○ Results (water)

Location		Latitude	Longitude	2015 December Survey											
				pH	BOD (mg/L)	COD (mg/L)	DO (mg/L)	Electrical conductivity (mS/m)	Salinity	TOC (mg/L)	SS (mg/L)	Turbidity	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Sr-90 (Bq/L)
Abukuma River System	A-1(Surface layer)	37.6210°	140.5218°	7.4	1.7	4.0	11.7	16.4	0.09	1.6	5	2.5	0.0031	0.014	0.0014
	A-1(Deep layer)	37.6210°	140.5218°	7.5	2.1	4.4	11.4	17.3	0.09	1.6	6	2.8	0.0041	0.019	-
	A-2	37.5673°	140.3946°	7.5	0.9	2.4	11.7	11.2	0.06	0.9	5	3.4	0.0072	0.032	-
	B-1	37.7843°	140.4924°	7.5	1.4	3.4	12.0	17.7	0.09	1.5	5	3.2	0.0080	0.034	-
	B-2	37.8121°	140.5058°	7.5	1.1	3.8	11.5	15.2	0.08	1.4	4	2.6	0.0066	0.026	-
	B-3	37.8182°	140.4679°	7.6	0.7	2.6	11.3	8.3	0.05	1.3	2	1.6	0.0059	0.024	-
Uda River	C-1	37.7953°	140.7459°	7.3	0.6	1.3	12.3	9.1	0.05	0.6	<1	0.4	0.0025	0.012	-
	C-2	37.7718°	140.7290°	7.2	<0.5	2.7	12.4	8.2	0.05	1.2	<1	0.8	0.0053	0.022	-
	C-3	37.7792°	140.8040°	7.5	0.6	1.8	12.0	8.5	0.05	0.8	2	1.3	0.0065	0.026	-
	C-4	37.7687°	140.8443°	7.5	<0.5	1.5	12.5	8.1	0.05	0.6	<1	0.2	0.0023	0.0094	0.0013
	C-5	37.7646°	140.8603°	7.6	<0.5	1.4	12.0	8.4	0.05	0.7	<1	0.3	0.0017	0.0082	-
	C-6	37.7764°	140.8877°	7.6	<0.5	1.7	12.2	9.3	0.05	0.8	<1	0.3	0.0016	0.0060	-
Mano River	D-1	37.7331°	140.9254°	7.4	<0.5	1.9	12.2	10.7	0.06	0.9	<1	0.5	0.0018	0.0093	0.0011
	D-2	37.7095°	140.9566°	7.2	0.6	2.2	11.0	12.0	0.06	1.1	<1	0.6	0.0028	0.0091	-
	D-3	37.7051°	140.9623°	7.1	<0.5	1.9	11.2	12.3	0.07	0.9	<1	0.7	0.0057	0.022	-
	D-4a	37.7308°	140.9081°	7.4	<0.5	1.9	10.8	10.0	0.05	1.0	<1	0.5	0.0045	0.018	-
	D-4b	37.7312°	140.9096°	7.5	<0.5	1.9	11.2	9.9	0.05	0.9	<1	0.6	0.0052	0.022	-
	D-5	37.7214°	140.8889°	7.5	<0.5	2.3	11.1	8.4	0.05	1.1	<1	0.5	0.0041	0.020	-
Niida River	E-1	37.6609°	140.9115°	7.3	<0.5	2.0	11.8	6.3	0.04	0.8	1	1.1	0.0075	0.031	0.0017
	E-2a	37.6640°	140.9447°	7.3	<0.5	2.1	11.9	6.8	0.04	0.9	1	1.1	0.0073	0.031	-
	E-2b	37.6635°	140.9452°	7.4	<0.5	2.1	11.9	6.8	0.04	0.9	2	1.1	0.0070	0.029	-
	E-3	37.6444°	141.0018°	7.3	0.7	1.9	10.9	8.9	0.05	0.8	1	1.1	0.0073	0.032	-
	E-4	37.6485°	140.9630°	7.4	<0.5	2.1	11.3	7.8	0.04	0.9	2	1.1	0.0082	0.032	-
	E-5	37.6652°	140.9169°	7.4	<0.5	2.2	11.9	6.6	0.04	0.8	3	2.2	0.0095	0.042	-
Ota River	F-1	37.5975°	140.9252°	7.4	<0.5	2.2	11.7	5.4	0.03	0.9	<1	0.7	0.047	0.20	-
	F-2	37.6016°	140.9423°	7.2	0.7	2.0	11.5	6.2	0.04	0.8	<1	0.4	0.034	0.14	0.0046
	F-3	37.6045°	140.9636°	7.3	<0.5	1.8	11.6	6.2	0.04	0.8	<1	0.4	0.028	0.12	-
	F-4	37.6070°	140.9720°	6.9	<0.5	1.4	10.3	6.9	0.04	0.6	2	0.4	0.021	0.093	-
	F-5	37.6022°	140.9868°	7.0	<0.5	1.8	10.8	7.7	0.04	0.8	2	0.8	0.021	0.088	-
	F-6	37.5953°	141.0123°	7.1	<0.5	2.5	11.1	10.6	0.06	1.1	2	1.4	0.021	0.084	-
Lake Hayama (Mano Dam)	G-1(Surface layer)	37.7321°	140.8127°	7.3	0.7	3.7	10.4	6.3	0.04	1.8	2	1.6	0.0097	0.041	-
	G-1(Deep layer)	37.7321°	140.8127°	7.3	0.8	3.7	10.7	6.4	0.04	1.8	3	1.8	0.018	0.070	0.0017
	G-3(Surface layer)	37.7302°	140.8307°	7.3	0.8	3.6	10.0	6.4	0.04	1.6	2	1.4	0.018	0.077	-
	G-3(Deep layer)	37.7302°	140.8307°	7.3	0.6	3.6	9.9	6.4	0.04	1.8	2	1.8	0.019	0.077	-
	G-5(Surface layer)	37.7341°	140.8088°	7.3	0.6	3.5	9.9	6.4	0.04	1.5	2	1.7	0.011	0.045	-
	G-5(Deep layer)	37.7341°	140.8088°	7.3	1.0	4.0	10.5	6.4	0.04	1.7	2	2.1	0.011	0.046	-
Lake Akimoto	H-1(Surface layer)	37.6575°	140.1264°	7.4	0.7	3.1	9.6	5.0	0.03	1.3	2	1.5	0.0037	0.014	-
	H-1(Deep layer)	37.6575°	140.1264°	7.2	0.6	3.3	9.8	5.0	0.03	1.3	2	1.5	0.0046	0.018	-
	H-3(Surface layer)	37.6653°	140.1329°	7.2	1.2	4.4	9.8	4.9	0.03	1.3	3	1.5	0.0064	0.022	-
	H-3(Deep layer)	37.6653°	140.1329°	7.1	1.2	4.0	10.3	5.0	0.03	1.4	3	1.6	0.0020	0.0092	0.0016
	H-5(Surface layer)	37.6523°	140.1568°	7.2	0.8	3.1	9.8	5.0	0.03	1.3	2	1.4	0.0023	0.010	-
	H-5(Deep layer)	37.6523°	140.1568°	7.1	1.9	3.4	10.0	5.0	0.03	1.7	2	1.6	0.0051	0.021	-

Location		Latitude	Longitude	2015 December Survey											
				pH	BOD (mg/L)	COD (mg/L)	DO (mg/L)	Electrical conductivity (mS/m)	Salinity	TOC (mg/L)	SS (mg/L)	Turbidity	Cs-134 (Bq/L)	Cs-137 (Bq/L)	Sr-90 (Bq/L)
Lake Inawashiro	I-1(Surface layer)	37.5047°	140.1143°	6.7	<0.5	1.3	10.2	11.2	0.06	0.5	<1	0.3	0.0031	0.012	-
	I-1(Deep layer)	37.5047°	140.1143°	6.7	0.6	1.3	10.4	11.3	0.06	0.6	<1	0.3	0.0021	0.011	0.00091
	I-3(Surface layer)	37.5077°	140.0263°	6.8	<0.5	1.3	10.5	11.2	0.06	0.9	<1	0.4	0.0019	0.011	-
	I-3(Deep layer)	37.5077°	140.0263°	6.8	0.6	1.5	10.6	11.2	0.06	0.6	3	0.6	0.0035	0.015	-
	J-1(Surface layer)	37.4203°	140.1008°	6.7	<0.5	1.3	10.7	11.2	0.06	0.6	<1	0.3	0.0032	0.012	-
	J-1(Deep layer)	37.4203°	140.1008°	6.8	0.6	1.5	10.2	11.2	0.06	0.7	<1	0.5	0.0027	0.011	-
Off the mouth of the Abukuma River (Sea Area in front of the mouth of the Abukuma River)	K-2(Surface layer)	38.0455°	140.9401°	8.1	0.7	2.2	10.1	4080	26.22	1.2	4	2.2	0.0020	0.0096	-
	K-2(Deep layer)	38.0455°	140.9401°	8.0	<0.5	1.7	8.3	5130	33.64	0.9	6	2.7	0.0023	0.012	0.0017
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	8.0	<0.5	2.1	9.1	4720	32.08	1.0	2	0.7	0.0022	0.012	-
	L-3	37.8217°	140.9765°	8.0	<0.5	2.2	9.2	4920	31.70	1.2	5	1.9	0.0029	0.014	-
Off Iwaki City (Hisanohama)	M-2(Surface layer)	37.1996°	141.0853°	8.0	<0.5	0.8	7.9	5190	34.01	0.7	<1	0.4	0.0015	0.0062	-
	M-2(Deep layer)	37.1996°	141.0853°	8.0	<0.5	0.8	7.7	5270	34.12	0.7	<1	0.3	N.D.(0.0011)	0.0063	0.0011

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

○ Results (sediments)

Location				2015 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°	6.8	71	38.9	3.2	9.7	2.721	0.8	1.0	20.8	51.0	15.0	11.4	0.16	4.8	390	1700	0.28
	A-2	37.5673°	140.3946°	6.7	418	23.1	2.0	3.8	2.734	20.1	50.1	26.1	1.7	1.0	1.0	1.2	9.5	34	200	-
	B-1	37.7843°	140.4924°	6.9	261	26.9	2.3	7.3	2.712	12.7	10.0	19.5	46.5	4.6	6.7	0.21	9.5	76	310	-
	B-2	37.8121°	140.5058°	6.9	348	23.5	1.6	1.9	2.735	0.1	0.8	58.0	37.2	2.1	1.8	0.28	4.8	38	160	-
	B-3	37.8182°	140.4679°	7.0	398	21.0	1.3	2.6	2.681	17.8	37.6	34.2	7.6	1.4	1.4	0.96	4.8	38	160	-
Uda River	C-1	37.7953°	140.7459°	6.9	301	31.3	3.8	3.8	2.692	26.7	37.5	21.1	8.2	2.8	3.7	1.2	4.8	94	410	-
	C-2	37.7718°	140.7290°	6.7	119	30.9	4.7	7.5	2.678	34.3	24.2	17.8	8.9	6.2	8.6	1.3	9.5	37	200	-
	C-4	37.7687°	140.8443°	7.2	271	16.9	1.0	0.9	2.668	27.9	27.3	38.3	6.0	0.3	0.2	1.0	9.5	58	260	0.44
	C-5	37.7646°	140.8603°	7.2	343	15.0	0.9	0.7	2.687	21.5	40.2	35.8	2.2	0.1	0.2	1.1	9.5	32	170	-
	C-6	37.7764°	140.8877°	7.1	413	23.0	1.4	1.4	2.690	22.6	21.7	49.0	5.5	0.7	0.5	0.75	9.5	52	260	-
Mano River	D-1	37.7331°	140.9254°	6.9	432	13.3	1.2	1.4	2.692	32.0	45.4	21.4	0.8	0.2	0.2	1.5	9.5	27	150	0.71
	D-2	37.7095°	140.9566°	7.0	442	15.6	1.3	2.9	2.681	33.4	39.4	23.8	2.5	0.5	0.4	1.4	9.5	27	150	-
	D-3	37.7051°	140.9623°	6.8	444	18.0	1.5	2.0	2.665	18.0	24.1	38.4	16.4	1.4	1.7	0.67	4.8	41	200	-
	D-4a	37.7308°	140.9081°	7.1	452	17.4	1.4	2.7	2.676	31.9	43.0	21.6	2.7	0.5	0.3	1.4	9.5	64	320	-
	D-5	37.7214°	140.8889°	7.2	455	22.0	1.3	1.9	2.655	9.0	24.8	50.3	12.6	1.9	1.4	0.58	4.8	91	360	-
Niida River	E-1	37.6609°	140.9115°	7.2	400	18.0	0.8	1.2	2.651	34.5	45.1	19.5	0.4	0.3	0.2	1.5	19	130	640	0.17
	E-2a	37.6640°	140.9447°	6.8	350	48.8	7.5	19.5	2.602	1.6	0.4	1.2	41.4	44.6	10.8	0.066	9.5	1400	6100	-
	E-3	37.6444°	141.0018°	6.9	407	19.4	0.9	1.7	2.665	9.4	19.6	60.3	9.5	0.7	0.5	0.60	4.8	90	400	-
	E-4	37.6485°	140.9630°	7.0	425	14.2	0.7	1.2	2.636	0.3	33.0	66.3	0.2	0.1	0.1	0.72	4.8	52	260	-
	E-5	37.6652°	140.9169°	7.0	426	15.5	0.8	1.2	2.648	2.4	35.1	60.3	1.6	0.4	0.2	0.73	4.8	140	630	-
Ota River	F-1	37.5975°	140.9252°	6.8	468	17.5	0.7	1.2	2.645	11.2	25.0	55.2	7.4	0.8	0.4	0.65	9.5	480	2100	-
	F-2	37.6016°	140.9423°	6.8	468	12.4	0.5	0.9	2.636	17.7	52.8	28.2	1.0	0.1	0.2	1.2	4.8	220	1000	0.39
	F-3	37.6045°	140.9636°	6.9	463	23.2	0.9	1.7	2.632	1.2	9.3	81.3	6.5	1.1	0.6	0.50	4.8	520	2400	-
	F-4	37.6070°	140.9720°	6.7	483	15.8	0.6	1.5	2.636	7.1	37.0	51.7	3.5	0.4	0.3	0.77	4.8	220	870	-
	F-5	37.6022°	140.9868°	6.6	486	18.5	0.7	1.6	2.642	25.8	24.7	43.9	4.6	0.6	0.4	0.87	19	140	670	-
Lake Hayama (Mano Dam)	G-1	37.7321°	140.8127°	6.5	182	54.2	10.8	32.0	2.482	0.2	0.7	1.3	40.2	37.5	20.1	0.063	9.5	1200	5300	4.3
	G-2	37.7267°	140.8223°	6.7	89	73.5	12.6	40.8	2.397	1.6	3.9	7.2	7.6	33.3	46.4	0.0066	4.8	3900	18000	-
	G-3	37.7302°	140.8307°	6.6	92	59.2	8.7	26.8	2.465	17.6	6.9	11.0	10.7	21.2	32.6	0.051	19	740	3200	-
	G-4	37.7382°	140.8035°	6.6	316	20.0	2.2	3.3	2.633	29.0	18.7	40.0	10.4	1.1	0.8	0.79	27	250	1100	-
	G-5	37.7341°	140.8088°	6.7	119	67.0	15.2	52.8	2.347	0.0	0.3	0.6	7.1	66.6	25.4	0.016	2.0	1800	7800	-
Lake Akimoto	H-1	37.6575°	140.1264°	6.6	43	64.4	7.6	23.8	2.544	0.0	0.0	0.1	0.4	65.0	34.5	0.0087	0.85	51	250	-
	H-2	37.6616°	140.1226°	6.7	38	74.9	12.5	37.0	2.424	0.7	0.2	0.4	0.4	60.0	38.3	0.0077	4.8	150	740	-
	H-3	37.6653°	140.1329°	6.4	59	72.5	20.7	54.9	2.353	0.0	0.4	0.3	17.5	59.4	22.4	0.021	2.0	260	1200	2.6
	H-4	37.6551°	140.1181°	6.8	31	73.3	10.5	44.0	2.435	12.2	2.7	3.5	6.4	40.1	35.1	0.012	19	400	1700	-
	H-5	37.6523°	140.1568°	6.3	47	67.9	10.3	29.3	2.512	0.0	-	0.5	33.1	41.6	24.8	0.041	0.85	330	1600	-
Lake Inawashiro	I-1	37.5047°	140.1143°	6.8	21	73.2	5.9	15.4	2.540	1.2	1.9	8.7	54.5	19.5	14.2	0.12	9.5	140	620	0.16
	I-2	37.4995°	140.1409°	6.7	11	66.0	6.9	19.8	2.553	0.0	1.2	2.6	38.9	36.9	20.4	0.064	2.0	110	520	-
	I-3	37.5077°	140.0263°	6.7	68	68.1	7.6	13.2	2.548	0.0	0.2	5.1	34.1	37.4	23.2	0.056	2.0	26	120	-
	I-4	37.5160°	140.1092°	6.2	300	19.9	1.2	1.9	2.699	29.4	17.0	45.6	7.7	0.2	0.1	0.77	19	6.2	50	-
	J-1	37.4203°	140.1008°	6.6	158	32.2	1.3	3.4	2.649	1.6	6.8	65.6	24.9	0.7	0.4	0.29	4.8	25	120	-
Off the mouth of the Abukuma River (Sea Area in front of the mouth of the Abukuma River)	K-1	38.0457°	140.9282°	7.9	257	25.9	1.8	2.8	2.691	0.0	1.0	52.5	44.2	1.1	1.2	0.26	2.0	16	64	-
	K-2	38.0455°	140.9401°	7.5	209	34.7	3.2	3.9	2.719	0.0	0.1	1.3	61.8	24.0	12.8	0.097	2.0	35	130	N.D.(0.15)
	K-3	38.0458°	140.9518°	7.5	67	51.8	6.3	14.4	2.680	0.0	0.1	0.2	21.1	54.9	23.7	0.035	2.0	70	360	-
Off Soma City (Matsukawaura)	L-1	37.8210°	140.9610°	7.5	47	33.5	2.9	5.8	2.650	6.6	11.3	37.5	21.3	12.9	10.4	0.30	19	32	150	-
	L-2	37.8155°	140.9763°	7.6	64	21.5	1.4	2.5	2.675	0.4	3.0	69.4	25.4	1.0	0.8	0.31	4.8	21	96	N.D.(0.15)
	L-3	37.8217°	140.9765°	7.5	37	27.1	1.5	3.9	2.676	0.3	0.5	43.2	48.0	4.0	4.0	0.23	19	13	61	-
Off Iwaki City (Hisanohama)	M-1	37.1736°	141.0788°	7.6	134	27.1	1.9	1.9	2.737	0.0	0.4	2.1	91.2	3.2	3.1	0.15	2.0	16	71	-
	M-2	37.1996°	141.0853°	7.6	231	26.4	1.4	1.8	2.765	0.0	0.4	2.2	90.4	3.7	3.3	0.15	2.0	20	74	N.D.(0.16)
	M-3	37.2324°	141.0935°	7.7	241	24.9	1.5	2.4	2.772	0.0	0.7	2.3	91.8	2.3	2.9	0.15	2.0	17	71	-

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

Location		Sampling point	Sampling Date	Division	Class	Order	Family	Species 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-2	Harase River	2015/12/2	Phycophyta	-	-	-	-	Riverbed Deposits (include algae)	-	0.053	-	-	-	142	32	110	-
				Arthropod	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	247	0.077	Larva	-	-	29.9	5.9	24	-
				Arthropod	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii	51	0.063	Larva (dragonfly larva)	-	-	27.2	6.2	21	-
				Arthropod	Insecta	Odonata	Aeshnidae	*Anax parthenope julius*	Anax parthenope									
				Arthropod	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropod	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena									
				Arthropod	Insecta	Odonata	Gomphidae	-	Davidius									
				Arthropod	Insecta	Odonata	Gomphidae	*Asiagomphus melaenops*	Asiagomphus melaenops									
				Arthropod	Malacostraca	Decapoda	Atyidae	-	Neocaridina sp.	481	0.063	Imago	-	-	19.1	4.1	15	-
				Mollusca	Gastropoda	Sorbeoconcha	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	40	0.029	Imago	-	Molluscan body	7.4	N.D.(2.0)	7.4	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	30	0.11	Immature fish (1-year-old)	Goera japonica Banks, Algae, Aquatic insects	Viscera removed	9.7	1.5	8.2	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Opsariichthys platypus*	Zacco platypus	3	0.029	Mature fish (2-year-old)	Algae	Viscera removed	16.6	3.6	13	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Candidia temminckii*	Dark chub	15	0.20	Immature fish (0-year-old)/Mature fish (2-year-old)	Carassius	Viscera removed	16.1	3.1	13	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Misgurnus anguillicaudatus*	Oriental weatherfish	19	0.060	Immature fish/Mature fish	-	-	11.7	2.5	9.2	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Nemacheilus toni*	Stone loach	13	0.11	Immature fish/Mature fish	Trichoptera, Ephemerellidae	Viscera removed	9.7	1.7	8.0	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Oncorhynchus masou masou*	Yamame trout	2	0.021	Immature fish (1-year-old)	Trichoptera, Grasshopper, Thiaridal snail, Ephemeridae,	Viscera removed	12.5	2.6	9.9	-
				Vertebrata	Amphibia	Anura	-	-	Tadpole	14	0.011	Larva (tadpoles)	-	-	19	N.D.(5.3)	19	-
				Vertebrata	Amphibia	Anura	Ranidae	*Glandirana rugosa*	Wrinkled Frog	4	0.020	Imago	-	-	12.9	2.9	10	-
				Vertebrata	Amphibia	Caudata	Salamandridae	*Cynops pyrrhogaster*	Cynops pyrrhogaster	4	0.025	Imago	-	-	8.9	N.D.(2.8)	8.9	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.18	-	-	-	23.6	4.6	19	-
	B-2	Abukuma River	2015/12/11	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius cuvieri*	Japanese crucian carp	3	3.1	Mature fish (7-year-old)	Carassius	Viscera removed	55	12	43	0.42
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Cyprinus carpio*	Common carp	1	4.8	Mature fish (8-year-old)	Empty stomach	Viscera removed	11.8	2.3	9.5	0.30
	B-3	Surikami River	2015/12/8	Phycophyta	-	-	-	-	Riverbed Deposits (include algae)	-	0.016	-	-	-	40.7	8.7	32	-
				Arthropoda	Insecta	Ephemeroptera	Ephemeridae	*Ephemera strigata*	Monkagerou	298	0.035	Larva	-	-	56	10	46	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis	170	0.014	Larva	-	-	3.8	N.D.(4.3)	3.8	-
				Arthropod	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	635	0.16	Larva	-	-	46.4	8.4	38	-
				Arthropod	Insecta	Odonata	Gomphidae	*Melligomphus viridicostus*	Onychogomphus viridicostus	108	0.035	Larva (dragonfly larva)	-	-	4.3	N.D.(2.0)	4.3	-
				Arthropod	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropod	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena									
				Arthropod	Insecta	Odonata	Gomphidae	-	Davidius									
				Arthropod	Insecta	Odonata	Calopterygidae	*Mnais costalis*	Mnais costalis									
				Arthropod	Insecta	Odonata	Calopterygidae	*Calopteryx cornelia*	Calopteryx cornelia									
				Arthropod	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	50	0.047	Larva	-	-	2.2	N.D.(1.4)	2.2	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	*Cottus pollux*	Japanese fluvial sculpin	12	0.17	Immature fish/Mature fish	Stenopsyche marmorata	Viscera removed	6.5	1.2	5.3	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	14	0.079	Mature fish (2-year-old)	Carassius	Viscera removed	10.1	1.9	8.2	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Candidia temminckii*	Dark chub	18	0.11	Immature fish/Mature fish (1-year-old)	Empty stomach	Viscera removed	10.6	2.1	8.5	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Nemacheilus toni*	Stone loach	4	0.031	Immature fish/Mature fish	-	-	5.5	N.D.(2.2)	5.5	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Oncorhynchus masou masou*	Yamame trout	2	0.045	Immature fish (1-year-old)	Stenopsyche marmorata	Viscera removed	3.8	N.D.(1.5)	3.8	-
				Particulate Organic Matter	–	–	–	–	Bottom fallen leaves	-	0.15	-	-	-	23.0	5.0	18	-

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												Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	
Uda River	C-6	-	2015/12/3	Phycophyta	-	-	-	-	Riverbed Deposits (include algae)	-	0.003	-	-	-	27.0	5.0	22	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis	53	0.0038	Larva	-	-	N.D.	N.D.(9.1)	N.D.(8.6)	-
				Arthropod	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	29	0.0051	Larva	-	-	44.0	9.0	35	-
				Arthropod	Insecta	Odonata	Gomphidae	*Melligomphus viridicostus*	Onychogomphus viridicostus	23	0.0086	Larva (dragonfly larva)	-	-	13	N.D.(6.0)	13	-
				Arthropod	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii									
				Arthropod	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropod	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena									
				Arthropod	Insecta	Odonata	Gomphidae	-	Davidius									
				Arthropod	Insecta	Odonata	Gomphidae	*Sinogomphus flavolimbatus*	Sinogomphus flavolimbatus									
				Arthropod	Insecta	Odonata	Aeshnidae	*Planaeschna milnei*	Planaeschna milnei									
				Arthropod	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	17	0.011	Larva	-	-	N.D.	N.D.(5.7)	N.D.(4.9)	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	93	0.020	Imago	-	-	16.5	3.5	13	-
				Arthropod	Malacostraca	Decapoda	Grapsidae	*Eriocheir japonica*	Japanese mitten crab	14	0.054	Imago	-	-	18.7	4.7	14	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Opsariichthys platypus*	Zacco platypus	11	0.053	Immature fish/Mature fish (1-year-old)	Carassius	Viscera removed	15.9	2.9	13	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Candidia temminckii*	Dark chub	248	0.11	Immature fish (0-year-old)	-	-	8.3	1.4	6.9	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius nagoyae*	R. sp. CB	15	0.035	Mature fish	Carassius	Viscera removed	23.7	4.7	19	-
				Vertebrata	Amphibia	Anura	Ranidae	*Rana ornativentris*	Montane brown frog	1	0.024	Imago	-	-	265	45	220	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.23	-	-	-	42.7	9.7	33	-
Mano River	D-4b	-	2015/12/4	Phycophyta	-	-	-	-	Riverbed Deposits (include algae)	-	0.035	-	-	-	237	47	190	-
				Arthropod	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	101	0.022	Larva	-	-	92	18	74	-
				Arthropod	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	30	0.010	Larva	-	-	25.8	5.8	20	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	193	0.036	Imago	-	-	34.0	6.0	28	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	30	0.31	Mature fish (2-year-old)	-	-	43.7	8.7	35	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace (muscular part)	30	0.31	Mature fish (2-year-old)	-	-	49.6	8.6	41	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace (inner parts)	30	0.31	Mature fish (2-year-old)	-	-	39.5	8.5	31	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace (bone part)	30	0.31	Mature fish (2-year-old)	-	-	50.4	8.4	42	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Gnathopogon elongatus elongatus*	Tamoroko	11	0.049	Mature fish	-	-	21.7	3.7	18	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius nagoyae*	R. sp. CB	13	0.032	Immature fish/Mature fish	-	-	40.7	7.7	33	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.26	-	-	-	112	21	91	-
Nitda River	E-2b	-	2015/12/3	Phycophyta	-	-	-	-	Riverbed Deposits (include algae)	-	0.022	-	-	-	50.4	8.4	42	-
				Arthropod	Insecta	Ephemeroptera	Isonychiidae	*Isonychia japonica*	Tirakagerou	159	0.0091	Larva	-	-	148	28	120	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis	282	0.026	Larva	-	-	16.7	3.7	13	-
				Arthropod	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	121	0.031	Larva	-	-	303	53	250	-
				Arthropod	Insecta	Odonata	Gomphidae	*Melligomphus viridicostus*	Onychogomphus viridicostus	28	0.0081	Larva (dragonfly larva)	-	-	176	36	140	-
				Arthropod	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropod	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena									
				Arthropod	Insecta	Odonata	Gomphidae	-	Davidius									
				Arthropod	Insecta	Odonata	Gomphidae	*Asiagomphus melaenops*	Asiagomphus melaenops									
				Arthropod	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	19	0.013	Larva	-	-	40.6	7.6	33	-
				Arthropod	Malacostraca	Decapoda	Grapsidae	*Eriocheir japonica*	Japanese mitten crab	20	0.21	Imago	-	-	103	20	83	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	26	0.097	Immature fish (0-year-old)/Mature fish (1-year-old)	Aquatic insects	Viscera removed	83	17	66	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Opsariichthys platypus*	Zacco platypus	11	0.055	Immature fish/Mature fish (1-year-old)	Carassius	Viscera removed	78	16	62	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius fluviatilis*	R. fluviatilis	5	0.015	Immature fish/Mature fish	Simulium japonicum	Viscera removed	149	29	120	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius nagoyae*	R. sp. CB									
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.16	-	-	-	185	35	150	-

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												Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	
Ota River	F-1	-	2015/12/5	Phycophyta	-	-	-	-	Riverbed Deposits (include algae)	-	0.023	-	-	-	377	77	300	-
				Arthropod	Insecta	Odonata	Gomphidae	*Stylogomphus suzukii*	Stylogomphus suzukii	31	0.013	Larva (dragonfly larva)	-	-	285	55	230	-
				Arthropod	Insecta	Odonata	Gomphidae	*Melligomphus viridicostus*	Onychogomphus viridicostus									
				Arthropod	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii									
				Arthropod	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropod	Insecta	Odonata	Aeshnidae	*Boyeria maclachlani*	Boyeria maclachlani									
				Arthropod	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena									
				Arthropod	Insecta	Odonata	Gomphidae	-	Davidius									
				Arthropod	Insecta	Odonata	Calopterygidae	*Mnais costalis*	Mnais costalis									
				Arthropod	Insecta	Odonata	Gomphidae	*Asiagomphus melaenops*	Asiagomphus melaenops									
				Arthropod	Malacostraca	Decapoda	Palaemonidae	*Palaemon paucidens*	Common prawn	14	0.021	Imago	-	-	600	120	480	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	30	0.0073	Imago	-	-	770	160	610	-
			2015/12/9	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	67	0.091	Immature fish/Mature fish (1-year-old)	-	-	288	58	230	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace (muscular part)	67	0.091	Immature fish/Mature fish (1-year-old)	-	-	481	91	390	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace (inner parts)	67	0.091	Immature fish/Mature fish (1-year-old)	-	-	550	120	430	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace (bone part)	67	0.091	Immature fish/Mature fish (1-year-old)	-	-	540	110	430	-
			2015/12/5	Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius fluviatilis*	R. fluviatilis	5	0.036	Mature fish	Baetidae	Viscera removed	1220	220	1000	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.17	-	-	-	610	120	490	-
Lake Hayama	G-1 G-2 G-3	In the lake	2015/12/7	Phycophyta	-	-	-	-	Plankton (Planktonic algae)	-	0.016	-	-	-	14.3	2.3	12	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	1	0.60	Mature fish (6-year-old)	Algae	Viscera removed	183	33	150	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius sp.*	Carassius auratus langsdorfii	1	1.5	Mature fish (12-year-old)	Empty stomach	Viscera removed	234	44	190	0.85
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus salmoides*	Largemouth bass	1	1.2	Mature fish (5-year-old)	Empty stomach	Viscera removed	433	83	350	2.2
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu dolomieu*	Small mouth bass	1	0.90	Mature fish (4-year-old)	Empty stomach	Viscera removed	418	78	340	-
	G-4	Inflowing rivers	2015/12/8	Phycophyta	-	-	-	-	Riverbed Deposits (include algae)	-	0.016	-	-	-	462	92	370	-
				Arthropoda	Insecta	Plecoptera	Perlidae	*Kamimuria tibialis*	Kamimura tibialis	141	0.0092	Larva	-	-	9.5	N.D.(4.7)	9.5	-
				Arthropod	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	40	0.025	Larva	-	-	32.6	6.6	26	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius flumineus*	Rhinogobius flumineus	30	0.022	Immature fish/Mature fish	-	-	67	12	55	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.22	-	-	-	42.8	6.8	36	-

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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	2015/12/1	Arthropod	Malacostraca	Decapoda	Astacidae	*Pacifastacus leniusculus*	Signal crayfish	32	1.8	Imago	-	-	37.6	6.6	31	8.4
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius sp.*	Carassius auratus langsdorfii	8	2.2	Mature fish (4,7-year-old)	Carassius	Viscera removed	83	16	67	1.0
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Cyprinus carpio*	Common carp	1	2.6	Mature fish (5-year-old)	Empty stomach	Viscera removed	24.3	4.3	20	0.77
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	4	3.2	Mature fish (4,6-year-old)	Carassius	Viscera removed	67	12	55	1.1
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Salvelinus leucomaenis*	Char	6	2.3	Mature fish (2,4-year-old)	Carassius	Viscera removed	42.8	7.8	35	0.38
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Oncorhynchus masou masou*	Seema	1	1.1	Mature fish (4-year-old)	Fish	Viscera removed	60	12	48	0.24
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Oncorhynchus masou masou*	Yamame trout	3	0.33	Immature fish (1-year-old)/Mature fish (3-year-old)	Pond Smelt, Aquatic insects	Viscera removed	27.9	4.9	23	-
				Vertebrata	Osteichthyes	Osmeriformes	Osmeridae	*Hypomesus nipponensis*	Japanese smelt	58	0.30	Immature fish (0-year-old)/Mature fish (1-year-old)	Plankton	Viscera removed	11.7	2.2	9.5	-
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu dolomieu*	Small mouth bass	7	5.6	Mature fish (3-year-old)	Fish	Viscera removed	75	13	62	1.0
	H-3	Inflowing rivers		Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.12	-	-	-	33.4	6.4	27	-
	H-4	Within the lake and rivers in the vicinity		Phycophyta	-	-	-	-	Plankton (Planktonic algae)	-	0.030	-	-	-	43.3	8.3	35	-
				Angiospermae	Monocotyledoneae	-	Hydrocharitaceae	*Elodea nuttallii*	Western Waterweed	-	0.31	-	-	-	47.6	8.6	39	-
				Arthropod	Insecta	Trichoptera	Stenopsychidae	-	Semblis Fabricius	14	0.0049	Larva	-	-	N.D.	N.D.(8.5)	N.D.(7.5)	-
				Arthropod	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii	17	0.025	Larva (dragonfly larva)	-	-	26.6	5.6	21	-
				Mud-snail	Gastropoda	Sorbeoconcha	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	36	0.0075	Imago	-	Molluscan body	7.4	N.D.(5.5)	7.4	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	8	0.014	Immature fish (0,1-year-old)	-	-	9.5	N.D.(3.4)	9.5	-
				Vertebrata	Amphibia	Anura	Ranidae	*Rana ornativentris*	Montane brown frog	6	0.14	Imago	-	-	51.7	9.7	42	-
Lake Inawashiro	I-1,I-2 (north	---	2015/12/2	Particulate Organic Matter	-	-	-	*0*	Bottom fallen leaves	-	0.14	-	-	-	1.6	N.D.(0.54)	1.6	-
	J-1 (south lakeside)	-		Phycophyta	-	-	-	-	Plankton (Planktonic algae)	-	0.028	-	-	-	N.D.	N.D.(1.7)	N.D.(1.6)	-
				Angiospermae	Dicotyledoneae	-	Nymphaeaceae	*Nuphar japonicum*	Cow lily	-	0.26	-	-	-	2.14	0.54	1.6	-
				Mud-snail	Gastropoda	Architaenioglossa	Viviparidae	*Cipangopaludina chinensis laeta*	Mud-snail	30	0.12	Imago	-	Molluscan body	N.D.	N.D.(1.5)	N.D.(1.5)	-
				Mud-snail	Gastropoda	Sorbeoconcha	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	46	0.017	Imago	-	Molluscan body	N.D.	N.D.(4.6)	N.D.(4.0)	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	9	0.019	Immature fish (0-year-old)	-	-	5.6	N.D.(4.4)	5.6	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Opsariichthys platypus*	Zacco platypus	17	0.038	Immature fish/Mature fish (1-year-old)	-	-	6.1	N.D.(1.6)	6.1	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Misgurnus anguillicaudatus*	Oriental weatherfish	44	0.042	Immature fish	-	-	N.D.	N.D.(2.1)	N.D.(1.5)	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Pseudorasbora parva*	Stone moroko	24	0.047	Immature fish (0-year-old)/Mature fish (1-year-old)	-	-	9.8	1.8	8.0	-
				Vertebrata	Amphibia	Anura	Ranidae	*Glandirana ruqosa*	Wrinkled Frog	6	0.049	Imago	-	-	N.D.	N.D.(2.2)	N.D.(2.1)	-

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Location		Sampling point	Sampling Date	Division	Class	Order	Family	Species 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	-	2015/12/9	Arthropod	Malacostraca	Decapoda	Portunidae	*Portunus trituberculatus*	Japanese blue crab	5	1.8	Imago	-	-	N.D.	N.D.(0.28)	N.D.(0.49)	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Paralichthyidae	*Paralichthys olivaceus*	Bastard halibut	10	2.5	Mature fish (1-year-old)	Empty stomach	Viscera removed	0.56	N.D.(0.28)	0.56	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectiformes	*Pleuronectes herzensteini*	Yellow striped flounder	5	2.7	Mature fish (5-year-old)	Ragworm	Viscera removed	N.D.	N.D.(0.45)	N.D.(0.44)	-
				Vertebrata	Osteichthyes	Perciformes	Triglidae	*Lepidotrigla microptera*	Searobin	15	2.1	Mature fish (3-year-old)	Shrimp	Viscera removed	0.41	N.D.(0.37)	0.41	-
				Vertebrata	Osteichthyes	Perciformes	Lateolabracidae	*Lateolabrax japonicus*	Japanese sea bass	7	3.0	Mature fish (3-year-old)	Shrimp, Fish	Viscera removed	0.78	N.D.(0.36)	0.78	-
Off Soma City	L-1 L-2 L-3	Matsukawaura	2015/12/10	Phycophyta	-	-	-	-	Plankton (Planktonic algae)	-	0.017	-	-	-	19.3	3.3	16	-
				Angiospermae	Monocotyledoneae	-	Zosteraceae	*Zostera marina*	eel grass	-	1.5	-	-	-	3.41	0.51	2.9	-
				Arthropod	Malacostraca	Decapoda	Varunidae	-	Hemigrapsus	95	0.21	Imago	-	-	4.12	0.72	3.4	-
				Mollusca	Bivalvia	Ostreoida	Ostreidae	*Crassostrea gigas*	Oyster	30	0.45	Imago	-	Molluscan body	1.90	0.30	1.6	-
				Mollusca	Bivalvia	Veneroida	Veneridae	*Ruditapes philippinarum*	Japanese littleneck	197	0.61	Imago	-	Molluscan body	3.41	0.61	2.8	-
Off Iwaki City	M-1 M-2 M-3	Offshore of Hisanohama	2015/12/6	Mollusca	Cephalopoda	Decapodiformes	Sepiidae	*Sepia andreana*	Ezohariika	7	0.24	Imago	-	-	N.D.	N.D.(0.29)	N.D.(0.33)	-
				Mollusca	Cephalopoda	Octopoda	Octopodidae	*Octopus vulgaris*	Common octopus	2	5.0	Imago	-	-	0.28	N.D.(0.31)	0.28	-
				Echinodermata	Asteroidea	Forcipulatida	Asteriidae	*Asterias amurensis*	Northern Pacific seastar	4	0.95	Imago	-	-	0.55	N.D.(0.37)	0.55	-
				Echinodermata	Holothuroidea	Aspidochirotida	Stichopodidae	*Apostichopus japonicus*	Japanese common seacucumber	2	0.15	Imago	-	-	8.5	1.4	7.1	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Triglidae	*Chelidonichthys spinosus*	Gurnard	3	0.48	Mature fish (2-year-old)	Shrimp	Viscera removed	1.1	N.D.(0.55)	1.1	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectiformes	*Pleuronichthys japonicus*	Finespotted flounder	4	0.70	Mature fish (5-year-old)	Ragworm	Viscera removed	1.5	N.D.(0.39)	1.5	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Paralichthyidae	*Paralichthys olivaceus*	Bastard halibut	4	5.7	Mature fish (4-year-old)	Carassius	Viscera removed	2.09	0.49	1.6	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectiformes	*Pleuronectes herzensteini*	Yellow striped flounder	13	5.2	Mature fish (5-year-old)	Ragworm, Gammarus, Asteroidea	Viscera removed	3.39	0.89	2.5	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectiformes	*Pleuronectes yokohamae*	Marbled sole	3	1.1	Mature fish (3-year-old)	Empty stomach	Viscera removed	1.43	0.43	1.0	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectiformes	*Eopsetta grigorjewi*	Shotted halibut	9	2.8	Mature fish (5-year-old)	Crabs	Viscera removed	2.35	0.45	1.9	-
				Vertebrata	Osteichthyes	Perciformes	Triglidae	*Lepidotrigla microptera*	Searobin	5	1.2	Mature fish (3-year-old)	Gammarus	Viscera removed	3.55	0.85	2.7	-
				Vertebrata	Osteichthyes	Perciformes	Lateolabracidae	*Lateolabrax japonicus*	Japanese sea bass	4	3.3	Mature fish (3-year-old)	Fish	Viscera removed	2.57	0.47	2.1	-
				Vertebrata	Osteichthyes	Tetraodontiformes	Tetraodontidae	*Takifugu poecilonotus*	Pufferfish	5	1.2	Mature fish	Shellfish	Viscera removed	2.68	0.58	2.1	-
				Vertebrata	Chondrichthyes	Rajiformes	Rajidae	*Okamejei kenojei*	Skate	5	3.7	Mature fish	Shrimp, Shellfish, Crabs	Viscera removed	16.1	3.1	13	-
				Vertebrata	Chondrichthyes	Carcharhiiformes	Triakidae	*Mustelus manazo*	Starspotted smooth-hound	1	1.3	Mature fish	Crabs	Viscera removed	3.33	0.53	2.8	-
	M-4	Hisanohama Coastal areas	2015/12/3	Brown algae	Phaeophyceae	Laminariales	Lessoniaceae	*Eisenia bicyclis*	Eisenia	-	0.32	-	-	-	3.44	0.74	2.7	-
				Mollusca	Gastropoda	Archaeogastropoda	Haliotis asinina	-	abalone	4	0.54	Imago	-	Molluscan body	1.0	N.D.(0.52)	1.0	-
				Echinoderm	Echinoidea	Echinoida	Strongylocentrotidae	*Strongylocentrotus nudus*	Northern sea urchin	6	0.63	Imago	-	-	1.3	N.D.(0.30)	1.3	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Hexagrammidae	*Hexagrammos otakii*	Fat greenling	2	0.12	Mature fish (1-year-old)	Shrimp	Viscera removed	3.49	0.59	2.9	-

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