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	Genera	al items	Radioactive materials									
Locations	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)						
I-1	0	0	0	0	0	0						
I-2	-	0	-	-	0	-						
I-3	0	0	0	-	0	-						
I-4	-	0	-	-	0	-						
J-1	0	0	0	-	0	-						

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

Items		ongitude of the tion		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	
I-1(Surface layer)	37.5047°	140.1143°		09:20	09:42	8.0	8.9	Ooze	7.5Y 3/1	Plant pieces	11.0	>11.0	
I-1(Bottom layer)	37.3047	140.1143		07.20	07.42	7.9	6.5	0020	7.51 3/1	Train pieces	11.0	~ 11.0	
I-2	37.4995°	140.1409°		-	09:06	-	8.7	Ooze	7.5Y 3/2	None	-	-	
I-3(Surface layer)	37.5077°	140.0263°	2016/12/3	10:30	10:38	8.1	8.4	Sand sediment	7.5Y 5/2	Freshwater clam	7.0	>7.0	
I-3(Bottom layer)	37.3077	140.0203	2010/12/3	10.50	10.56	0.1	0.4	Sand Scament	7.31 312	r resilwater ciam	7.0	>7.0	
I-4	37.5160°	140.1092°		-	09:55	-	7.9	Sand gravel	7.5Y 5/3	Waterweed	-	-	
J-1(Surface layer)	37.4203°	140.1008°		08:19	08:29	8.5	8.0	Sand	7.5Y 5/3	Freshwater clam	4.3	>4.3	
J-1(Bottom layer)	37.1203	110.1000		00.17	00.27	0.5	0.0	Sund	7.51 515	resirrater ciair	1.3	>4.3	

<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 date and time		te and time	pН	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)
I-1(Surface layer)	37.5047°	140.1143°		09:20	7.0	<0.5	1.1	10.6	10.5	0.06	0.4	<1	0.5	0.0015	0.010	-
I-1(Bottom layer)	37.3047	140.1143		09:20	6.8	<0.5	1.0	10.6	11.0	0.06	0.4	<1	0.5	0.0018	0.010	0.00071
I-3(Surface layer)	37.5077°	140.0263°	2016/12/3	10:30	6.9	<0.5	0.9	11.0	10.9	0.06	0.4	<1	0.4	N.D.(0.0015)	0.010	-
I-3(Bottom layer)	37.3077	140.0203	2010/12/3	10:30	6.8	<0.5	1.0	10.9	10.9	0.06	0.4	<1	0.5	0.0020	0.010	-
J-1(Surface layer)	37.4203°			08:19	6.8	0.6	1.3	11.2	11.1	0.06	0.5	<1	0.5	0.0021	0.0098	-
J-1(Bottom layer)	37.4203	140.1008°			6.8	<0.5	1.0	10.5	10.9	0.06	0.4	<1	0.5	0.0018	0.010	-

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>

Ttomas.	Latitude and le	ongitude of the	Survey date and time								Grain size distribution										
Items	loca	tion			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 _{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	Longitude	Date	Time (sediment)		(mV)	(%)	(%)	(mg/g-dry)	(g/cm ³)	(%)	(%)	(%)	(%)	(%)	(%)	(mm)	(mm)	(Bq/kg-dry)	(Bq/kg-dry)	(Bq/kg-dry)
I-1	37.5047°	140.1143°		09:42	6.6	174	86.2	14.2	40.7	2.475	0.0	1.3	3.8	23.8	30.0	41.1	0.011	2.0	100	700	0.39
I-2	37.4995°	140.1409°		09:06	6.2	237	68.2	9.0	30.1	2.567	0.0	0.2	1.9	35.9	34.3	27.7	0.042	2.0	62	450	-
I-3	37.5077°	140.0263°	2016/12/3	10:38	6.7	282	73.0	11.1	24.8	2.575	0.0	0.1	2.2	22.3	43.1	32.3	0.020	2.0	21	150	-
I-4	37.5160°	140.1092°		09:55	6.7	323	19.6	1.3	1.8	2.780	33.8	21.6	38.1	4.4	1.1	1.0	1.0	19	10	51	-
J-1	37.4203°	140.1008°		08:29	6.6	297	30.7	1.5	3.0	2.661	0.9	3.7	70.7	20.9	1.9	1.9	0.30	4.8	56	310	-

<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
	1 31	Latitude	Longitude	1 5				, 1				(kg-wet)	Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	(Bq/kg-wet)
J-1		37.4203°	140 10080	2016/12/3	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.031	-	-	-	N.D.	N.D.(1.1)	N.D.(1.2)	-
(south lakeside)	-	- 37.4203	140.1008°	2016/12/2	Mollusca	Gastropoda	Architaenioglossa	Viviparidae	Bellamya japonica	Japanese mysterysnail	12	0.075	Imago	-	Molluscous part	N.D.	N.D.(0.82)	N.D.(0.82)	-

^{*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.