

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

< Location H in Lake Akimoto: Samples collected >

Items	General items		Radioactive materials			
	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)
H-1	○	○	○	-	○	-
H-2	-	○	-	-	○	-
H-3	○	○	○	○	○	○
H-4	-	○	-	-	○	-
H-5	○	○	○	-	○	-

< Location H in Lake Akimoto: Site measurement item >

Items	Latitude and longitude of the location		Survey date and time			Water	Sediment			Other		
	Scheduled latitude	Scheduled longitude	Date	Time (water)	Time (sediment)		Water temperature (degrees C)	Sediment temperature (degrees C)	Property	Color	Contaminants	Water depth (m)
H-1 (Surface layer)	37.6575°	140.1264°	2015/6/16	10:19	10:30	20.4	13.5	Ooze	7.5Y 3/1	Plant	13	4.5
H-1 (Deep layer)	37.6616°	140.1226°		-	10:40	13.9	13.5	Ooze	7.5Y 4/2	Plant	-	-
H-3 (Surface layer)	37.6653°	140.1329°		9:38	9:56	20.2	18.8	Sand sediment	7.5Y 4/2	Plant	5.6	4.9
H-4	37.6551°	140.1181°		-	10:51	-	16.7	Ooze	7.5Y 4/1	Plant fragments, Elodea nuttallii	-	-
H-5 (Surface layer)	37.6523°	140.1568°		8:58	9:14	19.8	15.9	Sand sediment	7.5Y 4/3	Plant	6.5	4.5
H-5 (Deep layer)	37.6523°	140.1568°		-	-	17.2	-	-	-	-	-	-

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

Items	Latitude and longitude of the location		Survey date and time		pH	BOD (mg/L)	COD (mg/L)	DO (mg/L)	Electrical conductivity (mS/m)	Salinity	TOC (mg/L)	SS (mg/L)	Turbidity (FNU)	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Sr-90 (Bq/L)
	Scheduled latitude	Scheduled longitude	Date	Time (water)												
H-1 (Surface layer)	37.6575°	140.1264°	2015/6/16	10:19	7.5	0.6	2.6	9.6	4.1	0.03	1.1	2	1.3	0.0058	0.022	-
H-1 (Deep layer)	37.6616°	140.1226°		-	7.2	0.7	2.8	9.2	3.9	0.03	1.4	2	1.4	0.0025	0.0092	-
H-3 (Surface layer)	37.6653°	140.1329°		9:38	7	0.8	3	9.2	4	0.03	1.3	1	1.7	0.0037	0.011	-
H-3 (Deep layer)	37.6653°	140.1329°		-	7.2	0.8	3	9.5	4.2	0.03	1.8	<1	1.5	0.0063	0.023	0.0012
H-5 (Surface layer)	37.6523°	140.1568°		8:58	7.2	0.8	3	9.5	4.1	0.03	1.5	1	1.2	0.0058	0.022	-
H-5 (Deep layer)	37.6523°	140.1568°		-	7.2	1.2	2.2	9.3	4.9	0.03	1.3	2	1.1	N.D. (0.0019)	0.0084	-

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

Items	Latitude and longitude of the location		Survey date and time		pH	Redox potential EN-H.E (mV)	Water content (%)	IL (%)	TOC (mg/g-dry)	Soil particle density (g/cm³)	Grain size distribution				Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)				
	Scheduled latitude	Scheduled longitude	Date	Time (sediment)							Gravel (2-75mm) (%)	Coarse sand (0.85-2mm) (%)	Medium sand (0.25-0.85mm) (%)	Fine sand (0.075-0.25mm) (%)	Silt (0.005-0.075mm) (%)	Clay (Less than 0.005mm) (%)	Median grain diameter	Maximum grain diameter			
H-1	37.6575°	140.1264°	2015/6/16	10:30	6.7	257	64.6	8.7	22.4	2.52	0	0.2	0.3	0.8	52.4	46.3	0.0056	2	31	210	-
H-2	37.6616°	140.1226°		10:40	6.7	267	74.9	10.9	29.7	2.419	0.7	1.1	1.7	2.5	40.9	53.1	0.0045	4.75	120	410	-
H-3	37.6653°	140.1329°		9:56	6.6	296	70.1	19.1	40.5	2.371	4.5	2	1.9	32.5	32.5	26.6	0.042	4.75	630	2400	0.85
H-4	37.6551°	140.1181°		10:51	6.6	221	68.4	10.2	32.7	2.472	0	1.6	0.6	5.4	42.7	49.7	0.0051	2	280	990	-
H-5	37.6523°	140.1568°		9:14	6.8	346	53.5	7	15.6	2.561	0.7	0.6	2.3	48.7	30.2	17.5	0.079	4.75	150	530	-

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

Location	Sampling point	Latitude and longitude of the location		Sampling Date	Division	Class	Order	Family	Species name	English name	Population	Sample weight (kg-wet)	Note				Cs-134	Cs-137	Sr-90 (Bq/kg-wet)
		Scheduled latitude	Scheduled longitude										Growth stage	Stomach contents	Measurement site				
H-1	In the lake	37.6575°	140.1264°	2015/6/16															
H-4	Within the lake and rivers in the vicinity	37.6551°	140.1181°	2015/6/16															

*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 name of the dominant one largest in number is underlined.