

**Nuclide Analysis Results of Fish and Shellfish**  
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 1/8 >  
 (Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on October 18)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Density [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	Total
Blue crab (Whole)	Around 1km Offshore of Ota River (T-S1)	September 6, 2013	ND	ND	ND
Common skete (Muscle)	Around 1km Offshore of Ota River (T-S1)	September 6, 2013	35	79	114
Drumfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	September 6, 2013	4.6	12	16.6
Ovalipes unctatus (Whole)	Around 1km Offshore of Ota River (T-S1)	September 6, 2013	ND	ND	ND
Flatfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	September 6, 2013	28	63	91
Blue crab (Whole)	Around 3km Offshore of Odaka Ward (T-S2)	September 6, 2013	ND	ND	ND
Common skete (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 6, 2013	19	46	65
Ovalipes unctatus (Whole)	Around 3km Offshore of Odaka Ward (T-S2)	September 6, 2013	ND	6.6	6.6
Flatfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 6, 2013	6.6	17	23.6
Smooth dogfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 6, 2013	3.5	8.4	11.9

\* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 3.9Bq/kg (Raw), Cs-137: Approx. 3.7Bq/kg (Raw)

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

\* Standard Value (after April 1, 2012) Cs-134+Cs-137: 100Bq/kg

\* Analyzed by Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish  
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 2/8 >  
 (Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on October 18)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Density [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	Total
Marbled sole (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 6, 2013	20	47	67
Carcharhinus (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	September 6, 2013	6.0	9.9	15.9
Stone flounder (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	ND	ND	ND
Blue crab (Whole)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	ND	ND	ND
Angel shark (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	29	75	104
Common skate (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	29	72	101
Drumfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	ND	5.1	5.1
Flatfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	ND	6.0	6.0
Sea robin (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	ND	7.0	7.0
Smooth dogfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	3.7	10	13.7

\* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 4.4Bq/kg (Raw), Cs-137: Approx. 4.0Bq/kg (Raw)

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

\* Standard Value (after April 1, 2012) Cs-134+Cs-137: 100Bq/kg

\* Analyzed by Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 3/8 >  
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on October 18)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Density [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	Total
Pagrus major (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	ND	4.9	4.9
Dory (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	September 13, 2013	3.6	6.1	9.7
Stingray (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	12	31	43
Blue crab (Whole)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	ND	ND	ND
Angel shark (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	21	39	60
Common skete (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	51	120	171
Drumfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	ND	9.7	9.7
Microstoms achne (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	19	48	67
Flatfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	11	17	28
Pagrus major (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	5.6	11	16.6

\* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 4.4Bq/kg (Raw), Cs-137: Approx. 3.6Bq/kg (Raw)

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

\* Standard Value (after April 1, 2012) Cs-134+Cs-137: 100Bq/kg

\* Analyzed by Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 4/8 >  
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on October 18)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Density [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	Total
Dory (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	ND	ND	ND
Carcharhinus (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	September 13, 2013	ND	7.7	7.7
Greenling (Muscle)	Around 2km Offshore of Kido River (T-S5)	September 20, 2013	18	47	65
Common skate (Muscle)	Around 2km Offshore of Kido River (T-S5)	September 20, 2013	28	79	107
Banded dogfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	September 20, 2013	33	79	112
Drumfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	September 20, 2013	4.4	12	16.4
Flatfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	September 20, 2013	22	52	74
Smooth dogfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	September 20, 2013	ND	6.1	6.1
Pagrus major (Muscle)	Around 2km Offshore of Kido River (T-S5)	September 20, 2013	ND	7.7	7.7
Greenling (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	September 20, 2013	15	38	53

\* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 4.5Bq/kg (Raw), Cs-137: Approx. 2.7Bq/kg (Raw)

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

\* Standard Value (after April 1, 2012) Cs-134+Cs-137: 100Bq/kg

\* Analyzed by Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 5/8 >  
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on October 18)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Density [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	Total
Common skete (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	September 20, 2013	23	51	74
Sebastes cheni (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	September 20, 2013	110	240	350
Drumfish (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	September 20, 2013	4.0	11	15
Flatfish (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	September 20, 2013	13	25	38
Marbled sole (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	September 20, 2013	11	22	33
Lepidotrigla microptera (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 24, 2013	ND	ND	ND
Common skete (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 24, 2013	16	36	52
Crimson sea bream (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 24, 2013	ND	ND	ND
Flatfish (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 24, 2013	9.7	20	29.7
Sea robin (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	September 24, 2013	ND	8.2	8.2

\* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 4.4Bq/kg (Raw), Cs-137: Approx. 3.7Bq/kg (Raw)

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

\* Standard Value (after April 1, 2012) Cs-134+Cs-137: 100Bq/kg

\* Analyzed by Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 6/8 >  
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on October 18)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Density [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	Total
Stone flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	7.6	7.6
Gnathopis nystromi nystromi (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	7.3	7.3
Common skete (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	33	65	98
Loliginid (Whole)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	ND	ND
Crimson sea bream (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	4.5	4.5
Flatfish (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	4.9	8.8	13.7
Sea robin (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	6.9	16	22.9
Smooth dogfish (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	7.0	7.0
Common horse mackerel (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	ND	ND
Littlemouth flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	7.6	7.6

\* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 4.4Bq/kg (Raw), Cs-137: Approx. 3.8Bq/kg (Raw)

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

\* Standard Value (after April 1, 2012) Cs-134+Cs-137: 100Bq/kg

\* Analyzed by Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 7/8 >  
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on October 18)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Density [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	Total
Dory (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	8.2	8.2
Ridged-eye flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	September 24, 2013	ND	ND	ND
Stone flounder (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	September 7, 2013	4.9	15	19.9
Lepidotrigla microptera (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	September 7, 2013	ND	4.1	4.1
Common skete (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	September 7, 2013	20	58	78
Flatfish (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	September 7, 2013	6.1	11	17.1
Smooth dogfish (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	September 7, 2013	ND	6.6	6.6
Marbled sole (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	September 7, 2013	4.1	10	14.1
Stone flounder (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	ND	9.8	9.8
Lepidotrigla microptera (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	ND	5.2	5.2

\* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 4.4Bq/kg (Raw), Cs-137: Approx. 3.8Bq/kg (Raw)

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

\* Standard Value (after April 1, 2012) Cs-134+Cs-137: 100Bq/kg

\* Analyzed by Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish  
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 8/8 >  
 (Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on October 18)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Density [Bq/kg (Raw)] (Half-life)		
			Cs-134 (Approx. 2 years)	Cs-137 (Approx. 30 years)	Total
Common skate (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	34	69	103
Crimson sea bream (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	ND	ND	ND
Flatfish (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	ND	6.5	6.5
Sea robin (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	ND	4.2	4.2
Smooth dogfish (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	6.6	14	20.6
Marbled sole (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	9.7	14	23.7
Dory (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	September 7, 2013	ND	ND	ND

\* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

Cs-134: Approx. 4.3Bq/kg (Raw), Cs-137: Approx. 3.7Bq/kg (Raw)

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

\* Standard Value (after April 1, 2012) Cs-134+Cs-137: 100Bq/kg

\* Analyzed by Tokyo Power Technology Ltd.