)	Around 1km Offshore of Ota River (T-S1)	September 15, 2017	ND(3.3)	ND(3.6)	ND
Flatfish ① (muscle)	Around 1km Offshore of Ota River (T-S1)	September 15, 2017	ND(4.1)	ND(4.1)	ND
Flatfish ② (muscle)	Around 1km Offshore of Ota River (T-S1)	September 15, 2017	ND(3.8)	ND(3.1)	ND
Stingray (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(3.9)	ND(4.2)	ND
Stone flounder (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(4.4)	ND(3.5)	ND
Blue crab (whole)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(3.1)	ND(3.7)	ND
Spiny dogfish (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	5.3	34	39.3

*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)
Common skate (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(4.1)	ND(4.1)	ND
Flatfish ① (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(3.5)	ND(3.7)	ND
Flatfish ② (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(4.2)	4.5	4.5
Sea robin (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(3.2)	ND(3.7)	ND
Red sea bream (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(4.1)	ND(3.8)	ND
John Dory (muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 15, 2017	ND(4.4)	ND(3.9)	ND
Stingray (muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(3.5)	ND(3.2)	ND
Blue crab (whole)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(3.2)	ND(3.7)	ND
Spiny dogfish (muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(3.0)	11	11
Black rockfish (muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(3.5)	ND(3.6)	ND

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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)
Common skete (muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(4.1)	4.7	4.7
Drumfish (muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(4.5)	ND(3.7)	ND
Flatfish ①(muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(3.5)	ND(3.8)	ND
Flatfish ②(muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(3.8)	ND(3.1)	ND
Smooth dogfish (muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 7, 2017	ND(3.4)	ND(4.1)	ND
Stingray (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	September 7, 2017	ND(4.3)	ND(3.9)	ND
Stone flounder (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	September 7, 2017	ND(3.3)	ND(3.7)	ND
Blue crab (whole)	Around 3km Offshore of Fukushima Daiichi (T-S4)	September 7, 2017	ND(4.1)	ND(3.3)	ND
Spiny dogfish (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	September 7, 2017	ND(4.6)	27	27
Common skete (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	September 7, 2017	ND(3.6)	5.7	5.7

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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)
Flatfish ①(muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	September 7, 2017	ND(3.8)	ND(3.3)	ND
Flatfish ②(muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	September 7, 2017	ND(3.9)	ND(4.2)	ND
Sea robin (muscle)	Around 3km Offshore of Fukushima Daiichi (T-S4)	September 7, 2017	ND(3.6)	ND(4.4)	ND
Greeling (muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(3.2)	ND(3.9)	ND
Stingray (muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(3.5)	ND(3.8)	ND
Blue crab (whole)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(4.0)	ND(3.8)	ND
Spiny dogfish (muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(3.7)	23	23
Black rockfish (muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(3.3)	ND(3.0)	ND
Common skate (muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(3.9)	6.2	6.2
Requiem shark (muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(3.8)	ND(3.4)	ND

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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)
Flatfish ①(muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(4.1)	ND(4.2)	ND
Flatfish ②(muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(3.4)	ND(3.9)	ND
Sed sea bream (muscle)	Around 2km Offshore of Kido River (T-S5)	September 26, 2017	ND(3.2)	ND(4.0)	ND
Blue crab (whole)	Around 2km Offshore of Fukushima Daini (T-S7)	September 26, 2017	ND(3.4)	ND(3.2)	ND
Common skete (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	September 26, 2017	ND(4.3)	ND(3.9)	ND
Drumfish (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	September 26, 2017	ND(3.1)	ND(4.0)	ND
Flatfish (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	September 26, 2017	ND(3.9)	ND(3.9)	ND
Flathead (muscle)	Around 2km Offshore of Fukushima Daini (T-S7)	September 26, 2017	ND(4.1)	13	13
Blue crab (whole)	Around 4km Offshore of Kumagawa (T-S8)	September 13, 2017	ND(3.9)	ND(3.3)	ND
Common skete (muscle)	Around 4km Offshore of Kumagawa (T-S8)	September 13, 2017	ND(3.2)	ND(3.8)	ND

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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)
Flatfish (muscle)	Around 4km Offshore of Kumagawa (T-S8)	September 13, 2017	ND(3.4)	ND(3.4)	ND
Sea robin (muscle)	Around 4km Offshore of Kumagawa (T-S8)	September 13, 2017	ND(4.1)	ND(3.8)	ND
Stone flounder (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 8, 2017	ND(3.4)	ND(4.6)	ND
Gurnard (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 8, 2017	ND(4.0)	ND(3.6)	ND
Common skete (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 8, 2017	ND(3.2)	ND(3.6)	ND
Crimson sea bream (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 8, 2017	ND(4.0)	ND(3.6)	ND
Flatfish (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 8, 2017	ND(3.6)	ND(3.5)	ND
Marbled sole (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 8, 2017	ND(3.0)	4.3	4.3
John Dory (muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 8, 2017	ND(3.8)	ND(3.4)	ND
Stone flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 8, 2017	ND(3.7)	ND(3.3)	ND

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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)
Dory (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 13, 2017	ND(3.9)	ND(3.6)	ND
Gurnard (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 13, 2017	ND(2.7)	ND(3.5)	ND
Common skete (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 8, 2017	ND(3.8)	ND(3.3)	ND
Crimson sea bream (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 8, 2017	ND(3.3)	ND(3.2)	ND
Smooth dogfish (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 8, 2017	ND(3.7)	ND(3.9)	ND
Brown sole (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 13, 2017	ND(3.6)	ND(3.3)	ND
John Dory (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 13, 2017	ND(3.6)	ND(3.0)	ND
Roundnose flounder (muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 8, 2017	ND(3.3)	ND(3.8)	ND
Spiny dogfish (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	September 27, 2017	ND(3.9)	11	11
Common skete (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	September 27, 2017	ND(3.6)	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) <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)
Crimson sea bream (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	September 27, 2017	ND(3.7)	ND(3.7)	ND
Sea robin (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	September 27, 2017	ND(3.4)	ND(4.1)	ND
Smooth dogfish (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	September 27, 2017	ND(4.1)	ND(4.1)	ND
Marbled sole (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	September 27, 2017	ND(3.9)	4.1	4.1
John Dory (muscle)	Around 10km Offshore of Fukushima Daiichi (T-B3)	September 27, 2017	ND(3.3)	ND(3.9)	ND
Stone flounder (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(3.8)	ND(3.5)	ND
Gurnard (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(3.8)	ND(3.1)	ND
Common skete (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(4.1)	7.4	7.4
Crimson sea bream (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(3.7)	ND(3.7)	ND
Sea robin (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(3.9)	ND(4.0)	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)
Smooth dogfish (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(3.5)	ND(3.7)	ND
Marbled sole (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(3.6)	ND(3.8)	ND
Red sea bream (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(4.0)	ND(4.2)	ND
John Dory (muscle)	Around 10km Offshore of Fukushima Daini (T-B4)	September 27, 2017	ND(3.6)	ND(3.5)	ND

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