

◦Results of Radioactive Material Monitoring of Aquatic Organisms (Location C along the Mano River)

<Location C along the Mano River :Samples collected>

Items 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	—	○	—	—	○	—

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

Items Locations	Survey date and time	Latitude and longitude of the location		Water	Sediment					Other		
		Latitude	Longitude	Water temperature	Sediment temperature	Property	Color	Odor	Contaminants	Transparency	Water depth	
C-1	2011/12/26	15:45	37.72148	140.88943	3.3	3.7	Sand gravel	Blackish brown	None	Fallen leaves	>50	1.00
C-2		16:37	37.73313	140.92532	3.5	3.4	Sand gravel	Blackish brown	None	Fallen leaves	>50	0.20
C-3		16:48	37.71853	140.94172	3.5	1.3	Sand gravel	Olive black	None	Fallen leaves	>50	0.39
C-4		14:30	37.70915	140.95677	4.3	5.0	Sand	Olive black	None	Sandy sediments	>50	0.30
C-5		13:18	37.70528	140.96205	6.9	5.6	Sand/sediment	Dark olive brown	None	Sandy sediments	>50	0.43

<Location C along the Mano River: Analysis items Water>

Items Locations	Survey date and time	Latitude and longitude of the location		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)	
		Latitude	Longitude													
C-1	2011/12/26	15:45	37.72148	140.88943	7.5	<0.5	2.1	13.3	9.0	0.04	1.1	<1	0.4	0.13	0.17	0.0049
C-2		16:37	37.73313	140.92532	-	-	-	-	-	-	-	-	-	-	-	-
C-3		16:48	37.71853	140.94172	-	-	-	-	-	-	-	-	-	-	-	-
C-4		14:30	37.70915	140.95677	7.4	<0.5	1.6	13.3	11.9	0.05	0.9	<1	0.4	0.055	0.071	0.0031
C-5		13:18	37.70528	140.96205	-	-	-	-	-	-	-	-	-	-	-	-

<Location C along the Mano River: Analysis items Sediment>

Items Locations	Survey date and time	Latitude and longitude of the location		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							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)
C-1	2011/12/26	15:45	37.72148	140.88943	7.2	427	28.4	2.5	2.687	36.5	34.1	25.5	2.0	1.3	0.6	1.3996	26.5	1,200	1,700	2.4
C-2		16:37	37.73313	140.92532	7.2	384	24.8	1.9	2.692	48.3	23.4	24.3	2.6	1.0	0.4	1.8746	26.5	660	890	—
C-3		16:48	37.71853	140.94172	7.4	480	10.0	1.2	2.691	55.7	22.7	20.5	0.7	0.2	0.2	2.7580	37.5	490	660	—
C-4		14:30	37.70915	140.95677	7.3	475	20.8	1.3	2.683	5.2	26.9	61.4	5.0	0.9	0.6	0.6727	19	580	780	0.38
C-5		13:18	37.70528	140.96205	7.0	464	25.7	3.1	2.668	18.6	20.8	52.8	6.1	1.1	0.6	0.6873	26.5	450	620	—

<Location C along the Mano River: Analysis items Aquatic organisms>

Location	Sampling Date	Latitude and longitude of the location		Division	Class	Order	Family	Species name	English name	Population	Sample weight (kg,wet)	Cs-134 (Bq/kg,wet)	Cs-137 (Bq/kg,wet)	Sr-90 (Bq/kg,wet)	*Stomach contents	
		Latitude	Longitude													
C-6	2012/1/11	37.73117	140.90895	—	—	—	—	—	CPOM	—	3	470	670	—	—	
				Arthropoda	Insecta	Plecoptera	Perlidae	<i>Kamimura tibialis</i>	Kamimura tibialis	Many (approx. 600)	0.2	290	380	—	—	
				Arthropod	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	Protohermes grandis							
				Arthropod	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	Stenopsyche marmorata							
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius sp.</i>	R. sp. CB							40
C-2 C-4	2011/12/26	37.70915	140.95677	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	6	3	80	110	—	1.1	Unknown
Vertebrata				Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius cvieri</i>	Japanese crucian carp	2	1	210	290	—	—	Unknown	
Vertebrata				Osteichthyes	Cypriniformes	Cyprinidae	<i>Zacco platypus</i>	Zacco platypus	20	0.2	250	350	—	—	Unknown	