

Nuclide Analysis Results of Fish and Shellfish (The Ocean Area within 20km Radius of Fukushima Daiichi NPS)

Classification according to Radiocesium Level (March - May)

- The sum of radiocesium 134 and radiocesium 137. (Unit: Bq/kg, Raw)
- Sampling Period: March 29, 2012 - May 30, 2012
- Food Standard Value: 100Bq/kg (After April 1, 2012)

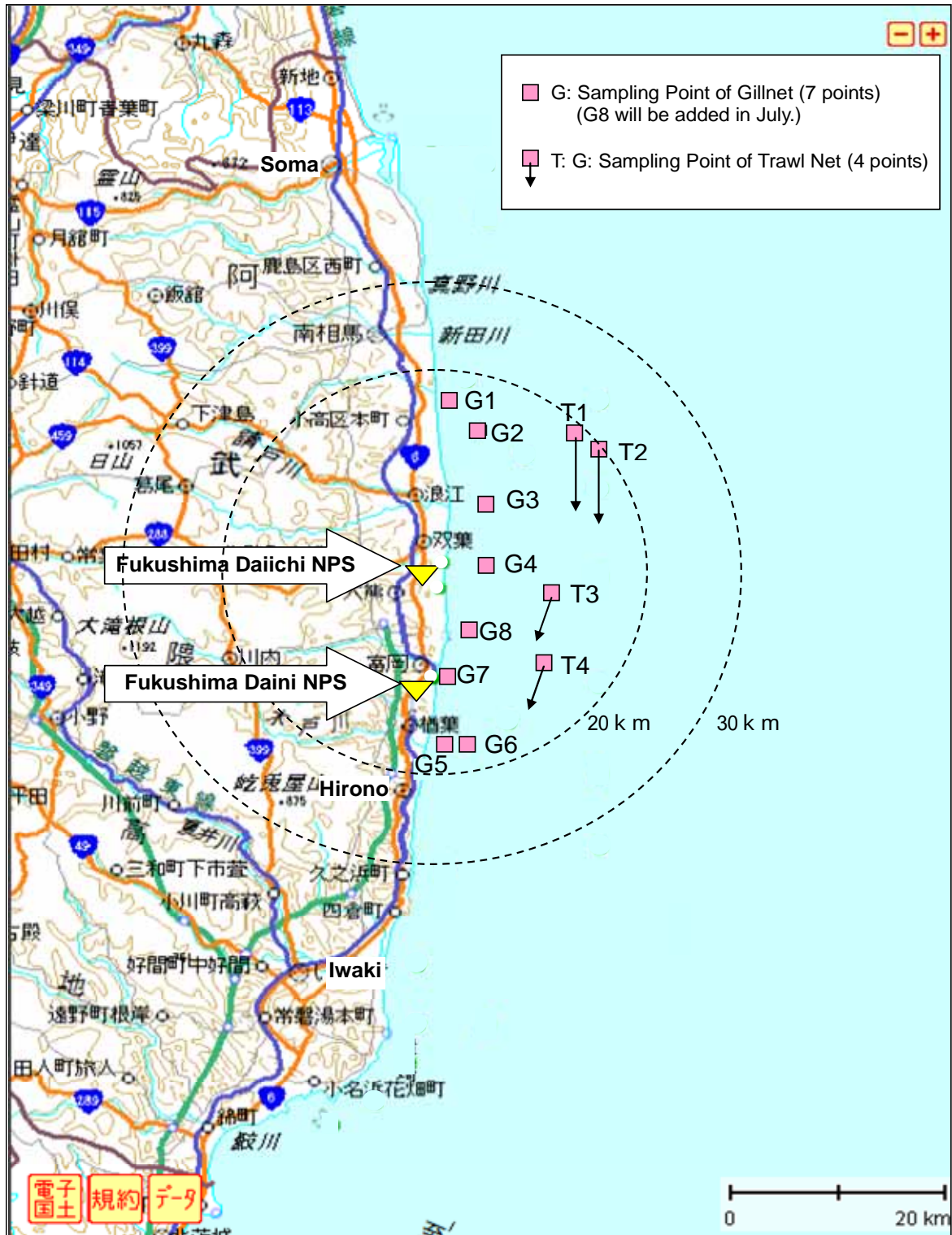
Fish				Others			
Sample Name	Maximum	Minimum	Number of Measure (Over the Standard Value)	Sample Name	Maximum	Minimum	Number of Measure (Over the Standard Value)
Sebastes cheni	1880	900	3 (3)	Ovalipes punctatus	26	ND	5
Sea bass	1610	33	6 (3)	Chestnutoctopus	10	ND	4
Microstomus achne	1260	ND	15 (8)	Blue crab	8	ND	2
Flatfish	1190	6	15 (11)	Octopus (Enteroctopus) dofleini	6	ND	7
Greenling	980	66	13(9)	Common Octopus	ND	-	1
Marbled sole	920	25	16 (9)	Loliginid	ND	-	7
Common Skete	840	170	14 (14)	Andrea cuttlefish	ND	-	4
Spotbelly rockfish	830	-	1 (1)	Loligo bleekeri	ND	-	3
Starry flounder	810	-	1 (1)				
Barfin flounder	690	-	1 (1)				
Sea raven	670	25	6 (5)				
Schlegel's black rockfish	530	410	2 (2)				
Banded dogfish	490	-	1(1)				
Stone flounder	390	29	4 (3)				
Dasyatis matsubara	205	-	1 (1)				
Pennahia argentata	124	15	6 (2)				
Pacific cod	107	17	11 (1)				
Littlemouth flounder	103	40	4 (1)				
Sea robin	69	20	2				
Common Japanese conger	66	22	2				
Roundnose flounder	57	5	5				
Stingray	55	-	1				
Ridged-eye flounder	53	-	1				
Northern dogfish	50	ND	9				
Long shanny	47	17	3				
Lepidotrigla microptera	42	7	9				
Lophius litlon	42	5	8				
Common horse mackerel	35	15	2				
Slippery sole	29	23	2				
Salangichthys ishikawae	23	-	1				
Shark-skin flounder	17	ND	2				
Dory	16	-	1				
Sand eel	13	ND	4				
Pointhead flounder	9	5	2				
Korean flounder	5	ND	2				
Flathead flounder	5	-	1				
Balloonfish	ND	-	1				
Alaska pollack	ND	-	1				

Number of sample	46
Over 100Bq/kg	18
Number of Measure	212
Over 100Bq/kg	76

(Note) The values of "ND" are as below.

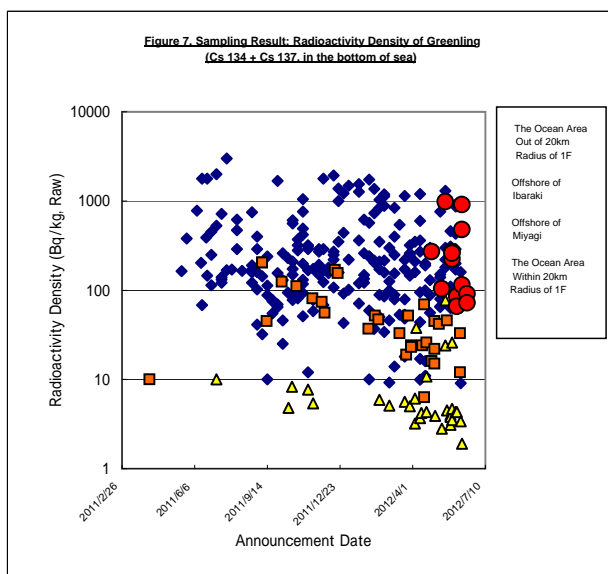
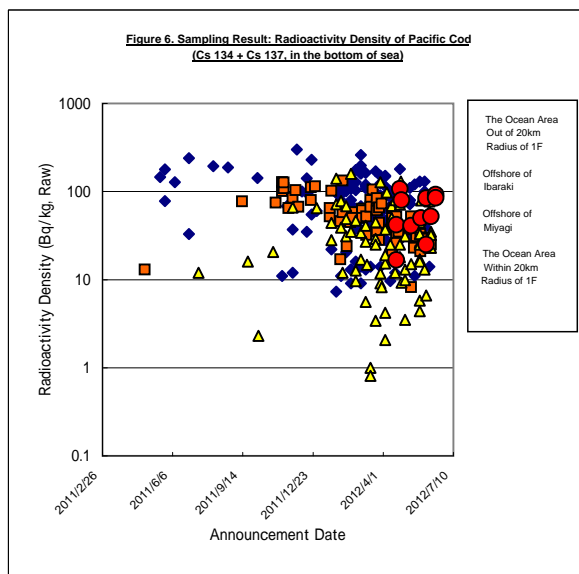
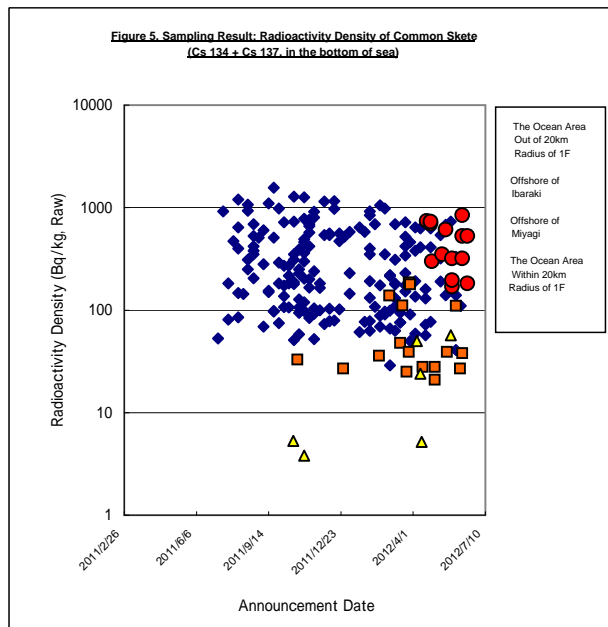
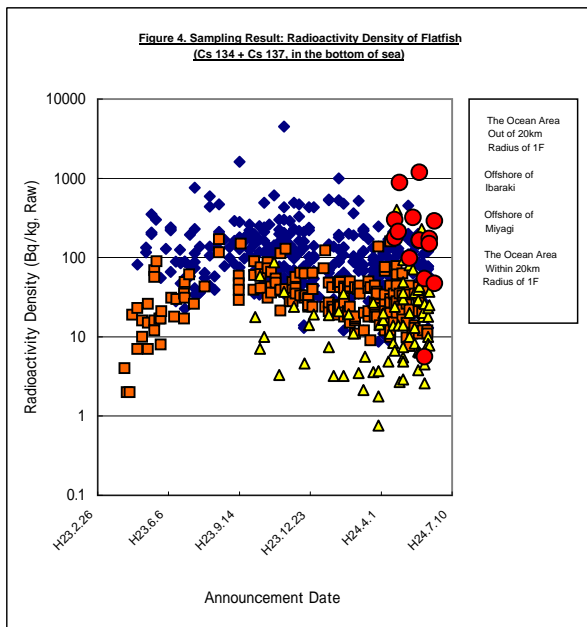
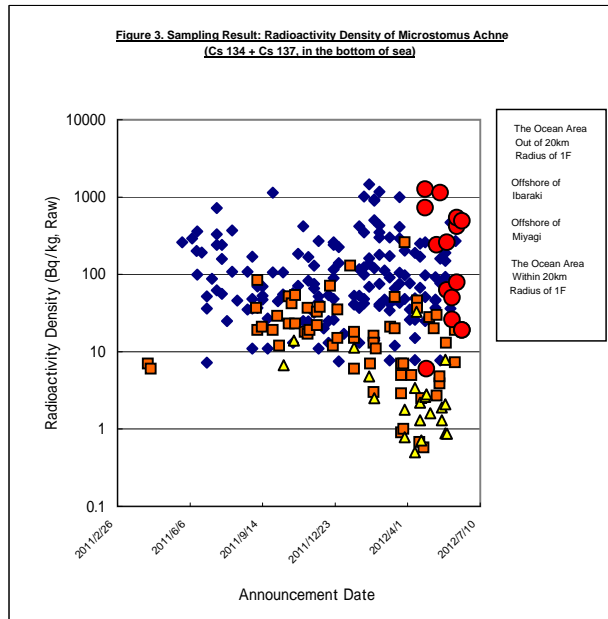
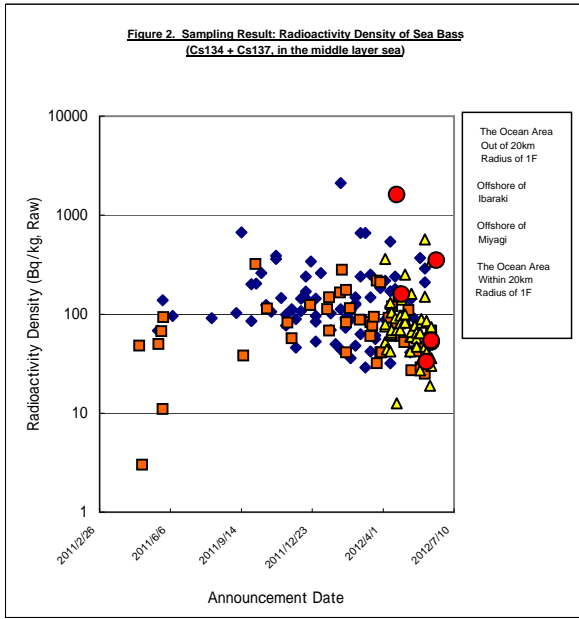
Cs134: Approx. 3.4Bq/kg, Cs137: Approx. 3.6Bq/kg

Date of Sampling (Place of Sampling)	Sample Name (name of fish in blue is below 100Bq/kg)
March 29 (G5, G6)	Sand eel, <i>Salangichthys ishikawae</i>
April 7 (G5)	<i>Northern dogfish</i> , <i>Pacific cod</i> , <i>Ovalipes punctatus</i> , Sea bass, Flatfish, Common Skete, Spotbelly rockfish
April 7 (G6)	<i>Northern dogfish</i> , <i>Pacific cod</i> , <i>Shark-skin flounder</i> , Flatfish, Marbled sole, Sea raven
April 11 (G5)	<i>Northern dogfish</i> , <i>Ovalipes punctatus</i> , Microstomus achne, Common Skete, Flatfish
April 11 (G6)	<i>Northern dogfish</i> , Marbled sole, Microstomus achne, Common Skete, Pacific cod
April 13 (T3)	<i>Lepidotrigla microptera</i> , <i>Microstomus achne</i> , <i>Marbled sole</i> , <i>Stone flounder</i> , <i>Pacific cod</i> , <i>Ridged-eye flounder</i> , <i>Octopus (Enteroctopus) dofleini</i> , Sea bass, Greenling, Flatfish, Common Skete
April 25 (G3, G4)	Sand eel
April 26 (T4)	<i>Lepidotrigla microptera</i> , <i>Lophius litilon</i> , <i>Roundnose flounder</i> , <i>Pacific cod</i> Flatfish, Balloonfish, Loliginid, <i>Andrea cuttlefish</i> , Microstomus achne, Greenling, Marbled sole, Common Skete
May 2 (G5)	<i>Lepidotrigla microptera</i> , Marbled sole, <i>Sebastes cheni</i> , Flatfish, Sea raven, Microstomus achne, Common Skete, Greenling
May 9 (G1)	<i>Northern dogfish</i> , <i>Blue crab</i> , <i>Pennahia argentata</i> , <i>Ovalipes punctatus</i> , Schlegel's black rockfish, Flatfish, Starry flounder, Common Skete, Marbled sole, Greenling, Sea raven
May 9 (G2)	<i>Northern dogfish</i> , <i>Pennahia argentata</i> , <i>Alaska pollack</i> , <i>Ovalipes punctatus</i> , <i>Octopus (Enteroctopus) dofleini</i> , <i>Sebastes cheni</i> , Flatfish, Microstomus achne, Marbled sole, Stone flounder, Sea raven, Common Skete, Greenling
May 10(T3)	<i>Lepidotrigla microptera</i> , <i>Shark-skin flounder</i> , <i>Microstomus achne</i> , <i>Sea robin</i> , <i>Loliginid</i> , <i>Octopus (Enteroctopus) dofleini</i> , <i>Common Japanese conger</i> , <i>Marbled sole</i> , <i>Pacific cod</i> , <i>Roundnose flounder</i> , <i>Loligo bleekeri</i> , Greenling, Flatfish, Common Skete
May 17 (T1)	<i>Marbled sole</i> , <i>Greenling</i> , <i>Pacific cod</i> , <i>Littlemouth flounder</i> , <i>Microstomus achne</i> , <i>Long shanny</i> , <i>Sea bass</i> , <i>Lepidotrigla microptera</i> , <i>Flatfish</i> , <i>Lophius litilon</i> , <i>Roundnose flounder</i> , <i>Northern dogfish</i> , <i>Andrea cuttlefish</i> , <i>Loliginid</i> , <i>Octopus (Enteroctopus) dofleini</i> , <i>Chestnutoctopus</i> , <i>Loligo bleekeri</i> , Stone flounder
May 17 (T2)	<i>Greenling</i> , <i>Flatfish</i> , <i>Northern dogfish</i> , <i>Marbled sole</i> , <i>Littlemouth flounder</i> , <i>Slippery sole</i> , <i>Microstomus achne</i> , <i>Sea raven</i> , <i>Pacific cod</i> , <i>Common Japanese conger</i> , <i>Long shanny</i> , <i>Roundnose flounder</i> , <i>Lepidotrigla microptera</i> , <i>Chestnutoctopus</i> , <i>Korean flounder</i> , <i>Lophius litilon</i> , <i>Flathead flounder</i> , <i>Pointhead flounder</i> , <i>Loliginid</i> , <i>Octopus (Enteroctopus) dofleini</i> , <i>Loligo bleekeri</i>
May 21 (T4)	<i>Microstomus achne</i> , <i>Littlemouth flounder</i> , <i>Roundnose flounder</i> , <i>Sea bass</i> , <i>Pacific cod</i> , <i>Lophius litilon</i> , <i>Lepidotrigla microptera</i> , <i>Loliginid</i> , <i>Octopus (Enteroctopus) dofleini</i> , Common Skete, Greenling, Marbled sole
May 25 (G3)	<i>Greenling</i> , <i>Barfin flounder</i> , <i>Common Skete</i> , <i>Microstomus achne</i> , <i>Schlegel's black rockfish</i> , <i>Marbled sole</i> , <i>Dasyatis matsubarae</i> , <i>Flatfish</i> , <i>Pennahia argentata</i>
May 25 (G4)	<i>Pennahia argentata</i> , <i>Sea robin</i> , <i>Sea bass</i> , <i>Lophius litilon</i> , <i>Ovalipes punctatus</i> , <i>Northern dogfish</i> , <i>Sebastes cheni</i> , <i>Common Skete</i> , <i>Sea raven</i> , <i>Microstomus achne</i> , <i>Greenling</i> , <i>Marbled sole</i> , <i>Flatfish</i>
May 30 (G7)	<i>Stingray</i> , <i>Lophius litilon</i> , <i>Blue crab</i> , Common Skete, Marbled sole, Banded dogfish, Microstomus achne, Sea bass, Flatfish, <i>Pennahia argentata</i>
May 30 (T1)	<i>Pacific cod</i> , <i>Greenling</i> , <i>Flatfish</i> , <i>Marbled sole</i> , <i>Common horse mackerel</i> , <i>Microstomus achne</i> , <i>Lepidotrigla microptera</i> , <i>Pennahia argentata</i> , <i>Dory</i> , <i>Lophius litilon</i> , <i>Chestnutoctopus</i> , <i>Loliginid</i> , <i>Andrea cuttlefish</i> , <i>Littlemouth flounder</i> , <i>Stone flounder</i> , <i>Common Skete</i>
May 30 (T2)	<i>Pacific cod</i> , <i>Greenling</i> , <i>Long shanny</i> , <i>Lepidotrigla microptera</i> , <i>Marbled sole</i> , <i>Slippery sole</i> , <i>Microstomus achne</i> , <i>Lophius litilon</i> , <i>Common horse mackerel</i> , <i>Pointhead flounder</i> , <i>Octopus (Enteroctopus) dofleini</i> , <i>Loliginid</i> , <i>Korean flounder</i> , <i>Chestnutoctopus</i> , <i>Common Octopus</i> , <i>Andrea cuttlefish</i>



(Note) As for the sampling points of G6 and G7, one of them is conducted.

Figure 1. Sampling Point of Fish and Shellfish (as of June 2012)



Note: In regard to the sampling results of "The Ocean Area Out of 20km Radius of 1F", "Offshore of Ibaraki" and "Offshore of Miyagi", we got the data from Fisheries Agency website, and put them in the graph.