

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

< Location C along the Niida 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	○	○	○	—	○	—

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

Items Locations	Survey date and time		Latitude and longitude of the location		Water	Sediment					Other		
	Water	Sediment	Latitude	Longitude	Water temperature	Sediment temperature	Property	Color	Odor	Contaminants	Transparency	Water depth	
C-1	2012/8/22	10:23	10:35	37.6615	140.9113	31.3	25.5	Sand gravel	2.5Y-4/4	None	Pebbles	50<	0.1
C-2		—	12:24	37.6644	140.9452	—	28.2	Ooze	2.5Y-5/4	Faint hydrogen sulfide	Plant	50<	0.3
C-3		13:26	13:45	37.6442	140.9998	29.5	28.5	Sand	2.5Y-3/3	Faint ocean smell	Plant	50<	0.4

< Location C along the Niida 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	2012/8/22	10:23	37.6615	140.9113	7.8	<0.5	2.5	9.5	7.2	0.04	1.2	3	1.5	0.20	0.31	0.0031
C-2		—	37.6644	140.9452	—	—	—	—	—	—	—	—	—	—	—	—
C-3		13:26	37.6442	140.9998	7.4	<0.5	2.6	9.2	9.4	0.05	1.7	4	2.1	0.15	0.23	—

< Location C along the Niida 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 (g/cm ³)	Grain size distribution							Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)		
		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	2012/8/22	10:35	37.6615	140.9113	7.2	372	19.7	1.0	<1	2.658	36.4	48.1	14.2	0.7	0.6	1.6	19	970	1,600	0.34	
C-2		12:24	37.6644	140.9452	6.8	191	61.4	11.6	44	2.550	10.9	2.5	8.9	23.0	24.0	30.7	0.049	19	12,000	19,000	—
C-3		13:45	37.6442	140.9998	7.0	345	28.6	2.2	2	2.691	2.7	7.1	43.8	31.4	4.0	11.0	0.27	4.75	230	350	—

< Location C along the Niida 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)	Note	
		Latitude	Longitude												Growth stage	Stomach contents
C-1 C-2	2012/9/21	37.6615	140.9113	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	Hemibarbus barbus	1	1.1	630	990	—	Mature fish	Some (details unknown)
										21	0.070	79	120	—	Immature fish	—
										3	0.18	340	530	—	Mature fish	Some (details unknown)
										25	0.22	220	360	—	Mature fish	—
										13	0.18	150	240	—	Mature fish	—
										34	0.10	510	810	—	Mature fish	—
8	0.35	400	630	—	Mature fish	—										
8	0.49	240	360	—	Mature fish	Some (details unknown)										