

Nuclide Analysis Results of Fish and Shellfish
 <The Ocean Area Within 20km Radius of Fukushima Daiichi NPS>
 Samples collected in the fourth quarter of FY2015

[Measurement results of Sr-90 (half-life approx. 29 years) in fish]

(Data summarized on June 7)

Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Radioactivity Concentration [Bq/kg (Raw)] (Half-life)	
			Sr-90* (Approx. 29 years)	Reference (Total of Cs-134 and Cs-137)
Common skete (muscle) *2	Around 3km Offshore of Ukedo River (T-S3)	Feb 17, 2016	0.19	34.7
Common skete (muscle) *1	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	Feb 17, 2016	0.14	38
Microstomus achne (muscle) *2	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	Feb 17, 2016	0.20	34.6
Sebastes cheni (muscle) *1	Around 2km Offshore of Kido River (T-S5)	Mar 17, 2016	0.39	55
Marbled sole (muscle) *1	Around 15km Offshore of Odaka Ward (T-B1)	Mar 3, 2016	0.13	41

* The sum of Cs-134 and Cs-137 radioactivity concentration as a standard value (since April 1, 2012) is 100 Bq/kg.

* The Sr-90 analysis was conducted by THE GENERAL ENVIRONMENTAL TECHNOS CO., LTD. (*1) and Kyushu Environmental Evaluation Association (*2).

* The whole body of fish was subject to the measurement.

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[Measurement results of Tritium (half-life approx. 12 years) in fish]

Place of Sampling (Place No.): Around 4km Offshore of Kumagawa (T-S8)

(Data summarized on June 7)

Name of Sample (Region)	Date of Sampling	Tritium concentration (Bq/L)		Tritium concentration (Bq/kg (Raw))		Reference (Total of Cs-134 and Cs-137) (Bq/Kg) (Raw))
		Free Water Tritium	Organically Bound Tritium	Free Water Tritium	Organically Bound Tritium	
Flatfish (muscle)	Jan 12, 2016	0.091	ND (0.28)	0.073	ND (0.035)	3.7
Flatfish (muscle)	Feb 8, 2016	0.087	ND (0.28)	0.069	ND (0.039)	ND
Flatfish (muscle)	Mar 7, 2016	0.075	ND (0.28)	0.059	ND (0.039)	6.0

Reference

	Date of Sampling	Tritium concentration (Bq/L)
Around 4km Offshore of Kumagawa (T-S8) Seawater	Jan 11, 2016	0.085
	Feb 7, 2016	0.092
	Mar 6, 2016	0.073

* The sum of Cs-134 and Cs-137 radioactivity concentration as a standard value (since April , 2012) is 100 Bq/kg.

* The Tritium analysis was conducted by Kyushu Environmental Evaluation Association.

* The edible portion of fish (muscle) was subject to the measurement.

* Free Water Tritium is the Tritium contained in the moisture of fish muscle, which is usually compared with the Tritium concentration in seawater where fish lives.

* Organically Bound Tritium is the Tritium contained in dried fish muscle, which represents the Tritium concentration in the vapor generated when dried fish is burned.

* The measurement results are calculated to two significant figures.

* "ND (not detected)" indicates that the value is less than a detection limit of radioactivity concentration. A detection limit of individual nuclide is provided in parenthesis.