

## Nuclide Analysis Results of Fish and Shellfish (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 1/5 >

(Data summarized on August 21)

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)	August 1, 2012	9,800	16,000	25,800
Stingray (Muscle)	Around 1km Offshore of Ota River (T-S1)	August 1, 2012	53	91	144
Blue crab (Whole)	Around 1km Offshore of Ota River (T-S1)	August 1, 2012	8.7	14	22.7
Common Skete (Muscle)	Around 1km Offshore of Ota River (T-S1)	August 1, 2012	100	160	260
Sea bass (Muscle)	Around 1km Offshore of Ota River (T-S1)	August 1, 2012	29	39	68
Drumfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	August 1, 2012	25	49	74
Carcharhinus (Muscle)	Around 1km Offshore of Ota River (T-S1)	August 1, 2012	11	16	27
Flatfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	August 1, 2012	29	45	74
Northern dogfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	8.7	16	24.7
Blue crab (Whole)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	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. 4.3Bq/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) < 2/5 >

(Data summarized on August 21)

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 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	91	150	241
Banded dogfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	8.3	16	24.3
Ovalipes punctatus (Whole)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	4.5	8.0	12.5
Flatfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	52	78	130
Dasyatis matsubarai (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	37	51	88
Smooth dogfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	9.7	20	29.7
Marbled sole (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	8.3	13	21.3
Pagrus major (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	August 1, 2012	17	21	38
Greenling (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	93	130	223
Northern dogfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	ND	ND	ND

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

Cs-134: Approx. 3.9Bq/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) < 3/5 >

(Data summarized on August 21)

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 3km Offshore of Ukedo River (T-S3)	July 18, 2012	3.9	8.6	12.5
Schlegel's black rockfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	180	310	490
Common Skete (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	110	160	270
Microstomus achne (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	110	190	300
Ovalipes punctatus (Whole)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	ND	5.7	5.7
Flatfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	95	150	245
Yellowtail (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	ND	4.3	4.3
Dasyatis matsubara (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	ND	ND	ND
Marbled sole (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	36	63	99
Pagrus major (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	July 18, 2012	11	13	24

\* 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) < 4/5 >

(Data summarized on August 21)

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 Fukushima Daiichi NPS (T-S4)	July 18, 2012	83	130	213
Northern dogfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	July 18, 2012	ND	ND	ND
Common Skete (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	July 18, 2012	140	210	350
Sea bass (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	July 18, 2012	98	150	248
Microstomus achne (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	July 18, 2012	170	270	440
Flatfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	July 18, 2012	24	41	65
Sea robin (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	July 18, 2012	22	41	63
Dasyatis matsubara (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	July 18, 2012	27	39	66
Marbled sole (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	July 18, 2012	100	150	250
Northern dogfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	ND	ND	ND

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

Cs-134: Approx. 3.9Bq/kg (Raw), Cs-137: Approx. 4.6Bq/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) < 5/5 >

(Data summarized on August 21)

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 4km Offshore of Kumagawa (T-S8)	July 23, 2012	160	270	430
Microstomus achne (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	150	230	380
Flatfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	61	92	153
Yellowtail (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	ND	4.5	4.5
Sea robin (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	43	64	107
Dasyatis matsubara (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	ND	ND	ND
Smooth dogfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	16	24	40
Marbled sole (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	71	120	191
Flathead (Platycephalus sp.) (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	July 23, 2012	67	120	187

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

Cs-134: Approx. 4.8Bq/kg (Raw), Cs-137: Approx. 3.3Bq/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.