OResults of Radioactive Material Monitoring of Aquatic Organisms (Lake Inawashiro (north lakeside) I / Lake Inawashiro (south lakeside) J)

<Lake Inawashiro (north lakeside) I / Lake Inawashiro (south lakeside) J: Samples collected>

Items	Gener	al items	Radioactive materials								
Locations	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)					
J-1	0	0	0	0	0	0					

<Lake Inawashiro (north lakeside) I / Lake Inawashiro (south lakeside) J: Site measurement item>

Items	Items Latitude and longitude of the location			Survey date and time		Water		Sedi	ment		Ot	her	
Locations	Latitude	Longitude	Date	Time (water)	ter) Time (sediment) Water temperature (degrees C)		Sediment temperature (degrees C)	Property	Color	Contaminants	Water depth (m)	Secchi disk depth (m)	
J-1(Surface layer)	37.4203°	140.1008°	2018/12/1	11:00	11:20	11.3	11.3	Sand	7.5Y 5/3	Shell fragments,Waterw	4.0	>4.0	
J-1(Bottom layer)	37.4203	140.1000	2018/12/1	11.00	11.20	11.3	11.3	Sand	7.51 5/3	eed eed	4.0	>4.0	

< Lake Inawashiro (north lakeside) I / Lake Inawashiro (south lakeside) J: General survey items/Analysis of radioactive materials Water>

	Items	Latitude and longitude of the location		Survey da	ite and time	pH	BOD	COD	DO	Electric conductivity	Salinity	TOC	SS	Turbidity	Cs-134	Cs-137	Sr-90
Locat	ations	Latitude	Longitude	Date	Time (water)		(mg/L)	(mg/L)	(mg/L)	(mS/m)		(mg/L)	(mg/L)	(FNU)	(Bq/L)	(Bq/L)	(Bq/L)
J-1(Surf	face layer)	37.4203°	140.1008°	2018/12/1	11:00	6.6	<0.5	1.3	10.9	11.0	0.06	0.6	<1	0.3	N.D.(0.0013)	0.0065	-
J-1(Bott	ttom layer)	37.4203	140.1000	2010/12/1	11.00	6.7	<0.5	1.4	11.0	11.1	0.06	0.7	<1	0.3	N.D.(0.0015)	0.0058	0.00070

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

<Lake Inawashiro (north lakeside) I / Lake Inawashiro (south lakeside) J: General survey items/Analysis of radioactive materials Sediment>

Items	Items Latitude and longitude of the location		Survey date and time								Grain size distribution									i	
iiciii.					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
Locations	Latitude	Longitude	Date	Time (sediment)		E _{NHE}				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			
						(mV)	(%)	(%)	(mg/g-dry)	(g/cm ³)	(%)	(%)	(%)	(%)	(%)	(%)	(mm)	(mm)	(Bq/kg-dry)	(Bq/kg-dry)	(Bq/kg-dry)
J-1	37.4203°	140.1008°	2018/12/1	11:20	6.8	385	26.3	1.7	3.5	2.702	0.1	0.9	39.0	57.9	:	2.1	0.22	4.8	16	200	0.16

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

<Lake Inawashiro (north lakeside) I / Lake Inawashiro (south lakeside) J: Analysis items Aquatic organisms>

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			,		,		5	.,	(kg-wet)	Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	(Bq/kg-wet)
I-1 I-2 (north lakeside)	Within the lake and Nagase River	37.5047° 37.4995°	140.1143° 140.1409°		Coarse Particulate Organic Matter	-	-		-	Bottom fallen leaves	-	0.19	-	-	-	2.8	N.D.(0.76)	2.8	-
	Within the lake				Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.014	-	-	-	N.D.	N.D.(2.4)	N.D.(2.1)	=
J-1 (south lakeside)	and around the	37.4203°	140.1008°	2018/12/1	Mollusca	Gastropoda	Discopoda	Pleuroceridae	Semisulcospira libertina	Semisulcospira libertina	30	0.023	Imago	=	Molluscous part	2.1	N.D.(2.6)	2.1	-
, , , , , , , , , , , , , , , , , , , ,	Oninuma				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	Misgurnus anguillicaudatus	Oriental weatherfish	12	0.026	Immature fish,Mature fish	-	-	N.D.	N.D.(2.1)	N.D.(2.0)	-

^{*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.