

○ Results (water)

Locations				2024 June - July Survey											
		Latitude	Longitude	pH	BOD (mg/L)	COD (mg/L)	DO (mg/L)	Electric conductivity (mS/m)	Salinity	TOC (mg/L)	SS (mg/L)	Turbidity (FNU)	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Sr-90 (Bq/L)
Abukuma River System	A-1(Surface layer)	37.6210°	140.5218°	7.3	1.6	5.8	8.2	18.6	0.09	2.7	9	3.7	N.D.(0.0014)	0.018	0.00090
	A-1(Bottom layer)	37.6210°	140.5218°	7.4	1.9	6.2	8.1	18.2	0.09	2.7	11	4.5	N.D.(0.0015)	0.018	-
	A-2	37.5673°	140.3946°	7.5	1.1	3.8	9.6	13.8	0.07	1.5	6	2.0	N.D.(0.0016)	0.018	-
	B-2	37.8121°	140.5058°	7.4	1.8	5.3	9.0	19.2	0.09	2.0	18	4.4	N.D.(0.0014)	0.026	-
	B-3	37.8182°	140.4679°	7.7	0.9	2.6	10.4	8.9	0.05	1.3	2	1.2	N.D.(0.0015)	0.0025	-
Uda River	C-6	37.7764°	140.8877°	7.8	0.6	2.7	9.3	12.0	0.06	1.2	1	1.4	N.D.(0.0016)	0.0037	0.00096
Mano River	D-4 a	37.7308°	140.9081°	7.3	0.8	3.2	7.8	17.9	0.09	0.9	5	3.1	N.D.(0.0016)	0.018	0.00071
Niida River	E-2 a	37.6640°	140.9447°	7.6	1.1	3.3	9.9	9.8	0.05	1.6	2	1.7	N.D.(0.0014)	0.019	0.0019
Ota River	F-1	37.5975°	140.9252°	7.5	0.7	2.8	9.6	6.4	0.04	1.2	1	0.9	N.D.(0.0016)	0.064	0.0032
Ukedo River	N-1	37.4998°	140.9835°	6.9	1.0	2.4	10.0	10.2	0.05	1.1	2	1.8	N.D.(0.0017)	0.085	0.0024
	N-2	37.5070°	140.9456°	7.3	0.6	1.7	10.1	7.4	0.04	0.8	<1	0.5	N.D.(0.0015)	0.060	-
	N-3	37.4754°	140.9598°	7.5	0.6	2.1	9.1	8.3	0.05	0.8	2	1.0	N.D.(0.0016)	0.024	-
Tomioka River	O-1	37.3547°	140.9780°	7.4	1.0	2.2	8.9	9.7	0.05	0.8	2	1.0	N.D.(0.0014)	0.013	0.0011
	O-2	37.3624°	140.9612°	7.5	0.9	2.3	8.8	9.0	0.05	0.8	5	1.6	N.D.(0.0017)	0.013	-
Lake Hayama (Mano Dam)	G-1(Surface layer)	37.7348°	140.8102°	7.4	1.0	3.8	8.9	8.1	0.05	1.8	3	2.5	N.D.(0.0014)	0.0077	-
	G-1(Bottom layer)	37.7348°	140.8102°	7.5	1.0	3.7	8.5	8.6	0.05	1.8	3	2.0	N.D.(0.0013)	0.010	0.0010
	G-2(Surface layer)	37.7267°	140.8223°	7.9	0.9	3.5	9.2	8.1	0.04	2.0	1	1.3	N.D.(0.0015)	0.0064	-
	G-2(Bottom layer)	37.7267°	140.8223°	7.1	0.6	3.2	7.8	8.4	0.05	1.7	2	1.3	N.D.(0.0014)	0.014	-
	G-4	37.7382°	140.8035°	7.7	0.6	3.2	8.5	9.4	0.05	1.5	<1	0.7	N.D.(0.0014)	0.0067	-
Lake Akimoto	H-1(Surface layer)	37.6575°	140.1264°	7.3	1.7	3.6	8.8	5.0	0.03	1.5	7	2.2	N.D.(0.0014)	0.0030	-
	H-1(Bottom layer)	37.6575°	140.1264°	6.9	1.0	3.2	8.2	4.7	0.03	1.5	2	1.3	N.D.(0.0014)	0.0019	0.00089
	H-2(Surface layer)	37.6616°	140.1226°	7.2	1.6	3.2	8.9	4.9	0.03	1.3	4	2.4	N.D.(0.0015)	0.0078	-
	H-2(Bottom layer)	37.6616°	140.1226°	7.1	1.7	4.0	9.7	4.7	0.03	1.5	6	3.4	N.D.(0.0016)	0.011	-
Lake Inawashiro	J-1(Surface layer)	37.4203°	140.1008°	6.9	1.0	1.6	9.6	12.2	0.06	0.8	1	0.4	N.D.(0.0015)	0.0036	-
	J-1(Bottom layer)	37.4203°	140.1008°	7.0	0.8	1.5	9.6	12.3	0.08	0.8	<1	0.4	N.D.(0.0016)	0.0035	0.00082
Off the mouth of the Abukuma River (Sea Area in front of the mouth of the Abukuma River)	K-3(Surface layer)	38.0458°	140.9518°	8.1	1.7	3.2	7.9	3760	24.67	1.7	2	1.9	N.D.(0.0024)	0.0039	-
	K-3(Bottom layer)	38.0458°	140.9518°	7.7	1.0	1.7	3.1	4970	34.22	1.1	1	0.8	N.D.(0.0015)	0.0075	0.0012
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	7.8	2.3	3.6	5.9	4670	31.91	2.0	12	7.7	N.D.(0.0015)	0.022	0.0013
Off Iwaki City (Hisanohama)	M-2(Surface layer)	37.1996°	141.0853°	8.1	1.9	1.5	8.1	4970	34.28	1.2	2	0.6	N.D.(0.0016)	0.0024	-
	M-2(Bottom layer)	37.1996°	141.0853°	7.9	1.3	1.2	6.0	4970	34.34	1.0	<1	0.5	N.D.(0.0014)	0.0024	0.00093

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

○ Results (sediments)

Locations				2024 June - July Survey																
	Latitude	Longitude	pH	Redox potential E _{N,H,E} (mV)	Water content (%)	IL (%)	TOC (mg/g-dry)	Soil particle density (g/cm ³)	Grain size distribution								Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)	
									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)				
Abukuma River System	A-1	37.6210°	140.5218°	6.9	138	63.3	10.5	34.0	2.550	0.0	0.0	0.7	21.9	48.0	29.4	0.020	2.0	6.8	560	0.37
	A-2	37.5673°	140.3946°	7.2	502	27.4	2.3	2.8	2.650	5.4	42.1	47.4	2.9	2.2		0.82	4.8	1.9	100	-
	B-2	37.8121°	140.5058°	7.4	504	23.8	2.1	2.1	2.690	0.1	1.7	68.7	23.3	2.2	4.0	0.34	4.8	1.8	110	-
	B-3	37.8182°	140.4679°	7.3	508	16.6	1.2	1.3	2.610	47.1	45.7	5.7	1.3	0.2		1.9	9.5	0.43	30	-
Uda River	C-6	37.7764°	140.8877°	7.6	465	22.4	1.1	0.7	2.680	18.2	52.4	27.3	1.4	0.7		1.2	4.8	0.49	36	0.25
Mano River	D-4 a	37.7308°	140.9081°	7.4	485	19.6	2.5	2.5	2.710	42.1	33.6	11.3	11.0	2.0		1.7	9.5	2.6	140	0.87
Niida River	E-2 a	37.6640°	140.9447°	7.3	512	21.3	1.5	3.5	2.670	31.6	50.8	12.5	2.8	2.3		1.5	4.8	3.4	280	0.14
Ota River	F-1	37.5975°	140.9252°	7.1	482	22.1	1.3	2.3	2.640	20.0	32.2	38.6	5.1	0.4	3.7	0.90	4.8	4.4	350	0.47
Ukedo River	N-1	37.4998°	140.9835°	6.9	334	21.1	1.0	1.3	2.650	21.8	23.5	47.0	6.8	0.9		0.77	19	32	1900	N.D.(0.13)
	N-2	37.5070°	140.9456°	7.3	510	21.6	0.8	0.4	2.630	23.6	41.7	32.8	0.9	1.0		1.2	9.5	30	2000	-
	N-3	37.4754°	140.9598°	7.2	520	25.9	1.0	0.6	2.620	0.0	6.9	89.1	3.2	0.8		0.55	4.8	25	1500	-
Tomioka River	O-1	37.3547°	140.9780°	7.4	515	23.1	1.3	1.0	2.670	11.5	51.8	33.8	1.0	1.9		1.1	9.5	3.4	180	N.D.(0.13)
	O-2	37.3624°	140.9612°	7.3	503	24.1	1.6	1.8	2.670	19.9	36.1	40.4	1.4	2.2		0.96	19	3.7	200	-
Lake Hayama (Mano Dam)	G-1	37.7348°	140.8102°	7.0	232	55.9	12.5	32.0	2.510	0.0	0.0	0.2	15.2	65.2	19.4	0.026	2.0	23	1600	2.4
	G-2	37.7267°	140.8223°	7.1	459	19.9	1.4	1.5	2.650	15.3	27.9	38.6	13.8	1.4	3.0	0.71	9.5	2.9	140	-
	G-4	37.7382°	140.8035°	7.4	473	25.2	2.2	1.9	2.620	3.4	15.8	61.0	14.0	1.8	4.0	0.46	4.8	3.6	210	-
Lake Akimoto	H-1	37.6575°	140.1264°	6.6	207	69.9	11.3	37.0	2.490	0.0	0.0	0.1	0.6	68.4	30.9	0.0097	2.0	21	1500	1.1
	H-2	37.6616°	140.1226°	6.5	123	69.5	15.6	53.0	2.430	0.0	0.0	0.0	0.1	70.7	29.2	0.0092	0.85	4.9	350	-
Lake Inawashiro	J-1	37.4203°	140.1008°	6.7	390	25.1	1.0	1.3	2.700	0.7	2.8	62.5	30.3	0.4	3.3	0.30	9.5	0.75	48	N.D.(0.13)
Off the mouth of the Abukuma River (Sea Area in front of the mouth of the Abukuma River)	K-3	38.0458°	140.9518°	7.5	125	39.5	4.4	4.4	2.740	0.0	0.3	0.4	31.8	57.0	10.5	0.057	4.8	2.9	150	N.D.(0.13)
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	7.7	465	20.9	1.6	0.6	2.700	21.8	28.3	43.5	4.8	1.6		0.85	9.5	N.D.(0.25)	13	N.D.(0.12)
Off Iwaki City (Hisanohama)	M-2	37.1996°	141.0853°	7.8	392	27.1	2.3	1.2	2.810	1.4	1.0	2.2	88.3	3.0	4.1	0.16	9.5	0.90	54	N.D.(0.13)

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

○ Results (aquatic organisms)

Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)										
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137											
Abukuma River System	A-1	The main stream of the Abukuma River	2024/6/20	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0058	-	-	-	240	N.D.(24)	240	-										
			Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	32	0.0086	Larva (Dragonfly larva)	-	-	-	N.D.	N.D.(4.8)	N.D.(4.1)	-									
			Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>																			
			Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>																			
			Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>																			
			Arthropoda	Insecta	Odonata	Gomphidae	<i>Asiagomphus melaenops</i>	<i>Asiagomphus melaenops</i>																			
		Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>																				
		2024/6/21	Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	1	0.010	Imago	-	-	-	10	N.D.(4.7)	10	-									
		2024/6/20	Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Neocaridina</i> sp.	Neocaridina	624	0.17	Juvenile,Imago	-	-	-	2.2	N.D.(0.36)	2.2	-									
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	11	0.23	Immature fish, Mature fish	Obscure digesta	Viscera removed	4.1	N.D.(0.32)	4.1	-										
		2024/6/21	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	89	0.83	Immature fish, Mature fish	-	-	3.9	N.D.(0.40)	3.9	-										
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorfii</i>	6	5.0	Mature fish	Obscure digesta	Viscera removed	2.7	N.D.(0.31)	2.7	0.29										
		2024/6/21	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbuis</i>	<i>Hemibarbus barbuis</i>	1	0.17	Immature fish	Obscure digesta	Viscera removed	3.3	N.D.(0.30)	3.3	-										
			Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	5	0.046	Immature fish, Mature fish	-	-	3.3	N.D.(0.86)	3.3	-										
		2024/6/20	Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	167	0.44	Immature fish	-	-	1.2	N.D.(0.26)	1.2	-										
			Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	1	0.86	Mature fish	Red swamp crawfish	Viscera removed	7.1	N.D.(1.1)	7.1	-										
	2024/6/21	Vertebrata	Osteichthyes	Siluriformes	Ictaluridae	<i>Ictalurus punctatus</i>	Channel catfish	4	5.7	Immature fish, Mature fish	Fish	Viscera removed	6.5	N.D.(1.1)	6.5	0.14											
		Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.21	-	-	-	15	N.D.(1.2)	15	-											
	A-2	Harase River	2024/6/20	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0080	-	-	-	80	N.D.(11)	80	-									
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	95	0.050	Larva (Dragonfly larva)	-	-	-	5.0	N.D.(1.3)	5.0	-								
				Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>																		
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Nihonogomphus viridis</i>	<i>Nihonogomphus viridis</i>																		
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>																		
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>																		
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius</i> sp.	Davidius																		
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Anisogomphus maacki</i>	<i>Anisogomphus maacki</i>																		
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Sympetrum</i> sp.	Sympetrum																		
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Orthetrum albistylum speciosum</i>	Common skimmer																		
Arthropoda				Insecta	Odonata	Aeshnidae	<i>Boyeria maclachlani</i>	<i>Boyeria maclachlani</i>																			
Arthropoda				Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	17											0.21	Juvenile,Imago	-	-	8.3	N.D.(0.65)	8.3	-
Arthropoda				Malacostraca	Decapoda	Atyidae	<i>Neocaridina</i> sp.	Neocaridina	469											0.13	Juvenile	-	-	4.4	N.D.(4.0)	4.4	-
Vertebrata				Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus pollux</i>	Japanese fluvial sculpin	1											0.0089	Immature fish	-	-	12	N.D.(4.0)	12	-
Vertebrata				Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagowskii steindachneri</i>	Amur minnow	48											0.14	Immature fish, Mature fish	-	-	4.5	N.D.(0.53)	4.5	-
Vertebrata				Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	1											0.015	Immature fish	-	-	25	N.D.(3.3)	25	-
Vertebrata			Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	196	0.41											Immature fish	-	-	6.0	N.D.(0.31)	6.0	-	
Vertebrata			Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	95	0.17	Immature fish	-	-	4.5	N.D.(0.53)	4.5	-											
Vertebrata			Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	29	0.093	Immature fish, Mature fish	-	-	5.4	N.D.(0.78)	5.4	-											
Vertebrata			Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	290	1.0	Immature fish	-	-	3.5	N.D.(0.37)	3.5	0.16											
Vertebrata			Cephalaspidomorpha	Petromyzontiformes	Petromyzontidae	<i>Lethenteron reissneri</i>	Far eastern brook lamprey	3	0.021	Ammocoetes(larva)	-	-	3.7	N.D.(2.1)	3.7	-											
Vertebrata			Amphibia	Anura	-	-	-	Frog	219	0.13	Larva(Tadpole)	-	-	60	N.D.(1.9)	60	-										
Vertebrata	Amphibia	Anura	Ranidae	<i>Rana japonica</i>	Japanese brown frog	3	0.026	Imago	-	-	-	11	N.D.(1.6)	11	-												
Vertebrata	Amphibia	Anura	Glandirana	<i>Glandirana rugosa</i>	Wrinkled frog																						
Coarse Particulate Organic Matter	-	-	-	-	-	Bottom fallen leaves	-	0.22	-	-	-	38	N.D.(1.4)	38	-												

*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) are 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.

Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)		
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137			
Abukuma River System	B-3	Surikami River	2024/6/21	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.016	-	-	-	32	N.D.(5.2)	32	-		
				Algae/plant	Monocotyledoneae	Najadales	Potamogetonaceae	<i>Potamogeton crispus</i>	Curly-leaf pondweed	-	0.29	-	-	-	2.2	N.D.(0.31)	2.2	-	
				Arthropoda	Insecta	Plecoptera	Perlidae	<i>Paragnetina suzukii</i>	<i>Paragnetina suzukii</i> Okamoto	34	0.020	Larva	-	-	-	N.D.	N.D.(2.3)	N.D.(1.9)	-
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	231	0.081	Larva	-	-	-	4.1	N.D.(0.74)	4.1	-
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	169	0.090	Larva (Dragonfly larva)	-	-	-	0.91	N.D.(0.43)	0.91	-
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Nihonogomphus viridis</i>	<i>Nihonogomphus viridis</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>	223	0.22	Larva	-	-	-	0.65	N.D.(0.29)	0.65	-
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>										
				Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	6	0.087	Juvenile, Imago	-	-	-	3.9	N.D.(0.47)	3.9	-
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	1	0.10	Immature fish	Sieboldius albardae	Viscera removed	-	2.6	N.D.(0.48)	2.6	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus pollux</i>	Japanese fluvial sculpin	64	0.45	Immature fish	-	-	-	2.0	N.D.(0.29)	2.0	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagowskii steindachneri</i>	Amur minnow	67	0.30	Immature fish, Mature fish	-	-	-	1.6	N.D.(0.28)	1.6	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	3	0.029	Immature fish	-	-	-	2.5	N.D.(1.2)	2.5	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Pseudogobio esocinus esocinus</i>	<i>Pseudogobio esocinus esocinus</i>	2	0.030	Immature fish, Mature fish	-	-	-	2.6	N.D.(1.5)	2.6	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	1.3	Mature fish	Obscure digesta	Viscera removed	-	2.3	N.D.(0.30)	2.3	0.28
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Cobitis biwae</i>	<i>Cobitis biwae</i>	12	0.056	Mature fish	-	-	-	3.7	N.D.(0.86)	3.7	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	1	0.022	Mature fish	-	-	-	2.9	N.D.(1.5)	2.9	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	63	0.79	Immature fish	-	-	-	1.8	N.D.(0.23)	1.8	-
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	44	0.58	Immature fish, Mature fish	-	-	-	5.8	N.D.(0.69)	5.8	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou</i>	Yamame trout	4	0.052	Immature fish	-	-	-	1.2	N.D.(0.82)	1.2	-
				Vertebrata	Osteichthyes	Siluriformes	Bagridae	<i>Tachysurus tokiensis</i>	Cut-tailed bullhead	2	0.031	Immature fish, Mature fish	-	-	-	1.9	N.D.(1.5)	1.9	-
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	2.4	Mature fish	Stone loach	Viscera removed	-	7.6	N.D.(1.3)	7.6	0.17
Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	2.9	Mature fish	Stone loach	Viscera removed	-	7.1	N.D.(1.3)	7.1	0.13				
Vertebrata	Amphibia	Anura	Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog	7	0.085	Larva(Tadpole)	-	-	-	20	N.D.(2.4)	20	-				
			Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.22	-	-	-	3.4	N.D.(0.38)	3.4	-		

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Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)		
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137			
Uda River	C-6	The main stream of the Uda River	2024/6/22	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0036	-	-	-	21	N.D.(8.3)	21	-		
				Algae/plant	Zygnematophyceae	Zygnematales	Zygnemataceae	<i>Spirogyra</i> sp.	<i>Spirogyra</i>	-	0.20	-	-	-	1.1	N.D.(0.26)	1.1	-	
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	166	0.028	Larva	-	-	-	9.8	N.D.(1.9)	9.8	-
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	137	0.026	Larva (Dragonfly larva)	-	-	-	2.7	N.D.(1.4)	2.7	-
				Arthropoda	Insecta	Odonata	Cordulegastriidae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Nihonogomphus viridis</i>	<i>Nihonogomphus viridis</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius</i> sp.	<i>Davidius</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Anisogomphus maacki</i>	<i>Anisogomphus maacki</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Asiagomphus melaenops</i>	<i>Asiagomphus melaenops</i>										
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Sympetrum</i> sp.	<i>Sympetrum</i>										
				Arthropoda	Insecta	Odonata	Aeshnidae	<i>Boyeria maclachlani</i>	<i>Boyeria maclachlani</i>										
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	78	0.060	Larva	-	-	-	1.4	N.D.(0.81)	1.4	-
				Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	6	0.058	Juvenile,Imago	-	-	-	3.2	N.D.(0.88)	3.2	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Paratya improvisa</i>	Freshwater shrimp	218	0.098	Juvenile,Imago	-	-	-	3.3	N.D.(0.53)	3.3	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	28	0.31	Juvenile	-	-	-	4.9	N.D.(0.34)	4.9	-
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	1	0.045	Immature fish	-	-	-	1.7	N.D.(0.95)	1.7	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	42	0.16	Immature fish	-	-	-	4.4	N.D.(0.90)	4.4	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Pseudogobio esocinus esocinus</i>	<i>Pseudogobio esocinus esocinus</i>	1	0.013	Immature fish	-	-	-	N.D.	N.D.(3.5)	N.D.(2.8)	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	16	0.12	Immature fish	-	-	-	2.4	N.D.(0.42)	2.4	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	5	0.015	Immature fish	-	-	-	N.D.	N.D.(2.8)	N.D.(2.5)	-
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	252	2.6	Immature fish, Mature fish	-	-	-	6.3	N.D.(0.78)	6.3	0.12
Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou</i>	Yamame trout	1	0.14	Mature fish	Empty stomach	Viscera removed	-	5.3	N.D.(0.46)	5.3	-				
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	<i>Rhinogobius fluviatilis</i>	38	0.13	Mature fish	-	-	-	5.7	N.D.(0.67)	5.7	-				
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>														
				Coarse Particulate Organic Matter	-	-	-	Bottom fallen leaves	-	0.25	-	-	-	14	N.D.(1.3)	14	-		

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Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)												
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137													
Mano River	D-3	The main stream of the Mano River	2024/6/24	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	2	0.037	Immature fish	-	-	3.5	N.D.(1.7)	3.5	-											
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	38	0.56	Immature fish, Mature fish	-	-	3.7	N.D.(0.49)	3.7	-											
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	73	1.5	Immature fish, Mature fish	-	-	6.3	N.D.(1.3)	6.3	0.066											
	D-4 b	The main stream of the Mano River	2024/6/23	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.015	-	-	-	14	N.D.(2.5)	14	-											
				Algae/plant	Zygnematophyceae	Zygnematales	Zygnemataceae	<i>Spirogyra</i> sp.	<i>Spirogyra</i>	-	0.27	-	-	-	-	2.2	N.D.(0.25)	2.2	-										
				Arthropoda	Insecta	Ephemeroptera	Ephemeridae	<i>Ephemera orientalis</i>	<i>Ephemera orientalis</i>	330	0.023	Larva	-	-	-	8.7	N.D.(1.3)	8.7	-										
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	222	0.054	Larva	-	-	-	14	N.D.(1.3)	14	-										
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	226	0.049	Larva (Dragonfly larva)	-	-	-	3.4	N.D.(0.93)	3.4	-										
				Arthropoda	Insecta	Odonata	Cordulegasteridae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>																				
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Nihonogomphus viridis</i>	<i>Nihonogomphus viridis</i>																				
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Stylogomphus suzukii</i>	<i>Stylogomphus suzukii</i>																				
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>																				
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>																				
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius</i> sp.	<i>Davidius</i>																				
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Anisogomphus maacki</i>	<i>Anisogomphus maacki</i>																				
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Asiagomphus melaenops</i>	<i>Asiagomphus melaenops</i>																				
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Sympetrum</i> sp.	<i>Sympetrum</i>																				
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Orthetrum albistylum speciosum</i>	Common skimmer																				
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>											38	0.033	Larva	-	-	-	N.D.	N.D.(1.5)	N.D.(1.2)	-
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn											65	0.084	Imago	-	-	-	2.6	N.D.(0.73)	2.6	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Paratya improvisa</i>	Freshwater shrimp											241	0.10	Juvenile, Imago	-	-	-	3.9	N.D.(0.56)	3.9	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	4	0.094	Juvenile	-	-	-	5.3	N.D.(0.57)	5.3	-										
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	4	0.055	Immature fish	-	-	-	3.5	N.D.(0.86)	3.5	-										
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	30	0.059	Immature fish	-	-	-	3.3	N.D.(0.68)	3.3	-										
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Gnathopogon elongatus elongatus</i>	<i>Gnathopogon elongatus elongatus</i>	23	0.11	Immature fish, Mature fish	-	-	-	2.8	N.D.(0.47)	2.8	-										
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Cobitis biwae</i>	<i>Cobitis biwae</i>	5	0.019	Mature fish	-	-	-	2.6	N.D.(2.3)	2.6	-										
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	14	0.48	Immature fish, Mature fish	-	-	-	5.6	N.D.(1.3)	5.6	-										
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	<i>Rhinogobius fluviatilis</i>	21	0.051	Immature fish, Mature fish	-	-	-	2.9	N.D.(0.83)	2.9	-										
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>																				
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius kurodai</i>	<i>Rhinogobius kurodai</i>																				
			Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.28	-	-	-	29	N.D.(1.2)	29	-												

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											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137			
Niida River	E-2 b	The main stream of the Niida River	2024/6/23	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0093	-	-	-	46	N.D.(5.6)	46	-		
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	280	0.10	Larva	-	-	-	86	N.D.(2.2)	86	-
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	165	0.044	Larva (Dragonfly larva)	-	-	-	18	N.D.(2.4)	18	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius</i> sp.	<i>Davidius</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Asiagomphus melaenops</i>	<i>Asiagomphus melaenops</i>										
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Sympetrum</i> sp.	<i>Sympetrum</i>										
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Orthetrum albistylum speciosum</i>	Common skimmer										
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	51	0.059	Larva	-	-	-	9.5	N.D.(2.2)	9.5	-
				Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	11	0.034	Juvenile	-	-	-	18	N.D.(4.8)	18	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Paratya improvisa</i>	Freshwater shrimp	172	0.033	Juvenile, Imago	-	-	-	11	N.D.(1.5)	11	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	29	0.20	Juvenile	-	-	-	16	N.D.(1.2)	16	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	<i>Semisulcospira libertina</i>	28	0.015	Juvenile, Imago	-	-	Molluscous part	15	N.D.(2.4)	15	-
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	2	0.17	Immature fish	Empty stomach	-	Viscera removed	10	N.D.(1.5)	10	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	2	0.067	Immature fish, Mature fish	Obscure digesta	-	Viscera removed	26	N.D.(2.7)	26	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	23	0.16	Immature fish, Mature fish	-	-	-	9.2	N.D.(1.7)	9.2	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Pseudogobio esocinus esocinus</i>	<i>Pseudogobio esocinus esocinus</i>	6	0.15	Mature fish	-	-	-	9.0	N.D.(0.81)	9.0	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Sarcocheilichthys variegatus variegatus</i>	<i>Sarcocheilichthys variegatus variegatus</i>	5	0.064	Immature fish, Mature fish	-	-	-	6.6	N.D.(0.69)	6.6	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	4	0.027	Immature fish	-	-	-	8.2	N.D.(1.4)	8.2	-
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	17	0.40	Immature fish, Mature fish	-	-	-	26	N.D.(1.2)	26	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	<i>Rhinogobius fluviatilis</i>	32	0.15	Mature fish	-	-	-	15	N.D.(0.99)	15	-
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>														
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Sicyopterus japonicus</i>	Monk goby	3	0.016	Immature fish	-	-	-	22	N.D.(3.1)	22	-				
Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	0.12	Immature fish	Empty stomach	-	Viscera removed	20	N.D.(2.4)	20	-				
				Coarse Particulate Organic Matter	-	-	-	Bottom fallen leaves	-	0.26	-	-	-	86	N.D.(1.8)	86	-		

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Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)		
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137			
Ota River	F-1	The main stream of the Ota River	2024/6/23	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0050	-	-	-	130	N.D.(19)	130	-		
				Arthropoda	Insecta	Plecoptera	Perlidae	<i>Kamimuria tibialis</i>	<i>Kamimuria tibialis</i>	303	0.011	Larva	-	-	-	6.1	N.D.(3.7)	6.1	-
				Arthropoda	Insecta	Plecoptera	Perlidae	<i>Neoperla</i> sp.	<i>Neoperla</i>	88	0.015	Larva	-	-	-	64	N.D.(11)	64	-
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	136	0.034	Larva (Dragonfly larva)	-	-	-	27	N.D.(3.9)	27	-
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Stylogomphus suzukii</i>	<i>Stylogomphus suzukii</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius</i> sp.	<i>Davidius</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Asiagomphus melaenops</i>	<i>Asiagomphus melaenops</i>										
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Orthetrum albistylum speciosum</i>	Common skimmer										
				Arthropoda	Insecta	Odonata	Aeshnidae	<i>Boyeria maclachlani</i>	<i>Boyeria maclachlani</i>										
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>										
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	139	0.28	Imago	-	-	-	63	N.D.(2.1)	63	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Paratya improvisa</i>	Freshwater shrimp	654	0.16	Juvenile,Imago	-	-	-	70	N.D.(1.7)	70	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	5	0.066	Juvenile	-	-	-	110	N.D.(3.0)	110	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	<i>Semisulcospira libertina</i>	30	0.024	Imago	-	-	Molluscos part	54	N.D.(8.1)	54	-
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	2	0.40	Immature fish, Mature fish	Empty stomach	Viscera removed	183.6	3.6	180	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	9	0.072	Immature fish, Mature fish	-	-	78	N.D.(4.3)	78	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	31	0.19	Immature fish, Mature fish	-	-	48	N.D.(2.0)	48	-	
	Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	7	0.17	Immature fish, Mature fish	-	-	132.5	2.5	130	-				
	Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	<i>Rhinogobius fluviatilis</i>	15	0.045	Mature fish	-	-	-	130	N.D.(7.0)	130	-			
	Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>													
	Vertebrata	Amphibia	Anura	-	-	-	38	0.015	Larva(Tadpole)	-	-	-	46	N.D.(11)	46	-			
			Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.25	-	-	-	162.4	2.4	160	-		
F-5	The main stream of the Ota River	2024/6/23	Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	5	0.082	Juvenile,Imago	-	-	17	N.D.(2.5)	17	-		
			Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	1	0.32	Mature fish	Empty stomach	Viscera removed	34	N.D.(1.5)	34	-		
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	10	0.059	Immature fish, Mature fish	-	-	11	N.D.(1.6)	11	-		
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	4.5	Mature fish	Obscure digesta	Viscera removed	25	N.D.(1.2)	25	1.2		
			Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	308	0.96	Immature fish	-	-	40	N.D.(3.9)	40	0.30		
Vertebrata	Amphibia	Anura	Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog	48	0.48	Larva(Tadpole)	-	-	-	86	N.D.(1.6)	86	-				

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Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)		
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137			
Ukedo River	N-1	The main stream of the Ukedo River	2024/6/26	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0070	-	-	-	190	N.D.(21)	190	-		
				Algae/plant	Monocotyledoneae	Najadales	Potamogetonaceae	<i>Potamogeton crispus</i>	Curly-leaf pondweed	-	0.28	-	-	-	77	N.D.(1.4)	77	-	
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	296	0.071	Larva	-	-	-	220	N.D.(4.3)	220	-
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	152	0.033	Larva (Dragonfly larva)	-	-	-	83	N.D.(5.5)	83	-
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius sp.</i>	<i>Davidius</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Shaogomphus postocularis</i>	<i>Shaogomphus postocularis</i>										
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Sympetrum sp.</i>	<i>Sympetrum</i>										
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Orthetrum albistylum speciosum</i>	Common skimmer										
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	74	0.14	Imago	-	-	-	77	N.D.(2.2)	77	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	Atyidae	Freshwater shrimp	245	0.063	Juvenile	-	-	-	58	N.D.(3.9)	58	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	59	0.087	Juvenile	-	-	-	100	N.D.(3.5)	100	-
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	6	1.9	Immature fish, Mature fish	Japanese mitten Crab, Fish	Viscera removed	253.5	3.5	250	0.44	
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus reinii</i>	Sculpin	30	0.24	Immature fish	-	-	-	101.6	1.6	100	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	10	0.13	Immature fish, Mature fish	-	-	-	63	N.D.(2.1)	63	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorfii</i>	17	0.37	Immature fish, Mature fish	Obscure digesta	Viscera removed	79	N.D.(1.6)	79	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	2	3.4	Mature fish	Obscure digesta	Viscera removed	100	N.D.(1.4)	100	1.2	
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Cobitis biwae</i>	<i>Cobitis biwae</i>	12	0.016	Immature fish, Mature fish	-	-	-	59	N.D.(12)	59	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	38	0.053	Immature fish	-	-	-	30	N.D.(4.8)	30	-
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	140	0.77	Immature fish	-	-	-	233.8	3.8	230	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Gymnogobius urotaenia</i>	Goby	4	0.041	Immature fish	-	-	-	220	N.D.(5.8)	220	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>	35	0.051	Immature fish, Mature fish	-	-	-	72	N.D.(5.0)	72	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Tridentiger brevispinis</i>	Dusky tripletooth goby	22	0.069	Immature fish, Mature fish	-	-	-	88	N.D.(4.6)	88	-
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	0.93	Mature fish	Empty stomach	Viscera removed	220	N.D.(5.1)	220	0.87	
				Vertebrata	Amphibia	Anura	-	-	-	90	0.018	Larva(Tadpole)	-	-	-	220	N.D.(12)	220	-
			Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.25	-	-	-	295.3	5.3	290	-		

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											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137				
Ukedo River	N-2	The main stream of the Ukedo River	2024/6/26	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0047	-	-	-	210	N.D.(28)	210	-			
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	115	0.034	Larva (Dragonfly larva)	-	-	-	54	N.D.(6.2)	54	-	
				Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>											
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Stylogomphus suzukii</i>	<i>Stylogomphus suzukii</i>											
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>											
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>											
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius</i> sp.	<i>Davidius</i>											
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Asiagomphus melaenops</i>	<i>Asiagomphus melaenops</i>											
				Arthropoda	Insecta	Odonata	Aeshnidae	<i>Boyeria maclachlani</i>	<i>Boyeria maclachlani</i>											
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	23	0.012	Larva	-	-	-	31	N.D.(3.6)	31	-	
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	67	0.14	Imago	-	-	-	94.5	2.5	92	-	
				Arthropoda	Malacostraca	Decapoda	Atyidae	Atyidae	Freshwater shrimp	318	0.053	Juvenile	-	-	-	61	N.D.(4.8)	61	-	
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	10	0.041	Juvenile	-	-	-	120	N.D.(9.5)	120	-	
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	8	1.2	Immature fish, Mature fish	Empty stomach	Viscera removed	386.3	6.3	380	0.52		
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus reinii</i>	Sculpin	8	0.10	Immature fish	-	-	-	150	N.D.(3.0)	150	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	3	0.020	Immature fish	-	-	-	80	N.D.(10)	80	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	22	0.31	Immature fish, Mature fish	-	-	-	122.3	2.3	120	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	5	0.041	Immature fish, Mature fish	-	-	-	130	N.D.(5.7)	130	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	0.99	Mature fish	Obscure digesta	Viscera removed	160	N.D.(3.8)	160	1.7		
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	2.1	Mature fish	Obscure digesta	Viscera removed	141.7	1.7	140	1.2		
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Cobitis biwae</i>	<i>Cobitis biwae</i>	73	0.13	Immature fish, Mature fish	-	-	-	97	N.D.(2.4)	97	-	
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	115	0.57	Immature fish	-	-	-	223.5	3.5	220	-	
				Vertebrata	Osteichthyes	Siluriformes	Amblycipitidae	<i>Liobagrus reini</i>	Torrent catfish	6	0.031	Mature fish	-	-	-	96	N.D.(6.3)	96	-	
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.3	Mature fish	Common prawn	Viscera removed	740	10	730	1.6		
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.4	Mature fish	Common prawn	Viscera removed	1321	21	1300	2.3		
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.6	Mature fish	Common prawn	Viscera removed	599.5	9.5	590	1.5		
				Coarse Particulate Organic Matter	-	-	-	-	-	-	Bottom fallen leaves	-	0.24	-	-	-	385.7	5.7	380	-
				Ukedo River	N-3	The main stream of the Takase River	2024/6/26	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0038	-	-	-	29	N.D.(6.6)	29
Arthropoda	Insecta	Odonata	Corduliidae					<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	109	0.022	Larva (Dragonfly larva)	-	-	-	11	N.D.(1.8)	11	-	
Arthropoda	Insecta	Odonata	Cordulegastridae					<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>											
Arthropoda	Insecta	Odonata	Gomphidae					<i>Nihonogomphus viridis</i>	<i>Nihonogomphus viridis</i>											
Arthropoda	Insecta	Odonata	Gomphidae					<i>Melligomphus viridicostus</i>	<i>Melligomphus viridicostus</i>											
Arthropoda	Insecta	Odonata	Gomphidae					<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>											
Arthropoda	Insecta	Odonata	Gomphidae					<i>Davidius</i> sp.	<i>Davidius</i>											
Arthropoda	Insecta	Odonata	Gomphidae					<i>Asiagomphus melaenops</i>	<i>Asiagomphus melaenops</i>											
Arthropoda	Insecta	Odonata	Libellulidae					<i>Sympetrum</i> sp.	<i>Sympetrum</i>											
Arthropoda	Malacostraca	Decapoda	Palaemonidae					<i>Palaemon paucidens</i>	Common prawn	19	0.021	Imago	-	-	-	22	N.D.(2.1)	22	-	
Arthropoda	Malacostraca	Decapoda	Atyidae					<i>Paratya improvisa</i>	Freshwater shrimp	195	0.048	Juvenile	-	-	-	25	N.D.(4.7)	25	-	
Arthropoda	Malacostraca	Decapoda	Varunidae					<i>Eriocheir japonica</i>	Japanese mitten crab	22	0.21	Juvenile	-	-	-	44	N.D.(1.7)	44	-	
Vertebrata	Osteichthyes	Anguilliformes	Anguillidae					<i>Anguilla japonica</i>	Japanese eel	1	0.25	Mature fish	Empty stomach	Viscera removed	30	N.D.(1.6)	30	-		
Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae					<i>Cottus reinii</i>	Sculpin	26	0.20	Immature fish	-	-	-	36	N.D.(1.5)	36	-	
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae					<i>Opsariichthys platypus</i>	Pale chub	29	0.049	Immature fish	-	-	-	25	N.D.(3.5)	25	-	
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae					<i>Candidia temminckii</i>	Dark chub	39	0.080	Immature fish, Mature fish	-	-	-	43	N.D.(4.3)	43	-	
Vertebrata	Osteichthyes	Cypriniformes	Cobitidae					<i>Nemacheilus toni</i>	Stone loach	36	0.16	Immature fish	-	-	-	16	N.D.(1.7)	16	-	
Vertebrata	Osteichthyes	Salmoniformes	Osmeridae					<i>Plecoglossus altivelis altivelis</i>	Sweetfish	206	1.8	Immature fish, Mature fish	-	-	-	35	N.D.(1.2)	35	0.21	
Vertebrata	Osteichthyes	Perciformes	Gobiidae					<i>Gymnogobius urotaenia</i>	Goby	1	0.016	Immature fish	-	-	-	95	N.D.(13)	95	-	
Vertebrata	Osteichthyes	Perciformes	Gobiidae					<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>	37	0.067	Immature fish, Mature fish	-	-	-	24	N.D.(2.7)	24	-	
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Sicyopterus japonicus</i>	Monk goby	14	0.080	Immature fish	-	-	-	37	N.D.(5.0)	37	-					
Coarse Particulate Organic Matter	-	-	-	-	-	-	Bottom fallen leaves	-	0.27	-	-	-	233.3	3.3	230	-				

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Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)						
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137							
Tomioka River	O-1	The main stream of the Tomioka River	2024/6/28	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0026	-	-	-	630	N.D.(47)	630	-						
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	270	0.053	Larva	-	-	-	54	N.D.(4.7)	54	-				
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	192	0.045	Larva (Dragonfly larva)	-	-	-	7.4	N.D.(1.1)	7.4	-				
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Stylogomphus suzukii</i>	<i>Stylogomphus suzukii</i>														
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>														
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius</i> sp.	<i>Davidius</i>														
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Asiagomphus melaenops</i>	<i>Asiagomphus melaenops</i>														
				Arthropoda	Insecta	Odonata	Aeshnidae	<i>Boyeria maclachlani</i>	<i>Boyeria maclachlani</i>														
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	57	0.027	Larva	-	-	-	4.7	N.D.(1.3)	4.7	-				
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	464	1.2	Imago	-	-	-	9.2	N.D.(1.1)	9.2	1.0				
				Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Paratya improvisa</i>	Freshwater shrimp	1106	0.39	Juvenile,Imago	-	-	-	16	N.D.(1.6)	16	-				
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	19	0.21	Juvenile	-	-	-	23	N.D.(1.2)	23	-				
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	3	0.46	Immature fish, Mature fish	Fish	Viscera removed	20	N.D.(1.6)	20	-					
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	38	0.42	Immature fish, Mature fish	Obscure digesta	Viscera removed	33	N.D.(1.3)	33	-					
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	10	0.091	Immature fish	-	-	-	12	N.D.(1.4)	12	-				
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	115	0.53	Immature fish, Mature fish	-	-	-	18	N.D.(1.3)	18	-				
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Cobitis biwae</i>	<i>Cobitis biwae</i>	17	0.067	Immature fish, Mature fish	-	-	-	7.5	N.D.(0.67)	7.5	-				
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	34	0.54	Immature fish, Mature fish	-	-	-	36	N.D.(1.7)	36	-				
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	<u><i>Rhinogobius fluviatilis</i></u>	18	0.083	Immature fish, Mature fish	-	-	-	17	N.D.(2.9)	17	-				
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>														
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius kurodai</i>	<i>Rhinogobius kurodai</i>														
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Sicyopterus japonicus</i>	Monk goby	12	0.11	Immature fish, Mature fish	-	-	-	26	N.D.(2.0)	26	-				
				Vertebrata	Cephalaspidomorpha	Petromyzontiformes	Petromyzontidae	<i>Lethenteron reissneri</i>	Far eastern brook lamprey	20	0.039	Ammocoetes(larva)	-	-	-	6.3	N.D.(1.1)	6.3	-				
				Vertebrata	Amphibia	Anura	Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog	1	0.13	Imago	-	-	-	22	N.D.(1.9)	22	-				
						Coarse Particulate Organic Matter	-	-	-	-	-	Bottom fallen leaves	-	0.22	-	-	-	28	N.D.(1.7)	28	-		
				Tomioka River	O-2	The main stream of the Tomioka River	2024/6/28	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0037	-	-	-	100	N.D.(24)	100	-		
								Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	25	0.0095	Larva (Dragonfly larva)	-	-	-	7.5	N.D.(5.0)	7.5	-
								Arthropoda	Insecta	Odonata	Cordulegastriidae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>										
Arthropoda	Insecta	Odonata	Gomphidae					<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>														
Arthropoda	Insecta	Odonata	Aeshnidae					<i>Planaeschna milnei milnei</i>	<i>Planaeschna milnei milnei</i>														
Arthropoda	Insecta	Megaloptera	Corydalidae					<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	69	0.037	Larva	-	-	-	3.6	N.D.(1.3)	3.6	-				
Arthropoda	Malacostraca	Decapoda	Palaemonidae					<i>Palaemon paucidens</i>	Common prawn	88	0.13	Imago	-	-	-	7.4	N.D.(1.3)	7.4	-				
Arthropoda	Malacostraca	Decapoda	Varunidae					<i>Eriocheir japonica</i>	Japanese mitten crab	13	0.13	Juvenile	-	-	-	15	N.D.(1.6)	15	-				
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae					<i>Tribolodon hakonensis</i>	Japanese dace	46	0.42	Immature fish	-	-	-	19	N.D.(1.4)	19	-				
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae					<i>Opsariichthys platypus</i>	Pale chub	4	0.085	Mature fish	-	-	-	14	N.D.(2.5)	14	-				
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae					<i>Candidia temminckii</i>	Dark chub	46	0.34	Immature fish, Mature fish	-	-	-	26	N.D.(1.4)	26	-				
Vertebrata	Osteichthyes	Salmoniformes	Osmeridae					<i>Plecoglossus altivelis altivelis</i>	Sweetfish	33	0.61	Immature fish, Mature fish	-	-	-	32	N.D.(1.3)	32	-				
Vertebrata	Osteichthyes	Salmoniformes	Salmonidae					<i>Oncorhynchus masou</i>	Yamame trout	4	0.28	Immature fish, Mature fish	Empty stomach	Viscera removed	26	N.D.(1.3)	26	-					
Vertebrata	Osteichthyes	Perciformes	Gobiidae					<i>Rhinogobius fluviatilis</i>	<u><i>Rhinogobius fluviatilis</i></u>	9	0.051	Immature fish, Mature fish	-	-	-	17	N.D.(1.3)	17	-				
Vertebrata	Osteichthyes	Perciformes	Gobiidae					<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>														
Vertebrata	Osteichthyes	Perciformes	Gobiidae					<i>Tridentiger brevispinis</i>	Dusky tripletooth goby	1	0.025	Mature fish	-	-	-	9.6	N.D.(1.5)	9.6	-				
Vertebrata	Osteichthyes	Perciformes	Gobiidae					<i>Sicyopterus japonicus</i>	Monk goby	4	0.027	Immature fish	-	-	-	16	N.D.(1.7)	16	-				
		Coarse Particulate Organic Matter	-	-	-	-	-	Bottom fallen leaves	-	0.24	-	-	-	16	N.D.(1.5)	16	-						

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Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)		
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137			
Lake Hayama	G-1 G-2 G-3	In the lake	2024/6/24	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.015	-	-	-	2.6	N.D.(1.8)	2.6	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorffi</i>	1	1.3	Mature fish	Obscure digesta	Viscera removed	40	N.D.(1.6)	40	1.7	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	1.5	Mature fish	Obscure digesta	Viscera removed	34	N.D.(1.4)	34	0.45	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	1	0.63	Mature fish	Empty stomach	Viscera removed	54	N.D.(1.4)	54	-	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis macrochirus</i>	Bluegill	99	2.0	Immature fish	-	-	11	N.D.(1.3)	11	0.40	
	G-4	Inflowing rivers	2024/6/24	Algae/plant	-	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0085	-	-	-	73	N.D.(11)	73	-
				Algae/plant	Zygnematophyceae	Zygnematales	Zygnemataceae	<i>Spirogyra</i> sp.	Spirogyra	-	0.30	-	-	-	0.28	N.D.(0.26)	0.28	-	
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	36	0.020	Larva	-	-	2.2	N.D.(2.3)	2.2	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	53	0.62	Immature fish, Mature fish	-	-	11	N.D.(1.3)	11	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	58	0.65	Immature fish, Mature fish	-	-	23	N.D.(1.3)	23	-	
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou</i>	Yamame trout	4	0.33	Immature fish	Protohermes grandis, Rhinogobius flumineus	Viscera removed	8.7	N.D.(1.4)	8.7	-	
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius flumineus</i>	<i>Rhinogobius flumineus</i>	13	0.017	Immature fish	-	-	7.6	N.D.(1.8)	7.6	-	
				Vertebrata	Osteichthyes	Siluriformes	Bagridae	<i>Tachysurus tokiensis</i>	Cut-tailed bullhead	1	0.012	Immature fish	-	-	7.2	N.D.(3.5)	7.2	-	
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.1	Mature fish	Empty stomach	Viscera removed	132.1	2.1	130	0.29	
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.5	Mature fish	Protohermes grandis	Viscera removed	92	N.D.(1.6)	92	0.58	
Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.7	Mature fish	Protohermes grandis	Viscera removed	97.1	2.1	95	0.48					
Vertebrata	Amphibia	Anura	Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog	1	0.45	Imago	-	-	25	N.D.(2.9)	25	-					
Coarse Particulate Organic Matter	-	-	-	-	-	-	Bottom fallen leaves	-	0.27	-	-	-	25	N.D.(1.3)	25	-			

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											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137			
Lake Akimoto	H-1 H-2 H-3	In the lake	2024/6/18	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.034	-	-	-	N.D.	N.D.(1.4)	N.D.(1.4)	-	
			2024/6/19	Arthropoda	Malacostraca	Decapoda	Astacidae	<i>Pacifastacus leniusculus trowbridgii</i>	Signal crayfish	56	1.6	Imago	-	-	-	13	N.D.(1.4)	13	5.4
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	11	3.2	Mature fish	Obscure digesta	Viscera removed	-	30	N.D.(1.2)	30	0.67
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorfii</i>	5	1.0	Mature fish	Obscure digesta	Viscera removed	-	12	N.D.(1.1)	12	0.89
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	5.5	Mature fish	Obscure digesta	Viscera removed	-	10	N.D.(1.2)	10	0.86
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	<i>Hemibarbus barbus</i>	5	1.8	Immature fish, Mature fish	Obscure digesta	Viscera removed	-	16	N.D.(1.3)	16	1.0
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Hypomesus nipponensis</i>	Japanese smelt	55	0.23	Mature fish	-	-	-	6.0	N.D.(0.57)	6.0	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Salvelinus leucomaenis</i>	Char	10	3.5	Mature fish	Japanese smelt	Viscera removed	-	22	N.D.(1.2)	22	0.27
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Seema	3	0.53	Immature fish	Empty stomach	Viscera removed	-	12	N.D.(1.3)	12	-
	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus salmoides</i>	Largemouth bass	1	0.36	Immature fish	Empty stomach	Viscera removed	-	29	N.D.(1.8)	29	-			
	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	2	0.51	Immature fish	Empty stomach	Viscera removed	-	23	N.D.(1.4)	23	-			
	H-3	Inflowing rivers	2024/6/18	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.084	-	-	-	1.3	N.D.(0.80)	1.3	-	
				Arthropoda	Insecta	Plecoptera	Perlidae	<i>Calineuria</i> sp.	Calineuria	50	0.011	Larva	-	-	-	N.D.	N.D.(3.4)	N.D.(2.7)	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus pollux</i>	Japanese fluvial sculpin	11	0.070	Immature fish	-	-	-	3.0	N.D.(0.92)	3.0	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Salvelinus leucomaenis</i>	Char	14	0.30	Immature fish	-	-	-	3.7	N.D.(0.35)	3.7	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou</i>	Yamame trout	8	0.16	Immature fish, Mature fish	Obscure digesta	Viscera removed	-	7.3	N.D.(0.62)	7.3	-
				Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.23	-	-	-	-	2.4	N.D.(0.33)	2.4	-
	H-4	Within the lake and rivers in the vicinity	2024/6/19	Algae/plant	Monocotyledoneae	Alismatales	Hydrocharitaceae	<i>Elodea nuttallii</i>	Western waterweed	-	0.33	-	-	-	2.7	N.D.(0.28)	2.7	-	
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Somatochlora uchidai</i>	<i>Somatochlora uchidai</i>	43	0.049	Larva (Dragonfly larva)	-	-	-	4.7	N.D.(0.87)	4.7	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Stylogomphus suzukii</i>	<i>Stylogomphus suzukii</i>										
Arthropoda				Insecta	Odonata	Aeshnidae	<i>Aeshna juncea</i>	Common hawker											
Mollusca				Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	<i>Semisulcospira libertina</i>	30	0.037	Imago	-	Molluscos part	-	3.5	N.D.(0.99)	3.5	-	
Vertebrata				Amphibia	Anura	-	-	-	Frog	111	0.077	Larva(Tadpole)	-	-	-	38	N.D.(2.8)	38	-
Vertebrata	Amphibia	Caudata	Salamandridae	<i>Cynops pyrrhogaster</i>	<i>Cynops pyrrhogaster</i>	4	0.023	Imago	-	-	-	4.8	N.D.(1.5)	4.8	-				

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Location	Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)	
											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137		
Lake Inawashiro	I-1 I-2 (north lakeside)	2024/6/19	Arthropoda	Insecta	Odonata	Gomphidae	<i>Shaogomphus postocularis</i>	<i>Shaogomphus postocularis</i>	32	0.010	Larva (Dragonfly larva)	-	-	N.D.	N.D.(3.7)	N.D.(2.3)	-	
			Arthropoda	Insecta	Odonata	Libellulidae	<i>Orthetrum albistylum speciosum</i>	<u>Common skimmer</u>										
			Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish										
			Arthropoda	Malacostraca	Decapoda	Astacidae	<i>Pacifastacus leniusculus trowbridgii</i>	Signal crayfish										
		2024/6/20	Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	166	0.064	Juvenile, Imago	-	-	2.1	N.D.(0.89)	2.1	-	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	21	4.8	Mature fish	Obscure digesta	Viscera removed	17	N.D.(1.4)	17	0.17	
		2024/6/19	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorffii</i>	14	3.0	Mature fish	Obscure digesta	Viscera removed	20	N.D.(1.4)	20	0.29	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorffii</i>	2	2.0	Mature fish	Obscure digesta	Viscera removed	4.7	N.D.(0.56)	4.7	0.34	
		2024/6/20	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	<i>Hemibarbus barbus</i>	3	4.5	Mature fish	Obscure digesta	Viscera removed	14	N.D.(1.2)	14	0.39	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	<i>Hemibarbus barbus</i>	2	3.9	Mature fish	Obscure digesta	Viscera removed	15	N.D.(0.97)	15	0.26	
			Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Salvelinus leucomaenis</i>	Char	6	6.6	Mature fish	Japanese smelt	Viscera removed	14	N.D.(1.2)	14	0.063	
			Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Seema	2	0.59	Immature fish	Obscure digesta	Viscera removed	16	N.D.(1.3)	16	-	
			Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	3	1.9	Immature fish, Mature fish	Empty stomach	Viscera removed	9.9	N.D.(1.1)	9.9	0.21	
			Vertebrata	Osteichthyes	Perciformes	Actinopterygii	<i>Channa argus</i>	Snakehead	1	3.0	Mature fish	Empty stomach	Viscera removed	42	N.D.(1.3)	42	0.35	
	2024/6/19	Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	0.97	Mature fish	Empty stomach	Viscera removed	16	N.D.(1.9)	16	0.20		
	2024/6/20	Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.7	Mature fish	Empty stomach	Viscera removed	11	N.D.(1.2)	11	0.14		
	2024/6/19	Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.25	-	-	-	5.5	N.D.(0.80)	5.5	-		
	J-1 (south lakeside)	Within the lake and around the Oninuma	2024/6/19	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.021	-	-	-	N.D.	N.D.(1.6)	N.D.(1.6)	-
				Algae/plant	Dicotyledoneae	Nymphaeales	Nymphaeaceae	<i>Nuphar japonicum</i>	Cow lily	-	0.34	-	-	-	0.54	N.D.(0.20)	0.54	-
				Algae/plant	Dicotyledoneae	Solanales	Menyanthaceae	<i>Nymphoides peltata</i>	Fringed water-lily	-	0.31	-	-	-	N.D.	N.D.(0.48)	N.D.(0.24)	-
				Arthropoda	Insecta	Odonata	Libellulidae	<i>Sympetrum</i> sp.	Sympetrum	39	0.012	Larva (Dragonfly larva)	-	-	N.D.	N.D.(3.9)	N.D.(3.1)	-
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	1133	0.73	Imago	-	-	5.2	N.D.(0.68)	5.2	0.60
				Mollusca	Gastropoda	Architaenioglossa	Viviparidae	<i>Cipangopaludina chinensis laeta</i>	Mud-snail	30	0.16	Juvenile	-	Molluscos part	2.3	N.D.(0.34)	2.3	-
			2024/6/20	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorffii</i>	10	3.3	Mature fish	Obscure digesta	Viscera removed	19	N.D.(1.1)	19	0.36
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	2.1	Mature fish	Obscure digesta	Viscera removed	6.7	N.D.(0.64)	6.7	0.22
			2024/6/19	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	<i>Hemibarbus barbus</i>	1	0.63	Mature fish	Obscure digesta	Viscera removed	21	N.D.(0.98)	21	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	29	0.17	Immature fish, Mature fish	-	-	3.9	N.D.(0.42)	3.9	-
			2024/6/20	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	5	3.1	Immature fish, Mature fish	Empty stomach	Viscera removed	17	N.D.(1.1)	17	0.25
Vertebrata				Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	2	1.6	Mature fish	Empty stomach	Viscera removed	20	N.D.(1.4)	20	0.21	
2024/6/19			Vertebrata	Amphibia	Anura	-	-	-	-	145	0.074	Larva (Tadpole)	-	-	6.0	N.D.(0.79)	6.0	-
			Vertebrata	Amphibia	Anura	Hylidae	<i>Hyla japonica</i>	Japanese tree frog	6	0.042	Imago	-	-	N.D.	N.D.(0.89)	N.D.(1.2)	-	
	Vertebrata	Amphibia	Anura	Pelophylax	<i>Pelophylax porosus porosus</i>	<u>Tokyo daruma pond frog</u>												
	Vertebrata	Amphibia	Caudata	Salamandridae	<i>Cynops pyrrhogaster</i>	<i>Cynops pyrrhogaster</i>	23	0.12	Imago	-	-	0.52	N.D.(0.48)	0.52	-			

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Location		Sampling point	Sampling date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)
												Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	
Off the mouth of the Abukuma River	Surrounding water area off the mouth of the Abukuma River	Sea area in front of the Abukuma River Estuary	2024/6/24	Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Portunus trituberculatus</i>	Japanese blue crab	3	0.55	Imago	-	-	0.93	N.D.(0.29)	0.93	-
				Vertebrata	Osteichthyes	Perciformes	Scombridae	<i>Scomber japonicus</i>	Chub mackerel	2	0.86	Mature fish	Empty stomach	Viscera removed	N.D.	N.D.(0.24)	N.D.(0.26)	-
				Vertebrata	Osteichthyes	Perciformes	Sparidae	<i>Pagrus major</i>	Red seabream	1	0.35	Immature fish	Empty stomach	Viscera removed	N.D.	N.D.(0.39)	N.D.(0.34)	-

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											Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137		
Off Soma City	L-1 L-2 L-3	Matsukawaura Lagoon	2024/7/10	Annelida	Polychaeta	Eunicida	Eunicidae	Polychaeta	Polychaeta	156	0.016	Juvenile, Imago	-	-	7.9	N.D.(0.68)	7.9	-
				Annelida	Polychaeta	Eunicida	Lumbrineridae	Lumbrineridae	Lumbrineridae									
				Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae	Nereididae									
				Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae	Glyceridae									
				Arthropoda	Malacostraca	Decapoda	Alpheidae	Alpheidae	Alpheidae	41	0.043	Juvenile	-	-	1.1	N.D.(1.2)	1.1	-
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon</i> sp.	Palaemon	176	0.095	Juvenile, Imago	-	-	1.0	N.D.(0.50)	1.0	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Hemigrapsus</i> sp.	Hemigrapsus	161	0.52	Juvenile, Imago	-	-	2.3	N.D.(0.55)	2.3	-
				Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Charybdis japonica</i>	Shore swimming crab	16	0.83	Juvenile, Imago	-	-	1.0	N.D.(0.31)	1.0	0.095
				Mollusca	Bivalvia	Veneroida	Veneridae	<i>Ruditapes philippinarum</i>	Japanese littleneck	41	0.10	Imago	-	Molluscos part	0.97	N.D.(0.56)	0.97	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Scorpaenidae	<i>Sebastes cheni</i>	Rockfish	65	1.8	Immature fish	-	-	0.55	N.D.(0.32)	0.55	N.D.(0.021)
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Tridentiger trigonocephalus</i>	Chameleon goby	113	0.15	Immature fish, Mature fish	-	-	1.8	N.D.(0.42)	1.8	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Acanthogobius lactipes</i>	Whitelimbed goby									
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Acentrogobius virgatus</i>	<i>Acentrogobius virgatus</i>									
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	Gobiidae	Gobiidae									
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Favonigobius gymnauchen</i>	<i>Favonigobius gymnauchen</i>													
Vertebrata	Osteichthyes	Tetraodontiformes	Tetraodontidae	<i>Takifugu niphobles</i>	<i>Takifugu niphobles</i>	3	0.25	Mature fish	Empty stomach									

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												Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	
Off Iwaki City	M-4	Hisanohama Coastal areas	2024/7/10	Vertebrata	Osteichthyes	Scorpaeniformes	Scorpaenidae	<i>Sebastes cheni</i>	Rockfish	20	1.3	Immature fish	Crustacea	Viscera removed	0.67	N.D.(0.24)	0.67	N.D.(0.018)
				Vertebrata	Osteichthyes	Haddock	Moridae	<i>Physiculus maximowiczi</i>	Brown hakeling	2	0.20	Immature fish	Crab	Viscera removed	0.95	N.D.(0.42)	0.95	-
				Vertebrata	Osteichthyes	Tetraodontiformes	Tetraodontidae	<i>Takifugu snyderi</i>	Obscure puffer	2	0.13	Immature fish	Empty stomach	Viscera removed	0.91	N.D.(0.70)	0.91	-

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