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

			Radioactivity	Density[Bq/kg (Ra	w)] (Half-life)
Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Cs-134 (Approx. 2 years)	Cs-137(Approx. 30 years)	Cs (Sum)
Blue crab(Whole)	Around 1km Offshore of Ota River (T-S1)	Apr 16, 2014	ND(3.0)	ND(4.3)	ND
Schlegel's black rockfish (muscle) No.1	Around 1km Offshore of Ota River (T-S1)	Apr 16, 2014	18	47	65
Common skete(muscle)	Around 1km Offshore of Ota River (T-S1)	Apr 16, 2014	14	43	57
Sea bass(muscle)	Around 1km Offshore of Ota River (T-S1)	Apr 16, 2014	ND(3.5)	4.3	4.3
Microstomus achne(muscle)	Around 1km Offshore of Ota River (T-S1)	Apr 16, 2014	11	28	39
Ovalipes punctatus(whole)	Around 1km Offshore of Ota River (T-S1)	Apr 16, 2014	ND(3.1)	ND(3.8)	ND
Flatfish(muscle)	Around 1km Offshore of Ota River (T-S1)	Apr 16, 2014	8.2	16	24.2
Pacific cod(muscle)	Around 1km Offshore of Ota River (T-S1)	Apr 16, 2014	ND(4.2)	ND(3.9)	ND
Common skete(muscle)	Around 3km Offshore of Odaka Ward (T-S2)	Apr 16, 2014	15	39	54
Marbled sole(muscle)	Around 3km Offshore of Odaka Ward (T-S2)	Apr 16, 2014	16	35	51

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd

#### Nuclide Analysis Results of Fish and Shellfish (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) <2/9> (Excluding the inner port area)

Name of Sample			Radioactivity Density[Bq/kg (Raw)] (Half-life		
(Region)	Place of Sampling (Place No.)	Date of Sampling  Cs-134 (Approx.		Cs (Sum)	
Pacific cod(muscle)	Around 3km Offshore of Odaka Ward (T-S2)	Apr 16, 2014	ND(3.3)	ND(4.5)	ND
Blue crab(Whole)	Around 3km Offshore of Ukedo River (T-S3)	Apr 25, 2014	ND(4.2)	ND(3.4)	ND
Lepidotrigla microptera (muscle)	Around 3km Offshore of Ukedo River (T-S3)	Apr 25, 2014	ND(4.1)	5.8	5.8
Yellow goosefish(whole)	Around 3km Offshore of Ukedo River (T-S3)	Apr 25, 2014	ND(3.1)	ND(3.5)	ND
Common skete(muscle)	Around 3km Offshore of Ukedo River (T-S3)	Apr 25, 2014	16	44	60
Sea bass(muscle)	Around 3km Offshore of Ukedo River (T-S3)	Apr 25, 2014	16	42	58
Microstomus achne(muscl	Around 3km Offshore of Ukedo River (T-S3)	Apr 25, 2014	9.9	30	39.9
Flatfish(muscle)	Around 3km Offshore of Ukedo River (T-S3)	Apr 25, 2014	ND(4.8)	6.8	6.8
Marbled sole(muscle)	Around 3km Offshore of Ukedo River (T-S3)	Apr 25, 2014	5.3	16	21.3
Blue crab(Whole)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	Apr 25, 2014	ND(3.5)	ND(4.6)	ND

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd

#### Nuclide Analysis Results of Fish and Shellfish (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) <3/9> (Excluding the inner port area)

Name of Sample (Region)			Radioactivity Density[Bq/kg (Raw)] (Half-life		
	Place of Sampling (Place No.)	Date of Sampling  Cs-134 (Approx. 2 years)  Cs-137(Approx 30 years)		Cs-137(Approx. 30 years)	Cs (Sum)
Lepidotrigla microptera (muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	Apr 25, 2014	ND(3.8)	ND(4.0)	ND
Common skete(muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	Apr 25, 2014	13	35	48
Microstomus achne(muscl	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	Apr 25, 2014	21	59	80
Flatfish(muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	Apr 25, 2014	ND(4.4)	5.2	5.2
Marbled sole(muscle)	Around 3km Offshore of Fukushima Daiichi NPS (T-S4)	Apr 25, 2014	9.8	31	40.8
Acanthopagrus schlegeli (muscle)	Around 2km Offshore of Kido River (T-S5)	Apr 14, 2014	ND(3.9)	7.0	7.0
Sea raven(muscle)	Around 2km Offshore of Kido River (T-S5)	Apr 14, 2014	8.5	29	37.5
Common skete(muscle)	Around 2km Offshore of Kido River (T-S5)	Apr 14, 2014	33	96	129
Microstomus achne(muscl	Around 2km Offshore of Kido River (T-S5)	Apr 14, 2014	29	77	106
Marbled sole(muscle)	Around 2km Offshore of Kido River (T-S5)	Apr 14, 2014	5.1	16	21.1

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd

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

Name of Sample			Radioactivity Density[Bq/kg (Raw)] (Half-life)		
(Region)	Place of Sampling (Place No.)	Date of Sampling	Cs-134 (Approx. 2 years)		
Barfin flounder(muscle)	Around 2km Offshore of Kido River (T-S5)	Apr 14, 2014	ND(3.3)	5.1	5.1
Sea raven(muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	Apr 14, 2014	ND(3.6)	ND(3.8)	ND
Common skete(muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	Apr 14, 2014	15	47	62
Microstomus achne(muscl	Around 2km Offshore of Fukushima Daini NPS (T-S7)	Apr 14, 2014	46	130	176
Flatfish(muscle)	Around 2km Offshore of Fukushima Daini NPS (T-S7)	Apr 14, 2014	ND(3.6)	9.4	9.4
Stone flounder(muscle)	Around 4km Offshore of Kumagawa (T-S8)	Apr 20, 2014	ND(3.6)	7.3	7.3
Blue crab(Whole)	Around 4km Offshore of Kumagawa (T-S8)	Apr 20, 2014	ND(2.9)	ND(3.7)	ND
Lepidotrigla microptera (muscle)	Around 4km Offshore of Kumagawa (T-S8)	Apr 20, 2014	ND(4.1)	6.1	6.1
Sea raven(muscle)	Around 4km Offshore of Kumagawa (T-S8)	Apr 20, 2014	ND(4.7)	9.2	9.2
Microstomus achne(muscl	Around 4km Offshore of Kumagawa (T-S8)	Apr 20, 2014	21	62	83

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd

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

Name of Sample (Region)		Radioactivity Density[Bq/kg (Radioactivity Density]			w)] (Half-life)	
	Place of Sampling (Place No.)	Date of Sampling	Cs-134 (Approx. 2 years)	Cs-137(Approx. 30 years)	Cs (Sum)	
Ovalipes punctatus(whole)	Around 4km Offshore of Kumagawa (T-S8)	Apr 20, 2014	ND(2.9)	ND(3.1)	ND	
Littlemouth flounder(muscle	Around 4km Offshore of Kumagawa (T-S8)	Apr 20, 2014	4.4	10	14.4	
Greenling(muscle)	Around 15km Offshore of Odaka Ward (T-B1)	Apr 22, 2014	ND(3.8)	7.7	7.7	
Stone flounder(muscle)	Around 15km Offshore of Odaka Ward (T-B1)	Apr 22, 2014	ND(4.1)	ND(3.8)	ND	
Lepidotrigla microptera(muscle)	Around 15km Offshore of Odaka Ward (T-B1)	Apr 22, 2014	ND(3.4)	ND(3.6)	ND	
Microstomus achne(muscle)	Around 15km Offshore of Odaka Ward (T-B1)	Apr 22, 2014	3.6	10	13.6	
Flatfish(muscle)	Around 15km Offshore of Odaka Ward (T-B1)	Apr 22, 2014	7.1	22	29.1	
Littlemouth flounder(muscle	Around 15km Offshore of Odaka Ward (T-B1)	Apr 22, 2014	ND(4.2)	5.9	5.9	
Pacific cod(muscle)	Around 15km Offshore of Odaka Ward (T-B1)	Apr 22, 2014	6.3	19	25.3	
Greenling(muscle)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	ND(4.1)	ND(4.0)	ND	

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd

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

Name of Sample (Region)			Radioactivity	· · · · · · · · · · · (.8 (.5))m			
	Place of Sampling (Place No.)	Date of Sampling	Cs-134 (Approx. 2 years)	Cs-137(Approx. 30 years) Cs (Sum)	Cs (Sum)		
Lepidotrigla microptera(mus	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	ND(3.6)	ND(3.2)	ND		
Yellow goosefish(whote)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	ND(4.3)	ND(3.4)	ND		
Common skete(muscle)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	14	38	52		
White croaker(muscle)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	ND(4.0)	ND(3.6)	ND		
Microstomus achne(muscle)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	ND(3.7)	4.8	4.8		
Flatfish(muscle)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	7.3	20	27.3		
Littlemouth flounder(muscle)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	ND(4.2)	5.6	5.6		
Marbled sole(muscle)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	5.4	16	21.4		
Pacific cod(muscle)	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	ND(3.3)	6.8	6.8		
Ridged-eye flounder(muscle	Around 18km Offshore of Ukedo River (T-B2)	Apr 22, 2014	ND(3.5)	5.8	5.8		

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd

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

Name of Sample (Region)			Radioactivity	Density[Bq/kg (Ra	w)] (Half-life)
	Place of Sampling (Place No.)	Date of Sampling	Cs-134 (Approx. 2 years)	Cs-137(Approx. 30 years)	Cs (Sum)
Greenling(muscle)	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	11	38	49
Stone flounder(muscle)	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	ND(3.1)	5.5	5.5
Lepidotrigla microptera (muscle)	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	ND(3.3)	ND(3.6)	ND
Common skete(muscle)	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	11	35	46
Sea bass(muscle)	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	4.7	10	14.7
Microstomus achne(muscle	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	6.7	21	27.7
Flatfish(muscle)	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	ND(4.1)	4.4	4.4
Littlemouth flounder(muscle	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	ND(3.5)	3.7	3.7
Marbled sole(muscle)	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	13	27	40
Pacific cod(muscle)	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	ND(3.8)	8.6	8.6

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd

### Nuclide Analysis Results of Fish and Shellfish (The Ocean Area Within 20km Radius of Fukushima Daiichi NPS) <8/9> (Excluding the inner port area)

			Radioactivity Density[Bq/kg (Raw)] (Half-life		
Name of Sample (Region)	Place of Sampling (Place No.)	Date of Sampling	Cs-134 (Approx. 2 years)	Cs-137(Approx. 30 years)	w)] (Half-life)  Cs (Sum)  ND  12  40.9  7.6  ND  3.6  66  27.4
Roundnose flounder(muscle	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	ND(3.7)	ND(3.5)	ND
Ridged-eye flounder(muscle	Around 10km Offshore of 1F (T-B3)	Apr 12, 2014	4.0	8.0	12
Greenling(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	9.9	31	40.9
Stone flounder(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	ND(3.5)	7.6	7.6
Lepidotrigla microptera (muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	ND(3.2)	ND(3.5)	ND
Schlegel's black rockfish (muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	ND(3.6)	3.6	3.6
Common skete(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	16	50	66
Microstomus achne(muscle	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	6.4	21	27.4
Flatfish(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	4.2	8.4	12.6
Gurnard(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	ND(3.8)	ND(3.7)	ND

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd

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

Name of Sample (Region)			Radioactivity Density[Bq/kg (Raw)] (Half-life)		
	Place of Sampling (Place No.)	Date of Sampling	Cs-134 (Approx. 2 years)	Cs-137(Approx. 30 years)	Cs (Sum)
Littlemouth flounder(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	ND(3.7)	8.0	8.0
Marbled sole(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	25	69	94
Pacific cod(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	ND(3.7)	ND(4.5)	ND
Ridged-eye flounder(muscle)	Around 10km Offshore of 2F (T-B4)	Apr 12, 2014	ND(3.3)	7.6	7.6

<sup>\*</sup> When the measurement value is below the detection limit, "ND" is marked. The detection limits are shown in parenthesis.

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

<sup>\*</sup> Analysis was conducted by Tokyo Power Technology Ltd., Sr-90: Analyzed by General Environmental Technos Co. Ltd