

◎Results of Radioactive Material Monitoring of Aquatic Organisms (Location E along the Niida River)

< Location E along the Niida River: Samples collected >

Locations	General items						Radioactive materials		
	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)			
E-1	○	○	○	○	○	○			
E-2a	○	○	○	-	○	-			
E-2b	○	-	○	-	-	-			
E-3	○	○	○	-	○	-			
E-4	○	○	○	-	○	-			
E-5	○	○	○	-	○	-			

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

Items	Latitude and longitude of the location		Survey date and time		Water	Sediment				Other		
	Scheduled latitude	Scheduled longitude	Date	Time (water)		Water temperature (degrees C)	Sediment temperature (degrees C)	Property	Color	Contaminants	Water depth (m)	Transparency(cm)
E-1	37.6609°	140.9115°	2015/12/3	08:05	08:01	8.1	8.2	Sand	2.5Y4/3	None	0.31	>50
E-2a	37.6640°	140.9447°		10:13	10:22	8.6	8.7	Sediment with sand	2.5Y5/4	None	0.48	>50
E-2b	37.6635°	140.9452°		09:48	-	8.5	-	-	-	-	0.45	>50
E-3	37.6444°	141.0018°		13:08	13:13	10.5	10.7	Sand	2.5Y4/3	None	0.25	>50
E-4	37.6485°	140.9630°		11:15	11:21	9.3	9.5	Sand	2.5Y4/4	None	0.55	>50
E-5	37.6652°	140.9169°		09:05	09:00	8.4	8.5	Sand	2.5Y4/4	None	0.25	>50

< Location E along the Niida 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)	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)
	Scheduled latitude	Scheduled longitude	Date	Time (water)												
E-1	37.6609°	140.9115°	2015/12/3	8:05	7.3	<0.5	2.0	11.8	6.3	0.04	0.8	1	1.1	0.0075	0.031	0.0017
E-2a	37.6640°	140.9447°		10:13	7.3	<0.5	2.1	11.9	6.8	0.04	0.9	1	1.1	0.0073	0.031	-
E-2b	37.6635°	140.9452°		9:48	7.4	<0.5	2.1	11.9	6.8	0.04	0.9	2	1.1	0.0070	0.029	-
E-3	37.6444°	141.0018°		13:08	7.3	0.7	1.9	10.9	8.9	0.05	0.8	1	1.1	0.0073	0.032	-
E-4	37.6485°	140.9630°		11:15	7.4	<0.5	2.1	11.3	7.8	0.04	0.9	2	1.1	0.0082	0.032	-
E-5	37.6652°	140.9169°		9:05	7.4	<0.5	2.2	11.9	6.6	0.04	0.8	3	2.2	0.0095	0.042	-

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

Items	Latitude and longitude of the location		Survey date and time		pH	Redox potential EN.H.E (mV)	Water content (%)	IL (%)	TOC (mg/g-dry)	Soil particle density (g/cm³)	Grain size distribution					Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)			
	Scheduled latitude	Scheduled 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 (0.005-0.0075mm) (%)	Clay (Less than 0.005mm) (%)	Median grain diameter	Maximum grain diameter			
E-1	37.6609°	140.9115°	2015/12/3	8:01	7.2	400	18.0	0.8	1.2	2.651	34.5	45.1	19.5	0.4	0.3	0.2	1.5	19	130	640	0.17
E-2a	37.6640°	140.9447°		10:22	6.8	350	48.8	7.5	19.5	2.602	1.6	0.4	1.2	41.4	44.6	10.8	0.066	9.5	1400	6100	-
E-3	37.6444°	141.0018°		13:13	6.9	407	19.4	0.9	1.7	2.665	9.4	19.6	60.3	9.5	0.7	0.5	0.60	4.8	90	400	-
E-4	37.6485°	140.9630°		11:21	7.0	425	14.2	0.7	1.2	2.636	0.3	33.0	66.3	0.2	0.1	0.1	0.72	4.8	52	260	-
E-5	37.6652°	140.9169°		9:00	7.0	426	15.5	0.8	1.2	2.648	2.4	35.1	60.3	1.6	0.4	0.2	0.73	4.8	140	630	-

< Location E along the Niida River: Analysis items Aquatic organisms >

Location	Sampling point	Latitude and longitude of the location		Sampling Date	Division	Class	Order	Family	Species name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)	Cs-134	Cs-137	Sr-90
		Latitude	Longitude										Growth stage	Stomach contents	Measurement site				
E-2b	-	37.6635°	140.9452°	2015/12/3															