



## &lt;Location H in Lake Akimoto: Analysis items Aquatic organisms&gt;

Locations	Sampling point	Latitude and longitude of the location		Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			
		Latitude	Longitude										Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	
H-1 H-2 H-3	In the lake	37.6575° 37.6616° 37.6653°	140.1264° 140.1226° 140.1329°	2016/10/18	Arthropoda	Malacostraca	Decapoda	Astacidae	<i>Pacifastacus leniusculus trowbridgii</i>	Signal crayfish	8	0.54	Imago	-	-	18.9	2.9	16	-
					Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	7	1.3	Mature fish	Midge	Viscera removed	62.5	8.5	54	0.82
					Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Zacco platypus</i>	Pale chub	7	0.074	Immature fish	-	-	15.9	2.9	13	-
					Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	Carassius auratus langsorfii	5	0.60	Mature fish	Obscure digesta	Viscera removed	42.4	6.4	36	-
					Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	1.9	Mature fish	Amorphous Residue	Viscera removed	26.0	4.0	22	-
					Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	Hemibarbus barbus	4	2.7	Mature fish	Empty stomach	Viscera removed	51.9	7.9	44	1.1
					Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Hypomesus nipponensis</i>	Japanese smelt	18	0.10	Mature fish	-	-	10.2	1.4	8.8	-
					Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Salvelinus leucomaenis</i>	Char	4	1.1	Mature fish	Japanese smelt	Viscera removed	35.0	5.0	30	-
					Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	8	2.7	Immature fish,Mature fish	Japanese smelt,Common prawn	Viscera removed	66.8	8.8	58	1.0
					Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis macrochirus</i>	Bluegill	1	0.23	Mature fish	Common prawn	Viscera removed	39.4	4.4	35	-
H-3	The confluence with Nakatsu River	37.6653°	140.1329°	2016/10/18	Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.24	-	-	-	17.8	2.8	15	-
H-4	Within the lake and rivers in the vicinity	37.6551°	140.1181°	2016/10/18	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.021	-	-	-	N.D.	N.D.(1.9)	N.D.(1.5)	-
					Algae/plant	Monocotyledoneae	Alismatales	Hydrocharitaceae	<i>Elodea nuttallii</i>	Western Waterweed	-	0.31	-	-	-	3.85	0.65	3.2	-
					Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	Anotogaster sieboldii	24	0.030	Larva (Dragonfly larva)	-	-	10.9	2.1	8.8	-
					Mollusca	Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	Semisulcospira libertina	30	0.013	Imago	-	Molluscous part	8.2	N.D.(3.0)	8.2	-
					Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagowskii steindachneri</i>	Amur Minnow	5	0.030	Immature fish,Mature fish	-	-	11.6	1.6	10	-

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

\*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 English 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: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40μm-mesh).

\*6: River bottom materials (incl. algae, etc. that were scratched off stones with a brush, etc. and may include very fine particles such as inorganic silt and clay.

\*7: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

\*8: Activity concentrations include counting errors, but the details are omitted here.