

○ Results of Radioactive Material Monitoring of Aquatic Organisms (Location L off Soma City)

<Location L off Soma City: Samples collected>

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

<Location L off Soma City: Site measurement item>

Items Locations	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	Odor	Contaminants	Water depth (m)	Secchi disk depth (m)
L-1	37.820950°	140.961067°	2013/12/10	—	9:42	—	10.4	Sand with silt	7.5Y4/2	None	None	—	—
L-2	37.815483°	140.976400°		8:12	9:00	11.6	11.0	Silt with sand	7.5Y3/2	Faint earth	None	2.3	2.3
L-3	37.821650°	140.976383°		8:34	9:19	11.5	11.1	Sand	7.5Y4/2	None	Shell fragments	1.7	1.7

<Location L off Soma City: General survey items/Analysis of radioactive materials Water>

Items Locations	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)
	Latitude	Longitude	Date	Time												
L-2	37.815483°	140.976400°	2013/12/10	8:12	8.1	0.6	1.4	9.1	4.980	32.54	1.3	2	1.1	0.0064	0.017	0.00078
L-3	37.821650°	140.976383°		8:34	8.1	0.7	1.4	9.2	5.080	32.57	0.9	2	0.9	0.0062	0.018	—

<Location L off Soma City: General survey items/Analysis of radioactive materials Sediment>

Items Locations	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						Median grain diameter (mm)	Maximum grain diameter (mm)	Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)
	Latitude	Longitude	Date	Time							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)					
											(%)	(%)	(%)	(%)	(%)	(%)					
L-1	37.820950°	140.961067°	2013/12/10	9:42	7.7	102	28.1	2.6	2	2.721	10.5	20.8	38.8	14.3	6.6	9.0	0.46	9.5	44	120	—
L-2	37.815483°	140.976400°		9:00	7.9	98	32.8	2.7	3	2.692	0	0.3	31.0	48.1	7.2	13.4	0.19	2	99	230	N.D.(<0.19)
L-3	37.821650°	140.976383°		9:19	8.0	112	23.8	1.2	<1	2.721	0	0.7	56.2	38.1	1.6	3.4	0.27	2	11	40	—

Note) N.D. means to be below the detection limit.

<Location L off Soma City: Survey items Aquatic organisms>

Location	Latitude and longitude of the location		Sampling Date	Division	Class	Order	Family	Species name	English name	Population	Sample weight (kg-wet)	Note		Cs-134 (Bq/kg-wet)	Cs-137 (Bq/kg-wet)	Sr-90 (Bq/kg-wet)		
	Latitude	Longitude										Growth stage	Stomach contents					
L-1 L-2 L-3 (Matsukawaura)	37.820950°	140.961067°	2013/12/10	Chlorophyta	Ulvophyceae	Ulvales	Ulvaceae	Ulva pertusa	Ulva pertusa	—	0.48	—	—	N.D.(<0.34)	N.D.(<0.32)	—		
				Angiospermae	Monocotyledoneae	Najadales	Zosteraceae	Zostera marina	Eel grass	—	0.25	—	—	—	N.D.(<1.1)	N.D.(<1.2)	—	
				Arthropod	Malacostraca	Mysida	Mysidae	Mysidae	Many	0.13	Imago	—	—	—	—	—	3.6	—
				Arthropod	Malacostraca	Varunidae	Varunidae	Hemigrapsus	132	0.068	Imago	—	—	—	—	3.8	8.9	—
				Mollusca	Bivalvia	Pterioidea	Ostreidae	Crassostrea gigas	18	0.19	Imago	—	—	—	—	0.61	1.2	—
				Mollusca	Bivalvia	Veneroidea	Veneridae	Ruditapes philippinarum	55	0.36	Imago	—	—	—	—	1.3	3.0	—

Note 1) When multiple types of aquatic organisms were collected, a sample was prepared by mixing them.

Note 2) For species with stomach contents as indicated in the note column, all stomach contents were removed for conducting the analysis.

Note 3) Underlined names in the English name column indicate species largest in number in the respective samples.

Note 4) A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith.

Note 5) N.D. means to be below the detection limit.