OResults of Radioactive Material Monitoring of Aquatic Organisms (Location H in Lake Akimoto)

<Location H in Lake Akimoto: Samples collected>

Items	Genera	al items		Radioactiv	ve materials	
Locations	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)
H-1	0	0	0	0	0	0

<Location H in Lake Akimoto: Site measurement item>

Items	Items Latitude and longitude of the location			Survey date and time		Water		Sedi		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)
H-1(Surface layer)	37.6575°	140 12649	2017/12/1	08:27	00.55	5.9	5.0			Di .	140	2.0
H-1(Bottom layer)		140.1264°	2017/12/1	08:27	08:55	08:55 5.9	Ooze	7.5Y 4/1	Plant pieces	14.0	3.0	

<Location H in Lake Akimoto: General survey items/Analysis of radioactive materials Water>

7.01.11.51.00																
Items	Latitude and longitude of the location		Survey date and time		рН	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)
H-1(Surface layer)	37.6575°	140.1264°	2017/12/1	08:27	7.1	1.0	3.9	11.2	4.7	0.03	1.8	2	1.5	N.D.(0.0013)	0.0068	-
H-1(Bottom layer)	37.0373	140.1204	201//12/1	08:27	7.1	0.5	3.2	11.2	4.6	0.03	1.3	2	1.5	0.0033	0.022	0.00091

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

<Location H in Lake Akimoto: General survey items/Analysis of radioactive materials Sediment>

Doeddon II iii Daite i	miniotor General sa	vej reems rinarjon	or radioactive mate	riais Seamient																	
Itame	Latitude and longitude of the location		Survey date and time								Grain size distribution									i	
itens					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
Lanting	Latitude	Lanaituda	Data	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			1
Locations	Latitude	Longitude	Date	Time (sediment)		(mV)	(%)	(%)	(mg/g-dry)	(g/cm ³)	(%)	(%)	(%)	(%)	(%)	(%)	(mm)	(mm)	(Bq/kg-dry)	(Bq/kg-dry)	(Bq/kg-dry)
H-1	37.6575°	140.1264°	2017/12/1	08:55	6.7	35	62.5	9.8	19.4	2.479	0.0	0.1	0.4	1.1	61.9	36.5	0.0080	2.0	170	1300	0.78

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

<Location H in Lake Akimoto: Analysis items Aquatic organisms>

¥		Latitude and	Latitude and longitude of the									Sample weight		Note		Radioactive cesium (Bq/kg-wet)			Sr-90
Locations	Sampling point	Latitude	Longitude	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	(kg-wet)	Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	(Bq/kg-wet)
					Arthropoda	Malacostraca	Decapoda	Astacidae	Pacifastacus leniusculus trowbridgii	Signal crayfish	10	0.40	Imago	-	-	21.6	2.6	19	-
		27 (575)	140 12640		Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	Tribolodon hakonensis	Japanese dace	2	0.67	Mature fish	Algae	Viscera removed	39.1	4.1	35	-
H-1	In the lake	37.6575° 37.6616°	140.1264° 140.1226°	2017/12/1	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	Cyprinus carpio	Common carp	1	5.4	Mature fish	Obscure digesta	Viscera removed	41.5	4.5	37	-
П-2 Н_3	in the take	37.6653°	140.1226 140.1329°	2017/12/1	Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	Salvelinus leucomaenis	Char	4	1.2	Mature fish	Japanese smelt	Viscera removed	34.8	3.8	31	-
11-3		37.0033	140.132)		Vertebrata	Osteichthyes	Perciformes	Centrarchidae	Micropterus dolomieu	Small mouth bass	3	0.72	Immature fish	Empty stomach	Viscera removed	36.7	3.7	33	-
					Vertebrata	Osteichthyes	Siluriformes	Siluridae	Silurus asotus	Amur catfish	1	0.98	Mature fish	Empty stomach	Viscera removed	52.4	5.4	47	-
	Within the lake and rivers in the	37.6551°	140.1181°	2017/12/1	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.013	-	-	-	N.D.	N.D.(2.2)	N.D.(2.2)	-
	vicinity	37.0331	140.1161		Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	Lefua echigonia	Lefua echigonia	14	0.0086	Immature fish	-	-	4.6	N.D.(4.8)	4.6	-

^{*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.