

○Results of Radioactive Material Monitoring of Aquatic Organisms (Location M off Iwaki City)

< Location M off Iwaki City (Hisano-hama); Samples collected ≥

Location on Waka City	General items			Radioactive materials		
	Water	Sediment	Water (Cs)	Water (Sr)	Sediment (Cs)	Sediment (Sr)
M-1	—	○	○	○	○	○
M-2	○	—	○	—	○	○
M-3	—	○	—	—	○	—
M-4	—	—	—	—	—	—

<Location M off Iwaki City (Hisanohama): Site measurement item>

### General survey items/Analysis of radioactive materials Water >

Geographic Survey Results 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												
M-2 (Surface layer)	37.19920°	141.08567°	2014/9/5	8:40	8.1	<0.5	1.5	8.2	5,180	33.05	1.1	3	0.6	0.0034	0.0099	—
M-2 (Deep layer)				8:50	8.1	<0.5	1.8	9.1	5,250	33.60	0.9	3	0.6	0.0013	0.0044	0.00

<Location M off Iwaki City (Hisanohama): 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/cm³)	Grain size distribution							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)	Median grain diameter (mm)	Maximum grain diameter (mm)			
											(%)	(%)	(%)	(%)	(%)	(%)	(mm)	(mm)			
M-1	37.17313°	141.07577°	2014/9/5	8:15	7.9	245	28.6	2.0	1.9	2.738	0.0	0.4	1.6	82.7	7.5	7.8	0.15	2	30	130	—
M-2	37.19920°	141.08567°		9:20	8.0	238	26.5	1.8	1.7	2.776	0.9	0.8	2.7	92.0	1.6	2.0	0.16	9.5	24	84	N.D.(0.18)
M-3	37.23214°	141.09353°		9:45	8.0	243	27.9	2.1	1.8	2.753	1.2	0.7	2.6	87.2	4.1	4.2	0.16	9.5	42	130	—

Note) N.D. means to be below the detection limit and figures in parentheses show the detection limit.

### <Location M off Iwaki City (Hisano-hama): Survey items Aquatic organisms

\*1: Organisms were collected in or around the targeted water area.

\*2: When multiple types of aquatic organisms were collected, a sample was prepared by mixing them.

\*3: For a sample made of multiple types of aquatic organisms, the name of the dominant one largest in number is underlined.

\*4: Basically, measurement was conducted for all organism samples. Viscera (stomach and bowels) were removed for the measurement when possible so that undigested food and sediments, etc. in the digestive system would be excluded.

\*5: A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith.

\*6: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with

\*7: River bottom materials (incl. algae) are algae, etc. that were scratched off stones with a brush, etc. and may include very fine particles such as silt.

\*8: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

\*9: Activity concentrations include counting errors, but the details are omitted here.