

## Nuclide Analysis Results of Fish and Shellfish (In the Port of Fukushima Daiichi NPS) < 1/6 >

(Data summarized on December 18)

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) No.1	In the Port of Fukushima Daiichi NPS (Around the Shallow Draft Quay)	November 20, 2013	25,000	64,000	89,000
Starry flounder (Muscle)	In the Port of Fukushima Daiichi NPS (Around the Shallow Draft Quay)	November 26, 2013	9.8	17	26.8
Flatfish (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Shallow Draft Quay)	November 26, 2013	120	340	460
Greenling (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	November 14, 2013	4,300	9,900	14,200
Common skate (Muscle)	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	November 14, 2013	170	390	560
Flatfish (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	November 14, 2013	770	1,700	2,470
Spotted halibut (Muscle)	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	November 14, 2013	270	630	900
Marbled sole (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	November 14, 2013	4,200	9,700	13,900
Brown hakeling (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the East Seawall Break)	November 20, 2013	660	1,500	2,160
Chum salmon (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the South Breakwater)	November 7, 2013	ND	17	17

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

Cs-134: Approx. 9.5Bq/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

Nuclide Analysis Results of Fish and Shellfish  
(In the Port of Fukushima Daiichi NPS) < 2/6 >

(Data summarized on December 18)

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
Acanthopagrus schlegeli (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the South Breakwater)	November 19, 2013	ND	11	11
Chum salmon (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the South Breakwater)	November 19, 2013	ND	ND	ND
Brown hakeling (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	November 12, 2013	640	1,500	2,140
Spotbelly rockfish (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	November 12, 2013	5,200	12,000	17,200
Acanthopagrus schlegeli (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the North Breakwater)	November 14, 2013	23	47	70
Chum salmon (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 5, 2013	ND	ND	ND
Flatfish (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 5, 2013	1,400	3,100	4,500
Flatfish (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 5, 2013	230	540	770
Marbled sole (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 5, 2013	42	78	120
Chum salmon (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 8, 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. 12Bq/kg (Raw), Cs-137: Approx. 9.3Bq/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

Nuclide Analysis Results of Fish and Shellfish  
(In the Port of Fukushima Daiichi NPS) < 3/6 >

(Data summarized on December 18)

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.5	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 8, 2013	120	290	410
Acanthopagrus schlegeli (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 13, 2013	1,000	2,300	3,300
Acanthopagrus schlegeli (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 13, 2013	ND	19	19
Sea raven (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 13, 2013	ND	41	41
Sea raven (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 13, 2013	130	290	420
Chum salmon (Muscle) No.5	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 13, 2013	ND	54	54
Flatfish (Muscle) No.6	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 13, 2013	46	110	156
Flatfish (Muscle) No.7	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 13, 2013	60	120	180
Spotbelly rockfish (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 13, 2013	19,000	43,000	62,000
Sea raven (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 18, 2013	110	320	430

\* 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  
(In the Port of Fukushima Daiichi NPS) < 4/6 >

(Data summarized on December 18)

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
Chum salmon (Muscle) No.6	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 18, 2013	12	31	43
Flatfish (Muscle) No.8	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 18, 2013	250	590	840
Flatfish (Muscle) No.9	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 18, 2013	ND	52	52
Spotbelly rockfish (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 18, 2013	18,000	41,000	59,000
Schlegel's black rockfish (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 21, 2013	450	1,000	1,450
Sea raven (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 21, 2013	ND	58	58
Chum salmon (Muscle) No.7	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 21, 2013	ND	ND	ND
Marbled sole (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 21, 2013	450	1,100	1,550
Greenling (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	1,500	3,600	5,100
Greenling (Muscle) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	1,700	3,800	5,500

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

Cs-134: Approx. 31Bq/kg (Raw), Cs-137: Approx. 8.2Bq/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

**Nuclide Analysis Results of Fish and Shellfish  
(In the Port of Fukushima Daiichi NPS) < 5/6 >**

(Data summarized on December 18)

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) No.3	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	480	1,200	1,680
Sea raven (Muscle) No.5	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	64	210	274
Chum salmon (Muscle) No.8	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	ND	17	17
Sebastes cheni (Muscle) No.1	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	11,000	27,000	38,000
Sebastes cheni (Muscle) No.2	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	10,000	24,000	34,000
Flatfish (Muscle) No.10	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	130	370	500
Marbled sole (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	750	1,800	2,550
Spotbelly rockfish (Muscle) No.4	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	23,000	53,000	76,000
Spotbelly rockfish (Muscle) No.5	In the Port of Fukushima Daiichi NPS (Around the Port Entrance)	November 27, 2013	40,000	91,000	131,000
Marbled sole (Muscle) No.5	In the Port of Fukushima Daiichi NPS (Around the center of the port)	November 7, 2013	1,100	2,500	3,600

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

Cs-134: Approx. 8.4Bq/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

Nuclide Analysis Results of Fish and Shellfish  
(In the Port of Fukushima Daiichi NPS) < 6/6 >

(Data summarized on December 18)

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.11	In the Port of Fukushima Daiichi NPS (Around the center of the port)	Nov 19, 2013	190	420	610

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