

Nuclide Analysis Results of Fish and Shellfish
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 1/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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
Greenling (Muscle)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	11	22	33
Stone flounder (Muscle)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	15	28	43
Lophius litilon (Whole)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	ND	ND	ND
Schlegel's black rockfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	36	85	121
Common skate (Muscle)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	26	51	77
Drumfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	6.6	11	17.6
Microstoms achne (Muscle)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	5.9	18	23.9
Ovalipes unctatus (Whole)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	ND	ND	ND
Flatfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	9.8	23	32.8
Marbled sole (Muscle)	Around 1km Offshore of Ota River (T-S1)	June 7, 2013	9.6	21	30.6

* 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. 4.1Bq/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) < 2/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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
Greenling (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	June 7, 2013	20	41	61
Common skete (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	June 7, 2013	31	83	114
Pennahia argentata (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	June 7, 2013	ND	7.2	7.2
Microstoms achne (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	June 7, 2013	19	37	56
Flatfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	June 7, 2013	14	38	52
Dasyatis matsubara (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	June 7, 2013	12	26	38
Marbled sole (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	June 7, 2013	22	43	65
Stone flounder (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	June 18, 2013	ND	ND	ND
Lophius litilon (Whole)	Around 3km Offshore of Ukedo River (T-S3)	June 18, 2013	ND	ND	ND
Common skete (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	June 18, 2013	48	93	141

* 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. 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) < 3/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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 3km Offshore of Ukedo River (T-S3)	June 18, 2013	33	72	105
Ovalipes unctatus (Whole)	Around 3km Offshore of Ukedo River (T-S3)	June 18, 2013	ND	ND	ND
Flatfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	June 18, 2013	13	24	37
Marbled sole (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	June 18, 2013	10	20	30
Stone flounder (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	18	35	53
Lepidotrigla microptera (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	ND	4.2	4.2
Lophius litilon (Whole)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	ND	5.9	5.9
Schlegel's black rockfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	54	95	149
Common skete (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	55	120	175
Sea bass (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 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. 4.3Bq/kg (Raw), Cs-137: Approx. 3.9Bq/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) < 4/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	51	110	161
Flatfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	7.1	14	21.1
Sea robin (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	ND	4.8	4.8
Dasyatis matsubara (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	39	90	129
Littlemouth flounder (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	7.8	13	20.8
Marbled sole (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	12	21	33
Pagrus major (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	6.0	9.5	15.5
Roundnose flounder (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	June 18, 2013	ND	7.7	7.7
Greenling (Muscle)	Around 2km Offshore of Kido River (T-S5)	June 15, 2013	9.8	16	25.8
Common skate (Muscle)	Around 2km Offshore of Kido River (T-S5)	June 15, 2013	59	130	189

* 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)

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) < 5/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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
Banded dogfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	June 15, 2013	33	57	90
Microstoms achne (Muscle)	Around 2km Offshore of Kido River (T-S5)	June 15, 2013	61	120	181
Flatfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	June 15, 2013	23	50	73
Smooth dogfish (Muscle)	Around 2km Offshore of Kido River (T-S5)	June 15, 2013	4.4	11	15.4
Greenling (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	June 15, 2013	43	110	153
Schlegel's black rockfish (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	June 15, 2013	220	450	670
Microstoms achne (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	June 15, 2013	66	150	216
Flatfish (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	June 15, 2013	19	51	70
Marbled sole (Muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	June 15, 2013	68	150	218
Northern dogfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 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. 3.5Bq/kg (Raw), Cs-137: Approx. 2.9Bq/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) < 6/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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
Stone flounder (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	12	21	33
Lepidotrigla microptera (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	4.8	9.8	14.6
Lophius litilon (Whole)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	ND	ND	ND
Common skete (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	37	68	105
Microstoms achne (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	24	44	68
Flatfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	33	76	109
Sea robin (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	8.2	14	22.2
Dasyatis matsubara (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	ND	5.2	5.2
Marbled sole (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	36	88	124
Chub mackerel (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	June 24, 2013	ND	4.2	4.2

* 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. 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) < 7/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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 4km Offshore of Kumagawa (T-S8)	June 24, 2013	5.1	9.8	14.9
Stone flounder (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	June 26, 2013	10	20	30
Lepidotrigla microptera (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	June 26, 2013	ND	5.0	5.0
Loliginid (Whole)	Around 15km Offshore of Odaka Ward (T-B1)	June 26, 2013	ND	ND	ND
Microstoms achne (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	June 26, 2013	ND	6.6	6.6
Flatfish (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	June 26, 2013	5.5	11	16.5
Littlemouth flounder (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	June 26, 2013	ND	5.0	5.0
Loligo bleekeri (Whole)	Around 15km Offshore of Odaka Ward (T-B1)	June 26, 2013	ND	ND	ND
Greenling (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	3.6	6.6	10.2
Sea raven (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	9.2	14	23.2

* 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. 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

* Analysis at T-B1 was performed by Tokyo Electric Power Environmental Engineering Co., Inc.

Analysis at T-B2 was performed by Tokyo Power Technology Ltd.

Nuclide Analysis Results of Fish and Shellfish
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 8/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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
Pennahia argentata (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	ND	ND	ND
Loliginid (Whole)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	ND	ND	ND
Microstoms achne (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	6.6	11	17.6
Flatfish (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	3.8	5.9	9.7
Littlemouth flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	ND	6.0	6.0
Marbled sole (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	9.6	18	27.6
Octopus dofleini (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	ND	ND	ND
Roundnose flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	June 26, 2013	ND	ND	ND
Greenling (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	14	28	42
Stone flounder (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	8.9	16	24.9

* 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

* Analysis at T-B2 was performed by Tokyo Power Technology Ltd.

Analysis at T-B3 was performed 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) < 9/10 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	36	59	95
Microstomus achne (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	22	37	59
Flatfish (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	27	58	85
Littlemouth flounder (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	ND	8.2	8.2
Marbled sole (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	22	46	68
Pacific cod (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	ND	4.2	4.2
Roundnose flounder (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	June 9, 2013	ND	6.2	6.2
Greenling (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B4)	June 9, 2013	14	38	52
Lepidotrigla microptera (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B4)	June 9, 2013	ND	ND	ND
Sea raven (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B4)	June 9, 2013	ND	5.6	5.6

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

Cs-134: Approx. 4.7Bq/kg (Raw), Cs-137: Approx. 3.9Bq/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) < 10/10 >
 (Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on July 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 10km Offshore of Fukushima Daini NPS (T-B4)	June 9, 2013	23	51	74
Microstoms achne (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	June 9, 2013	26	53	79
Flatfish (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	June 9, 2013	5.8	13	18.8
Littlemouth flounder (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	June 9, 2013	ND	ND	ND
Pacific cod (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	June 9, 2013	5.6	11	16.6
Roundnose flounder (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	June 9, 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. 4.3Bq/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 Electric Power Environmental Engineering Co., Inc.