

## Nuclide Analysis Results of Fish and Shellfish (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 1/9 >

(Data summarized on April 26)

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)	April 12, 2013	7.3	21	28.3
Lophius litilon (Whole)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	ND	ND	ND
Snailfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	ND	ND	ND
Schlegel's black rockfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	120	250	370
Common skate (Muscle)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	33	67	100
Sea bass (Muscle)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	52	130	182
Microstoms achne (Muscle)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	16	35	51
Ovalipes unctatus (Whole)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	ND	ND	ND
Flatfish (Muscle)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	23	45	68
Pacific cod (Muscle)	Around 1km Offshore of Ota River (T-S1)	April 12, 2013	6.7	10	16.7

\* 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. 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) < 2/9 >

(Data summarized on April 26)

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)	April 12, 2013	13	33	46
Northern dogfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	April 12, 2013	ND	ND	ND
Sea raven (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	April 12, 2013	17	33	50
Common skete (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	April 12, 2013	27	62	89
Microstoms achne (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	April 12, 2013	27	49	76
Flatfish (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	April 12, 2013	12	29	41
Spotted halibut (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	April 12, 2013	ND	ND	ND
Marbled sole (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	April 12, 2013	35	74	109
Pacific cod (Muscle)	Around 3km Offshore of Odaka Ward (T-S2)	April 12, 2013	7.8	24	31.8
Sebastes cheni (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 9, 2013	25000	46000	71000

\* 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

\* Analysis at T-S2 was conducted 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) < 3/9 >

(Data summarized on April 26)

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) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 9, 2013	1000	1900	2900
Greenling (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 12, 2013	7100	13000	20100
Common skete (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 12, 2013	1200	2100	3300
Sebastes cheni (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 12, 2013	21000	39000	60000
Sebastes cheni (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 12, 2013	76000	140000	216000
Marbled sole (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 12, 2013	11000	20000	31000
Flathead (Platycephalus sp.) (Muscle)	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 12, 2013	670	1300	1970
Greenling (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 15, 2013	2900	5400	8300
Common skete (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 15, 2013	1300	2500	3800
Sebastes cheni (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 15, 2013	17000	32000	49000

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

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 4/9 >

(Data summarized on April 26)

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) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 15, 2013	7200	13000	20200
Sea raven (Muscle)	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 16, 2013	280	520	800
Common skate (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 16, 2013	600	1100	1700
Sebastes cheni (Muscle) No.5	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 16, 2013	14000	25000	39000
Spotbelly rockfish (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 16, 2013	61000	110000	171000
Greenling (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 22, 2013	6100	11000	17100
Embiotocidae (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 22, 2013	340	630	970
Acanthopagrus schlegeli (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 22, 2013	880	1700	2580
Sebastes cheni (Muscle) No.6	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 22, 2013	43000	79000	122000
Microstoms achne (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 22, 2013	150	270	420

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

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 5/9 >

(Data summarized on April 26)

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) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 22, 2013	14000	27000	41000
Tribolodon brandtii (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 22, 2013	13000	24000	37000
Tribolodon brandtii (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 22, 2013	210	390	600
Schlegel's black rockfish (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 23, 2013	6300	12000	18300
Acanthopagrus schlegeli (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 23, 2013	1600	2800	4400
Sebastes cheni (Muscle) No.7	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 23, 2013	38000	71000	109000
Embiotocidae (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 25, 2013	360	630	990
Sebastes cheni (Muscle) No.8	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 25, 2013	11000	20000	31000
Microstoms achne (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 25, 2013	60000	110000	170000
Striped mullet (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 25, 2013	45	88	133

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

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 6/9 >

(Data summarized on April 26)

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
Embiotocidae (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 26, 2013	130	300	430
Brown hakeling (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 26, 2013	740	1300	2040
Sebastes cheni (Muscle) No.9	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 26, 2013	41000	78000	119000
Sebastes cheni (Muscle) No.10	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 26, 2013	40000	75000	115000
Microstoms achne (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 26, 2013	6800	13000	19800
Flatfish (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 26, 2013	170	210	380
Sebastes cheni (Muscle) No.11	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 27, 2013	37000	70000	107000
Sebastes cheni (Muscle) No.12	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 27, 2013	39000	75000	114000
Marbled sole (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 27, 2013	260	500	760
Tribolodon brandtii (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	March 27, 2013	8500	16000	24500

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

Nuclide Analysis Results of Fish and Shellfish  
(The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 7/9 >

(Data summarized on April 26)

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
Sebastes cheni (Muscle) No.13	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	April 9, 2013	13000	25000	38000
Schlegel's black rockfish (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	April 11, 2013	22000	42000	64000
Sebastes cheni (Muscle) No.14	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	April 11, 2013	31000	59000	90000
Drumfish (Muscle)	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	April 11, 2013	46	59	105
Marbled sole (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	April 11, 2013	2200	4100	6300
Greenling (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Shallow Draft Quay)	March 26, 2013	41000	77000	118000
Greenling (Muscle) No.5	In the Port of Fukushima Daiichi NPS (Around the Shallow Draft Quay)	April 10, 2013	56000	110000	166000
Striped mullet (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Shallow Draft Quay)	April 10, 2013	440	850	1290
Common Japanese conger (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Shallow Draft Quay)	April 10, 2013	490	860	1350
Greenling (Muscle) No.6	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	March 26, 2013	63000	120000	183000

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

**Nuclide Analysis Results of Fish and Shellfish**  
 (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) < 8/9 >

(Data summarized on April 26)

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
Spotbelly rockfish (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	March 26, 2013	67000	120000	187000
Greenling (Muscle) No.7	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	April 10, 2013	12000	23000	35000
Brown hakeling (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	April 10, 2013	2300	4300	6600
Marbled sole (Muscle) No.5	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	April 10, 2013	18000	34000	52000
Schlegel's black rockfish (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	March 26, 2013	730	1500	2230
Common Japanese conger (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	March 26, 2013	250	480	730
Spotbelly rockfish (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	March 26, 2013	69000	130000	199000
Brown hakeling (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	April 10, 2013	550	990	1540
Schlegel's black rockfish (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	April 10, 2013	5500	10000	15500
Gizzard shad (Muscle)	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	April 10, 2013	ND	31	31

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

Cs-134: Approx. 17Bq/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



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

(Data summarized on April 26)

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
Spotbelly rockfish (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	April 10, 2013	24000	46000	70000
Spotbelly rockfish (Muscle) No.5	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	April 10, 2013	59000	110000	169000
Spotbelly rockfish (Muscle) No.6	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	April 10, 2013	58000	110000	168000
Brown hakeling (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the South Breakwater)	April 2, 2013	240	490	730
Sebastes cheni (Muscle) No.15	In the Port of Fukushima Daiichi NPS (Around the South Breakwater)	April 2, 2013	480	870	1350
Sebastes cheni (Muscle) No.16	In the Port of Fukushima Daiichi NPS (Around the South Breakwater)	April 10, 2013	50000	94000	144000

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