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

＜Location L off Soma City: Samples collected＞

Items	General items		Radioactive materials			
Locations	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	Latitude and longitude of the location		Survey date and time			Water	Sediment					Other	
Locations	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	37.820917°	140.960983°	2013/10/30	—	9:42	—	18.9	Sand with silt	7.5Y4/2	Faint earth	Some shell fragments	—	—
L-2	37.815467°	140.976333°		8:07	9:13	17.1	18.6	Silt with sand	7.5Y3/2	Faint earth	Some eelgrass, brown seaweed	1.7	1.7
L-3	37.821600°	140.976300°		8:33	9:24	18.0	18.2	Sand	7.5Y4/1	None	Some shell fragments	1.2	1.2

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

Items	Latitude and longitude of the location		Survey date and time		pH	BOD	COD	DO	Electrical conductivity	Salinity	TOC	SS	Turbidity	Cs-134	Cs-137	Sr-90
Locations	Latitude	Longitude	Date	Time		(mg/L)	(mg/L)	(mg/L)	(mS/m)		(mg/L)	(mg/L)	(FNU)	(Bq/L)	(Bq/L)	(Bq/L)
L-2	37.815467°	140.976333°	2013/10/30	8:07	8.0	<0.5	2.5	10.9	3,820	25.10	1.7	4	2.4	0.017	0.043	0.0012
L-3	37.821600°	140.976300°		8:33	8.0	<0.5	2.4	12.3	4,180	25.73	1.6	4	2.5	0.016	0.035	—

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

Items	Latitude and longitude of the location		Survey date and time		pH	Redox potential	Water content	IL	TOC	Soil particle density	Grain size distribution								Cs-134	Cs-137	Sr-90
											Gravel	Coarse sand	Medium sand	Fine sand	Silt	Clay	Median grain diameter	Maximum grain diameter			
						E_{NHE}					(2-75mm)	(0.85-2mm)	(0.25-0.85mm)	(0.075-0.25mm)	(0.005-0.075mm)	(Less than 0.005mm)					
Locations	Latitude	Longitude	Date	Time		(mV)	(%)	(%)	(mg/g-dry)	(g/cm3)	(%)	(%)	(%)	(%)	(%)	(%)	(mm)	(mm)	(Bq/kg-dry)	(Bq/kg-dry)	(Bq/kg-dry)
L-1	37.820917°	140.960983°	2013/10/30	9:42	7.7	241	22.8	2.1	2	2.717	9.2	13.3	43.7	20.2	6.7	6.9	0.41	19	45	98	—
L-2	37.815467°	140.976333°		9:13	7.9	206	34.1	2.8	2	2.698	0	0.2	24.5	62.5	6.2	6.6	0.19	2	65	150	N.D.(<0.14)
L-3	37.821600°	140.976300°		9:24	8.1	231	20.6	1.0	<1	2.778	0	0.9	60.1	36.4	0.7	1.9	0.29	2	11	24	—

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	Cs-137	Sr-90
	Latitude	Longitude										Growth stage	Stomach contents	(Bq/kg-wet)	(Bq/kg-wet)	(Bq/kg-wet)
L-1 (Matsukawaura)	37.820917°	140.960983°	2013/10/30	Algae/plant	—	—	—	—	Floating algae	—	0.043	—	—	9.8	23	—
L-2	37.815467°	140.976333°		Chlorophyta	Ulvophyceae	Ulvales	Ulvaceae	*Ulva pertusa*	Ulva pertusa	—	0.16	—	—	N.D.(<0.68)	1.5	—
L-3	37.821600°	140.976300°		Angiospermae	Monocotyledoneae	Najadales	Zosteraceae	*Zostera marina*	eel grass	—	0.24	—	—	1.1	2.2	—
				Arthropod	Malacostraca	Mysida	Mysidae	*Mysidae*	Mysidae	Many	0.032	Imago	—	N.D.(<1.4)	1.7	—
				Arthropod	Malacostraca	Decapoda	Palaemonidae	*Palaemon sp.*	Palaemon	92	0.028	Imago	—	2.4	4.1	—
				Arthropod	Malacostraca	Malacostraca	Varunidae	*Hemigrapsus sp.*	Hemigrapsus	70	0.040	Imago	—	6.9	15	—
				Annelida	Polychaeta	—	—	*Polychaeta*	polychaetes	41	0.0082	Imago	—	6.9	8.7	—
				Mollusca	Bivalvia	Pterioida	Ostreidae	*Crassostrea gigas*	Japanese oyster (molluscous part)	16	0.22	Imago	—	0.91	2.5	—
				Mollusca	Bivalvia	Veneroida	Veneridae	*Ruditapes philippinarum*	Japanese littleneck (molluscous part)	45	0.26	Imago	—	1.5	3.7	—
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Acanthogobius flavimanus*	Yellowfin Goby	10	0.088	Yearling fish	Small crustacea	1.8	3.9	—
				Vertebrata	Osteichthyes	Mugiliformes	Mugilidae	*Mugil cephalus*	Flathead mullet	15	0.23	Yearling fish	None	4.3	11	—

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.