

○ Results of Radioactive Material Monitoring of Aquatic Organisms (Location C along the Uda River)

<Location C along the Uda River: Samples collected>

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

<Location C along the Uda River: Site measurement item>

Location & coordinates		Measurement item		Survey date and time			Water	Sediment			Other			
Locations	Items		Latitude and longitude of the location		Date	Time (water)	Time (sediment)	Water temperature (degrees C)	Sediment temperature (degrees C)	Property	Color	Contaminants	Water depth(m)	Transparency(cm)
	Scheduled latitude	Scheduled longitude												
C-1	37.7953°	140.7459°	2015/8/19	8:24	8:33	20.7	20.4	Sand with sediment	2.5Y3/2	Roots a little	0.34	>50		
C-2	37.7718°	140.7290°		9:10	9:22	21.1	19.1	Sediment with sand	2.5Y3/3	Plant	0.23	>50		
C-3	37.7792°	140.8040°		10:18	-	21.6	-	-	-	-	0.29	>50		
C-4	37.7687°	140.8443°		11:12	11:25	22.3	22.4	Sand	2.5Y4/4	Pebbles	0.19	>50		
C-5	37.7646°	140.8603°		12:58	13:08	23.8	23.8	Sand with sediment	2.5Y4/2	Plant pieces a little	0.53	>50		
C-6	37.7764°	140.8877°		13:48	13:56	22.8	22.6	Sand	2.5Y1/2	Plant pieces a little	0.40	>50		

<Location C along the Uda River:General survey items/Analysis of radioactive materials Water>

Location C along the Cui River	General survey items		Details of radioactive materials		Water											
Items	Latitude and longitude of the location		Survey date and time													
Locations	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)
C-1	37.7953°	140.7459°	2018/9/19	8:24	7.6	<0.5	2.2	8.9	12.3	0.07	0.8	2	1.3	0.0099	0.041	-
C-2	37.7718°	140.7290°		9:10	7.6	0.5	5.2	8.6	11.5	0.06	2.8	3	3.1	0.014	0.057	-
C-3	37.7792°	140.8040°		10:18	7.7	0.8	4.4	8.7	10.0	0.06	2.0	5	4.6	0.032	0.13	-
C-4	37.7687°	140.8443°		11:12	7.8	<0.5	3.3	9.4	10.2	0.06	1.6	2	2.6	0.014	0.054	0.00078
C-5	37.7646°	140.8603°		12:58	7.9	0.6	3.1	9.0	10.7	0.06	1.5	2	2.4	0.011	0.040	-
C-6	37.7764°	140.8877°		13:48	7.9	0.6	3.0	9.1	12.2	0.07	1.5	1	1.5	0.0063	0.023	-

< Location C along the Uda River: General survey items/Analysis of radioactive materials Sediment >

Location	Survey date and time										Grain size distribution								Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)
	Items	Latitude and longitude of the location		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 (0.005-0.0075mm)	Clay (Less than 0.005mm)	Median grain diameter	Maximum grain diameter				
		Scheduled latitude	Scheduled longitude							(%)	(%)	(%)	(%)	(%)	(%)	(%)	(Bq/kg-dry)				
Locations	2015/8/19	8:33	7.0	257	29.5	5.2	5.4	2.801	7.2	23.2	46.1	18.6	2.1	2.8	0.49	9.5	210	850	-		
		9:22	6.9	52	59.1	12.0	28.2	2.701	1.1	2.2	19.0	16.4	25.7	35.6	0.024	9.5	430	1600	-		
		11:25	7.2	281	12.9	1.4	2.2	2.740	47.2	30.9	19.2	2.1	0.3	0.3	1.9	19	130	510	0.36		
		13:08	7.0	175	22.9	2.2	4.5	2.724	25.0	25.2	29.5	8.7	4.9	6.7	0.86	19	180	680	-		
		12:56	7.2	229	19.2	2.2	2.2	2.751	14.2	25.7	49.2	8.0	0.6	1.2	4.8	6.0	63	220	-		
		14:00	7.2	227	19.2	2.2	2.2	2.751	14.2	25.7	49.2	8.0	0.6	1.2	4.8	6.0	63	220	-		

Location C along the Uda River: Analysis items - Aquatic organisms

*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.

*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 μm -mesh).

*7: 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.

*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.