OResults of Radioactive Material Monitoring of Aquatic Organisms (Location E along the Niida River)

<Location E along the Niida River: Samples collected>

Items	Genera	al items		Radioactiv	e materials	
Locations	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)
E-2 a	0	0	0	0	0	0

<Location E along the Niida River: Site measurement item>

	Items		ongitude of the		Survey date and time		Water		Sedi	ment		Ot	her	
Locations		Latitude	Longitude	Date Time (water) Time (sediment)		Water temperature (degrees C)	Sediment temperature (degrees C) Property		Color Contaminants		Water depth (m)	Transparency (cm)		
	E-2 a	37.6640°	140.9447°	2023/12/6	13:50	14:02	8.8	8.7	Sand	2.5Y4/2	None	0.48	>50	

<Location E along the Niida River: General survey items/Analysis of radioactive materials Water>

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)
E-2 a	37.6640°	140.9447°	2023/12/6	13:50	7.3	0.5	2.5	12.2	8.2	0.05	1.0	<1	1.2	N.D.(0.0012)	0.017	0.0013

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

<Location E along the Niida River: General survey items/Analysis of radioactive materials Sediment>

Itome	Latitude and longitude of the location		Survey date and time								Grain size distribution										1
itens			Survey da	Survey date and time		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
Locations	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			i
Locations						(mV)	(%)	(%)	(mg/g-dry)	(g/cm ³)	(%)	(%)	(%)	(%)	(%)	(%)	(mm)	(mm)	(Bq/kg-dry)	(Bq/kg-dry)	(Bq/kg-dry)
E-2 a	37.6640°	140.9447°	2023/12/6	14:02	7.3	493	17.3	0.9	1.0	2.670	12.9	30.7	49.1	4.2	0.4	2.7	0.76	4.8	3.0	160	N.D.(0.14)

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

<Location E along the Niida River: Analysis items Aquatic organisms>

Cocation E along the	Niida Kiver: Analysis ite	ems Aquatic organism	IS>																
Locations	Sampling point	Latitude and longitude of the location		Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight	Note			Radioactive cesium (Bq/kg-wet)			Sr-90
		Latitude	Longitude]				1 1		-		(kg-wet)	Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	(Bq/kg-wet)
	The main stream of				Algae/plant	-	-	-	-	Sediment deposited on riverbed (Including algae)	-	0.025	-	-	-	140	N.D.(7.0)	140	-
					Arthropoda	Insecta	Plecoptera	Perlidae	Kamimuria tibialis	Stonefly	135	0.0071	Larva	A contract of the contract of	-	4 3	N.D.(3.8)	13	
					Arthropoda	Insecta	Plecoptera	Perlidae	Paragnetina sp.	Stonefly	155		Laiva	-		4.5	14.15.(5.0)	5	_
E-2 b		37.6635°	140.9452°	2023/12/2	Arthropoda	Insecta	Trichoptera	Stenopsychidae	Stenopsyche marmorata	Caddisfly	150	0.025	Larva	-	-	51	N.D.(6.6)	51	-
E-2 0	the Niida River	37.0033	140.9432	2023/12/2	Vertebrata	Osteichthyes	Siluriformes	Siluridae	Silurus asotus	Amur catfish	1	0.45	Mature fish	Empty stomach	Viscera removed	53.4	1.4	52	-
					Vertebrata	Osteichthyes	Siluriformes	Siluridae	Silurus asotus	Amur catfish	1	1.2	Mature fish	Empty stomach	Viscera removed	32.3	1.3	31	0.46
					Coarse Particulate	-	-	-	-	Water-bottom leaf litter	-	0.23	-	-	-	76.9	1.9	75	-

*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.