○ Results (water)

Locations				2016 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°	7.3	1.1	4.4	8.3	15.6	0.08	1.6	13	4.9	0.0082	0.041	0.0013
	A-1(Bottom layer)	37.6210°	140.5218°	7.4	1.3	5.1	8.4	15.7	0.08	1.8	15	6.3	0.019	0.10	-
	A-2	37.5673°	140.3946°	7.5	0.9	4.6	9.2	8.8	0.05	2.0	4	3.2	0.0076	0.037	-
	B-1	37.7843°	140.4924°	7.6	1.0	4.7	8.6	15.4	0.08	1.6	14	6.4	0.0077	0.037	-
	B-2	37.8121°	140.5058°	7.6	1.0	4.1	8.8	15.0	0.08	1.6	14	6.2	0.0048	0.019	-
	B-3	37.8182°	140.4679°	7.6	0.5	3.7	9.4	8.6	0.05	1.6	6	6.8	0.0034	0.018	-
Uda River	C-1	37.7953°	140.7459°	7.4	0.6	2.3	9.4	8.5	0.05	0.9	1	1.3	0.0062	0.033	-
	C-2	37.7718°	140.7290°	7.2	0.8	5.8	8.0	8.2	0.05	2.4	8	4.9	0.022	0.12	-
	C-3	37.7792°	140.8040°	7.4	0.7	4.1	9.1	7.2	0.04	1.4	4	4.0	0.016	0.089	-
	C-4	37.7687°	140.8443°	7.6	0.7	3.9	9.3	7.0	0.04	1.4	7	4.5	0.0064	0.033	0.00083
	C-5	37.7646°	140.8603°	7.6	0.7	3.9	9.1	7.1	0.04	1.3	14	6.0	0.0066	0.036	-
	C-6	37.7764°	140.8877°	7.7	0.6	3.7	9.0	7.9	0.04	1.4	5	3.7	0.0042	0.021	-
Mano River	D-1	37.7331°	140.9254°	7.4	0.7	3.5	9.4	7.7	0.04	1.6	3	3.6	0.012	0.066	0.0014
	D-2	37.7095°	140.9566°	7.3	0.8	3.5	8.6	8.9	0.05	1.4	4	3.6	0.013	0.067	-
	D-3	37.7051°	140.9623°	7.2	0.8	3.2	8.3	9.8	0.05	1.3	3	2.9	0.0071	0.036	-
	D-4 a	37.7308°	140.9081°	7.4	0.8	3.6	9.0	7.5	0.04	1.5	3	3.7	0.0082	0.041	-
	D-4 b	37.7312°	140.9096°	7.4	1.3	3.6	8.8	7.5	0.04	1.5	4	3.8	0.014	0.069	-
	D-5	37.7214°	140.8889°	7.5	0.9	3.5	9.4	7.0	0.04	1.6	3	4.0	0.015	0.081	-
Niida River	E-1	37.6609°	140.9115°	7.3	0.9	3.0	9.8	11.0	0.06	1.2	6	3.4	0.012	0.066	0.0022
	E-2 a	37.6640°	140.9447°	7.4	0.7	4.7	9.6	6.9	0.04	1.3	27	17.1	0.093	0.50	-
	E-2 b	37.6635°	140.9452°	7.3	0.7	5.7	9.2	6.7	0.04	1.3	38	19.8	0.11	0.59	-
	E-3	37.6444°	141.0018°	7.3	0.8	3.5	8.8	8.0	0.04	1.2	14	8.6	0.031	0.17	-
	E-4	37.6485°	140.9630°	7.4	0.9	3.7	8.6	8.0	0.04	1.2	15	7.8	0.031	0.16	-
	E-5	37.6652°	140.9169°	7.3	0.7	2.8	9.1	6.7	0.04	1.0	7	3.4	0.014	0.070	-
Ota River	F-1	37.5975°	140.9252°	7.1	0.6	4.3	9.6	5.1	0.03	1.8	5	4.6	0.14	0.72	-
	F-2	37.6016°	140.9423°	6.9	0.6	3.8	9.3	6.1	0.04	1.6	3	2.8	0.080	0.41	0.0038
	F-3	37.6045°	140.9636°	7.0	0.5	3.7	8.0	6.6	0.04	1.4	3	1.8	0.059	0.30	-
	F-4	37.6070°	140.9720°	6.9	<0.5	3.0	8.2	7.2	0.04	1.2	3	1.8	0.041	0.21	-
	F-5	37.6022°	140.9868°	6.9	<0.5	3.7	8.5	7.6	0.04	1.4	6	2.5	0.032	0.17	-
	F-6	37.5953°	141.0123°	6.9	0.7	6.1	7.6	18.2	0.10	2.7	20	11.6	0.034	0.17	-
Lake Hayama (Mano Dam)	G-1(Surface layer)	37.7321°	140.8127°	7.4	1.1	4.3	9.0	6.8	0.04	2.1	3	2.8	0.0076	0.040	-
	G-1(Bottom layer)	37.7321°	140.8127°	7.4	<0.5	3.9	8.8	7.2	0.04	1.8	2	2.2	0.0086	0.041	0.00087
	G-3(Surface layer)	37.7302°	140.8307°	7.5	0.6	4.3	8.7	6.7	0.04	2.0	2	2.1	0.011	0.055	-
	G-3(Bottom layer)	37.7302°	140.8307°	7.3	<0.5	5.0	7.9	8.3	0.05	2.6	3	2.9	0.011	0.055	-
	G-5(Surface layer)	37.7341°	140.8088°	7.5	1.2	4.3	8.8	6.9	0.04	2.1	2	2.8	0.0081	0.047	-
	G-5(Bottom layer)	37.7341°	140.8088°	7.4	0.8	4.2	8.6	7.1	0.04	1.9	4	3.7	0.016	0.082	-
Lake Akimoto	H-1(Surface layer)	37.6575°	140.1264°	7.5	0.6	4.4	8.3	5.4	0.03	1.8	5	4.1	0.0054	0.030	-
	H-1(Bottom layer)	37.6575°	140.1264°	6.8	<0.5	5.1	5.4	4.2	0.03	2.1	17	8.2	0.0048	0.026	-
	H-3(Surface layer)	37.6653°	140.1329°	7.0	0.6	4.7	8.8	5.2	0.03	2.0	7	5.1	0.0061	0.029	-
	H-3(Bottom layer)	37.6653°	140.1329°	6.9	0.5	7.1	7.4	4.2	0.03	3.2	16	8.9	0.0055	0.030	0.0015
	H-5(Surface layer)	37.6523°	140.1568°	7.0	<0.5	5.4	7.9	5.2	0.03	2.4	7	4.9	0.0079	0.041	-
	H-5(Bottom layer)	37.6523°	140.1568°	6.9	0.6	6.1	7.4	5.1	0.03	2.3	10	5.9	0.0094	0.054	-
Lake Inawashiro	I-1(Surface layer)	37.5047°	140.1143°	6.6	<0.5	2.4	8.0	11.3	0.07	0.8	1	1.2	0.0022	0.012	-
	I-1(Bottom layer)	37.5047°	140.1143°	6.2	0.7	2.2	8.4	11.4	0.07	0.5	2	1.2	0.0018	0.011	0.00088
	I-3(Surface layer)	37.5077°	140.0263°	6.8	<0.5	1.8	8.5	10.9	0.06	0.6	<1	0.7	0.0021	0.010	-
	I-3(Bottom layer)	37.5077°	140.0263°	6.8	<0.5	1.9	8.4	11.0	0.06	0.7	1	0.6	0.0016	0.011	-
	J-1(Surface layer)	37.4203°	140.1008°	6.7	0.5	2.1	8.4	10.8	0.06	0.6	<1	0.6	0.0023	0.0095	-
	J-1(Bottom layer)	37.4203°	140.1008°	6.7	1.1	2.8	8.2	11.0	0.07	1.1	2	1.0	0.0021	0.0098	-
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°	8.2	1.7	3.2	9.6	3680	29.60	1.4	4	2.8	N.D.(0.0015)	0.0091	-
	K-2(Bottom layer)	38.0455°	140.9401°	8.0	0.9	1.6	6.6	5010	32.91	0.9	2	1.2	N.D.(0.0016)	0.011	0.0010
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	8.0	<0.5	2.8	6.3	4640	30.16	1.1	6	3.4	0.0049	0.032	0.0010
	L-3	37.8217°	140.9765°	8.0	<0.5	3.4	6.7	4470	28.90	1.1	5	2.9	0.0031	0.019	-
Off Iwaki City (Hisanohama)	M-2(Surface layer)	37.1996°	141.0853°	8.2	0.8	1.6	7.7	4980	32.68	1.0	2	0.4	0.0015	0.013	-
	M-2(Bottom layer)	37.1996°	141.0853°	8.0	0.7	1.1	7.4	5120	33.78	0.9	3	0.8	0.0060	0.040	0.00096

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

○ Results (sediments)

Locations				2016 August - September Survey																
										Grain size distribution								Cs-134	Cs-137	Sr-90
		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)	(Bq/kg-dry)	(Bq/kg-dry)	(Bq/kg-dry)
Abukuma River System	A-1	37.6210°	140.5218°	7.4	110	56.0	10.3	26.7	2.610	0.0	0.7	1.8	8.5	46.1	42.9	0.0088	2.0	620	3500	0.92
	A-2	37.5673°	140.3946°	7.0	173	54.8	8.9	22.9	2.644	1.6	5.0	21.9	24.2	27.5	19.8	0.099	9.5	150	880	-
	B-1	37.7843°	140.4924°	7.2	217	47.5	5.0	5.1	2.679	0.0	0.1	12.5	40.3	29.3	17.8	0.10	2.0	150	740	-
	B-2	37.8121°	140.5058°	7.1	283	27.5	2.0	2.4	2.728	0.1	4.0	55.6	33.6	1.6	5.1	0.29	4.8	22	160	-
	B-3	37.8182°	140.4679°	7.4	256	12.8	1.1	2.1	2.665	46.4	34.2	14.8	2.9	0.5	1.2	1.9	9.5	19	85	-
Uda River	C-1	37.7953°	140.7459°	7.3	294	29.6	7.3	3.5	2.721	29.8	36.8	22.4	8.1	0.9	2.0	1.3	9.5	67	350	-
	C-2	37.7718°	140.7290°	6.7	342	24.8	3.6	4.1	2.770	26.2	21.3	31.1	9.3	3.6	8.5	0.77	9.5	23	140	-
	C-4	37.7687°	140.8443°	7.1	338	23.5	2.2	2.5	2.780	4.8	24.1	54.1	13.6	0.7	2.7	0.53	9.5	130	670	0.54
	C-5	37.7646°	140.8603°	7.6	329	18.7	1.1	1.0	2.695	22.1	47.1	29.1	1.0	0.1	0.6	1.2	9.5	35	190	-
	C-6	37.7764°	140.8877°	7.7	333	18.9	1.5	1.3	2.720	3.8	37.3	49.1	8.4	0.1	1.3	0.71	9.5	39	250	-
Mano River	D-1	37.7331°	140.9254°	7.6	347	10.7	1.6	1.7	2.732	83.0	13.8	1.9	1.1	0.0	0.2	3.5	9.5	32	170	0.76
	D-2	37.7095°	140.9566°	7.5	356	21.9	2.1	2.3	2.726	9.5	9.6	56.7	20.3	1.5	2.4	0.38	9.5	68	380	-
	D-3	37.7051°	140.9623°	7.6	366	14.6	1.5	1.6	2.711	53.9	27.9	12.6	4.2	0.3	1.1	2.2	9.5	11	89	-
	D-4 a	37.7308°	140.9081°	7.6	368	16.9	1.9	1.7	2.725	41.2	23.5	31.7	2.5	0.2	0.9	1.5	9.5	72	400	-
	D-5	37.7214°	140.8889°	7.7	378	22.6	2.4	1.8	2.730	15.8	41.3	38.7	2.3	0.4	1.5	0.97	9.5	83	470	-
Niida River	E-1	37.6609°	140.9115°	7.5	301	15.0	0.7	1.5	2.691	29.8	45.8	23.5	0.5	0.0	0.4	1.4	9.5	83	480	0.24
	E-2 a	37.6640°	140.9447°	7.5	325	15.7	0.9	1.5	2.687	32.0	29.0	37.7	0.9	0.1	0.3	1.1	9.5	48	250	-
	E-3	37.6444°	141.0018°	7.4	334	18.8	1.0	1.6	2.703	15.5	7.6	68.0	7.6	0.5	0.8	0.48	9.5	83	510	-
	E-4	37.6485°	140.9630°	7.4	339	16.3	1.0	1.9	2.703	19.2	26.0	47.0	6.5	0.4	0.9	0.78	9.5	75	460	-
	E-5	37.6652°	140.9169°	7.5	347	16.1	0.9	1.5	2.700	33.1	42.7	23.3	0.8	0.0	0.1	1.4	9.5	30	180	-
Ota River	F-1	37.5975°	140.9252°	7.1	281	17.9	1.0	1.9	2.658	19.5	32.9	40.4	5.2	0.3	1.7	0.90	9.5	320	1800	-
	F-2	37.6016°	140.9423°	7.2	306	14.4	0.6	1.0	2.653	22.4	41.3	34.6	1.4	0.0	0.3	1.1	19	130	630	0.25
	F-3	37.6045°	140.9636°	7.0	298	21.4	1.7	3.7	2.648	13.0	23.1	45.6	14.3	0.4	3.6	0.59	9.5	460	2600	-
	F-4	37.6070°	140.9720°	7.2	328	18.4	0.7	1.0	2.652	16.5	29.2	47.5	5.6	0.0	1.2	0.78	9.5	170	910	-
	F-5	37.6022°	140.9868°	7.1	342	16.5	0.7	1.8	2.661	40.0	24.1	28.6	5.4	0.5	1.4	1.5	9.5	120	820	-
Lake Hayama (Mano Dam)	G-1	37.7321°	140.8127°	7.1	315	51.9	10.3	17.3	2.722	0.0	0.0	24.5	44.7	18.3	12.5	0.16	2.0	570	3200	3.9
	G-2	37.7267°	140.8223°	6.9	302	75.0	15.8	35.8	2.556	0.0	0.8	1.8	4.6	35.9	56.9	0.0030	2.0	4100	23000	-
	G-3	37.7302°	140.8307°	7.1	179	51.3	8.3	21.0	2.696	6.0	7.9	12.8	13.4	35.1	24.8	0.036	19	640	3600	-
	G-4	37.7382°	140.8035°	7.4	252	22.3	2.0	2.3	2.735	0.5	8.8	69.8	18.1	1.2	1.6	0.41	4.8	180	960	-
	G-5	37.7341°	140.8088°	7.2	295	50.5	7.9	7.8	2.690	3.7	2.6	27.3	31.5	21.7	13.2	0.17	19	410	2300	-
Lake Akimoto	H-1	37.6575°	140.1264°	6.7	260	65.3	9.0	26.3	2.586	0.0	0.1	0.2	0.3	60.9	38.5	0.0081	2.0	18	100	-
	H-2	37.6616°	140.1226°	6.9	108	75.1	12.4	43.0	2.502	0.0	0.1	0.2	2.3	53.8	43.6	0.0068	2.0	280	1400	-
	H-3	37.6653°	140.1329°	6.8	148	71.6	14.3	47.7	2.431	0.0	0.1	0.3	15.0	41.1	43.5	0.0092	2.0	410	2200	1.7
	H-4	37.6551°	140.1181°	7.1	174	67.5	8.2	25.2	2.585	0.0	0.2	1.0	3.9	52.6	42.3	0.0074	2.0	90	550	-
	H-5	37.6523°	140.1568°	6.9	181	55.7	8.0	27.6	2.589	0.0	0.0	0.7	26.5	47.7	25.1	0.027	2.0	180	850	-
Lake Inawashiro	I-1	37.5047°	140.1143°	6.5	327	73.3	7.0	19.3	2.583	0.8	1.3	9.7	47.0	16.4	24.8	0.12	4.8	130	670	0.20
	I-2	37.4995°	140.1409°	6.7	310	68.5	7.6	22.6	2.566	0.0	0.5	1.1	33.4	36.0	29.0	0.036	2.0	83	430	-
	I-3	37.5077°	140.0263°	6.7	302	68.3	9.8	19.8	2.634	0.0	0.2	4.1	26.3	37.1	32.3	0.035	2.0	32	200	-
	I-4	37.5160°	140.1092°	6.7	352	23.6	1.5	1.8	2.780	16.7	20.0	52.0	10.7	0.0	0.6	0.60	19	8.3	60	-
	J-1	37.4203°	140.1008°	7.0	302	32.1	1.7	3.4	2.669	0.8	5.2	68.3	21.7	0.6	3.4	0.31	9.5	37	230	-
Off the mouth of the Abukuma River (Sea Area in front of the mouth of the Abukuma River)	K-1	38.0457°	140.9282°	8.0	293	27.9	2.2	2.1	2.734	0.0	0.2	25.3	66.5	4.7	3.3	0.18	4.8	17	86	-
	K-2	38.0455°	140.9401°	7.8	280	30.5	2.2	2.3	2.740	0.0	0.1	5.8	69.4	14.6	10.1	0.13	2.0	13	68	N.D.(0.13)
	K-3	38.0458°	140.9518°	7.8	276	40.3	7.0	17.3	2.718	0.0	0.0	1.4	39.3	31.7	27.6	0.055	2.0	19	120	-
Off Soma City (Matsukawaura)	L-1	37.8210°	140.9610°	7.9	-9	32.9	2.1	4.7	2.688	1.7	5.8	27.3	42.2	11.9	11.1	0.19	9.5	11	90	-
	L-2	37.8155°	140.9763°	7.7	241	23.6	1.1	3.2	2.726	1.7	8.0	76.3	9.4	1.1	3.5	0.42	9.5	9.5	54	N.D.(0.13)
	L-3	37.8217°	140.9765°	7.8	248	25.2	1.1	2.2	2.705	0.0	0.4	43.9	47.7	2.0	6.0	0.23	2.0	8.7	36	-
Off Iwaki City (Hisanohama)	M-1	37.1736°	141.0788°	7.8	233	26.9	2.0	2.0	2.772	0.0	0.4	3.7	85.5	4.9	5.5	0.16	2.0	10	48	-
	M-2	37.1996°	141.0853°	7.8	240	29.1	1.6	2.4	2.776	0.0	0.1	3.0	88.0	5.2	3.7	0.16	2.0	11	56	N.D.(0.13)
	M-3	37.2324°	141.0935°	7.8	247	27.2	1.7	2.1	2.779	0.0	0.3	5.4	86.7	3.0	4.6	0.16	2.0	8.7	48	-

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-2	Harase River	2016/8/19	Arthropoda	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena	10	0.0066	Larva (Dragonfly larva)	-	-	32.9	6.9	26	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii									
				Arthropoda	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Neocaridina sp.*	Neocaridina	161	0.040	Imago	-	-	31.3	4.3	27	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	51	0.022	Imago	-	Molluscous part	26.0	3.0	23	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	18	0.019	Immature fish	-	-	7.1	N.D.(2.0)	7.1	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Misgurnus anguillicaudatus*	Oriental weatherfish	84	0.096	Immature fish,Mature fish	-	-	8.3	1.6	6.7	-
				Vertebrata	Amphibia	Anura	Ranidae	*Rana rugosa*	Wrinkled Frog	2	0.0055	Imago	-	-	104	15	89	-
				Vertebrata	Amphibia	Anura	Ranidae	*Rana porosa porosa*	Tokyo Daruma pond frog									
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.20	-	-	-	62	10	52	-
	B-2	The main stream of the Abukuma River	2016/8/7	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	4	1.3	Mature fish	Obscure digesta	Viscera removed	17.8	2.8	15	0.25
			2016/9/2	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	4	6.0	Mature fish	Amorphous Residue	Viscera removed	52.1	9.1	43	0.44
			2016/8/13	Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	*Plecoglossus altivelis*	Sweetfish	59	2.6	Immature fish,Mature fish	-	-	28.9	4.9	24	0.19
			2016/8/7	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu*	Small mouth bass	2	0.69	Immature fish,Mature fish	Japanese mitten Crab	Viscera removed	12.9	1.9	11	-
			2016/8/26	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu*	Small mouth bass	1	1.6	Mature fish	Fish	Viscera removed	40.9	5.9	35	0.31
				Vertebrata	Osteichthyes	Siluriformes	Ictaluridae	*Ictalurus punctatus*	Channel catfish	2	7.1	Mature fish	Ephoron shigae	Viscera removed	22.2	3.2	19	0.059
	B-3	Surikami River	2016/8/20	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.012	-	-	-	97	16	81	-
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	212	0.057	Larva	-	-	44.0	8.0	36	-
				Arthropoda	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena	137	0.038	Larva (Dragonfly larva)	-	-	2.0	N.D.(1.0)	2.0	-
				Arthropoda	Insecta	Odonata	Gomphidae	*Onychogomphus viridicostus*	Melligomphus viridicostus									
				Arthropoda	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropoda	Insecta	Odonata	Gomphidae	*Davidius sp.*	Davidius									
				Arthropoda	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	54	0.029	Larva	-	-	3.8	N.D.(1.5)	3.8	-
				Arthropoda	Insecta	Megaloptera	Corydalidae	*Parachauliodes japonicus*	Parachauliodes japonicus									
				Arthropoda	Malacostraca	Decapoda	Cambaridae	*Procambarus clarkii*	Red swamp crawfish	1	0.025	Imago	-	-	13.0	3.0	10	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	*Cottus pollux*	Japanese fluvial sculpin	10	0.11	Immature fish	-	-	5.31	0.91	4.4	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	7	0.016	Immature fish,Mature fish	-	-	4.9	N.D.(2.8)	4.9	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	2	0.031	Immature fish	-	-	6.6	N.D.(1.2)	6.6	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Nipponocypris temminckii*	Dark chub	14	0.11	Immature fish,Mature fish	-	-	5.91	0.71	5.2	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Noemacheilus barbatulus*	Stone loach	11	0.10	Immature fish	-	-	4.30	0.80	3.5	-
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	*Plecoglossus altivelis*	Sweetfish	5	0.25	Mature fish	-	-	13.2	2.2	11	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Oncorhynchus masou*	Yamame trout	7	0.25	Immature fish	Stenopsyche marmorata	Viscera removed	8.3	1.1	7.2	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.15	-	-	-	12.8	1.8	11	-

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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	-	2016/8/20	Arthropoda	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii	70	0.012	Larva (Dragonfly larva)	-	-	10	N.D.(3.6)	10	-
				Arthropoda	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropoda	Insecta	Odonata	Gomphidae	*Davidius sp.*	Davidius									
				Arthropoda	Insecta	Odonata	Gomphidae	*Asiagomphus melaenops*	Asiagomphus melaenops									
				Arthropoda	Insecta	Odonata	Libellulidae	*Sympetrum sp.*	Sympetrum									
				Arthropoda	Insecta	Odonata	Aeshnidae	*Anax parthenope*	Anax parthenope									
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	203	0.055	Imago	-	-	10.3	1.7	8.6	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	*Eriocheir japonica*	Japanese mitten crab	6	0.081	Imago	-	-	18.1	3.1	15	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	2	0.010	Immature fish	Obscure digesta	Viscera removed	N.D.	N.D.(5.2)	N.D.(4.1)	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Zacco platypus*	Pale chub	9	0.077	Immature fish,Mature fish	Obscure digesta	Viscera removed	4.0	N.D.(0.93)	4.0	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Nipponocypris temminckii*	Dark chub	118	0.60	Immature fish	-	-	6.44	0.84	5.6	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Cobitis biwae*	Cobitis biwae	43	0.036	Immature fish,Mature fish	-	-	5.6	1.2	4.4	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Misgurnus anguillicaudatus*	Oriental weatherfish	6	0.0036	Immature fish	-	-	8.7	N.D.(8.7)	8.7	-
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	*Plecoglossus altivelis*	Sweetfish	11	0.099	Immature fish	-	-	22.9	3.9	19	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Gymnogobius urotaenia*	Goby	22	0.023	Immature fish	Obscure digesta	Viscera removed	3.4	N.D.(2.1)	3.4	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius sp. CB*	Rhinogobius nagoyae	23	0.038	Immature fish,Mature fish	Obscure digesta	Viscera removed	13.2	2.2	11	-
				Vertebrata	Osteichthyes	Siluriformes	Bagridae	*Pseudobagrus tokiensis*	Cut-tailed bullhead	11	0.0055	Immature fish	-	-	9.5	N.D.(6.0)	9.5	-
				Vertebrata	Amphibia	Anura	-	-	Frog	28	0.019	Larva (Tadople)	-	-	85	14	71	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.17	-	-	-	49.3	7.3	42	-
Mano River	D-4b	-	2016/8/24	Algae/plant	Monocotyledoneae	Najadales	Potamogetonaceae	*Potamogeton berchtoldii*	Small pondweed	-	0.22	-	-	-	660	100	560	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii	25	0.0073	Larva (Dragonfly larva)	-	-	37.5	6.5	31	-
				Arthropoda	Insecta	Odonata	Gomphidae	*Onychogomphus viridicostus*	Melligomphus viridicostus									
				Arthropoda	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropoda	Insecta	Odonata	Gomphidae	*Davidius sp.*	Davidius									
				Arthropoda	Insecta	Odonata	Aeshnidae	*Boyeria maclachlani*	Boyeria maclachlani									
				Arthropoda	Malacostraca	Decapoda	Cambaridae	*Procambarus clarkii*	Red swamp crawfish	6	0.045	Imago	-	-	76	13	63	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	187	0.019	Imago	-	-	67.4	9.4	58	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	*Eriocheir japonica*	Japanese mitten crab	1	0.0040	Imago	-	-	45	N.D.(10)	45	-
				Mollusca	Bivalvia	Unionoida	Unionidae	*Inversiunio yokohamensis*	Inversiunio jokohamensis	4	0.022	Imago	-	Molluscous part	36.4	5.4	31	-
				Mollusca	Gastropoda	Discopoda	Pleuroceridae	*Semisulcospira libertina*	Semisulcospira libertina	36	0.033	Imago	-	Molluscous part	248	38	210	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	8	0.010	Immature fish,Mature fish	Obscure digesta	Viscera removed	14	N.D.(6.1)	14	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	4	0.048	Immature fish	Obscure digesta	Viscera removed	27.9	4.9	23	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Zacco platypus*	Pale chub	4	0.014	Immature fish	Obscure digesta	Viscera removed	28.4	4.4	24	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Cobitis biwae*	Cobitis biwae	7	0.013	Immature fish,Mature fish	-	-	25.9	4.9	21	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Misgurnus anguillicaudatus*	Oriental weatherfish	36	0.056	Immature fish,Mature fish	Obscure digesta	Viscera removed	15.2	3.2	12	-
				Vertebrata	Osteichthyes	Siluriformes	Bagridae	*Pseudobagrus tokiensis*	Cut-tailed bullhead	2	0.011	Immature fish	Obscure digesta	Viscera removed	26.3	6.3	20	-
				Vertebrata	Amphibia	Anura	Ranidae	*Rana japonica*	Japanese Brown Frog	1	0.0049	Imago	-	-	6.3	N.D.(9.2)	6.3	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.14	-	-	-	21.6	3.6	18	-

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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	
Nida River	E-2b	-	2016/8/24	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0036	-	-	-	194	34	160	-
				Arthropoda	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena	19	0.0062	Larva (Dragonfly larva)	-	-	108	16	92	-
				Arthropoda	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropoda	Insecta	Odonata	Gomphidae	*Davidius sp.*	Davidius									
				Arthropoda	Insecta	Odonata	Gomphidae	*Asiagomphus melaenops*	Asiagomphus melaenops									
				Arthropoda	Insecta	Odonata	Aeshnidae	*Anax parthenope*	Anax parthenope									
				Arthropoda	Malacostraca	Decapoda	Cambaridae	*Procambarus clarkii*	Red swamp crawfish	5	0.046	Imago	-	-	66.9	9.9	57	-
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	*Palaemon paucidens*	Common prawn	47	0.046	Imago	-	-	49.8	6.8	43	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	199	0.031	Imago	-	-	49.1	7.1	42	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	*Eriocheir japonica*	Japanese mitten crab	5	0.21	Imago	-	-	72	11	61	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	11	0.21	Immature fish	Obscure digesta	Viscera removed	43.8	5.8	38	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Zacco platypus*	Pale chub	12	0.051	Immature fish	-	-	36.5	5.5	31	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	14	0.045	Immature fish	-	-	27.1	4.1	23	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Misgurnus anguillicaudatus*	Oriental weatherfish	15	0.050	Immature fish,Mature fish	-	-	34.6	5.6	29	-
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	*Plecoglossus altivelis*	Sweetfish	19	0.42	Immature fish,Mature fish	-	-	71	11	60	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius fluviatilis*	Rhinogobius fluviatilis	32	0.072	Immature fish,Mature fish	-	-	54.1	9.1	45	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius sp. CB*	Rhinogobius nagoyae									
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius sp.*	Rhinogobius									
				Vertebrata	Amphibia	Anura	Ranidae	*Rana porosa porosa*	Tokyo Daruma pond frog	8	0.051	Imago	-	-	37.3	5.3	32	-
				Vertebrata	Amphibia	Anura	Hylidae	*Hyla japonica*	Japanese tree flog									
				Vertebrata	Amphibia	Anura	-	-	Frog	7	0.0026	Larva (Tadople)	-	-	507	77	430	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.21	-	-	-	295	45	250	-
	E-4	-	2016/8/4	Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	*Plecoglossus altivelis*	Sweetfish	77	2.6	Mature fish	-	-	89	13	76	0.46
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	*Silurus asotus*	Amur catfish	1	1.5	Mature fish	Empty stomach	Viscera removed	426	66	360	1.3
Ota River	F-1	-	2016/8/21	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.025	-	-	-	1900	300	1600	-
				Arthropoda	Insecta	Trichoptera	Stenopsychidae	*Stenopsyche marmorata*	Stenopsyche marmorata	88	0.029	Larva	-	-	389	59	330	-
				Arthropoda	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena	38	0.015	Larva (Dragonfly larva)	-	-	249	39	210	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii									
				Arthropoda	Insecta	Odonata	Gomphidae	*Stylogomphus suzukii*	Stylogomphus suzukii									
				Arthropoda	Insecta	Odonata	Gomphidae	*Onychogomphus 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									
				Arthropoda	Insecta	Odonata	Libellulidae	*Orthetrum albistylum speciosum*	Common skimmer									
				Arthropoda	Malacostraca	Decapoda	Palaemonidae	*Palaemon paucidens*	Common prawn	20	0.033	Imago	-	-	448	78	370	-
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	155	0.029	Imago	-	-	392	62	330	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	*Eriocheir japonica*	Japanese mitten crab	3	0.055	Imago	-	-	531	81	450	-
				Vertebrata	Osteichthyes	Anguilliformes	Anguillidae	*Anguilla japonica*	Japanese eel	1	0.0094	Immature fish	Empty stomach	Viscera removed	356	66	290	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Cottidae	*Cottus pollux*	Japanese fluvial sculpin	3	0.037	Immature fish	Obscure digesta	Viscera removed	630	100	530	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	8	0.11	Immature fish,Mature fish	Obscure digesta	Viscera removed	315	45	270	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Zacco platypus*	Pale chub	5	0.024	Immature fish	Obscure digesta	Viscera removed	227	37	190	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Nipponocypris temminckii*	Dark chub	1	0.0075	Immature fish	-	-	253	43	210	-
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Cobitis biwae*	Cobitis biwae	4	0.0045	Immature fish,Mature fish	-	-	266	46	220	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius fluviatilis*	Rhinogobius fluviatilis	16	0.038	Mature fish	Obscure digesta	Viscera removed	465	75	390	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius sp. CB*	Rhinogobius nagoyae									
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.13	-	-	-	86	16	70	-
	F-5	-	2016/8/4	Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	*Plecoglossus altivelis*	Sweetfish	48	0.51	Immature fish	-	-	128	18	110	-

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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	In the lake	2016/8/22	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.016	-	-	-	6.6	N.D.(1.9)	6.6	-
	G-4	Inflowing rivers	2016/8/21	Algae/plant	-	-	-	-	Riverbed Deposits (Include algae)	-	0.0070	-	-	-	120	20	100	-
				Arthropoda	Insecta	Odonata	Corduliidae	*Macromia amphigena amphigena*	Macromia amphigena	78	0.018	Larva (Dragonfly larva)	-	-	2.10	0.30	1.8	-
				Arthropoda	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii									
				Arthropoda	Insecta	Odonata	Gomphidae	*Stylogomphus suzukii*	Stylogomphus suzukii									
				Arthropoda	Insecta	Odonata	Gomphidae	*Sieboldius albardae*	Sieboldius albardae									
				Arthropoda	Insecta	Odonata	Gomphidae	*Davidius sp.*	Davidius									
				Arthropoda	Insecta	Odonata	Gomphidae	*Asiagomphus melaenops*	Asiagomphus melaenops									
				Arthropoda	Insecta	Odonata	Aeshnidae	*Boyeria maclachlani*	Boyeria maclachlani									
				Arthropoda	Insecta	Megaloptera	Corydalidae	*Protohermes grandis*	Protohermes grandis	10	0.0049	Larva	-	-	22	N.D.(9.5)	22	-
				Arthropoda	Insecta	Megaloptera	Corydalidae	*Parachauliodes japonicus*	Parachauliodes japonicus									
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	117	0.013	Imago	-	-	64	11	53	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	16	0.0059	Immature fish	-	-	15	N.D.(7.5)	15	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	4	0.025	Immature fish	Obscure digesta	Viscera removed	68	10	58	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Oncorhynchus masou*	Yamame trout	3	0.020	Immature fish	Obscure digesta	Viscera removed	40.8	5.8	35	-
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu*	Small mouth bass	1	0.67	Mature fish	Fish	Viscera removed	521	81	440	-
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	*Rhinogobius sp.*	Rhinogobius	47	0.015	Immature fish,Mature fish	-	-	28.5	4.5	24	-
				Vertebrata	Osteichthyes	Siluriformes	Bagridae	*Pseudobagrus tokiensis*	Cut-tailed bullhead	12	0.011	Immature fish	-	-	42.2	7.2	35	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.16	-	-	-	285	45	240	-
Lake Akimoto	H-1 H-2 H-3	In the lake	2016/9/5	Arthropoda	Malacostraca	Decapoda	Astacidae	*Pacifastacus leniusculus trowbridgii*	Signal crayfish	36	1.1	Imago	-	-	36.3	5.3	31	7.5
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	15	2.5	Mature fish	Midge	Viscera removed	54.1	8.1	46	0.80
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius auratus*	Carassius auratus langsdorfii	8	1.2	Mature fish	Obscure digesta	Viscera removed	59.8	9.8	50	1.2
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Cyprinus carpio*	Common carp	1	0.90	Mature fish	Amorphous Residue	Viscera removed	29.7	4.7	25	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	2	2.0	Mature fish	Amorphous Residue	Viscera removed	51.3	8.3	43	1.5
				Vertebrata	Osteichthyes	Salmoniformes	Osmeridae	*Hypomesus nipponensis*	Japanese smelt	83	0.35	Mature fish	-	-	17.2	2.2	15	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Oncorhynchus masou*	Seema	1	0.36	Immature fish	Japanese smelt	Viscera removed	41.2	6.2	35	-
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu*	Small mouth bass	8	1.9	Immature fish,Mature fish	Japanese smelt,Common prawn,Signal crayfish	Viscera removed	78	12	66	1.1
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Lepomis macrochirus*	Bluegill	7	0.40	Immature fish,Mature fish	Common prawn	Viscera removed	49.6	6.6	43	-
	H-3	The confluence with Nakatsu River	2016/8/19	Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.25	-	-	-	56.5	9.5	47	-
	H-4	Within the lake and rivers in the vicinity	2016/8/19	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.0092	-	-	-	41.3	6.3	35	-
				Algae/plant	Monocotyledoneae	Alismatales	Hydrocharitaceae	*Elodea nuttallii*	Western Waterweed	-	0.34	-	-	-	54.1	8.1	46	-
			2016/8/18	Arthropoda	Insecta	Odonata	Corduliidae	*Cordulia amurensis*	Cordulia amurensis	46	0.015	Larva (Dragonfly larva)	-	-	7.2	N.D.(2.6)	7.2	-
				Arthropoda	Insecta	Odonata	Corduliidae	*Somatochlora uchidai*	Somatochlora uchidai									
				Arthropoda	Insecta	Odonata	Cordulegastridae	*Anotogaster sieboldii*	Anotogester sieboldii									
				Arthropoda	Insecta	Odonata	Libellulidae	*Sympetrum croceolum*	Sympetrum croceolum									
				Arthropoda	Insecta	Odonata	Libellulidae	*Libellula quadrimaculata asahinai*	Libellula quadrimaculata asahinai									
				Arthropoda	Insecta	Odonata	Aeshnidae	*Anax parthenope*	Anax parthenope									
				Arthropoda	Insecta	Odonata	Aeshnidae	*Aeshna juncea*	Common Hawker									
				Arthropoda	Malacostraca	Decapoda	Atyidae	*Paratya improvisa*	Freshwater shrimp	63	0.0099	Imago	-	-	18	N.D.(3.6)	18	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Phoxinus lagowskii steindachneri*	Amur Minnow	13	0.045	Immature fish,Mature fish	-	-	5.6	1.3	4.3	-
				Vertebrata	Amphibia	Anura	Ranidae	*Rana rugosa*	Wrinkled Frog	2	0.022	Imago	-	-	9.0	N.D.(2.2)	9.0	-
				Vertebrata	Amphibia	Anura	-	-	Frog	77	0.074	Larva (Tadople)	-	-	21.0	3.0	18	-
				Vertebrata	Amphibia	Caudata	Salamandridae	*Cynops pyrrhogaster*	Cynops pyrrhogaster	4	0.015	Imago	-	-	9.8	N.D.(3.7)	9.8	-

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Location		Sampling point	Sampling Date	Division	Class	Order	Family	Scientific name	English name	Population	Sample weight (kg-wet)	Note			Radioactive cesium (Bq/kg-wet)			Sr-90 (Bq/kg-wet)
												Growth stage	Stomach contents	Measurement site	Total	Cs-134	Cs-137	
Lake Inawashiro	I-1 I-2 (north lakeside)	-	2016/8/18	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	53	3.4	Mature fish	Empty stomach	Viscera removed	29.3	4.3	25	0.26
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius auratus*	Carassius auratus langsdorfii	7	0.16	Immature fish,Mature fish	Obscure digesta	Viscera removed	6.69	0.99	5.7	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius auratus*	Carassius auratus langsdorfii	7	3.7	Mature fish	Amorphous Residue	Viscera removed	23.6	3.6	20	0.50
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	1	0.39	Mature fish	Empty stomach	Viscera removed	30.3	4.3	26	-
				Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	*Salvelinus leucomaenis*	Char	1	0.52	Mature fish	Japanese smelt	Viscera removed	69	11	58	-
				Particulate Organic Matter	-	-	-	-	Bottom fallen leaves	-	0.21	-	-	-	132	22	110	-
	J-1 (south lakeside)	-	2016/8/18	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.034	-	-	-	0.99	N.D.(1.3)	0.99	-
				Algae/plant	Dicotyledoneae	Nymphaeales	Nymphaeaceae	*Nuphar japonicum*	Cow lily	-	0.34	-	-	-	1.97	0.27	1.7	-
				Algae/plant	Dicotyledoneae	Solanales	Menyanthaceae	*Nymphoides peltata*	Fringed water-lily	-	1.6	-	-	-	0.78	0.12	0.66	-
				Mollusca	Gastropoda	Architaenioglossa	Viviparidae	*Bellamya chinensis laeta*	Mud-snail	7	0.020	Imago	-	Molluscous part	2.3	N.D.(2.7)	2.3	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	104	2.3	Immature fish,Mature fish	Obscure digesta	Viscera removed	14.2	2.2	12	0.18
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Tribolodon hakonensis*	Japanese dace	8	0.53	Mature fish	Midge	Viscera removed	17.7	2.7	15	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Zacco platypus*	Pale chub	55	0.72	Immature fish,Mature fish	Obscure digesta	Viscera removed	7.6	1.3	6.3	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Pseudogobio esocinus*	Pseudogobio esocinus	119	1.4	Immature fish,Mature fish	Obscure digesta	Viscera removed	13.6	2.6	11	0.45
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius auratus*	Carassius auratus langsdorfii	7	0.051	Immature fish	-	-	7.1	N.D.(1.1)	7.1	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Carassius auratus*	Carassius auratus langsdorfii	7	3.4	Mature fish	Amorphous Residue	Viscera removed	21.0	3.0	18	0.53
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	10	0.61	Immature fish	Obscure digesta	Viscera removed	17.3	3.3	14	-
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	*Hemibarbus barbus*	Hemibarbus barbus	2	2.0	Mature fish	Amorphous Residue	Viscera removed	35.2	5.2	30	0.45
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	*Misgurnus anguillicaudatus*	Oriental weatherfish	24	0.086	Immature fish,Mature fish	-	-	1.9	N.D.(1.1)	1.9	-
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu*	Small mouth bass	2	0.030	Immature fish	Obscure digesta	Viscera removed	20.2	3.2	17	-
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	*Micropterus dolomieu*	Small mouth bass	2	2.8	Mature fish	Fish	Viscera removed	131	21	110	0.36
				Vertebrata	Amphibia	Anura	Ranidae	*Rana rugosa*	Wrinkled Frog	7	0.058	Imago	-	-	N.D.	N.D.(0.86)	N.D.(0.76)	-
				Vertebrata	Amphibia	Anura	Ranidae	*Rana porosa porosa*	Tokyo Daruma pond frog									
				Vertebrata	Amphibia	Caudata	Salamandridae	*Cynops pyrrhogaster*	Cynops pyrrhogaster	3	0.015	Imago	-	-	2.5	N.D.(2.6)	2.5	-

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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	-	2016/9/6	Vertebrata	Osteichthyes	Pleuronectiformes	Paralichthyidae	*Paralichthys olivaceus*	Bastard halibut	1	0.97	Mature fish	Anchovy	Viscera removed	0.70	N.D.(0.27)	0.70	-
				Vertebrata	Osteichthyes	Zeiformes	Zeidae	*Zeus faber*	John Dory	1	0.68	Mature fish	Empty stomach	Viscera removed	0.47	N.D.(0.34)	0.47	-
				Vertebrata	Chondrichthyes	Rajiformes	Rajidae	*Okamejei kenojei*	Common Skete	3	3.5	Immature fish	Shrimp,Fish	Viscera removed	0.86	N.D.(0.33)	0.86	N.D.(0.017)
Off Soma City	L-1 L-2 L-3	Matsukawaura	2016/8/26	Algae/plant	-	-	-	-	Plankton (Planktonic algae)	-	0.020	-	-	-	19.8	2.8	17	-
				Algae/plant	Monocotyledoneae	Najadales	Zosteraceae	*Zostera marina*	Eel grass	-	1.4	-	-	-	0.59	0.13	0.46	-
			2016/8/20	Arthropoda	Malacostraca	Mysida	Mysidae	-	Mysidae	-	0.29	Imago	-	-	4.06	0.66	3.4	-
				Arthropoda	Malacostraca	Decapoda	Varunidae	*Hemigrapsus sp.*	Hemigrapsus	110	0.23	Imago	-	-	2.37	0.37	2.0	-
			2016/8/24	Mollusca	Bivalvia	Ostreoida	Ostreidae	*Crassostrea gigas*	Oyster	18	0.27	Imago	-	Molluscous part	1.2	N.D.(0.36)	1.2	-
				Mollusca	Bivalvia	Veneroida	Veneridae	*Ruditapes philippinarum*	Japanese littleneck	90	0.31	Imago	-	Molluscous part	3.53	0.53	3.0	-
			2016/8/20	Vertebrata	Osteichthyes	Perciformes	Mugilidae	*Mugil cephalus*	Flathead mullet	12	0.18	Immature fish	Obscure digesta	Viscera removed	1.7	N.D.(0.57)	1.7	-
				Vertebrata	Osteichthyes	Clupeiformes	Clupeidae	*Konosirus punctatus*	Dotted gizzard shad	119	0.50	Immature fish	-	-	3.62	0.62	3.0	-
				Vertebrata	Osteichthyes	Tetraodontiformes	Tetraodontidae	*Takifugu niphobles*	Takifugu niphobles	2	0.19	Mature fish	Obscure digesta	Viscera removed	2.1	N.D.(0.44)	2.1	-
Off Iwaki City	M-1 M-2 M-3	Offshore of Hisanohama	2016/9/5	Arthropoda	Malacostraca	Decapoda	Portunidae	*Portunus trituberculatus*	Japanese blue crab	1	0.055	Imago	-	-	4.00	0.50	3.5	-
				Mollusca	Cephalopoda	Octopoda	Octopodidae	*Octopus vulgaris*	Common octopus	1	0.43	Imago	-	-	N.D.	N.D.(0.37)	N.D.(0.37)	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Triglidae	*Lepidotrigla microptera*	Searobin	27	2.4	Immature fish,Mature fish	Shrimp	Viscera removed	0.87	N.D.(0.34)	0.87	-
				Vertebrata	Osteichthyes	Scorpaeniformes	Triglidae	*Chelidonichthys spinosus*	Gurnard	1	0.19	Mature fish	Empty stomach	Viscera removed	N.D.	N.D.(0.54)	N.D.(0.54)	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae	*Kareius bicoloratus*	Stone flounder	1	1.1	Mature fish	Empty stomach	Viscera removed	1.8	N.D.(0.33)	1.8	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae	*Pleuronectes yokohamae*	Marbled sole	2	0.87	Mature fish	Ragworm	Viscera removed	1.91	0.41	1.5	-
				Vertebrata	Osteichthyes	Pleuronectiformes	Paralichthyidae	*Paralichthys olivaceus*	Bastard halibut	3	4.6	Mature fish	Empty stomach	Viscera removed	1.1	N.D.(0.31)	1.1	-
				Vertebrata	Osteichthyes	Perciformes	Sparidae	*Evynnis japonica*	Crimson sea-bream	7	3.7	Immature fish,Mature fish	Crab	Viscera removed	0.97	N.D.(0.34)	0.97	N.D.(0.017)
				Vertebrata	Osteichthyes	Tetraodontiformes	Tetraodontidae	*Takifugu poecilonotus*	Pufferfish	12	2.7	Mature fish	Obscure digesta	Viscera removed	2.70	0.50	2.2	-
				Vertebrata	Osteichthyes	Zeiformes	Zeidae	*Zeus faber*	John Dory	5	3.2	Immature fish,Mature fish	Anchovy	Viscera removed	0.55	N.D.(0.36)	0.55	N.D.(0.017)
				Vertebrata	Chondrichthyes	Rajiformes	Rajidae	*Okamejei kenojei*	Common Skete	3	2.1	Immature fish	Shrimp,Shellfish,Crab	Viscera removed	5.84	0.74	5.1	-
				Vertebrata	Chondrichthyes	Carcharhiniformes	Triakidae	*Mustelus manazo*	Starspotted smooth-hound	3	3.7	Immature fish	Crab,Crustacea,Ragworm	Viscera removed	3.99	0.49	3.5	0.021
	M-4	Hisanohama Coastal areas	2016/9/5	Algae/plant	Phaeophyceae	Laminariales	Laminariaceae	*Eisenia bicyclis*	Eisenia bicyclis	-	0.30	-	-	-	3.35	0.55	2.8	-
				Mollusca	Gastropoda	Archaeogastropoda	Haliotidae	*Haliotis sp.*	Abalone	3	0.33	Imago	-	Molluscous part	0.88	N.D.(0.29)	0.88	-
				Echinodermata	Echinoidea	Echinoida	Strongylocentrotidae	*Strongylocentrotus nudus*	Northern sea urchin	6	0.45	Imago	-	-	0.43	N.D.(0.24)	0.43	-

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