

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 June 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
Northern dogfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	ND	6.8	6.8
Stone flounder (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	ND	ND	ND
Striped jewfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	ND	ND	ND
Lophius litilon (Whole)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	ND	5.9	5.9
Schlegel's black rockfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	32	71	103
Common skete (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	34	89	123
Microstoms achne (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	37	75	112
Ovalipes unctatus (Whole)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	3.8	5.6	9.4
Flatfish (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	ND	6.3	6.3
Sea robin (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	4.8	11	15.8

* 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. 4.0Bq/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) < 2/8 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on June 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
Marbled sole (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	17	32	49
Pacific cod (Muscle)	Around 3km Offshore of Ukedo River (T-S3)	May 21, 2013	4.7	11	15.7
Northern dogfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	ND	ND	ND
Stone flounder (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	8.6	20	28.6
Blue crab (Whole)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	ND	ND	ND
Lepidotrigla microptera (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	6.7	15	21.7
Lophius litilon (Whole)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	3.8	7.2	11
Common skate (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	50	110	160
Microstoms achne (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	58	110	168
Ovalipes unctatus (Whole)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 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. 4.1Bq/kg (Raw), Cs-137: Approx. 4.5Bq/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) < 3/8 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on June 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
Flatfish (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	25	45	70
Sea robin (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	7.3	15	22.3
Marbled sole (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	14	31	45
Pacific cod (Muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	May 21, 2013	ND	6.0	6.0
Northern dogfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	ND	ND	ND
Stone flounder (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	ND	5.2	5.2
Lepidotrigla microptera (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	5.9	12	17.9
Lophius litilon (Whole)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	ND	7.6	7.6
Schlegel's black rockfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	ND	4.4	4.4
Common skate (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	67	140	207

* 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. 4.3Bq/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) < 4/8 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on June 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
Pennahia argentata (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	5.9	10	15.9
Microstoms achne (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	56	100	156
Flatfish (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	12	35	47
Sea robin (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	7.1	15	22.1
Marbled sole (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	54	91	145
Pacific cod (Muscle)	Around 4km Offshore of Kumagawa (T-S8)	May 24, 2013	5.0	10	15
Greenling (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	ND	ND	ND
Stone flounder (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	11	20	31
Lepidotrigla microptera (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	ND	5.3	5.3
Common skete (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	21	36	57

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

Cs-134: Approx. 4.2Bq/kg (Raw), Cs-137: Approx. 3.2Bq/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) < 5/8 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on June 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
Microstoms achne (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	8.0	18	26
Flatfish (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	4.6	10	14.6
Sea robin (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	ND	ND	ND
Littlemouth flounder (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	ND	ND	ND
Marbled sole (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	7.3	16	23.3
Pacific cod (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	ND	6.8	6.8
Roundnose flounder (Muscle)	Around 15km Offshore of Odaka Ward (T-B1)	May 31, 2013	ND	ND	ND
Greenling (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	5.7	13	18.7
Lepidotrigla microptera (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	ND	ND	ND
Common skete (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	27	73	100

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

Cs-134: Approx. 5.3Bq/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) < 6/8 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on June 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
Pennahia argentata (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	ND	6.1	6.1
Loliginid (Whole)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	ND	ND	ND
Microstoms achne (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	8.2	15	23.2
Flatfish (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	12	33	45
Littlemouth flounder (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	6.5	13	19.5
Marbled sole (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	8.3	19	27.3
Pacific cod (Muscle)	Around 18km Offshore of Ukedo River (T-B2)	May 31, 2013	4.9	14	18.9
Greenling (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	May 25, 2013	18	34	52
Lepidotrigla microptera (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	May 25, 2013	ND	ND	ND
Common skete (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	May 25, 2013	32	73	105

* 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. 4.2Bq/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) < 7/8 >
(Exclude in the Port of Fukushima Daiichi NPS)

(Data summarized on June 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
Loliginid (Whole)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	May 25, 2013	ND	ND	ND
Microstoms achne (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	May 25, 2013	23	49	72
Flatfish (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	May 25, 2013	22	43	65
Littlemouth flounder (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	May 25, 2013	ND	9.9	9.9
Marbled sole (Muscle)	Around 10km Offshore of Fukushima Daiichi NPS (T-B3)	May 25, 2013	8.6	22	30.6
Greenling (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	13	29	42
Lepidotrigla microptera (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	ND	5.1	5.1
Lophius litilon (Whole)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	ND	ND	ND
Common skete (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	61	150	211
Loliginid (Whole)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 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. 4.4Bq/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.

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 June 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
Microstoms achne (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	16	34	50
Flatfish (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	ND	5.3	5.3
Common Japanese conger (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	ND	ND	ND
Littlemouth flounder (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	ND	4.6	4.6
Marbled sole (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	10	19	29
Octopus dofleini (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 2013	ND	ND	ND
Roundnose flounder (Muscle)	Around 10km Offshore of Fukushima Daini NPS (T-B4)	May 25, 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. 4.6Bq/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.