

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

Categorized by the radioactive cesium level (March-June)

Total amount of radioactive cesium 134 and 137
Unit: Bq/kg (Raw)
Sampling period: March 29-June 18, 2012
Guideline value (April 1, 2012 and later): 100Bq/kg

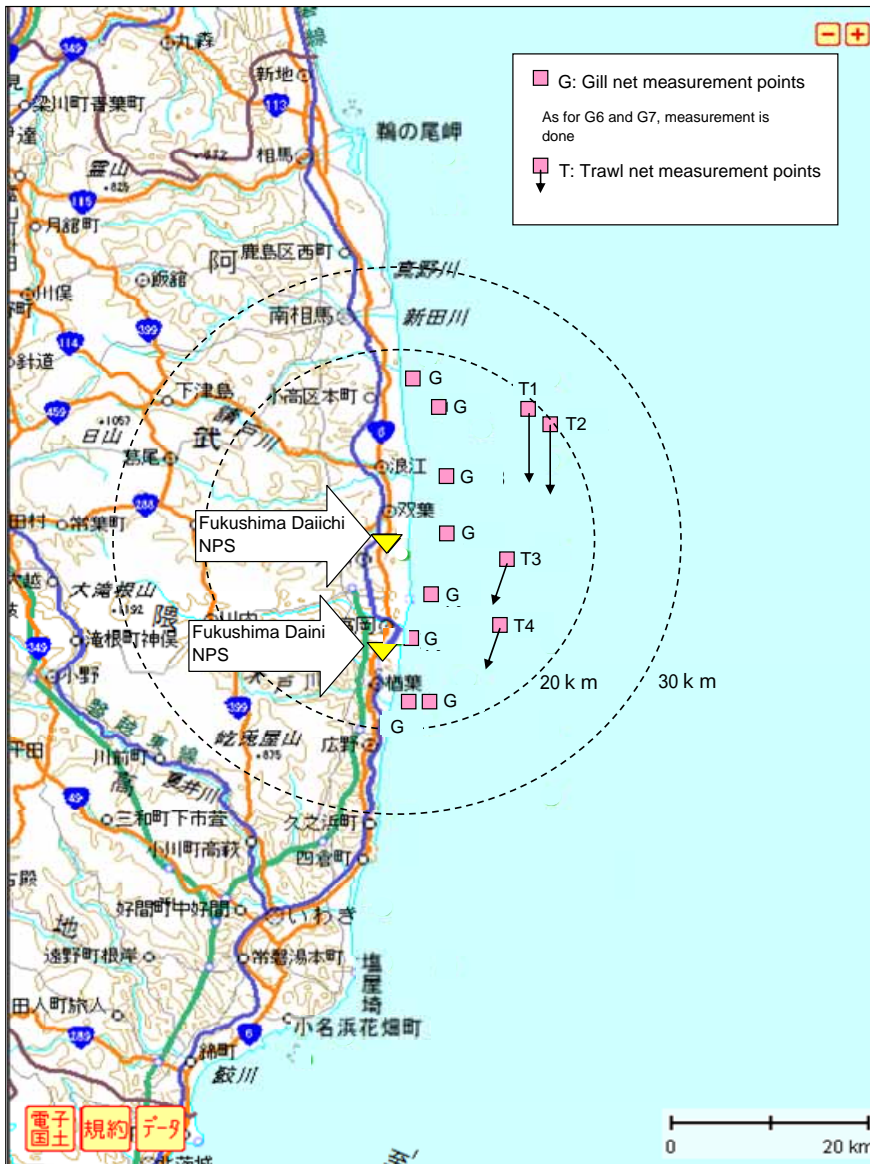
Fish				Others			
Sample	Maximum	Minimum	Number of measurements (Measurement results exceeding the guideline value)	Sample	Maximum	Minimum	Number of measurements
Sebastes cheni	1880	900	3 (3)	Ovalipes punctatus	26	ND	7
Sea bass	1610	33	8 (5)	Chestnutoctopus	10	ND	6
Microstomus achne	1260	ND	20 (9)	Blue crab	8	ND	4
Flatfish	1190	6	22 (14)	Octopus (Enteroctopus) dofleini	6	ND	10
Common Skete	1000	170	19 (19)	Common Octopus	ND	—	1
Greenling	980	16	18(12)	Loliginid	ND	—	9
Marbled sole	920	25	21 (12)	Andrea cuttlefish	ND	—	5
Spotbelly rockfish	830	—	1 (1)	Loligo bleekeri	ND	—	3
Starry flounder	810	580	2 (2)				
Barfin flounder	690	—	1 (1)				
Sea raven	670	25	7 (5)				
Schlegel's black rockfish	620	410	3 (3)				
Banded dogfish	490	14	2(1)				
Stone flounder	390	29	5 (3)				
Dasyatis matsubarae	205	88	2 (1)				
Stingray	201	55	2(1)				
Pennahia argentata	124	15	7 (2)				
Pacific cod	107	17	11 (1)				
Littlemouth flounder	103	14	5 (1)				
Acanthopagrus schlegeli	94	—	1				
Drumfish	86	75	2				
Sea robin	69	20	2				
Common Japanese conger	66	22	2				
Roundnose flounder	57	5	7				
Lepidotrigla microptera	53	7	13				
Ridged-eye flounder	53	—	1				
Northern dogfish	50	ND	11				
Long shanny	47	17	3				
Lophius litilon	42	5	13				
Common horse mackerel	35	11	4				
Slippery sole	29	23	2				
Salangichthys ishikawae	23	—	1				
Shark-skin flounder	17	ND	2				
Dory	16	13	2				
Crimson sea bream	16	—	1				
Pagrus major	15	—	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 samples	50
Samples with cesium exceeding 100Bq/kg	19
Number of measurements	283
Number of measurement results exceeding 100Bq/kg	96

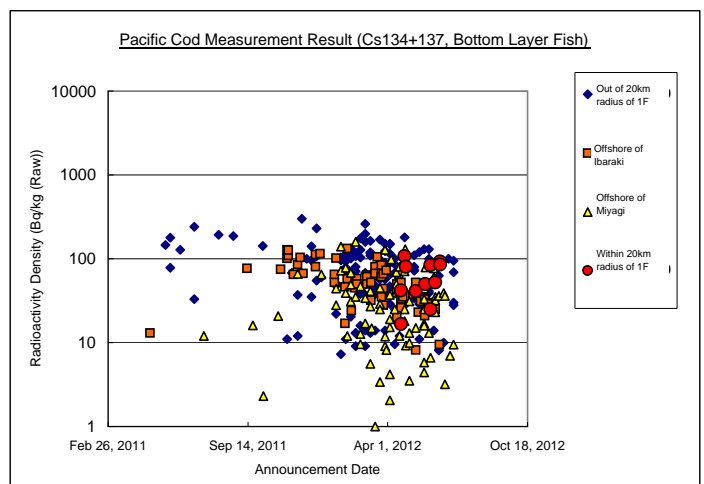
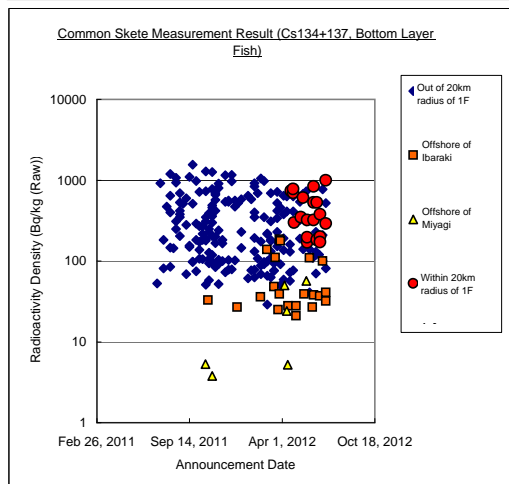
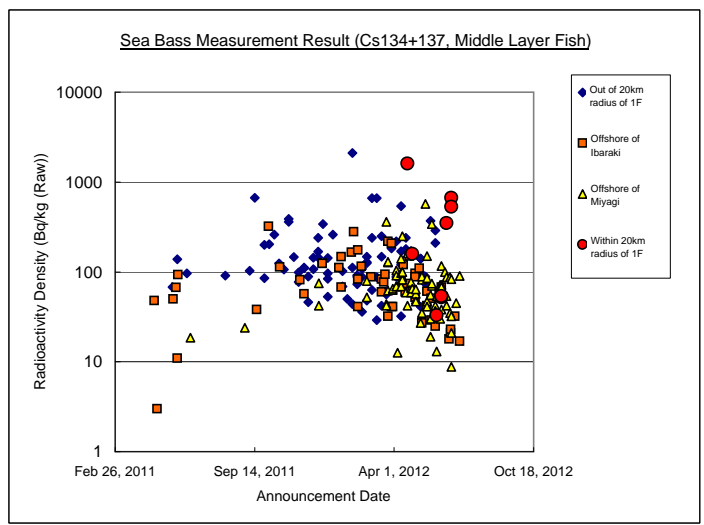
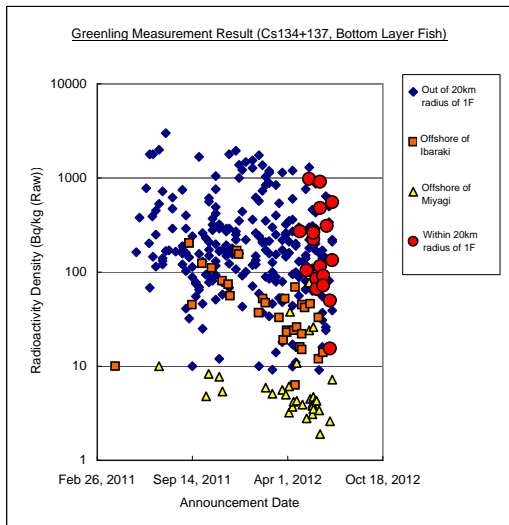
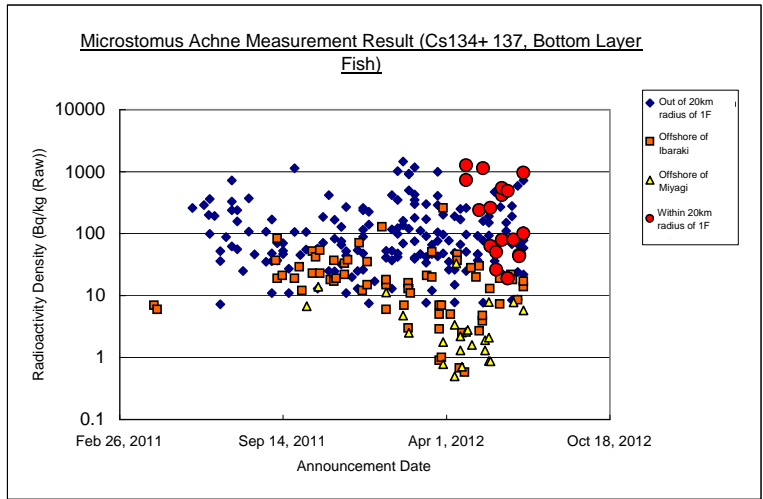
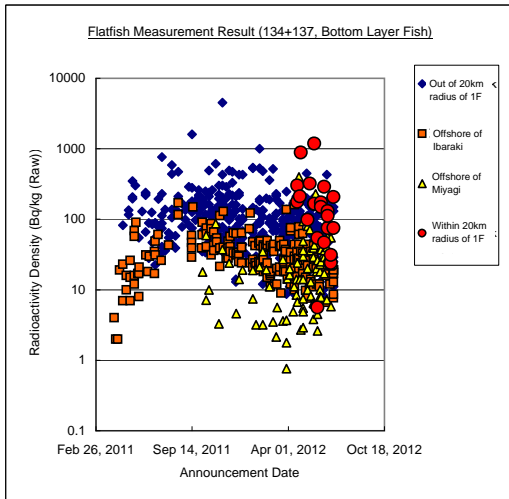
(Remark) ND for Cs134: approx. 3.1Bq/kg, Cs137: approx. 3.3Bq/kg

G: gill net, T: trawl net

Date of Sampling (Measurement point)	Samples (Sample names in blue letters: 100Bq/kg or less)
March 29 (G5, G6)	Sand eel, <i>Salangichthys ishikawae</i>
April 7 (G5)	Northern dogfish, Pacific cod, <i>Ovalipes punctatus</i> , Sea bass, Flatfish, Common Skete, Spotbelly rockfish
April 7 (G6)	Northern dogfish, Pacific cod, Shark-skin flounder, Flatfish, Marbled sole, Sea raven
April 11 (G5)	Northern dogfish, <i>Ovalipes punctatus</i> , <i>Microstomus achne</i> , Common Skete, Flatfish
April 11 (G6)	Northern dogfish, Marbled sole, <i>Microstomus achne</i> , Common Skete, Pacific cod
April 13 (T3)	<i>Lepidotrigla microptera</i> , <i>Microstomus achne</i> , Marbled sole, Stone flounder, Pacific cod, Ridged-eye flounder, <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> , Roundnose flounder, Pacific cod, Flatfish, Balloonfish, Loliginid, Andrea cuttlefish, <i>Microstomus achne</i> , Greenling, Marbled sole, Common Skete
May 2 (G5)	<i>Lepidotrigla microptera</i> , Marbled sole, <i>Sebastes cheni</i> , Flatfish, Sea raven, <i>Microstomus achne</i> , Common Skete, Greenling
May 9 (G1)	Northern dogfish, Blue crab, <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)	Northern dogfish, <i>Pennahia argentata</i> , Alaska pollack, <i>Ovalipes punctatus</i> , <i>Octopus (Enteroctopus) dofleini</i> , <i>Sebastes cheni</i> , Flatfish, <i>Microstomus achne</i> , Marbled sole, Stone flounder, Sea raven, Common Skete, Greenling
May 10 (T3)	<i>Lepidotrigla microptera</i> , Shark-skin flounder, <i>Microstomus achne</i> , Sea robin, Loliginid, <i>Octopus (Enteroctopus) dofleini</i> , Common Japanese conger, Marbled sole, Pacific cod, Roundnose flounder, <i>Loligo bleekeri</i> , Greenling, Flatfish, Common Skete
May 17 (T1)	Marbled sole, Greenling, Pacific cod, Littlemouth flounder, <i>Microstomus achne</i> , Long shanny, Sea bass, <i>Lepidotrigla microptera</i> , Flatfish, <i>Lophius litilon</i> , Roundnose flounder, Northern dogfish, Andrea cuttlefish, Loliginid, <i>Octopus (Enteroctopus) dofleini</i> , <i>Chestnutoctopus</i> , <i>Loligo bleekeri</i> , Stone flounder
May 17 (T2)	Greenling, Flatfish, Northern dogfish, Marbled sole, Littlemouth flounder, Slippery sole, <i>Microstomus achne</i> , Sea raven, Pacific cod, Common Japanese conger, Long shanny, Roundnose flounder, <i>Lepidotrigla microptera</i> , <i>Chestnutoctopus</i> , Korean flounder, <i>Lophius litilon</i> , Flathead flounder, Pointhead flounder, Loliginid, <i>Octopus (Enteroctopus) dofleini</i> , <i>Loligo bleekeri</i>
May 21 (T4)	<i>Microstomus achne</i> , Littlemouth flounder, Roundnose flounder, Sea bass, Pacific cod, <i>Lophius litilon</i> , <i>Lepidotrigla microptera</i> , Loliginid, <i>Octopus (Enteroctopus) dofleini</i> , Common Skete, Greenling, Marbled sole
May 25 (G3)	Greenling, Barfin flounder, Common Skete, <i>Microstomus achne</i> , Schlegel's black rockfish, Marbled sole, <i>Dasyatis matsubarae</i> , Flatfish, <i>Pennahia argentata</i>
May 25 (G4)	<i>Pennahia argentata</i> , Sea robin, Sea bass, <i>Lophius litilon</i> , <i>Ovalipes punctatus</i> , Northern dogfish, <i>Sebastes cheni</i> , Common Skete, Sea raven, <i>Microstomus achne</i> , Greenling, Marbled sole, Flatfish
May 30 (G7)	Stingray, <i>Lophius litilon</i> , Blue crab, Common Skete, Marbled sole, Banded dogfish, <i>Microstomus achne</i> , Sea bass, Flatfish, <i>Pennahia argentata</i>
May 30 (T1)	Pacific cod, Greenling, Flatfish, Marbled sole, Common horse mackerel, <i>Microstomus achne</i> , <i>Lepidotrigla microptera</i> , <i>Pennahia argentata</i> , Dory, <i>Lophius litilon</i> , <i>Chestnutoctopus</i> , Loliginid, Andrea cuttlefish, Littlemouth flounder, Stone flounder, Common Skete
May 30 (T2)	Pacific cod, Greenling, Long shanny, <i>Lepidotrigla microptera</i> , Marbled sole, Slippery sole, <i>Microstomus achne</i> , <i>Lophius litilon</i> , Common horse mackerel, Pointhead flounder, <i>Octopus (Enteroctopus) dofleini</i> , Loliginid, Korean flounder, <i>Chestnutoctopus</i> , Common Octopus, Andrea cuttlefish
June 4 (T3)	<i>Dasyatis matsubarae</i> , <i>Microstomus achne</i> , Stone flounder, Marbled sole, Roundnose flounder, <i>Lepidotrigla microptera</i> , <i>Lophius litilon</i> , <i>Pagrus major</i> , <i>Octopus (Enteroctopus) dofleini</i> , Greenling, Common Skete, Flatfish
June 6 (G1)	<i>Acanthopagrus schlegeli</i> , Flatfish, Drumfish, Banded dogfish, <i>Ovalipes punctatus</i> , Blue crab, Sea bass, Schlegel's black rockfish, Stingray, Common Skete
June 6 (G2)	Drumfish, Marbled sole, Northern dogfish, <i>Lophius litilon</i> , Blue crab, <i>Ovalipes punctatus</i> , Starry flounder, Sea bass, Common Skete, Flatfish
June 14 (T1)	Greenling, <i>Microstomus achne</i> , <i>Lophius litilon</i> , Flatfish, <i>Lepidotrigla microptera</i> , Common horse mackerel, <i>Octopus (Enteroctopus) dofleini</i> , Chestnut octopus
June 14 (T2)	Sea raven, <i>Microstomus achne</i> , Flatfish, <i>Lepidotrigla microptera</i> , Greenling, <i>Lophius litilon</i> , Littlemouth flounder, Common horse mackerel, Loliginid, <i>Chestnut octopus</i> , Marbled sole
June 16 (G5)	<i>Pennahia argentata</i> , Common Skete, <i>Microstomus achne</i> , Marbled sole, Greenling, Flatfish
June 18 (T4)	Flatfish, <i>Lepidotrigla microptera</i> , Crimson sea bream, Dory, <i>Lophius litilon</i> , Roundnose flounder, <i>Octopus (Enteroctopus) dofleini</i> , Loliginid, Northern dogfish, Andrea cuttlefish, Common Skete, Greenling, Marbled sole, <i>Microstomus achne</i>



Fish and Shell Fish Measurement Points (As of July 2012)



(Remark) The measurement results of "Out of 20km radius of 1F", "Offshore of Ibaraki" and "Offshore of Miyagi" was obtained from the Japan Meteorological Agency