## OResults of Radioactive Material Monitoring of Aquatic Organisms (Location M off Iwaki City)

<Location M off Iwaki City: Samples collected>

Items	Genera	ıl items		Radioactiv	e materials	
Locations	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)
M-2	0	0	0	0	0	0

<Location M off Iwaki City: Site measurement item>

	in to i twice city. One measurement nem-												
Ite	18	longitude of the ation		Survey date and time		Water		Sedi	ment		Other		
Locations	Latitude	Longitude	Date	Time (water)	Time (sediment)	Water temperature (degrees C)	Sediment temperature (degrees C)	Property	Color	Contaminants	Water depth (m)	Secchi disk depth (m)	
M-2(Surface lay	r) 37.1996°	141.0853°	2020/12/8	08:36	08:50	13.8	13.8	Sand	5Y 3/2	Shell fragments	42.3	8.5	
M-2(Bottom lay		141.0853°	2020/12/8	08:23		14.0	13.8	Sand				6.3	

<Location M off Iwaki City: General survey items/Analysis of radioactive materials Water>

-Location wi on iwaki	I Wi Off Twast City. General survey items/Analysis of fautoactive materials water															
Items	Items Latitude and longitude of the location		Survey date and time		pH	BOD	COD	DO	Electric conductivity	Salinity	TOC	SS	Turbidity	Cs-134	Cs-137	Sr-90
Locations	Latitude	Longitude	Date	Time (water)		(mg/L)	(mg/L)	(mg/L)	(mS/m)		(mg/L)	(mg/L)	(FNU)	(Bq/L)	(Bq/L)	(Bq/L)
M-2(Surface layer)	- 37.1996°	141.0853°	2020/12/8	08:36	8.0	0.6	1.3	8.9	5020	33.66	1.1	3	1.0	N.D.(0.0011)	0.0026	-
M-2(Bottom layer)			2020/12/8	08:23	8.0	<0.5	1.0	8.5	5020	33.75	0.9	<1	0.6	N.D.(0.0012)	0.0021	0.00085

Note) N.D. means to be below the detection limit and figures in parentheses show the detection limit.

<Location M off Iwaki City: General survey items/Analysis of radioactive materials Sediment>

Items	ms Latitude and longitude of the location		Survey d	Survey date and time							Grain size distribution										
itens			Survey date and time		pH	Redox potential	Water content	IL	TOC	Soil particle	Gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Median grain	Maximum	Cs-134	Cs-137	Sr-90
Lantina	Latitude	Longitude	Date	Time (sediment)		$E_{N.H.E}$				density	(2-75mm)	(0.85-2mm)	(0.25-0.85mm)	(0.075-0.25mm)	(0.005-0.075mm)	(Less than 0.005mm)	diameter	grain diameter			
Locations	Latitude					(mV)	(%)	(%)	(mg/g-dry)	(g/cm <sup>3</sup> )	(%)	(%)	(%)	(%)	(%)	(%)	(mm)	(mm)	(Bq/kg-dry)	(Bq/kg-dry)	(Bq/kg-dry)
M-2	37.1996°	141.0853°	2020/12/8	08:50	7.8	287	22.2	1.9	1.7	2.779	3.6	1.3	15.0	76.2	1.1	2.8	0.19	9.5	1.8	36	N.D.(0.14)

Note) N.D. means to be below the detection limit and figures in parentheses show the detection limit.

<Location M off Iwaki City: Analysis items Aquatic organisms>

\Location .	Location in on twast city. Analysis tens Aquate organisms																		
Loca	ions Sampling point	Latitude and loc	Latitude and longitude of the location		Division	Class	Order	Family	Scientific name	English name	Population	Sample weight	Note			Radioactive cesium (Bq/kg-wet)			Sr-90
	1 51	Latitude	Longitude	1 5				. í I			*	(kg-wet)	Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	(Bq/kg-wet)
M	1	37.1736°	141.0788°		Mollusca	Cephalopoda	Decapodiformes	Sepiidae	Sepia andreana	Sepia andreana	3	0.069	Juvenile	-	-	N.D.	N.D.(1.2)	N.D.(1.1)	-
M	Hicanohama	37.1996°	141.0853°	2020/12/8	Mollusca	Cephalopoda	Octopoda	Octopodidae	Octopus vulgaris	Common octopus	1	1.3	Imago	-	-	N.D.	N.D.(0.29)	N.D.(0.27)	-
M	.3	37.2324°	141.0935°	0	Vertebrata	Osteichthyes	Perciformes	Lateolabracidae	Lateolabrax japonicus	Japanese sea bass	1	1.8	Mature fish	Empty stomach	Viscera removed	0.56	N.D.(0.43)	0.56	-

\*1: Organisms were collected in or around the targeted water areas.

\*2: When multiple types of aquatic organisms were collected, a sample was prepared by mixing them.

\*3: For a sample made of multiple types of aquatic organisms, the English name of the dominant one largest in number is underlined.

\*4: Basically, measurement was conducted for all organism samples. Viscera (stomach and bowels) were removed for the measurement when possible so that undigested food and sediments, etc. in the digestive system would be excluded.

\*5: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40µm-mesh).

\*6: River bottom materials (incl. algae) are algae, etc. that were scratched off stones with a brush, etc. and may include very fine particles such as inorganic silt and clay.

\*7: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

\*8: Activity concentrations include counting errors, but the details are omitted here.