

Nuclide Analysis Results of Fish and Shellfish
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 1/11 >
(Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Northern dogfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	6.2	12	18.2
Lophius litilon (Whole)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	15	33	48
Sea raven (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	9.6	20	29.6
Common skate (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	48	100	148
Microstoms achne (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	58	120	178
Ovalipes unctatus (Whole)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	ND	ND	ND
Flatfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	16	31	47
Spotted halibut (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	ND	ND	ND
Marbled sole (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	52	100	152
Pacific cod (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	5.4	12	17.4

* 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. 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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 2/11 >
(Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Barfin flounder (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	April 24, 2013	4.8	13	17.8
Greenling (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	43	88	131
Northern dogfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	6.5	12	18.5
Stone flounder (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	10	18	28
Schlegel's black rockfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	ND	5.2	5.2
Common skate (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	70	150	220
Microstoms achne (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	130	260	390
Ovalipes unctatus (Whole)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	ND	ND	ND
Flatfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	11	26	37
Marbled sole (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	47	87	134

* 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. 3.6Bq/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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 3/11 >
 (Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Pacific cod (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	April 24, 2013	11	23	34
Stingray (Muscle)	Around 2km Offshore of Kido River (T-S5)	April 20, 2013	6.2	13	19.2
Northern dogfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	April 20, 2013	ND	ND	ND
Schlegel's black rockfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	April 20, 2013	63	110	173
Common skate (Muscle)	Around 2km Offshore of Kido River (T-S5)	April 20, 2013	60	130	190
Microstoms achne (Muscle)	Around 2km Offshore of Kido River (T-S5)	April 20, 2013	110	190	300
Flatfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	April 20, 2013	14	25	39
Greenling (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	100	200	300
Northern dogfish (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	ND	ND	ND
Lophius litilon (Whole)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 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. 4.4Bq/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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 4/11 >
 (Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Schlegel's black rockfish (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	150	270	420
Common skate (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	83	150	233
Sea bass (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	170	360	530
Drumfish (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	6.2	17	23.2
Microstoms achne (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	120	210	330
Flatfish (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	32	53	85
Marbled sole (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	April 20, 2013	36	72	108
Northern dogfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	April 23, 2013	ND	ND	ND
Blue crab (Whole)	Around 4km Offshore of Kumagawa (T-S8)	April 23, 2013	ND	ND	ND
Lophius litilon (Whole)	Around 4km Offshore of Kumagawa (T-S8)	April 23, 2013	ND	6.5	6.5

* 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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 5/11 >
 (Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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 4km Offshore of Kumagawa (T-S8)	April 23, 2013	77	160	237
Sea bass (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	April 23, 2013	130	240	370
Ovalipes unctatus (Whole)	Around 4km Offshore of Kumagawa (T-S8)	April 23, 2013	ND	6.2	6.2
Marbled sole (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	April 23, 2013	69	130	199
Pacific cod (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	April 23, 2013	8.2	13	21.2
Greenling (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	11	31	42
Stone flounder (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	39	83	122
Lepidotrigla microptera (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	ND	ND	ND
Lophius litilon (Whole)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	ND	ND	ND
Crimson sea bream (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	ND	4.0	4.0

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

Cs-134: Approx. 4.1Bq/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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 6/11 >
(Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Microstoms achne (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	7.5	16	23.5
Common Japanese conger (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	5.3	12	17.3
Littlemouth flounder (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	4.8	9.5	14.3
Marbled sole (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	11	20	31
Pacific cod (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	11	20	31
Octopus dofleini (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	April 19, 2013	ND	ND	ND
Greenling (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	5.8	5.8
Striped jewfish (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	ND	ND
Lepidotrigla microptera (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	ND	ND
Lophius litilon (Whole)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 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. 4.4Bq/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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 7/11 >
 (Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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 18km Offshore of Ukedo River (T-B2)	April 19, 2013	30	44	74
Loliginid (Whole)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	ND	ND
Crimson sea bream (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	ND	ND
Microstoms achne (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	10	21	31
Flatfish (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	23	46	69
Common Japanese conger (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	5.1	5.1
Littlemouth flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	5.9	5.9
Marbled sole (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	10	17	27
Pacific cod (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	8.6	8.6
Octopus dofleini (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 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. 4.1Bq/kg (Raw), Cs-137: Approx. 4.3Bq/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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 8/11 >
(Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Roundnose flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	4.8	4.8
Ridged-eye flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	ND	ND
Loligo bleekeri (Whole)	Around 18km Offshore of Ukedo River (T-B2)	April 19, 2013	ND	ND	ND
Greenling (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	30	63	93
Stone flounder (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	13	25	38
Lepidotrigla microptera (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	ND	4.6	4.6
Common skete (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	43	86	129
Sea bass (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	5.6	13	18.6
Crimson sea bream (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	ND	ND	ND
Microstoms achne (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	92	180	272

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

Cs-134: Approx. 4.1Bq/kg (Raw), Cs-137: Approx. 4.3Bq/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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 9/11 >
 (Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Flatfish (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	22	51	73
Common Japanese conger (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	13	27	40
Marbled sole (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	150	280	430
Pacific cod (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	7.2	18	25.2
Octopus dofleini (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	April 16, 2013	ND	ND	ND
Greenling (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	11	18	29
Lepidotrigla microptera (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	3.5	6.7	10.2
Lophius litilon (Whole)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	ND	ND	ND
Sea raven (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	5.4	16	21.4
Common skate (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	55	110	165

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

Cs-134: Approx. 4.0Bq/kg (Raw), Cs-137: Approx. 4.2Bq/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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 10/11 >
(Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Loliginid (Whole)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	ND	ND	ND
Sea bass (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	5.4	10	15.4
Crimson sea bream (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	ND	4.6	4.6
Microstoms achne (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	ND	8.4	8.4
Flatfish (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	15	21	36
Littlemouth flounder (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	6.2	8.0	14.2
Marbled sole (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	5.8	8.1	13.9
Pacific cod (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	12	18	30
Octopus dofleini (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	ND	ND	ND
Roundnose flounder (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 2013	ND	3.7	3.7

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

Cs-134: Approx. 4.9Bq/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 Electric Power Environmental Engineering Co., Inc.

Nuclide Analysis Results of Fish and Shellfish
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 11/11 >
 (Exclude in the port of Fukushima Daiichi NPS)

(Data summarized on May 17)

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
Loligo bleekeri (Whole)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	April 16, 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. 4.0Bq/kg (Raw), Cs-137: Approx. 4.4Bq/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 Electric Power Environmental Engineering Co., Inc.