○ Results (water)

Locations				2018 December 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	2.6	4.0	10.7	22.7	0.12	1.9	2	2.1	N.D.(0.0013)	0.011	0.00087
	A-1(Bottom layer)	37.6210°	140.5218°	7.3	2.9	4.1	11.1	22.1	0.12	1.9	4	2.2	N.D.(0.0013)	0.012	-
	A-2	37.5673°	140.3946°	7.2	0.7	2.3	12.0	11.8	0.07	0.9	1	1.1	N.D.(0.0012)	0.0083	-
	B-2	37.8121°	140.5058°	7.3	1.4	3.4	11.6	19.6	0.10	1.4	5	2.8	0.0011	0.014	-
	B-3	37.8182°	140.4679°	7.5	0.5	2.4	13.0	8.7	0.05	1.0	1	1.0	N.D.(0.0012)	0.0039	-
Uda River	C-6	37.7764°	140.8877°	7.3	<0.5	2.4	12.0	9.5	0.05	1.1	<1	0.3	N.D.(0.0013)	0.0063	0.0011
Mano River	D-4 a	37.7308°	140.9081°	7.0	<0.5	2.0	11.1	9.4	0.05	0.9	<1	0.5	N.D.(0.0013)	0.014	0.00097
Niida River	E-2 a	37.6640°	140.9447°	7.1	<0.5	2.1	12.1	7.4	0.04	0.9	1	1.2	0.0017	0.025	0.0014
Ota River	F-1	37.5975°	140.9252°	7.1	<0.5	2.6	11.3	6.1	0.05	1.0	<1	0.6	0.017	0.18	0.0041
Lake Hayama (Mano Dam)	G-1(Surface layer)	37.7321°	140.8127°	7.1	<0.5	3.3	9.6	6.7	0.04	1.8	1	1.0	0.0050	0.047	-
	G-1(Bottom layer)	37.7321°	140.8127°	7.1	<0.5	3.3	10.2	6.9	0.04	1.7	1	1.2	N.D.(0.0017)	0.023	0.0011
	G-4	37.7382°	140.8035°	7.3	0.6	2.4	11.0	7.7	0.05	1.3	<1	0.3	N.D.(0.0014)	0.0065	-
Lake Akimoto	H-1(Surface layer)	37.6575°	140.1264°	6.9	<0.5	3.0	9.9	5.1	0.03	1.2	2	1.5	N.D.(0.0014)	0.014	-
	H-1(Bottom layer)	37.6575°	140.1264°	6.9	0.6	3.3	11.4	5.8	0.04	1.5	2	1.7	N.D.(0.0012)	0.0061	0.0012
Lake Inawashiro	J-1(Surface layer)	37.4203°	140.1008°	6.6	<0.5	1.3	10.9	11.0	0.06	0.6	<1	0.3	N.D.(0.0013)	0.0065	-
	J-1(Bottom layer)	37.4203°	140.1008°	6.7	<0.5	1.4	11.0	11.1	0.06	0.7	<1	0.3	N.D.(0.0015)	0.0058	0.00070
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	<0.5	1.4	8.3	4980	33.36	1.0	2	0.7	N.D.(0.0013)	0.0052	-
	K-3(Bottom layer)	38.0458°	140.9518°	8.1	<0.5	1.6	8.4	5000	33.46	1.0	3	0.7	N.D.(0.0014)	0.0057	0.00090
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	8.1	<0.5	1.5	8.8	4930	32.95	1.0	3	0.9	N.D.(0.0014)	0.0072	0.00071
Off Iwaki City (Hisanohama)	M-2(Surface layer)	37.1996°	141.0853°	8.1	<0.5	1.3	8.0	5080	34.13	0.9	2	0.4	N.D.(0.0014)	0.0022	-
	M-2(Bottom layer)	37.1996°	141.0853°	8.1	<0.5	1.4	7.6	5080	34.11	1.0	2	0.6	N.D.(0.0013)	0.0017	0.00087

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

○ Results (sediments)

Locations				2018 December Survey																	
										Grain size distribution											
		Latitude	Longitude	pH	Redox potential $E_{N.H.E}$ (mV)	Water content (%)	IL (%)	TOC (mg/g-dry)	Soil particle density (g/cm^3)	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)	Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)
Abukuma River System	A-1	37.6210°	140.5218°	7.5	26	70.7	14.1	44.9	2.510	0.0	0.0	1.4	4.7	41.3	52.6	0.0043	0.85	160	1800	0.66
	A-2	37.5673°	140.3946°	7.2	319	18.6	1.6	1.9	2.711	45.8	33.3	16.6	2.0	2.3		1.9	9.5	9.5	140	-
	B-2	37.8121°	140.5058°	7.5	287	25.1	1.6	2.7	2.733	0.1	1.8	67.9	28.4	1.8		0.31	4.8	14	160	-
	B-3	37.8182°	140.4679°	7.6	320	17.7	0.9	1.2	2.677	36.1	39.1	22.9	1.3	0.6		1.5	9.5	4.3	51	-
Uda River	C-6	37.7764°	140.8877°	7.6	322	19.0	1.1	1.2	2.697	16.6	42.3	37.9	2.3	0.9		1.0	4.8	13	160	0.52
Mano River	D-4 a	37.7308°	140.9081°	7.6	286	18.0	1.8	2.4	2.711	23.8	35.1	35.5	4.1	1.5		1.1	9.5	27	330	0.84
Niida River	E-2 a	37.6640°	140.9447°	7.1	375	43.4	7.1	23.5	2.607	5.0	8.9	17.7	27.5	18.1	22.8	0.14	9.5	450	5000	0.93
Ota River	F-1	37.5975°	140.9252°	7.1	302	18.9	1.5	3.8	2.664	13.3	19.3	46.2	18.8	2.4		0.52	4.8	170	2100	0.63
Lake Hayama (Mano Dam)	G-1	37.7321°	140.8127°	7.2	274	43.3	8.8	30.1	2.613	12.9	6.9	21.7	24.5	19.6	14.4	0.18	19	200	2200	2.9
	G-4	37.7382°	140.8035°	7.5	298	20.0	1.7	2.3	2.695	31.2	44.7	22.1	1.0	1.0		1.4	19	25	280	-
Lake Akimoto	H-1	37.6575°	140.1264°	6.8	47	65.1	10.0	32.4	2.550	0.0	0.0	0.1	0.2	52.1	47.6	0.0055	2.0	140	1600	1.2
Lake Inawashiro	J-1	37.4203°	140.1008°	6.8	385	26.3	1.7	3.5	2.702	0.1	0.9	39.0	57.9	2.1		0.22	4.8	16	200	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	219	35.8	4.6	9.5	2.689	0.0	0.0	0.3	28.9	50.8	20.0	0.051	4.8	17	180	N.D.(0.12)
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	7.7	231	18.7	1.1	2.1	2.710	0.9	2.4	66.4	28.5	1.8		0.30	4.8	0.95	10	N.D.(0.13)
Off Iwaki City (Hisanohama)	M-2	37.1996°	141.0853°	7.8	214	21.6	1.8	2.8	2.776	0.0	0.0	1.3	94.3	1.0	3.4	0.15	0.85	2.2	25	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	2018/12/1	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	27	0.42	Immature fish,Mature fish	-	-	6.7	N.D.(1.3)	6.7	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Opsariichthys platypus*	Pale chub	4	0.013	Immature fish	-	-	3.9	N.D.(3.0)	3.9	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius auratus*	Carassius auratus langsdorfii	6	2.0	Mature fish	Obscure digesta	Viscera removed	4.0	N.D.(1.3)	4.0	0.36
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	149	2.3	Immature fish	-	-	3.0	N.D.(1.1)	3.0	0.27
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	4	3.7	Mature fish	Obscure digesta	Viscera removed	3.7	N.D.(1.1)	3.7	0.35
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu*	Small mouth bass	2	2.2	Mature fish	Fish	Viscera removed	9.7	N.D.(1.2)	9.7	0.25
				Vertebrata	Osteichthyes	Siluriformes	Ictaluridae	*Ictalurus punctatus*	Channel catfish	2	4.3	Mature fish	Fish,Red swamp crawfish	Viscera removed	108.0	8.0	100	0.24
	A-2	Harase River	2018/12/2	Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera strigata*	Mont mayfly	142	0.010	Larva	-	-	23	N.D.(4.2)	23	-
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	234	0.071	Larva	-	-	14.3	1.3	13	-
				Arthropoda	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena	89	0.034	Larva(Dragonfly larva)	-	-	17	N.D.(1.8)	17	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii									
				Arthropoda	Insecta	Odonata	Gomphidae	*Melligomphus viridicostus*	Melligomphus viridicostus									
				Arthropoda	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropoda	Insecta	Odonata	Gomphidae	*Davidius sp.*	Davidius									
				Arthropoda	Insecta	Odonata	Gomphidae	*Asiagomphus melaenops*	Asiagomphus melaenops									
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	30	0.014	Imago	-	Molluscous part	5.8	N.D.(3.5)	5.8	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	9	0.12	Immature fish	-	-	14.1	1.1	13	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Opsariichthys platypus*	Pale chub	15	0.040	Immature fish	-	-	6.8	N.D.(1.4)	6.8	-
	B-2	The main stream of the Abukuma River	2018/12/5	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	2	3.1	Mature fish	Obscure digesta	Viscera removed	4.8	N.D.(1.2)	4.8	0.27
	B-3	Surikami River	2018/12/1	Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera strigata*	Mont mayfly	654	0.046	Larva	-	-	12.3	1.3	11	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis	107	0.0053	Larva	-	-	N.D.	N.D.(5.4)	N.D.(4.8)	-
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	325	0.097	Larva	-	-	9.87	0.87	9.0	-
				Arthropoda	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	27	0.023	Larva	-	-	2.8	N.D.(1.9)	2.8	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	30	0.0075	Imago	-	Molluscous part	17	N.D.(4.2)	17	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	*Cottus pollux*	Japanese fluvial sculpin	11	0.042	Immature fish	-	-	2.2	N.D.(1.9)	2.2	-

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*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.

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*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	
Uda River	C-6	The main stream of the Uda River	2018/12/2	Arthropoda	Insecta	Ephemeroptera	Isonychiidae	*Isonychia valida*	Isonychia valida	324	0.011	Larva	-	-	13	N.D.(2.9)	13	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria uenoi*	Kamimuria uenoi Kohno	345	0.035	Larva	-	-	1.8	N.D.(1.4)	1.8	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Oyamia lugubris*	Oyamia lugubris									
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis									
				Arthropoda	Insecta	Plecoptera	Perlidae	*Paragnetina suzukii*	Paragnetina suzukii Okamoto									
				Arthropoda	Insecta	Plecoptera	Perlidae	*Neoperla sp.*	Neoperla									
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	192	0.038	Larva	-	-	23.6	1.6	22	-
				Arthropoda	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	44	0.033	Larva	-	-	6.0	N.D.(1.8)	6.0	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	*Cottus pollux*	Japanese fluvial sculpin	1	0.018	Immature fish	-	-	8.7	N.D.(2.7)	8.7	-
Mano River	D-4 b	The main stream of the Mano River	2018/12/4	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.011	-	-	-	110	N.D.(16)	110	-
				Arthropoda	Insecta	Ephemeroptera	Isonychiidae	*Isonychia valida*	Isonychia valida	136	0.0041	Larva	-	-	15	N.D.(6.8)	15	-
				Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera strigata*	Mont mayfly	321	0.017	Larva	-	-	61.8	4.8	57	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis	128	0.0091	Larva	-	-	N.D.	N.D.(3.5)	N.D.(3.4)	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Neoperla sp.*	Neoperla									
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	106	0.022	Larva	-	-	35	N.D.(2.8)	35	-
				Arthropoda	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae	242	0.028	Larva(Dragonfly larva)	-	-	12	N.D.(1.8)	12	-
				Arthropoda	Insecta	Odonata	Gomphidae	*Davidius sp.*	Davidius									
				Arthropoda	Insecta	Odonata	Aeshnidae	*Boyeria maclachlani*	Boyeria maclachlani									
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Lepomis macrochirus*	Bluegill	6	0.0045	Immature fish	-	-	16	N.D.(7.3)	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	
Niida River	E-2 b	The main stream of the Niida River	2018/12/2	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.011	-	-	-	540	40	500	-
				Arthropoda	Insecta	Ephemeroptera	Isonychiidae	*Isonychia valida*	Isonychia valida	835	0.033	Larva	-	-	88.7	7.7	81	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria uenoi*	Kamimuria uenoi Kohno	317	0.029	Larva	-	-	10	N.D.(5.6)	10	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Oyamia lugubris*	Oyamia lugubris									
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis									
				Arthropoda	Insecta	Plecoptera	Perlidae	*Neoperla sp.*	Neoperla									
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	373	0.075	Larva	-	-	152	12	140	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	30	0.013	Imago	-	Molluscous part	21	N.D.(3.4)	21	-
				Vertebrata	Amphibia	Anura	Glandirana	*Glandirana rugosa*	Wrinkled Frog	1	0.011	Imago	-	-	36.2	4.2	32	-
				Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.17	-	-	-	81.6	6.6	75	-
Ota River	F-1	The main stream of the Ota River	2018/12/5	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.010	-	-	-	1730	130	1600	-
				Arthropoda	Insecta	Ephemeroptera	Isonychiidae	*Isonychia valida*	Isonychia valida	482	0.017	Larva	-	-	461	41	420	-
				Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera strigata*	Mont mayfly	570	0.023	Larva	-	-	381	31	350	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Oyamia lugubris*	Oyamia lugubris	108	0.012	Larva	-	-	44	N.D.(9.1)	44	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis									
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	18	0.017	Imago	-	Molluscous part	252	22	230	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	*Cottus pollux*	Japanese fluvial sculpin	1	0.0087	Immature fish	-	-	492	52	440	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Oncorhynchus masou*	Yamame trout	1	0.015	Immature fish	-	-	276	26	250	-
				Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.17	-	-	-	184	14	170	-
	F-5	The main stream of the Ota River	2018/12/4	Arthropoda	Malacostraca	Decapoda	Cambaridae	*Procambarus clarkii*	Red swamp crawfish	2	0.043	Imago	-	-	95.3	8.3	87	-
				Vertebrata	Amphibia	Anura	Lithobates	*Lithobates catesbeianus*	American Bullfrog	10	0.087	Larva(Tadpole)	-	-	197	17	180	-

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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	2018/12/3	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.015	-	-	-	7.2	N.D.(1.7)	7.2	-
				Algae/plant	Monocotyledoneae	Alismatales	Hydrocharitaceae	*Elodea nuttallii*	Western Waterweed	-	0.20	-	-	-	59.5	4.5	55	-
	G-4	Inflowing rivers	2018/12/3	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0080	-	-	-	317	27	290	-
				Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera japonica*	Ephemera japonica	548	0.032	Larva	-	-	104.5	8.5	96	-
				Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera strigata*	Mont mayfly									
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria uenoi*	Kamimuria uenoi Kohno	276	0.023	Larva	-	-	8.1	N.D.(7.9)	8.1	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis									
				Arthropoda	Insecta	Plecoptera	Perlidae	*Paragnetina suzukii*	Paragnetina suzukii Okamoto									
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	142	0.021	Larva	-	-	47	N.D.(9.4)	47	-
				Arthropoda	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	11	0.0075	Larva	-	-	16	N.D.(15)	16	-
				Arthropoda	Insecta	Megaloptera	Corydalidae	*Parachauliodes japonicus*	Parachauliodes japonicus									
				Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.20	-	-	-	30.3	2.3	28	-
Lake Akimoto	H-1 H-2 H-3	In the lake	2018/12/1	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	13	1.9	Mature fish	Obscure digesta	Viscera removed	29.7	1.7	28	-
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus salmoides*	Largemouth bass	1	0.18	Immature fish	Empty stomach	Viscera removed	29	N.D.(2.0)	29	-
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	*Silurus asotus*	Amur catfish	2	1.2	Mature fish	Empty stomach	Viscera removed	28.1	3.1	25	-
	H-4	Within the lake and rivers in the vicinity	2018/12/1	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.010	-	-	-	N.D.	N.D.(3.5)	N.D.(3.3)	-
				Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera japonica*	Ephemera japonica	207	0.0096	Larva	-	-	20	N.D.(3.3)	20	-
				Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera strigata*	Mont mayfly									
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	30	0.025	Imago	-	Molluscous part	19	N.D.(1.8)	19	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	9	0.027	Immature fish,Mature fish	-	-	3.4	N.D.(1.5)	3.4	-
Lake Inawashiro	I-1 I-2 (north lakeside)	Within the lake and Nagase River	2018/12/1	Coarse Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.19	-	-	-	2.8	N.D.(0.76)	2.8	-
	J-1 (south lakeside)	Within the lake and around the Oninuma	2018/12/1	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.014	-	-	-	N.D.	N.D.(2.4)	N.D.(2.1)	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	30	0.023	Imago	-	Molluscous part	2.1	N.D.(2.6)	2.1	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Misgurnus anguillicaudatus*	Oriental weatherfish	12	0.026	Immature fish,Mature fish	-	-	N.D.	N.D.(2.1)	N.D.(2.0)	-

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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	2018/12/4	Vertebrata	Osteichthyes	Scorpaeniformes	Hexagrammidae	*Hexagrammos otakii*	Fat greenling	1	0.32	Mature fish	Empty stomach	Viscera removed	0.52	N.D.(0.44)	0.52	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae	*Microstomus achne*	Slime flounder	1	0.33	Mature fish	Empty stomach	Viscera removed	0.84	N.D.(0.44)	0.84	-
Off Soma City	L-1 L-2 L-3	Matsukawaura Lagoon	2018/12/2	Algae/plant	Chlorophyceae	Ulvales	Ulvaceae	*Ulva pertusa*	Ulva pertusa	-	0.31	-	-	-	1.0	N.D.(0.28)	1.0	-
				Arthropoda	Malacostraca	Decapoda	Crangonidae	*Crangon affinis*	Crangon affinis	61	0.037	Juvenile,Imago	-	-	N.D.	N.D.(1.2)	N.D.(1.1)	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Acanthogobius flavimanus*	Yellowfin Goby	19	0.26	Mature fish	-	-	1.3	N.D.(0.42)	1.3	-
Off Iwaki City	M-1 M-2 M-3	Offshore of Hisanohama	2018/12/4	Vertebrata	Osteichthyes	Pleuronectiformes	Paralichthyidae	*Pseudorhombus cinnamoneus*	Cinnamon flounder	6	0.32	Immature fish	Empty stomach	Viscera removed	0.50	N.D.(0.42)	0.50	-
				Vertebrata	Osteichthyes	Perciformes	Lateolabracidae	*Lateolabrax japonicus*	Japanese sea bass	1	1.3	Immature fish	Empty stomach	Viscera removed	1.3	N.D.(0.42)	1.3	-

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