

○Results of Radioactive Material Monitoring of Aquatic Organisms/Lake Inawashiro (north lakeside) / Lake Inawashiro (south lakeside) J

< Lake Inawashiro (north lakeside) / Lake Inawashiro (south lakeside) J: Samples collected >

Items Locations	General items			Radioactive materials		
	Water	Sediment	Water(Cs)	Water(Sr)	Sediment(Cs)	Sediment(Sr)
I-1	○	○	○	○	○	○
I-2	—	—	—	—	—	—
I-3	○	○	○	—	○	—
I-4	○	○	○	—	○	—
J-1	○	○	○	—	○	—

< Lake Inawashiro (north lakeside) / Lake Inawashiro (south lakeside) J: Site measurement item >

Items Locations	Survey date and time			Latitude and longitude of the location		Water		Sediment				Other	
	Date	Time(Water)	Time (Sediment)	Latitude	Longitude	Water temperature (degrees C)	Sediment temperature (degrees C)	Property	Color	Odor	Contaminants	Water depth (m)	Transparency (m)
I-1	2012/12/7	10:15	10:32	37.504683°	140.114333°	2.5	7.3	Ooze	7.5Y-2/1	Faint hydrogen sulfide	Plant	11.5	8.5
I-2	2012/12/7	—	10:57	37.499467°	140.140883°	1.2	6.5	Sand/sediment	5Y-2/1	Faint hydrogen sulfide	Freshwater clams	15.5	8.8
I-3	2012/12/7	12:45	12:56	37.507700°	140.026250°	1.0	6.4	Ooze	5Y-3/2	Faint hydrogen sulfide	None	6.5	6.5 (Drifting to the bottom)
I-4	2012/12/7	—	9:17	37.515967°	140.109167°	1.5	6.0	Sand/gravel	5Y-6/2	None	Plant	2.5	2.5 (Drifting to the bottom)
J-1	2012/12/7	11:55	12:05	37.420333°	140.100833°	6.5	6.7	Sand	7.5Y-5/2	None	Freshwater clams	4.1	4.1 (Drifting to the bottom)

< Lake Inawashiro (north lakeside) / Lake Inawashiro (south lakeside) J: General survey items/Analysis of radioactive materials 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)
	Date	Time	Latitude	Longitude												
I-1 (Surface layer)	2012/12/7	10:15	37.504683°	140.114333°	6.6	0.6	1.6	10.9	11.5	0.05	1.0	3	1.4	0.023	0.036	—
I-1 (Deep layer)	—	—	—	—	6.5	<0.5	1.5	11.5	11.4	0.05	0.6	4	0.7	0.021	0.037	0.00095
I-3 (Surface layer)	2012/12/7	12:45	37.507700°	140.026250°	6.6	0.7	1.2	11.3	11.4	0.05	0.6	<1	1.2	0.020	0.035	—
I-3 (Deep layer)	—	—	—	—	6.6	0.5	1.2	10.8	11.5	0.06	0.5	2	0.6	0.022	0.043	—
J-1 (Surface layer)	2012/12/7	11:55	37.420333°	140.100833°	6.6	1.2	2.1	11.0	11.5	0.06	0.4	<1	0.7	0.023	0.041	—
J-1 (Deep layer)	—	—	—	—	6.6	0.7	1.9	11.1	11.6	0.06	0.7	1	0.5	0.019	0.035	—

< Lake Inawashiro (north lakeside) / Lake Inawashiro (south lakeside) J: General survey items/Analysis of radioactive materials Sediment >

Items Locations	Survey date and time		Latitude and longitude of the location		pH	Redox potential E _h (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)		
	Date	Time	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) (%)	
I-1	2012/12/7	10:32	37.504683°	140.114333°	6.7	13	78.5	11.3	30	2.571	—	0.4	5.9	50.4	25.0	18.3	0.110	2.200	3.800	0.50		
I-2	2012/12/7	10:57	37.499467°	140.140883°	6.6	32	46.9	3.9	10	2.638	—	2.6	10.9	8.8	44.5	15.1	18.1	0.120	9.50	61.0	1.100	
I-3	2012/12/7	12:56	37.507700°	140.026250°	6.7	103	73.1	10.9	28	2.568	—	0.0	0.8	15.5	41.1	42.6	0.009	2.00	52	95	—	
I-4	2012/12/7	9:17	37.515967°	140.109167°	6.3	324	22.2	1.9	1	2.674	—	15.2	20.4	56.7	5.9	1.8	1.8	0.640	19.00	42	77	—
J-1	2012/12/7	12:05	37.420333°	140.100833°	6.6	181	33.1	1.9	2	2.647	—	0.4	3.1	82.1	11.5	2.9	0.540	9.50	66	100	—	

< Lake Inawashiro (south lakeside) J: 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
J-1 (south lakeside)	2012/12/7	37.420333°	140.100833°	Angiospermae	Dicotyledoneae	Nymphaeales	Nymphaeales	<i>Niphar japonicum</i>	Cow lily	—	0.63	2.3	4.0	—	—	—
								<i>Bellamyia japonica</i>	Japanese mysterysnail	5	0.052	N.D.(<1.2)	1.7	—	Adult	—
								<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	21	0.033	1.5	3.2	—	Mature fish	—
								—	—	14	0.018	N.D.(<2.9)	N.D.(<2.4)	—	Larva	—

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