OResults of Radioactive Material Monitoring of Aquatic Organisms (Location K off the mouth of the Abukuma River)

<Location K off the mouth of the Abukuma River: Samples collected>

	Items	Genera	ıl items	Radioactive materials								
	Locations	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)					
K-3		0	0	0	0	0	0					

<I ocation K off the mouth of the Abukuma River: Site measurement item>

-Eocation R on the in	ocation K off the mount of the Abukuma Kiver. She measurement nem-											
Items	Latitude and l	ongitude of the		Survey date and time		Water		Sedi	ment		Ot	her
Locations	Latitude	Longitude	Date Time (water) Time (sediment) W		Water temperature (degrees C)	Sediment temperature (degrees C)	Property		Contaminants	Water depth (m)	Secchi disk depth (m)	
K-3(Surface layer)	38.0458°	140.9518°	2017/8/23	08:57	09:15	24.2	21.9	Silt with sand	5Y3/2	Shellfish a little,	200	5.5
K-3(Bottom layer)	36.0436	140.9518°	201//8/23	08:27		21.7		Siit with sand	313/2	Ragworm a little		3.3

<Location K off the mouth of the Abukuma River: General survey items/Analysis of radioactive materials Water>

Items	Latitude and longitude of the location		de of the 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)
K-3(Surface layer)	38.0458°	140.9518°	2017/8/23	08:57	8.1	1.0	3.5	7.6	3100	19.73	1.4	4	2.6	0.0010	0.0079	-
K-3(Bottom layer)	38.0438	140.9518°	201//8/23	08:27	8.0	0.9	2.3	6.5	4950	33.58	1.4	5	3.1	0.0016	0.0099	0.00098

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

<Location K off the mouth of the Abukuma River: General survey items/Analysis of radioactive materials Sediment>

-Loci	ation it on the in	It the mount of the resident out of thems interpte of tenteral Section of the sec																				
	Items	Latitude and	longitude of the	Survey de	sta and time										Grain si	ze distribution						
	Items	location		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
Law	ocations	Latitude	Lamaituda	Date	Time (sediment)	1	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			1
Loca	itions	Latitude	Longitude	Date	Time (sediment)		(mV)	(%)	(%)	(mg/g-dry)	(g/cm ³)	(%)	(%)	(%)	(%)	(%)	(%)	(mm)	(mm)	(Bq/kg-dry)	(Bq/kg-dry)	(Bq/kg-dry)
	K-3	38.0458°	140.9518°	2017/8/23	09:15	7.7	223	46.1	5.5	9.2	2.697	0.0	0.1	0.2	25.2	59.3	15.2	0.048	2.0	32	230	N.D.(0.13)

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

<Location K off the mouth of the Abukuma River: Analysis items Aquatic organisms>

Location K off the mount of the Adukuma Kiver. Analysis helps Aquatic organisms																			
Locations	Sampling point	Latitude and l	ongitude of the	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population Sample weight Note			Rac	vet)	Sr-90			
		Latitude	Longitude	. 0		1 '		1 1		_		(kg-wet)	Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	(Bq/kg-wet)
Surrounding water	Sea area in front of	f			Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae	Pseudopleuronectes herzensteini	Yellow striped flounder	14	1.3	Immature fish	Ragworm	Viscera removed	N.D.	N.D.(0.55)	N.D.(0.32)	N.D.(0.018)
area off the mouth of	the Abukuma	-	_	2017/8/21	Vertebrata	Osteichthyes	Pleuronectiformes	Paralichthyidae	Paralichthys olivaceus	Bastard halibut	2	2.2	Mature fish	Anchovy	Viscera removed	0.51	N.D.(0.39)	0.51	N.D.(0.015)
the Abukuma River					Vertebrata	Osteichthyes	Perciformes	Sparidae	Evynnis japonica	Crimson sea-bream	6	0.68	Immature fish	Shrimp	Viscera removed	0.35	N.D.(0.27)	0.35	-

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