

Q Results of Radioactive Material Monitoring of Aquatic Organisms (Location F along the Ota River)

<Location F along the Ota River: Samples collected>

Locations	General items		Radioactive materials			
	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)
F-1	○	○	○	○	○	○
F-2	○	○	○	○	○	○
F-3	○	○	○	-	○	-
F-4	○	○	○	-	○	-
F-5	○	○	○	-	○	-
F-6	○	○	○	-	○	-

< Location F along the Ota River: Site measurement item >

Location & Details of the River Section			Survey date and time			Water			Sediment			Other	
Locations	Scheduled latitude	Scheduled longitude	Date	Time (water)	Time (sediment)	Water temperature	Sediment temperature	Property	Color	Contaminants	Water depth (m)	Transparency(cm)	
F-1	37.5975°	140.9252°	2015/10/24	07:48	07:39	15.0	15.0	Sand	2.5Y4/3	None	0.35	>50	
F-2	37.6016°	140.9493°		08:49	08:44	15.9	15.7	Sand	2.5Y4/4	None	0.45	>50	
F-3	37.6045°	140.9636°		10:00	10:13	16.2	16.3	Sand	2.5Y4/3	None	0.80	>50	
F-4	37.6070°	140.9720°		10:56	11:08	17.2	17.5	Sand	2.5Y4/6	None	0.50	>50	
F-5	37.6022°	140.9868°		13:03	12:45	17.8	17.9	Sand	2.5Y4/3	None	0.24	>50	
F-6	37.5953°	141.0123°		13:53		17.9					0.68	>50	

≤ Location F along the Ota River: General survey items/Analysis of radioactive materials Water 3

Water Quality Analysis of Radioactive Materials																	
Location F along the River General Survey Water		Items		Latitude and Longitude of the location		Survey date and time		Analysis of radioactive materials									
Locations	Items	Scheduled latitude	Scheduled longitude	Date	Time (water)	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)
F-1	37.5975°	140.9252°	7:48	7.4	<0.5	2.3	10.2	4.9	0.03	0.9	<1	0.7	0.048	0.20	-		
F-2	37.6016°	140.9423°	8:49	7.2	<0.5	2.1	10.0	5.5	0.03	0.9	<1	0.6	0.040	0.17	0.0043		
F-3	37.6045°	140.9636°	10:00	7.3	<0.5	2.2	9.9	5.6	0.03	0.8	<1	0.5	0.066	0.27	-		
F-4	37.6070°	140.9720°	10:56	6.8	<0.5	1.8	9.9	6.7	0.04	0.7	<1	0.4	0.030	0.12	-		
F-5	37.6022°	140.9868°	13:03	7.0	<0.5	2.0	10.0	7.3	0.04	0.8	<1	0.8	0.030	0.13	-		
F-6	37.5953°	141.0123°	13:53	7.0	0.5	2.7	10.3	12.4	0.07	1.0	2	1.2	0.029	0.12	-		

< Location F along the Ota River: General survey items/Analysis of radioactive materials Sediment 1

Location A: Soil properties analysis and sediment characteristics																					
Items			Latitude and longitude of the location		Survey date and time		Soil particle distribution														
Locations	Scheduled latitude	Scheduled longitude	Date	Time (sediment)	pH	Redox potential EN,H.E (mV)	Water content (%)	IL (%)	TOC (mg/g-dry)	Soil particle density (g/cm3)	Grain size distribution										
	Scheduled latitude	Scheduled longitude	Date	Time (sediment)	pH	Redox potential EN,H.E (mV)	Water content (%)	IL (%)	TOC (mg/g-dry)	Soil particle density (g/cm3)	Gravel (2-75mm) (%)	Coarse sand (0.85-2mm) (%)	Medium sand (0.25-0.85mm) (%)	Fine sand (0.075-0.25mm) (%)	Silt (Less than 0.005mm) (%)	Clay (0.005-0.0075mm) (%)	Median grain diameter	Maximum grain diameter	Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)
F-1	37.5975°	140.9252°	2015/10/24	7:39	7.4	384	18.3	1.5	1.3	2.630	6.2	24.3	61.8	6.6	0.6	0.5	0.64	4.8	460	2100	-
F-2	37.6016°	140.9433°		8:44	7.3	382	13.8	0.6	0.9	2.625	11.6	57.7	29.8	0.8	0.1	0.1	1.1	4.8	240	1000	0.38
F-3	37.6045°	140.9636°		10:13	7.3	380	21.9	1.1	1.6	2.621	1.1	8.1	78.1	11.1	1.0	0.6	0.44	4.8	600	2700	-
F-4	37.6070°	140.9720°		11:08	7.4	412	11.2	0.6	0.6	2.629	34.6	38.3	22.6	4.2	0.2	0.1	1.5	9.5	160	780	-
F-5	37.6022°	140.9868°		12:45	7.3	421	19.5	0.8	1.0	2.631	12.4	29.6	52.5	4.4	0.5	0.6	0.74	4.8	160	680	-

< Location F along the Ota River: Analysis items Aquatic organisms

*1: Organisms were collected in or around the targeted water area

*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.

*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: A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith.

*6: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40 μ m-mesh).

*7: River bottom materials (incl. algae) are algae, etc. that were scratched off stones with a brush, etc. and may incl.

*8: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

*9: Activity concentrations include counting errors, but the details are omitted here.