

○ Results of Radioactive Material Monitoring of Aquatic Organisms (Location H off the mouth of the Abukuma River)

< Location H off the mouth of the Abukuma River: Samples collected >

Items Locations	General items		Radioactive materials			
	Water	Sediment	water (Cs)	water (Sr)	Sediment (Cs)	Sediment (Sr)
H-1	○	○	○	○	○	○
H-2	—	○	—	—	○	—
H-3	—	○	—	—	○	—
H-4	○	○	○	○	○	○
H-5	—	○	—	—	○	—

< Location H off the mouth of the Abukuma River: Site measurement item >

Items Locations	Survey date and time	Latitude/Longitude		Water		Sediment				Other		
		Latitude	Longitude	Water temperature	Sediment temperature	Property	Color	Odor	Contaminants	Secchi disk depth	Water depth	
H-1	H24.2.22	9:33	38.04568	140.92823	6.0	6.6	Fine sand	5Y3/1	None	None	2.2	4.0
H-2		10:05	38.04567	140.93423	—	6.5	Fine sand	5Y3/1	None	Polychaeta	3.5	10.0
H-3		10:28	38.04552	140.94013	—	6.4	Fine sand	7.5Y3/1	None	Shellfish fry	4.8	16.0
H-4		10:40	38.04562	140.94563	6.1	6.1	Silt	7.5Y2/1	None	Polychaeta	6.0	18.5
H-5		11:10	38.04583	140.95180	—	5.3	Sand mixed clay	2.5Y2/1	None	Shellfish fry	6.5	20.0

< Location H off the mouth of the Abukuma River: Analysis items Water >

Items Locations	Survey date and time	Latitude/Longitude		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													
H-1	2012/2/22	9:33	38.04568	140.92823	7.7	1.1	1.9	11.8	4.530	30.27	1.3	3	2.9	0.037	0.050	0.0023
H-2		10:05	38.04567	140.93423	-	-	-	-	-	-	-	-	-	-	-	-
H-3		10:28	38.04552	140.94013	-	-	-	-	-	-	-	-	-	-	-	-
H-4		10:40	38.04562	140.94563	8.1	1.3	2.4	10.6	4.760	32.38	1.1	1	1.9	0.032	0.044	0.0021
H-5		11:10	38.04583	140.95180	-	-	-	-	-	-	-	-	-	-	-	-

< Location H off the mouth of the Abukuma River: Analysis items Sediment >

Items Locations	Survey date and time	Latitude and longitude of the location		pH	Redox potential E <sub>NHE</sub> (mV)	Water content (%)	IL (%)	TOC mg/g.dry	Soil particle density (g/cm <sup>3</sup> )	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)				
H-1	2012/2/22	9:33	38.04568	140.92823	8.4	393	26.5	1.5	<1	2.730	—	0.5	25.2	73.0	1.1	0.2	0.1862	2	58	74	<0.11
H-2		10:05	38.04567	140.93423	8.2	170	32.2	3.0	2	2.724	—	0.1	3.2	73.0	15.8	7.9	0.1076	2	190	250	—
H-3		10:28	38.04552	140.94013	8.1	292	32.4	3.0	2	2.695	—	0.1	1.2	70.0	19.0	9.7	0.1013	2	230	340	—
H-4		10:40	38.04562	140.94563	8.1	33	45.9	6.2	12	2.646	0.1	0.1	0.5	16.6	55.1	27.6	0.0227	4.75	160	220	0.18
H-5		11:10	38.04583	140.95180	7.7	31	52.1	7.9	13	2.657	—	0.1	0.4	24.8	50.0	24.7	0.0262	2	240	340	—

< Location H off the mouth of the Abukuma 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												
H-1-5	2012/2/22	38.04568	140.92823	Mollusca	Bilvalvia	Veneridae	Maetra chinensis	<i>Pseudocardium sachalinense</i>	Sakhalin surf clam (molluscan body)	13	0.8	8.7	11	—	—
		38.04567	140.93423							13	0.8	—	—	ND (<0.012)	
		38.04552	140.94013							13	1.35	1.7	1.9	—	
	38.04562	140.94563	13	1.35	—	—	0.49	—							
2012/2/26	38.04583	140.95180	Vertebrata	Osteichthyes	Osmeriformes	Japanese icefish	<i>Salangichthys microdon</i>	Japanese icefish	Many	1	0.95	1.2	—	—	
	Many	2	—	—	0.029	—									