

○ Results (water)

Locations			2021 August - September 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°	7.5	1.1	4.8	8.8	15.0	0.08	1.8	17	6.8	N.D.(0.0015)	0.012	0.00097
	A-1(Bottom layer)	37.6210°	140.5218°	7.5	1.2	4.3	9.0	15.2	0.08	1.8	14	6.6	0.0013	0.016	-
	A-2	37.5673°	140.3946°	7.5	<0.5	2.9	9.9	9.4	0.05	0.9	4	2.0	N.D.(0.0014)	0.010	-
	B-2	37.8121°	140.5058°	7.6	0.8	5.0	9.4	14.4	0.09	1.6	26	8.5	0.014	0.34	-
	B-3	37.8182°	140.4679°	7.9	<0.5	3.4	10.4	8.8	0.05	1.4	3	2.0	N.D.(0.0014)	0.0052	-
Uda River	C-6	37.7764°	140.8877°	7.5	0.5	3.1	9.2	9.4	0.05	1.1	14	7.9	N.D.(0.0014)	0.0066	0.00072
Mano River	D-4 a	37.7308°	140.9081°	7.1	0.5	3.1	9.1	8.6	0.05	1.3	1	1.5	N.D.(0.0013)	0.0095	0.00091
Niida River	E-2 a	37.6640°	140.9447°	7.3	<0.5	3.8	8.8	7.1	0.04	1.4	11	7.8	0.0032	0.063	0.0016
Ota River	F-1	37.5975°	140.9252°	7.3	1.4	3.1	9.5	4.8	0.03	1.4	2	1.3	0.0031	0.080	0.0031
Lake Hayama (Mano Dam)	G-1(Surface layer)	37.7348°	140.8102°	7.7	0.5	4.1	10.4	7.4	0.05	2.0	2	1.5	N.D.(0.0014)	0.011	-
	G-1(Bottom layer)	37.7348°	140.8102°	7.4	<0.5	3.3	9.3	8.0	0.04	1.5	6	4.8	N.D.(0.0014)	0.014	0.00074
	G-2(Surface layer)	37.7267°	140.8223°	7.8	0.9	4.3	10.1	7.6	0.04	2.4	1	1.4	N.D.(0.0014)	0.010	-
	G-2(Bottom layer)	37.7267°	140.8223°	6.8	<0.5	3.6	1.9	8.1	0.04	1.6	6	4.6	0.0031	0.061	-
	G-4	37.7382°	140.8035°	7.5	<0.5	3.4	9.0	7.6	0.04	1.1	13	2.8	N.D.(0.0013)	0.019	-
Lake Akimoto	H-1(Surface layer)	37.6575°	140.1264°	7.4	0.5	4.3	8.5	4.6	0.03	2.0	1	1.2	N.D.(0.0012)	0.0056	-
	H-1(Bottom layer)	37.6575°	140.1264°	6.7	<0.5	3.9	4.7	4.2	0.03	1.8	4	2.6	N.D.(0.0014)	0.017	0.0010
	H-2(Surface layer)	37.6616°	140.1226°	7.1	0.9	4.3	8.3	5.2	0.03	1.9	2	1.9	N.D.(0.0013)	0.0080	-
	H-2(Bottom layer)	37.6616°	140.1226°	6.6	0.6	6.3	0.7	8.9	0.05	2.2	14	10.2	N.D.(0.0013)	0.017	-
Lake Inawashiro	J-1(Surface layer)	37.4203°	140.1008°	7.0	<0.5	1.4	8.7	11.8	0.06	0.8	<1	0.5	N.D.(0.0015)	0.0043	-
	J-1(Bottom layer)	37.4203°	140.1008°	7.0	<0.5	1.7	8.6	11.8	0.06	0.9	<1	0.6	N.D.(0.0013)	0.0045	0.00077
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°	8.4	1.0	4.1	10.1	3230	14.54	1.6	8	5.3	N.D.(0.0014)	0.0070	-
	K-3(Bottom layer)	38.0458°	140.9518°	7.9	0.5	1.5	4.7	4950	33.44	1.2	4	3.5	N.D.(0.0014)	0.015	0.00097
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	8.0	0.8	4.5	7.9	3290	20.00	1.8	23	13.3	N.D.(0.0014)	0.032	0.0011
Off Iwaki City (Hisanohama)	M-2(Surface layer)	37.1996°	141.0853°	8.2	0.7	1.7	7.8	4800	32.56	1.1	<1	0.9	N.D.(0.0014)	0.0039	-
	M-2(Bottom layer)	37.1996°	141.0853°	8.0	0.8	1.6	7.3	5010	34.23	1.0	<1	0.4	N.D.(0.0015)	0.0023	0.0011

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

○ Results (sediments)

Locations			2021 August - September Survey																	
	Latitude	Longitude	pH	Redox potential E _{NHE} (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°	7.3	67	40.3	8.2	25.3	2.586	0.0	0.3	2.3	40.3	42.3	14.8	0.058	2.0	15	400	0.41
	A-2	37.5673°	140.3946°	7.0	129	22.0	2.7	6.3	2.731	14.7	23.5	31.7	11.7	10.2	8.2	0.56	9.5	14	380	-
	B-2	37.8121°	140.5058°	7.4	549	15.5	1.7	2.2	2.694	0.0	0.4	57.5	30.5	7.9	3.7	0.28	2.0	3.7	110	-
	B-3	37.8182°	140.4679°	7.5	489	20.4	1.4	1.8	2.630	13.5	16.6	43.8	16.7	4.9	4.5	0.48	9.5	3.8	86	-
Uda River	C-6	37.7764°	140.8877°	7.7	520	15.5	0.9	1.1	2.713	35.5	34.8	19.6	2.8	3.8	3.5	1.4	9.5	1.4	49	0.21
Mano River	D-4 a	37.7308°	140.9081°	7.6	504	18.1	1.9	2.0	2.702	55.4	29.8	4.1	1.6	5.9	3.2	2.2	19	4.3	110	0.52
Niida River	E-2 a	37.6640°	140.9447°	7.2	394	16.0	1.6	3.0	2.678	28.8	22.1	27.2	9.9	8.6	3.4	0.88	9.5	15	440	0.26
Ota River	F-1	37.5975°	140.9252°	7.5	489	21.5	1.9	2.2	2.627	1.8	12.1	38.5	35.9	8.3	3.4	0.27	4.8	18	460	0.91
Lake Hayama (Mano Dam)	G-1	37.7348°	140.8102°	7.5	306	32.6	6.6	10.2	2.623	0.7	2.1	17.6	42.4	27.4	9.8	0.11	4.8	33	820	0.85
	G-2	37.7267°	140.8223°	7.2	160	39.8	7.6	19.4	2.563	0.7	1.4	4.6	26.8	46.9	19.6	0.040	9.5	55	1500	-
	G-4	37.7382°	140.8035°	7.7	218	35.4	6.1	15.8	2.623	0.1	0.1	3.5	47.8	36.7	11.8	0.079	4.8	34	880	-
Lake Akimoto	H-1	37.6575°	140.1264°	7.0	126	50.5	9.6	31.8	2.516	0.0	0.0	0.1	0.4	58.0	41.5	0.0070	2.0	29	740	0.70
	H-2	37.6616°	140.1226°	7.1	118	63.7	11.9	38.8	2.429	0.0	0.1	0.2	0.6	44.1	55.0	0.0040	2.0	58	1600	-
Lake Inawashiro	J-1	37.4203°	140.1008°	5.8	397	26.3	1.8	2.9	2.691	1.0	2.9	24.7	53.2	14.6	3.6	0.16	9.5	2.4	56	0.16
Off the mouth of the Abukuma River (Sea Area in front of the mouth of the Abukuma River)	K-3	38.0458°	140.9518°	7.8	228	31.9	4.7	6.5	2.661	0.0	0.0	0.5	35.5	51.4	12.6	0.055	2.0	5.7	160	N.D.(0.13)
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	7.6	223	26.8	3.4	6.8	2.679	0.0	0.5	14.8	59.5	16.6	8.6	0.13	2.0	5.9	150	N.D.(0.12)
Off Iwaki City (Hisanohama)	M-2	37.1996°	141.0853°	7.7	270	22.8	2.2	1.6	2.725	0.0	0.5	1.7	88.3	5.2	4.3	0.15	2.0	1.2	32	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	2021/8/29	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	87	1.4	Immature fish,Mature fish	-	-	3.8	N.D.(1.5)	3.8	0.16
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	374	2.1	Immature fish,Mature fish	-	-	3.7	N.D.(1.4)	3.7	0.24
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Gnathopogon elongatus elongatus</i>	Gnathopogon elongatus elongatus	46	0.24	Immature fish,Mature fish	-	-	1.5	N.D.(0.71)	1.5	-
			Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	152	1.1	Immature fish	-	-	2.6	N.D.(1.3)	2.6	-
			Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus salmoides</i>	Largemouth bass	3	0.024	Immature fish	-	-	3.7	N.D.(1.9)	3.7	-
			Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	4	0.20	Immature fish	-	-	3.0	N.D.(1.8)	3.0	-
			Vertebrata	Amphibia	Anura	Ranidae	<i>Rana japonica</i>	Japanese brown frog	4	0.087	Imago	-	-	61.3	2.3	59	-
	Vertebrata	Amphibia	Anura	Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog	1	0.16	Imago	-	-	2.0	N.D.(1.1)	2.0	-		
	A-2 Harase River	2021/8/29	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.013	-	-	-	140	N.D.(8.6)	140	-
			Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	Macromia amphigena	81	0.032	Larva(Dragonfly larva)	-	-	8.2	N.D.(2.7)	8.2	-
			Arthropoda	Insecta	Odonata	Cordulegasteridae	<i>Anotogaster sieboldii</i>	<u>Anotogaster sieboldii</u>									
			Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	Melligomphus viridicostus									
			Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	Sieboldius albardae									
			Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius sp.</i>	Davidius									
			Arthropoda	Insecta	Odonata	Aeshnidae	<i>Boyeria maclachlani</i>	Boyeria maclachlani									
			Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	Protohermes grandis	21	0.0090	Larva	-	-	16	N.D.(4.2)	16	-
			Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	5	0.025	Juvenile,Imago	-	-	9.1	N.D.(3.5)	9.1	-
			Arthropoda	Malacostraca	Decapoda	Potamidae	<i>Geothelphusa dehaani</i>	Japanese freshwater crab	6	0.015	Juvenile,Imago	-	-	15	N.D.(3.5)	15	-
			Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Neocaridina sp.</i>	Neocaridina	219	0.035	Juvenile,Imago	-	-	5.5	N.D.(2.4)	5.5	-
			Mollusca	Gastropoda	Architaenioglossa	Viviparidae	<i>Cipangopaludina chinensis laeta</i>	Mud-snail	2	0.0053	Juvenile	-	Molluscos part	25	N.D.(7.1)	25	-
Mollusca			Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	Semisulcospira libertina	30	0.025	Imago	-	Molluscos part	8.7	N.D.(3.0)	8.7	-	
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagowskii steindachneri</i>	Amur minnow	15	0.096	Immature fish,Mature fish	-	-	9.4	N.D.(2.3)	9.4	-			
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	17	0.10	Immature fish,Mature fish	-	-	6.2	N.D.(2.3)	6.2	-			
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Pseudogobio esocinus esocinus</i>	Pseudogobio esocinus esocinus	7	0.061	Immature fish,Mature fish	-	-	7.9	N.D.(2.7)	7.9	-			
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	14	0.022	Immature fish	-	-	3.3	N.D.(2.9)	3.3	-			
Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	31	0.093	Immature fish,Mature fish	-	-	5.5	N.D.(2.4)	5.5	-			
Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	311	1.4	Immature fish	-	-	2.6	N.D.(1.3)	2.6	0.19			
Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou</i>	Yamame trout	7	0.14	Immature fish	-	-	8.3	N.D.(2.1)	8.3	-			
Vertebrata	Cephalaspidomorphi	Petromyzontiformes	Petromyzontidae	<i>Lethenteron reissneri</i>	Far eastern brook lamprey	9	0.050	Ammocoetes(larva)	-	-	1.8	N.D.(1.2)	1.8	-			
Vertebrata	Amphibia	Anura	-	-	-	Frog	59	0.042	Larva(Tadpole)	-	-	93.1	3.1	90	-		
Vertebrata	Amphibia	Anura	Ranidae	<i>Rana japonica</i>	<u>Japanese brown frog</u>	19	0.059	Imago	-	-	28	N.D.(3.3)	28	-			
Vertebrata	Amphibia	Anura	Pelophylax	<i>Pelophylax porosus porosus</i>	Tokyo daruma pond frog												
Coarse Particulate Organic Matter	-	-	-	-	-	-	Bottom fallen leaves	-	0.24	-	-	-	25	N.D.(1.6)	25	-	

*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-2	The main stream of the	2021/8/31	Vertebrata	Osteichthyes	Siluriformes	Ictaluridae	<i>Ictalurus punctatus</i>	Channel catfish	5	4.0	Immature fish,Mature fish	Fish	Viscera removed	9.1	N.D.(1.6)	9.1	0.24	
	B-3	Surikami River	2021/8/29	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0082	-	-	-	78	N.D.(4.1)	78	-	
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	158	0.058	Larva	-	-	-	8.2	N.D.(1.6)	8.2	-
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	14	0.0093	Larva(Dragonfly larva)	-	-	-	4.7	N.D.(3.8)	4.7	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</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	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	92	0.071	Larva	-	-	-	1.7	N.D.(1.1)	1.7	-
				Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	3	0.034	Juvenile,Imago	-	-	-	3.6	N.D.(1.8)	3.6	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	<i>Semisulcospira libertina</i>	30	0.024	Imago	-	-	Molluscous part	5.0	N.D.(1.6)	5.0	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus pollux</i>	Japanese fluvial sculpin	69	0.36	Immature fish	-	-	-	1.6	N.D.(0.52)	1.6	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagowskii steindachneri</i>	Amur minnow	51	0.25	Immature fish,Mature fish	-	-	-	3.8	N.D.(1.2)	3.8	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	64	0.46	Immature fish	-	-	-	4.2	N.D.(1.3)	4.2	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	21	0.15	Immature fish	-	-	-	4.9	N.D.(1.4)	4.9	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	19	0.068	Immature fish	-	-	-	2.4	N.D.(1.7)	2.4	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	Hemibarbus barbus	1	0.0091	Immature fish	-	-	-	N.D.	N.D.(3.3)	N.D.(2.8)	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Cobitis biwae</i>	<i>Cobitis biwae</i>	6	0.018	Mature fish	-	-	-	2.5	N.D.(2.2)	2.5	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	7	0.039	Immature fish,Mature fish	-	-	-	2.5	N.D.(1.7)	2.5	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	149	1.2	Immature fish	-	-	-	1.5	N.D.(0.56)	1.5	0.32
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	36	1.5	Immature fish,Mature fish	-	-	-	6.7	N.D.(1.1)	6.7	0.25
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou</i>	Yamame trout	1	0.010	Immature fish	-	-	-	N.D.	N.D.(3.8)	N.D.(3.1)	-
Vertebrata	Osteichthyes	Siluriformes	Bagridae	<i>Tachysurus tokiensis</i>	Cut-tailed bullhead	3	0.0068	Immature fish	-	-	-	N.D.	N.D.(4.8)	N.D.(4.0)	-				
Vertebrata	Amphibia	Anura	Glandirana	<i>Glandirana rugosa</i>	<u>Wrinkled frog</u>	4	0.047	Imago	-	-	-	3.4	N.D.(3.4)	3.4	-				
Vertebrata	Amphibia	Anura	Pelophylax	<i>Pelophylax porosus porosus</i>	Tokyo daruma pond frog														
		Coarse Particulate Organic Matter	-	-	-	-	-	Bottom fallen leaves	-	0.23	-	-	-	16	N.D.(1.6)	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				
Uda River	C-6	The main stream of the Uda River	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0017	-	-	-	29	N.D.(17)	29	-			
			Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	19	0.23	Juvenile,Imago	-	-	-	3.5	N.D.(1.7)	3.5	-		
			Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Paratya improvisa</i>	Freshwater shrimp	221	0.034	Juvenile,Imago	-	-	-	3.3	N.D.(1.4)	3.3	-		
			Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	6	0.057	Juvenile	-	-	-	3.2	N.D.(1.2)	3.2	-		
			Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	4	1.1	Immature fish,Mature fish	Obscure digesta	Viscera removed	-	7.8	N.D.(2.7)	7.8	0.068		
			2021/8/28	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	5	0.075	Immature fish	-	-	-	2.8	N.D.(0.63)	2.8	-	
			2021/8/23	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	120	0.43	Immature fish	-	-	-	6.6	N.D.(1.2)	6.6	-	
			2021/8/28	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Pseudogobio esocinus esocinus</i>	Pseudogobio esocinus esocinus	4	0.037	Immature fish	-	-	-	2.2	N.D.(1.3)	2.2	-	
			2021/8/23	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	71	0.55	Immature fish,Mature fish	-	-	-	2.8	N.D.(1.4)	2.8	-	
			2021/8/28	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorfii</i>	5	0.026	Immature fish	-	-	-	7.8	N.D.(3.6)	7.8	-	
			2021/8/23	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Gnathopogon elongatus elongatus</i>	<i>Gnathopogon elongatus elongatus</i>	49	0.078	Immature fish,Mature fish	-	-	-	1.6	N.D.(0.71)	1.6	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Cobitis biwae</i>	<i>Cobitis biwae</i>	29	0.074	Mature fish	-	-	-	1.7	N.D.(0.77)	1.7	-	
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	111	1.3	Immature fish,Mature fish	-	-	-	9.9	N.D.(1.8)	9.9	0.17	
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	<i>Rhinogobius fluviatilis</i>	23	0.051	Immature fish,Mature fish	-	-	-	3.8	N.D.(1.3)	3.8	-	
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>											
				Vertebrata	Osteichthyes	Siluriformes	Bagridae	<i>Tachysurus tokiensis</i>	Cut-tailed bullhead	12	0.048	Immature fish	-	-	-	2.0	N.D.(0.98)	2.0	-	
				Vertebrata	Amphibia	Anura	-	-	-	Frog	51	0.14	Larva(Tadpole)	-	-	-	14	N.D.(2.5)	14	-
				Vertebrata	Amphibia	Anura	Ranidae	<i>Rana japonica</i>	<u>Japanese brown frog</u>	8	0.036	Imago	-	-	-	6.0	N.D.(2.5)	6.0	-	
			Vertebrata	Amphibia	Anura	Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog												
Course Particulate Organic Matter	-	-	-	-	-	Bottom fallen leaves	-	0.22	-	-	-	-	9.0	N.D.(1.6)	9.0	-				

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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	2021/8/25	Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	1	0.14	Immature fish	-	-	5.9	N.D.(1.5)	5.9	-	
			2021/8/27	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	46	1.1	Immature fish,Mature fish	-	-	5.8	N.D.(1.3)	5.8	0.18	
			2021/8/25	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	8	0.066	Immature fish,Mature fish	-	-	5.0	N.D.(2.5)	5.0	-	
			2021/8/27	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	22	0.36	Immature fish,Mature fish	-	-	12	N.D.(1.3)	12	-	
			2021/8/25	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	3	0.078	Immature fish	-	-	3.4	N.D.(0.78)	3.4	-	
			2021/8/27	Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	192	2.8	Immature fish,Mature fish	-	-	15	N.D.(1.3)	15	0.12	
			2021/8/25	Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	6	0.21	Immature fish,Mature fish	-	-	16	N.D.(1.6)	16	-	
			2021/8/27	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	Micropteridae	<i>Micropterus dolomieu</i>	Small mouth bass	1	0.046	Immature fish	Freshwater goby	Viscera removed	8.7	N.D.(2.7)	8.7	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	Tridentigeridae	<i>Tridentiger brevispinis</i>	Dusky tripletooth goby	2	0.022	Mature fish	-	-	4.4	N.D.(2.0)	4.4	-
	Vertebrata	Osteichthyes		Perciformes	Gobiidae	Acanthogobiidae	<i>Acanthogobius flavimanus</i>	Yellowfin Goby	2	0.048	Mature fish	-	-	2.7	N.D.(0.89)	2.7	-		
	Vertebrata	Osteichthyes		Perciformes	Mugilidae	Mugilidae	<i>Mugil cephalus cephalus</i>	Flathead mullet	20	0.21	Immature fish	-	-	20	N.D.(1.3)	20	-		
	2021/8/25	Vertebrata	Osteichthyes	Siluriformes	Siluridae	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.2	Mature fish	Empty stomach	Viscera removed	16	N.D.(2.2)	16	0.40		
	D-4 b	The main stream of the Mano River	2021/8/25	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0028	-	-	-	62	N.D.(12)	62	-	
				Algae/plant	Monocotyledoneae	Najadales	Potamogetonaceae	<i>Potamogeton bertholdii</i>	Small pondweed	-	0.10	-	-	-	8.9	N.D.(0.92)	8.9	-	
				Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	5	0.080	Imago	-	-	16	N.D.(3.6)	16	-	
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	15	0.026	Imago	-	-	7.5	N.D.(3.4)	7.5	-	
				Arthropoda	Malacostraca	Decapoda	Atyidae	<i>Paratya improvisa</i>	Freshwater shrimp	471	0.041	Juvenile,Imago	-	-	9.4	N.D.(3.4)	9.4	-	
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	16	0.46	Juvenile	-	-	11	N.D.(2.5)	11	1.8	
				Mollusca	Bivalvia	Unionoida	Unionidae	<i>Inversium jokohamensis</i>	Inversium jokohamensis	13	0.056	Juvenile	-	Molluscos part	6.7	N.D.(3.0)	6.7	-	
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	Semisulcospira libertina	28	0.025	Imago	-	Molluscos part	7.2	N.D.(3.0)	7.2	-	
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	2	0.50	Immature fish,Mature fish	Fish,Common prawn	Viscera removed	13	N.D.(1.4)	13	-	
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus pollux</i>	Japanese fluvial sculpin	2	0.048	Immature fish	-	-	5.7	N.D.(3.0)	5.7	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	59	1.1	Immature fish,Mature fish	-	-	8.5	N.D.(3.1)	8.5	0.15	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	212	1.6	Immature fish,Mature fish	-	-	4.9	N.D.(1.3)	4.9	0.24	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Pseudogobio esocinus esocinus</i>	Pseudogobio esocinus esocinus	10	0.13	Immature fish	-	-	5.0	N.D.(2.0)	5.0	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Gnathopogon elongatus elongatus</i>	Gnathopogon elongatus elongatus	6	0.025	Immature fish,Mature fish	-	-	4.0	N.D.(2.8)	4.0	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	1	0.019	Mature fish	-	-	6.0	N.D.(2.5)	6.0	-	
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	141	2.5	Immature fish,Mature fish	-	-	22.2	1.2	21	0.17	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	Micropteridae	<i>Micropterus dolomieu</i>	Small mouth bass	4	0.25	Immature fish	Fish	Viscera removed	9.7	N.D.(1.5)	9.7	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	Gymnogobiidae	<i>Gymnogobius urotaenia</i>	Goby	1	0.017	Immature fish	-	-	6.3	N.D.(2.6)	6.3	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	Rhinogobiidae	<i>Rhinogobius fluviatilis</i>	Rhinogobius fluviatilis	48	0.17	Mature fish	-	-	8.2	N.D.(1.8)	8.2	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	Rhinogobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>									
Vertebrata	Osteichthyes	Perciformes	Gobiidae	Rhinogobiidae	<i>Rhinogobius sp.</i>	Rhinogobius													
Vertebrata	Amphibia	Anura	Ranidae	<i>Rana japonica</i>	Japanese brown frog	4	0.048	Imago	-	-	10	N.D.(2.9)	10	-					
Coarse Particulate Organic Matter	-	-	-	-	-	Bottom fallen leaves	-	0.23	-	-	-	17	N.D.(1.5)	17	-				
D-5	The main stream of the Mano River	2021/8/25	Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	1	0.090	Imago	-	-	8.5	N.D.(2.1)	8.5	-		
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	29	0.36	Immature fish	-	-	5.3	N.D.(1.6)	5.3	-		
		2021/8/27	Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou</i>	Yamame trout	3	0.079	Immature fish	-	-	6.4	N.D.(2.6)	6.4	-		
		2021/8/25	Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	Rhinogobius fluviatilis	5	0.020	Immature fish,Mature fish	-	-	13	N.D.(3.2)	13	-		
			Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>											
Vertebrata	Amphibia	Anura	Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog	1	0.34	Imago	Japanese freshwater crab	-	-	16	N.D.(1.7)	16	-				

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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	2021/8/24	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0059	-	-	-	150	N.D.(20)	150	-		
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	Stenopsyche marmorata	28	0.0098	Larva	-	-	-	19	N.D.(5.7)	19	-
				Arthropoda	Insecta	Megaloptera	Corydalidae	<i>Protohermes grandis</i>	Protohermes grandis	72	0.039	Larva	-	-	-	9.6	N.D.(4.0)	9.6	-
				Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	10	0.037	Juvenile,Imago	-	-	-	29	N.D.(4.1)	29	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	72	0.66	Juvenile	-	-	-	20	N.D.(1.5)	20	5.0
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	1	0.33	Mature fish	Obscure digesta	Viscera removed	-	29	N.D.(1.9)	29	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus pollux</i>	Japanese fluvial sculpin	18	0.24	Immature fish	-	-	-	9.8	N.D.(1.2)	9.8	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	46	1.1	Immature fish,Mature fish	-	-	-	15	N.D.(1.3)	15	0.40
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	171	1.1	Immature fish	-	-	-	14	N.D.(1.4)	14	0.59
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Pseudogobio esocinus esocinus</i>	Pseudogobio esocinus esocinus	57	0.16	Immature fish,Mature fish	-	-	-	10	N.D.(1.7)	10	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Sarcocheilichthys variegatus variegatus</i>	Sarcocheilichthys variegatus variegatus	4	0.037	Immature fish,Mature fish	-	-	-	13	N.D.(5.5)	13	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	23	0.093	Immature fish	-	-	-	7.9	N.D.(2.9)	7.9	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Acheilognathus melanogaster</i>	Acheilognathus melanogaster	12	0.010	Immature fish,Mature fish	-	-	-	61	N.D.(3.4)	61	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Gnathopogon elongatus elongatus</i>	Gnathopogon elongatus elongatus	18	0.074	Immature fish,Mature fish	-	-	-	12	N.D.(3.7)	12	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbuis</i>	Hemibarbus barbuis	80	0.26	Immature fish	-	-	-	6.0	N.D.(1.5)	6.0	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbuis</i>	Hemibarbus barbuis	1	1.8	Mature fish	Obscure digesta	Viscera removed	-	33	N.D.(1.8)	33	1.1
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	27	0.091	Immature fish,Mature fish	-	-	-	7.4	N.D.(2.8)	7.4	-
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	41	1.0	Immature fish,Mature fish	-	-	-	62	N.D.(1.9)	62	0.38
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	Rhinogobius fluviatilis	78	0.23	Mature fish	-	-	-	17	N.D.(1.7)	17	-
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	Rhinogobius nagoyae														
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius sp.</i>	<u>Rhinogobius</u>														
Vertebrata	Amphibia	Anura	Glandirana	<i>Glandirana rugosa</i>	<u>Wrinkled frog</u>	5	0.023	Imago	-	-	-	8.5	N.D.(5.0)	8.5	-				
Vertebrata	Amphibia	Anura	Pelophylax	<i>Pelophylax porosus porosus</i>	Tokyo daruma pond frog														
			Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.25	-	-	-	60.7	1.7	59	-		
	E-3	The main stream of the Niida River	2021/8/24	Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	21	0.020	Juvenile,Imago	-	-	4.7	N.D.(3.3)	4.7	-	

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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	2021/8/26	Algae/plant	-	-	-	Riverbed Deposits (Include algae)	-	0.0045	-	-	-	210	N.D.(16)	210	-		
			2021/8/28	Arthropoda	Insecta	Ephemeroptera	Isonychiidae	<i>Isonychia valida</i>	<i>Isonychia valida</i>	84	0.0087	Larva	-	-	-	128.8	8.8	120	-
				Arthropoda	Insecta	Plecoptera	Perlidae	<i>Oyamia lugubris</i>	<i>Oyamia lugubris</i>	77	0.015	Larva	-	-	-	16	N.D.(5.8)	16	-
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	281	0.090	Larva	-	-	-	96	N.D.(3.7)	96	-
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	66	0.020	Larva(Dragonfly larva)	-	-	-	20	N.D.(5.4)	20	-
				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	Gomphidae	<i>Davidius sp.</i>	<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>	69	0.048	Larva	-	-	-	22	N.D.(3.6)	22	-	
			2021/8/26	Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	29	0.034	Juvenile,Imago	-	-	-	67	N.D.(4.4)	67	-
			Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	23	0.30	Juvenile	-	-	-	91.5	3.5	88	-	
			2021/8/28	Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	5	2.1	Immature fish,Mature fish	Stenopsyche marmorata,Common prawn	Viscera removed	155.4	5.4	150	0.47	
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus pollux</i>	Japanese fluvial sculpin	1	0.035	Immature fish	-	-	43	N.D.(3.5)	43	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	14	0.20	Immature fish	-	-	85.6	2.6	83	-	
			2021/8/26	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	19	0.11	Immature fish	-	-	52	N.D.(2.6)	52	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	22	0.10	Immature fish	-	-	40	N.D.(3.0)	40	-	
			2021/8/28	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	0.071	Immature fish	Obscure digesta	Viscera removed	30	N.D.(3.7)	30	-	
			2021/8/26	Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	<u><i>Rhinogobius fluviatilis</i></u>	6	0.015	Immature fish,Mature fish	-	-	52	N.D.(5.2)	52	-	
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius nagoyae</i>	<i>Rhinogobius nagoyae</i>										
				Vertebrata	Cephalaspidomorphi	Petromyzontiformes	Petromyzontidae	<i>Lethenteron reissneri</i>	Far eastern brook lamprey	5	0.019	Ammocoetes(larva)	-	-	16	N.D.(4.8)	16	-	
					Course Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.25	-	-	-	99.9	2.9	97	-
F-3	The main stream of the Ota River	2021/8/24	Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	<i>Cottus pollux</i>	Japanese fluvial sculpin	1	0.0079	Immature fish	-	-	84	N.D.(6.0)	84	-		
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	6	0.029	Immature fish	-	-	36	N.D.(4.7)	36	-		
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	4.2	Mature fish	Obscure digesta	Viscera removed	125.4	5.4	120	2.5		
F-5	The main stream of the Ota River	2021/8/24	Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	<i>Anguilla japonica</i>	Japanese eel	3	0.53	Immature fish,Mature fish	Obscure digesta	Viscera removed	155.0	5.0	150	-		
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	5.8	Mature fish	Obscure digesta	Viscera removed	46	N.D.(1.6)	46	2.5		
			Vertebrata	Amphibia	Anura	Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog	25	0.057	Larva(Tadpole)	-	-	323	13	310	-		

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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	2021/8/27	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.023	-	-	-	N.D.	N.D.(1.2)	N.D.(1.1)	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	1	0.37	Mature fish	Fish	Viscera removed	28.2	1.2	27	-	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorffii</i>	2	1.7	Mature fish	Obscure digesta	Viscera removed	28	N.D.(1.5)	28	1.1	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus salmoides</i>	Largemouth bass	1	0.18	Immature fish	Obscure digesta	Viscera removed	28	N.D.(2.4)	28	-	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus salmoides</i>	Largemouth bass	1	1.8	Mature fish	Bluegill,Red swamp crawfish	Viscera removed	90.6	3.6	87	1.2	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	4	0.76	Immature fish	Fish,Caterpillar,Grasshopper	Viscera removed	30	N.D.(1.4)	30	-	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	2	1.6	Mature fish	Bluegill	Viscera removed	52.3	2.3	50	0.43	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis macrochirus</i>	Bluegill	55	1.2	Immature fish,Mature fish	Obscure digesta	Viscera removed	11	N.D.(1.7)	11	0.43	
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis macrochirus</i>	Bluegill	12	0.31	Immature fish,Mature fish	Plant piece,Polyzoan dormant bud,Ant,Ephemeroptera	Viscera removed	13	N.D.(1.3)	13	-	
	Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	0.88	Mature fish	Obscure digesta	Viscera removed	43	N.D.(1.7)	43	-				
	G-4	Inflowing rivers	2021/8/27	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0020	-	-	-	160	N.D.(24)	160	-	
				Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	Macromia amphigena	53	0.014	Larva(Dragonfly larva)	-	-	-	8.9	N.D.(5.9)	8.9	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	Anotogaster sieboldii										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	Melligomphus viridicostus										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	Sieboldius albardae										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Davidius sp.</i>	Davidius										
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Asiagomphus melaenops</i>	Asiagomphus melaenops										
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagowskii steindachneri</i>	Amur minnow	22	0.047	Immature fish,Mature fish	-	-	-	7.6	N.D.(3.8)	7.6	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	39	0.25	Immature fish	-	-	-	14	N.D.(1.4)	14	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou</i>	Yamame trout	2	0.028	Immature fish	-	-	-	8.6	N.D.(5.1)	8.6	-
Vertebrata				Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius fluviatilis</i>	Rhinogobius fluviatilis	5	0.034	Mature fish	-	-	-	9.6	N.D.(4.4)	9.6	-	
Vertebrata				Amphibia	Anura	-	-	-	Frog	22	0.0059	Larva(Tadpole)	-	-	-	396	16	380	-
Vertebrata				Amphibia	Anura	Bufo	<i>Bufo japonicus formosus</i>	Japanese toad	1	0.10	Imago	Geotrupidae,Ant	-	-	-	39	N.D.(2.7)	39	-
Vertebrata	Amphibia	Caudata	Salamandridae	<i>Cynops pyrrhogaster</i>	Cynops pyrrhogaster	3	0.025	Imago	-	-	-	22	N.D.(5.4)	22	-				
Coarse Particulate Organic Matter	-	-	-	-	-	Bottom fallen leaves	-	0.24	-	-	-	-	68.8	2.8	66	-			
Lake Akimoto	H-1 H-2 H-3	In the lake	2021/8/30	Arthropoda	Malacostraca	Decapoda	Astacidae	<i>Pacifastacus leniusculus trowbridgii</i>	Signal crayfish	46	1.6	Imago	-	-	22.2	1.2	21	5.5	
				Mollusca	Bivalvia	Unionoida	Unionidae	<i>Cristaria plicata</i>	Cristaria plicata	5	1.1	Imago	-	Molluscos part	1.2	N.D.(0.61)	1.2	0.081	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	14	3.9	Mature fish	Obscure digesta	Viscera removed	24	N.D.(1.2)	24	0.58	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	<i>Carassius auratus langsdorffii</i>	6	4.9	Mature fish	Obscure digesta	Viscera removed	24	N.D.(1.5)	24	0.93	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	Hemibarbus barbus	1	0.17	Immature fish	Obscure digesta	Viscera removed	15	N.D.(1.6)	15	-	
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	<i>Hypomesus nipponensis</i>	Japanese smelt	76	0.45	Mature fish	-	-	-	7.0	N.D.(1.6)	7.0	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Salvelinus leucomaenis</i>	Char	1	0.22	Mature fish	Empty stomach	Viscera removed	17	N.D.(1.3)	17	-	
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Seema	6	1.7	Immature fish	Japanese smelt	Viscera removed	23	N.D.(1.3)	23	0.23	
	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	1	1.3	Mature fish	Empty stomach	Viscera removed	70.2	2.2	68	0.94				
	H-4	Within the lake and rivers in the vicinity	2021/8/30	Arthropoda	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	Anotogaster sieboldii	36	0.027	Larva(Dragonfly larva)	-	-	1.9	N.D.(1.6)	1.9	-	
Mollusca				Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	Semisulcospira libertina	29	0.026	Juvenile,Imago	-	Molluscos part	5.6	N.D.(1.4)	5.6	-		
Vertebrata				Amphibia	Anura	Ranidae	<i>Rana ornativentris</i>	Montane brown frog	10	0.092	Imago	-	-	2.8	N.D.(1.7)	2.8	-		
Vertebrata	Amphibia	Anura	Glandirana	<i>Glandirana rugosa</i>	Wrinkled frog														

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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)	Within the lake and Nagase River	2021/8/31	Arthropoda	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	Macromia amphigena	35	0.018	Larva(Dragonfly larva)	-	-	1.5	N.D.(2.1)	1.5	-
				Arthropoda	Insecta	Odonata	Gomphidae	<i>Shaogomphus postocularis</i>	Shaogomphus postocularis									
				Arthropoda	Malacostraca	Decapoda	Cambaridae	<i>Procambarus clarkii</i>	Red swamp crawfish	15	0.032	Juvenile	-	-	3.6	N.D.(2.4)	3.6	-
				Arthropoda	Malacostraca	Decapoda	Astacidae	<i>Pacifastacus leniusculus trowbridgii</i>	Signal crayfish	63	0.13	Juvenile,Imago	-	-	4.1	N.D.(0.79)	4.1	-
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	95	0.042	Imago	-	-	3.3	N.D.(1.8)	3.3	-
				Mollusca	Gastropoda	Architaenioglossa	Viviparidae	<i>Cipangopaludina japonica</i>	Japanese mysterysnail	1	0.0065	Juvenile	-	Molluscos part	N.D.	N.D.(5.8)	N.D.(5.0)	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	<i>Semisulcospira reiniana</i>	Semisulcospira reiniana	30	0.015	Juvenile,Imago	-	Molluscos part	3.2	N.D.(2.8)	3.2	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	12	0.032	Immature fish	-	-	3.0	N.D.(1.7)	3.0	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	1	0.021	Mature fish	-	-	2.3	N.D.(2.7)	2.3	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Acheilognathus rhombeus</i>	Acheilognathus rhombeus	8	0.030	Immature fish	-	-	2.1	N.D.(2.0)	2.1	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	Carassius auratus langsdorfii	2	0.26	Immature fish,Mature fish	Obscure digesta	Viscera removed	5.9	N.D.(2.0)	5.9	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Gnathopogon elongatus elongatus</i>	Gnathopogon elongatus elongatus	3	0.010	Immature fish	-	-	2.5	N.D.(2.8)	2.5	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbuis</i>	Hemibarbus barbuis	1	1.5	Mature fish	Obscure digesta	Viscera removed	9.2	N.D.(1.5)	9.2	0.45
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Slender bitterling</i>	Slender bitterling	7	0.011	Immature fish,Mature fish	-	-	N.D.	N.D.(3.2)	N.D.(2.6)	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	16	0.046	Immature fish,Mature fish	-	-	1.9	N.D.(1.4)	1.9	-
				Vertebrata	Osteichthyes	Perciformes	Actinopterygii	<i>Channa argus</i>	Snakehead	3	0.023	Immature fish	-	-	6.7	N.D.(2.9)	6.7	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Gymnogobius urotaenia</i>	Goby	69	0.56	Immature fish	-	-	4.1	N.D.(1.6)	4.1	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius kurodai</i>	Rhinogobius kurodai	18	0.025	Immature fish,Mature fish	-	-	3.3	N.D.(2.5)	3.3	-
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	3	0.29	Immature fish	Grasshopper,Fish	Viscera removed	8.0	N.D.(1.9)	8.0	-
				Vertebrata	Amphibia	Anura	Ranidae	<i>Rana japonica</i>	Japanese brown frog	7	0.059	Imago	-	-	3.0	N.D.(2.7)	3.0	-
Vertebrata	Amphibia	Anura	Glandirana	<i>Glandirana rugosa</i>	Wrinkled frog													
				Course Particulate Organic Matter	-	-	-	-	-	0.20	-	-	-	5.5	N.D.(1.8)	5.5	-	
Lake Inawashiro	J-1 (south lakeside)	Within the lake and around the Oninuma	2021/8/30	Algae/plant	Monocotyledoneae	Alismatales	Hydrocharitaceae	<i>Elodea nuttallii</i>	Western waterweed	-	0.28	-	-	-	0.64	N.D.(0.26)	0.64	-
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon paucidens</i>	Common prawn	652	0.28	Juvenile,Imago	-	-	5.9	N.D.(1.4)	5.9	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Opsariichthys platypus</i>	Pale chub	2	0.014	Immature fish	-	-	7.9	N.D.(3.0)	7.9	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	Carassius auratus langsdorfii	5	0.059	Immature fish,Mature fish	Obscure digesta	Viscera removed	11	N.D.(3.1)	11	-
			2021/8/31	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	Carassius auratus langsdorfii	9	2.6	Mature fish	Obscure digesta	Viscera removed	25	N.D.(1.6)	25	0.51
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbuis</i>	Hemibarbus barbuis	3	2.5	Mature fish	Obscure digesta	Viscera removed	27	N.D.(1.1)	27	0.39
			2021/8/30	Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	11	0.059	Immature fish,Mature fish	-	-	1.4	N.D.(1.3)	1.4	-
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Small mouth bass	1	0.12	Immature fish	Empty stomach	Viscera removed	11	N.D.(3.1)	11	-
			2021/8/30	Vertebrata	Osteichthyes	Perciformes	Actinopterygii	<i>Channa argus</i>	Snakehead	10	0.61	Immature fish	Fish	Viscera removed	15	N.D.(1.9)	15	-
			2021/8/31	Vertebrata	Osteichthyes	Perciformes	Actinopterygii	<i>Channa argus</i>	Snakehead	1	1.7	Mature fish	Japanese smelt	Viscera removed	34.2	1.2	33	0.66
			2021/8/30	Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Gymnogobius urotaenia</i>	Goby	43	0.098	Immature fish	-	-	5.9	N.D.(1.9)	5.9	-
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	0.50	Mature fish	Obscure digesta	Viscera removed	16	N.D.(1.7)	16	-
			2021/8/31	Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	0.81	Mature fish	Obscure digesta	Viscera removed	17	N.D.(1.2)	17	-
Vertebrata	Amphibia	Anura		Lithobates	<i>Lithobates catesbeianus</i>	American bullfrog	1	0.032	Imago	-	-	N.D.	N.D.(0.86)	N.D.(0.76)	-			
2021/8/30	Vertebrata	Amphibia	Caudata	Salamandridae	<i>Cynops pyrrhogaster</i>	Cynops pyrrhogaster	3	0.019	Imago	-	-	N.D.	N.D.(1.8)	N.D.(1.5)	-			

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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	2021/8/27	Vertebrata	Osteichthyes	Scorpaeniformes	Scorpaenidae	<i>Sebastes cheni</i>	Rockfish	9	1.1	Immature fish	Shrimp	Viscera removed	N.D.	N.D.(0.22)	N.D.(0.22)	-	
				Vertebrata	Osteichthyes	Scorpaeniformes	Triglidae	<i>Chelidonichthys spinosus</i>	Gurnard	2	1.2	Mature fish	Empty stomach	Viscera removed	0.66	N.D.(0.32)	0.66	N.D.(0.018)	
				Vertebrata	Osteichthyes	Pleuronectiformes	Paralichthyidae	<i>Paralichthys olivaceus</i>	Bastard halibut	1	0.78	Mature fish	Empty stomach	Viscera removed	0.47	N.D.(0.35)	0.47	-	
				Vertebrata	Osteichthyes	Zeiformes	Zeidae	<i>Zeus faber</i>	John dory	1	1.1	Mature fish	Empty stomach	Viscera removed	N.D.	N.D.(0.33)	N.D.(0.31)	N.D.(0.022)	
Off Soma City	L-1 L-2 L-3	Matsukawaura Lagoon	2021/8/23	Algae/plant	Monocotyledoneae	Najadales	Zosteraceae	<i>Zostera marina</i>	Eel grass	-	1.2	-	-	-	0.19	N.D.(0.096)	0.19	-	
			2021/8/25	Annelida	Polychaeta	Eunicida	Lumbrineridae	<i>Lumbrineridae</i>	Lumbrineridae	168	0.044	Juvenile,Imago	-	-	-	2.3	N.D.(0.96)	2.3	-
				Annelida	Polychaeta	Phyllodocida	Nereididae	<i>Nereididae</i>	Nereididae										
				Annelida	Polychaeta	Spionida	Cirratulidae	<i>Cirratulida</i>	Polychaeta										
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon sp.</i>	Palaemon	27	0.015	Juvenile,Imago	-	-	N.D.	N.D.(2.5)	N.D.(2.2)	-	
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Hemigrapsus sp.</i>	Hemigrapsus	10	0.044	Juvenile	-	-	4.0	N.D.(0.98)	4.0	-	
				Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Eriocheir japonica</i>	Japanese mitten crab	1	0.056	Juvenile	-	-	5.2	N.D.(0.97)	5.2	-	
				Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Charybdis japonica</i>	Shore swimming crab	25	1.2	Juvenile,Imago	-	-	0.62	N.D.(0.29)	0.62	0.073	
				Mollusca	Bivalvia	Veneroidea	Veneridae	<i>Ruditapes philippinarum</i>	Japanese littleneck	30	0.066	Juvenile,Imago	-	Molluscos part	0.68	N.D.(0.74)	0.68	-	
				Vertebrata	Osteichthyes	Perciformes	Sparidae	<i>Acanthopagrus schlegelii</i>	Japanese black porgy	10	0.047	Immature fish	-	-	N.D.	N.D.(1.2)	N.D.(0.94)	-	
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Acanthogobius flavimanus</i>	Yellowfin Goby	6	0.18	Immature fish,Mature fish	-	-	1.6	N.D.(0.74)	1.6	-					
Vertebrata	Osteichthyes	Beloniformes	Hemiramphidae	<i>Japanese halfbeak</i>	Japanese halfbeak	2	0.020	Immature fish	-	-	N.D.	N.D.(1.5)	N.D.(1.4)	-					
Off Iwaki City	M-1 M-2 M-3	Offshore of Hisanohama	2021/8/24	Mollusca	Cephalopoda	Decapodiformes	Ommastrephidae	<i>Japanese flying squid</i>	Japanese flying squid	2	0.20	Juvenile	-	-	0.97	N.D.(0.69)	0.97	-	
				Mollusca	Cephalopoda	Decapodiformes	Sepiidae	<i>Sepia andreaana</i>	Sepia andreaana	9	0.13	Juvenile	-	-	N.D.	N.D.(0.48)	N.D.(0.48)	-	
				Mollusca	Cephalopoda	Decapodiformes	Loliginidae	<i>Loliolus japonica</i>	Japanese squid	97	0.44	Juvenile	-	-	N.D.	N.D.(0.27)	N.D.(0.28)	-	
				Mollusca	Cephalopoda	Octopoda	Octopodidae	<i>Octopus vulgaris</i>	Common octopus	1	0.048	Juvenile	-	-	N.D.	N.D.(0.83)	N.D.(0.75)	-	
				Echinodermata	Asteroidea	Forcipulatida	Asteriidae	<i>Asterias amurensis</i>	Northern pacific seastar	3	0.75	Imago	-	-	0.42	N.D.(0.25)	0.42	-	
				Vertebrata	Osteichthyes	Scorpaeniformes	Triglidae	<i>Lepidotrigla microptera</i>	Searobin	6	1.2	Immature fish,Mature fish	Shrimp,Crab,Ragworm	Viscera removed	1.3	N.D.(0.82)	1.3	0.027	
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae	<i>Pleuronichthys japonicus</i>	Finespotted flounder	4	0.48	Immature fish,Mature fish	Ragworm	Viscera removed	0.68	N.D.(0.58)	0.68	-	
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae	<i>Pleuronectes herzensteini</i>	Yellow striped flounder	3	0.47	Immature fish	Empty stomach	Viscera removed	0.78	N.D.(0.55)	0.78	-	
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae	<i>Pleuronectes yokohamae</i>	Marbled sole	3	0.49	Immature fish	Shrimp,Ragworm	Viscera removed	0.82	N.D.(0.34)	0.82	-	
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae	<i>Eopsetta grigorjewi</i>	Shotted halibut	1	0.14	Immature fish	Empty stomach	Viscera removed	0.73	N.D.(0.40)	0.73	-	
				Vertebrata	Osteichthyes	Perciformes	Carangidae	<i>Whitefin trevally</i>	Whitefin trevally	3	0.13	Immature fish	Shrimp	Viscera removed	1.0	N.D.(0.77)	1.0	-	
				Vertebrata	Osteichthyes	Perciformes	Sparidae	<i>Eynniss japonica</i>	Crimson sea-bream	3	0.94	Immature fish,Mature fish	Shrimp	Viscera removed	0.41	N.D.(0.28)	0.41	-	
				Vertebrata	Osteichthyes	Perciformes	Sparidae	<i>Pagrus major</i>	Red seabream	1	0.83	Immature fish	Empty stomach	Viscera removed	0.43	N.D.(0.37)	0.43	-	
	Vertebrata	Osteichthyes	Zeiformes	Zeidae	<i>Zenopsis nebulosa</i>	Dory	5	0.29	Immature fish	Empty stomach	Viscera removed	0.36	N.D.(0.24)	0.36	-				
M-4	Hisanohama Coastal areas	2021/8/24	Algae/plant	Phaeophyceae	Laminariales	Laminariaceae	<i>Eisenia bicyclis</i>	Eisenia bicyclis	-	0.30	-	-	-	0.25	N.D.(0.25)	0.25	-		
			Mollusca	Gastropoda	Archaeogastropoda	Haliotidae	<i>Haliotis sp.</i>	Abalone	3	0.29	Imago	-	Molluscos part	N.D.	N.D.(0.30)	N.D.(0.31)	-		
			Echinodermata	Echinoidea	Echinoidea	Strongylocentrotidae	<i>Strongylocentrotus nudus</i>	Northern sea urchin	7	0.65	Imago	-	-	N.D.	N.D.(0.32)	N.D.(0.34)	-		

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