

Results of Radioactive Material Monitoring of Aquatic Organisms (Location N along the Ukedo River)

<Location N along the Ukedo River: Samples collected>

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

<Location N along the Ukedo River: Site measurement item>

Items	Latitude and longitude of the location		Survey date and time			Water	Sediment			Other		
	Latitude	Longitude	Date	Time (water)	Time (sediment)		Water temperature (degrees C)	Sediment temperature (degrees C)	Property	Color	Contaminants	Water depth (m)
N-1	37.4998°	140.9835°	2021/12/8	09:20	09:15	9.2	9.2	Sand sediment	7.5Y5/2	None	0.40	>50
N-2	37.5070°	140.9456°		10:00	10:00	9.2	9.2	Sand	7.5Y6/3	None	0.40	>50
N-3	37.4754°	140.9598°	2021/12/9	14:37	14:37	9.3	9.0	Sand	7.5Y6/3	None	0.20	>50

<Location N along the Ukedo River: 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)	Electric conductivity (mS/m)	Salinity	TOC (mg/L)	SS (mg/L)	Turbidity (FNU)	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Sr-90 (Bq/L)
	Latitude	Longitude	Date	Time (water)												
N-1	37.4998°	140.9835°	2021/12/8	09:20	7.1	0.7	3.2	11.1	7.6	0.04	1.3	5	4.5	0.0039	0.12	0.0025
N-2	37.5070°	140.9456°		10:00	7.3	0.6	2.8	11.5	6.6	0.04	1.2	4	3.8	0.0034	0.12	-
N-3	37.4754°	140.9598°	2021/12/9	14:37	7.3	<0.5	2.7	11.7	7.6	0.04	1.2	8	6.4	N.D.(0.0015)	0.031	-

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

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

Items	Latitude and longitude of the location		Survey date and time		pH	Redox potential E _{NHE} (mV)	Water content (%)	IL (%)	TOC (mg/g-dry)	Soil particle density (g/cm ³)	Grain size distribution						Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)		
	Latitude	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 (mm)	Maximum grain diameter (mm)			
N-1	37.4998°	140.9835°	2021/12/8	09:15	7.3	121	31.1	3.9	9.9	2.600	0.8	6.4	39.5	34.2	12.6	6.5	0.23	4.8	200	6100	0.45
N-2	37.5070°	140.9456°		10:00	7.3	447	9.9	0.7	1.2	2.640	9.1	39.2	37.2	9.0	0.9	4.6	0.81	9.5	80	2300	-
N-3	37.4754°	140.9598°	2021/12/9	14:37	7.3	455	5.8	0.9	1.4	2.640	4.0	26.7	53.9	10.0	2.1	3.3	0.59	9.5	36	1100	-

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

