

○ Results (water)

				2015 June Survey											
Location		Latitude	Longitude	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	6.5	8.7	16.9	0.09	3.2	18	7.4	0.036	0.13	0.0015
	A-1(Deep layer)	37.6210°	140.5218°	7.4	1.7	6.5	8.8	17.0	0.09	3.3	20	9.8	0.024	0.087	—
	A-2	37.5673°	140.3946°	7.3	0.7	4.5	9.5	13.0	0.07	1.7	7	3.1	0.019	0.064	—
	B-1	37.7843°	140.4924°	7.4	1.3	6.1	8.8	16.9	0.09	3.1	14	8.8	0.038	0.13	—
	B-2	37.8121°	140.5058°	7.4	2.0	6.1	8.9	15.7	0.08	2.5	13	7.5	0.035	0.13	—
	B-3	37.8182°	140.4679°	7.4	0.7	2.7	10.0	8.6	0.05	1.0	6	2.3	0.0061	0.022	—
Uda River	C-1	37.7953°	140.7459°	7.5	<0.5	2.6	9.0	11.0	0.06	1.0	3	1.5	0.020	0.074	—
	C-2	37.7718°	140.7290°	7.3	0.6	8.0	9.2	12.0	0.06	3.8	23	7.3	0.042	0.16	—
	C-3	37.7792°	140.8040°	7.7	<0.5	2.8	9.3	8.7	0.05	1.2	5	2.1	0.017	0.060	—
	C-4	37.7687°	140.8443°	7.7	<0.5	2.6	9.9	9.2	0.05	1.1	4	2.0	0.0065	0.026	0.0010
	C-5	37.7646°	140.8603°	7.5	<0.5	2.9	9.3	9.4	0.05	1.3	2	2.5	0.020	0.065	—
	C-6	37.7764°	140.8877°	7.7	<0.5	3.0	9.7	10.8	0.06	1.4	2	2.4	0.0068	0.026	—
Mano River	D-1	37.7331°	140.9254°	7.5	<0.5	2.6	10.7	11.0	0.06	1.2	6	1.4	0.019	0.068	0.0012
	D-2	37.7095°	140.9566°	7.3	<0.5	3.3	9.5	12.4	0.07	1.5	7	2.5	0.0098	0.032	—
	D-3	37.7051°	140.9623°	7.3	<0.5	3.6	9.7	13.3	0.07	1.7	6	2.6	0.011	0.039	—
	D-4a	37.7308°	140.9081°	7.4	<0.5	2.8	9.7	10.6	0.06	1.3	2	1.4	0.011	0.043	—
	D-4b	37.7312°	140.9096°	7.5	<0.5	2.7	9.6	10.6	0.06	1.1	4	1.2	0.012	0.043	—
	D-5	37.7214°	140.8889°	7.5	<0.5	3.1	9.8	8.9	0.05	1.4	6	1.2	0.012	0.045	—
Niida River	E-1	37.6609°	140.9115°	7.5	0.8	4.9	9.2	6.9	0.04	2.0	24	18.3	0.14	0.53	0.0021
	E-2a	37.6640°	140.9447°	7.3	1.2	5.2	9.4	7.4	0.04	2.6	38	37.2	0.16	0.62	—
	E-2b	37.6635°	140.9452°	7.3	0.8	5.2	9.7	7.5	0.04	2.5	35	36.0	0.18	0.67	—
	E-3	37.6444°	141.0018°	7.2	1.4	5.3	8.9	9.6	0.05	2.2	37	36.6	0.17	0.64	—
	E-4	37.6485°	140.9630°	7.4	0.6	4.6	9.5	7.9	0.04	2.0	26	25.1	0.11	0.39	—
	E-5	37.6652°	140.9169°	7.4	0.6	4.4	9.5	7.2	0.04	1.9	22	15.7	0.076	0.31	—
Ota River	F-1	37.5975°	140.9252°	7.7	0.6	2.9	9.5	5.1	0.03	1.2	2	1.2	0.051	0.19	—
	F-2	37.6016°	140.9423°	7.4	<0.5	2.7	9.3	5.7	0.03	1.0	2	0.9	0.061	0.22	0.0033
	F-3	37.6045°	140.9636°	7.5	<0.5	3.4	9.3	5.7	0.03	1.1	4	1.6	0.082	0.30	—
	F-4	37.6070°	140.9720°	7.2	<0.5	2.9	9.2	6.3	0.04	0.9	2	1.2	0.070	0.26	—
	F-5	37.6022°	140.9868°	7.3	<0.5	3.3	9.7	7.3	0.04	1.2	3	1.7	0.049	0.17	—
	F-6	37.5953°	141.0123°	7.1	0.8	5.5	8.5	90.7	0.46	2.4	6	4.5	0.044	0.17	—
Lake Hayama (Mano Dam)	G-1(Surface layer)	37.7321°	140.8127°	7.5	1.1	3.9	9.3	6.7	0.04	2.1	4	2.6	0.014	0.050	—
	G-1(Deep layer)	37.7321°	140.8127°	7.5	0.9	4.0	8.1	6.8	0.04	2.2	3	2.8	0.012	0.050	0.0015
	G-3(Surface layer)	37.7302°	140.8307°	7.6	<0.5	3.7	9.3	6.7	0.04	2.0	2	1.6	0.015	0.055	—
	G-3(Deep layer)	37.7302°	140.8307°	7.2	0.7	3.7	8.0	7.2	0.04	2.2	2	1.8	0.014	0.049	—
	G-5(Surface layer)	37.7341°	140.8088°	7.9	1.0	3.9	9.2	6.9	0.04	2.1	4	2.8	0.016	0.055	—
	G-5(Deep layer)	37.7341°	140.8088°	7.6	1.1	4.0	8.3	7.3	0.04	2.2	4	3.4	0.017	0.063	—

○ Results (water)

				2015 June Survey											
Location		Latitude	Longitude	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 Akimoto	H-1(Surface layer)	37.6575°	140.1264°	7.5	0.6	2.6	9.6	4.1	0.03	1.1	2	1.3	0.0058	0.022	—
	H-1(Deep layer)	37.6575°	140.1264°	7.2	0.7	2.8	9.2	3.9	0.03	1.4	2	1.4	0.0025	0.0092	—
	H-3(Surface layer)	37.6653°	140.1329°	7	0.8	3.0	9.2	4.0	0.03	1.3	1	1.7	0.0037	0.011	—
	H-3(Deep layer)	37.6653°	140.1329°	7.2	0.8	3.0	9.5	4.2	0.03	1.8	<1	1.5	0.0063	0.023	0.0012
	H-5(Surface layer)	37.6523°	140.1568°	7.2	0.8	3.0	9.5	4.1	0.03	1.5	1	1.2	0.0058	0.022	—
	H-5(Deep layer)	37.6523°	140.1568°	7.2	1.2	2.2	9.3	4.9	0.03	1.3	2	1.1	N.D.(0.0019)	0.0084	—
Lake Inawashiro	I-1(Surface layer)	37.5047°	140.1143°	7	<0.5	1.5	9.3	11.5	0.06	0.7	2	0.9	0.0030	0.0092	—
	I-1(Deep layer)	37.5047°	140.1143°	6.9	<0.5	1.3	8.9	11.6	0.06	0.9	1	0.4	0.0042	0.015	0.0016
	I-3(Surface layer)	37.5077°	140.0263°	6.9	0.6	1.4	9.4	11.3	0.06	0.7	2	1.4	0.0045	0.013	—
	I-3(Deep layer)	37.5077°	140.0263°	6.9	0.6	1.2	8.7	11.4	0.06	0.8	<1	0.5	0.0038	0.012	—
	J-1(Surface layer)	37.4203°	140.1008°	6.9	0.8	1.5	9.6	11.3	0.06	1.0	1	0.6	0.0043	0.013	—
	J-1(Deep layer)	37.4203°	140.1008°	6.9	<0.5	1.5	8.0	11.6	0.06	1.3	<1	0.2	0.0038	0.013	—
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	1.3	3.2	10.0	4380	28.83	1.7	3	2.8	0.0024	0.0073	—
	K-2(Deep layer)	38.0455°	140.9401°	8	<0.5	1.6	8.7	5120	33.21	1.1	8	5.4	0.0065	0.029	0.0016
Off Soma City (Matsukawaura)	L-2	37.8155°	140.9763°	8	0.5	2.5	7.5	4820	30.89	1.3	5	1.6	0.0057	0.020	0.0011
	L-3	37.8217°	140.9765°	8	<0.5	2.3	7.4	4930	31.36	1.3	7	1.9	0.0054	0.019	—
Off Iwaki City (Hisanohama)	M-2(Surface layer)	37.1996°	141.0853°	8.1	<0.5	1.5	9.2	5090	33.27	1.0	4	0.4	0.0012	0.0028	—
	M-2(Deep layer)	37.1996°	141.0853°	8	<0.5	1.1	9.3	5190	33.50	1.1	4	0.7	N.D.(0.0015)	0.0066	0.0011

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

○ Results (sediments)

	Location		2015 June Survey																		
	Latitude	Longitude	pH	Redox potential E _{N,H,E} (mV)	Water content (%)	IL (%)	TOC (mg/g-dry)	Soil particle density (g/cm ³)	Grain size distribution								Cs-134 (Bq/kg-dry)	Cs-137 (Bq/kg-dry)	Sr-90 (Bq/kg-dry)		
									Gravel (2-75mm) (%)	Coarse sand (0.85-2mm) (%)	Medium sand (0.25-0.85mm) (%)	Fine sand (0.075-0.25mm) (%)	Silt (0.005-0.075mm) (%)	Clay (Less than 0.005mm) (%)	Median grain diameter (mm)	Maximum grain diameter (mm)					
Abukuma River System	A-1	37.6210°	140.5218°	7.1	162	39.1	3.7	4.5	2.680	0.0	0.1	38.8	32.9	14.2	14.0	0.21	2.0	120	590	N.D.(0.12)	
	A-2	37.5673°	140.3946°	6.9	367	18.9	1.7	4.1	2.759	20.7	44.0	27.2	5.8	1.1	1.2	1.1	1.9	50	190	—	
	B-1	37.7843°	140.4924°	7.3	309	12.8	0.8	1.3	2.697	29.5	49.6	16.3	0.8	0.3	0.1	1.5	9.5	13	53	—	
	B-2	37.8121°	140.5058°	7.1	357	26.5	1.6	2.4	2.771	3.8	2.6	60.1	30.1	1.5	1.9	0.31	9.5	53	180	—	
	B-3	37.8182°	140.4679°	6.9	385	15.4	1.1	2.1	2.649	32.1	36.8	23.0	6.8	0.7	0.6	1.4	4.8	20	74	—	
Uda River	C-1	37.7953°	140.7459°	7.0	410	21.2	2.8	5.9	2.696	39.2	23.2	25.7	6.9	1.8	3.2	1.5	1.9	220	800	—	
	C-2	37.7718°	140.7290°	6.8	24	72.3	15.5	45.5	2.412	2.6	4.6	8.0	17.0	27.6	40.2	0.015	4.8	1500	5900	—	
	C-4	37.7687°	140.8443°	7.3	456	14.4	1.7	2.6	2.653	36.2	32.4	25.7	2.9	0.8	2.0	1.5	9.5	130	580	0.53	
	C-5	37.7646°	140.8603°	7.0	475	26.1	2.6	3.5	2.627	12.1	20.5	40.2	15.0	6.9	5.3	0.53	9.5	200	790	—	
	C-6	37.7764°	140.8877°	7.3	488	20.2	2.5	2.5	2.626	29.3	25.9	36.0	5.9	0.8	2.1	1.0	1.9	120	450	—	
Mano River	D-1	37.7331°	140.9254°	7.2	479	17.2	1.8	2.3	2.655	29.3	38.2	25.3	5.1	0.3	1.8	1.3	1.9	200	790	0.58	
	D-2	37.7095°	140.9566°	7.2	474	19.6	1.6	2.2	2.670	12.5	39.5	42.3	3.3	0.2	2.2	0.88	9.5	140	520	—	
	D-3	37.7051°	140.9623°	7.2	470	18.2	1.5	2.3	2.670	22.6	28.4	41.9	1.5	4.3	0.6	2.2	0.87	9.5	33	120	—
	D-4a	37.7308°	140.9081°	7.3	472	18.5	1.8	1.5	2.691	19.4	42.2	33.9	3.1	0.1	1.3	1.1	9.5	270	1100	—	
	D-5	37.7214°	140.8889°	7.4	474	18.5	1.7	1.4	2.666	35.7	30.9	25.6	5.3	0.7	1.8	1.4	4.8	150	570	—	
Nida River	E-1	37.6609°	140.9115°	6.9	380	11.3	0.9	1.3	2.663	44.4	45.1	10.0	0.3	0.2		1.8	1.9	190	690	N.D.(0.13)	
	E-2a	37.6640°	140.9447°	6.8	377	73.0	8.8	36.7	2.451	1.5	6.2	16.9	19.6	30.9	24.9	0.043	4.8	2600	10000	—	
	E-3	37.6444°	141.0018°	7.0	402	14.5	1.0	1.4	2.666	20.0	35.3	42.0	1.8	0.0	0.9	0.95	1.9	71	280	—	
	E-4	37.6485°	140.9630°	6.8	446	18.8	1.0	2.2	2.658	12.8	39.0	45.5	1.7	0.0	1.0	0.88	9.5	80	280	—	
	E-5	37.6652°	140.9169°	6.8	447	15.2	1.5	3.4	2.681	28.6	26.1	38.4	5.2	0.5	1.2	0.98	9.5	350	1300	—	
Ota River	F-1	37.5975°	140.9252°	6.8	485	20.2	1.5	2.6	2.638	24.9	25.9	31.1	13.4	1.8	2.9	0.87	1.9	2600	10000	—	
	F-2	37.6016°	140.9423°	6.9	479	18.5	0.8	1.5	2.633	41.7	41.5	14.7	0.9	0.3	0.9	1.7	1.9	740	2800	0.27	
	F-3	37.6045°	140.9636°	6.8	475	15.7	1.0	1.7	2.636	30.4	31.7	21.5	12.7	1.6	2.1	1.2	9.5	660	2600	—	
	F-4	37.6070°	140.9720°	6.8	478	15.6	0.6	1.3	2.637	36.1	35.9	20.7	6.0	0.3	1.0	1.5	9.5	330	1300	—	
	F-5	37.6022°	140.9868°	6.9	480	19.9	1.2	1.4	2.628	27.2	31.4	36.1	3.0	0.3	2.0	1.1	1.9	230	890	—	
Lake Hayama (Mano Dam)	G-1	37.7321°	140.8127°	6.6	119	73.0	17.9	50.9	2.269	1.9	1.8	3.4	26.2	22.5	44.2	0.011	4.8	3100	12000	4.6	
	G-2	37.7267°	140.8223°	6.7	31	71.2	14.9	41.0	2.418	0.1	0.0	0.3	1.5	43.0	55.1	0.0036	4.8	4000	15000	—	
	G-3	37.7302°	140.8307°	6.6	64	49.1	8.4	22.0	2.544	14.2	8.3	13.2	12.6	24.9	26.8	0.054	1.9	770	3200	—	
	G-4	37.7382°	140.8035°	6.8	194	26.4	2.9	2.1	2.662	14.4	26.2	46.8	6.2	2.1	4.3	0.72	1.9	510	2000	—	
	G-5	37.7341°	140.8088°	6.6	81	76.5	23.3	78.5	2.262	0.9	0.7	1.6	13.3	36.4	47.1	0.0077	4.8	4000	15000	—	
Lake Akimoto	H-1	37.6575°	140.1264°	6.7	257	64.6	8.7	22.4	2.522	0.0	0.2	0.3	0.8	52.4	46.3	0.0056	2.0	31	210	—	
	H-2	37.6616°	140.1226°	6.7	267	74.9	10.9	29.7	2.419	0.7	1.1	1.7	2.5	40.9	53.1	0.0045	4.8	120	410	—	
	H-3	37.6653°	140.1329°	6.6	296	70.1	19.1	40.5	2.371	4.5	2.0	1.9	32.5	32.5	26.6	0.042	4.8	630	2400	0.85	
	H-4	37.6551°	140.1181°	6.6	221	68.4	10.2	32.7	2.472	0.0	1.6	0.6	5.4	42.7	49.7	0.0051	2.0	280	990	—	
	H-5	37.6523°	140.1568°	6.8	346	53.5	7.0	15.6	2.561	0.7	0.6	2.3	48.7	30.2	17.5	0.079	4.8	150	530	—	
Lake Inawashiro	I-1	37.5047°	140.1143°	6.9	240	82.4	9.2	15.0	2.472	0.6	0.6	5.2	33.0	24.3	36.3	0.042	4.8	120	460	0.21	
	I-2	37.4995°	140.1409°	7.0	202	69.8	9.1	26.5	2.493	0.1	0.3	1.0	31.2	29.7	37.7	0.023	4.8	120	470	—	
	I-3	37.5077°	140.0263°	6.9	183	68.7	10.1	27.8	2.518	0.1	0.3	3.3	32.2	35.4	28.7	0.037	4.8	30	140	—	
	I-4	37.5160°	140.1092°	6.5	378	19.5	1.7	2.2	2.691	21.2	13.2	53.5	11.3	0.1	0.7	0.57	1.9	17	67	—	
	J-1	37.4203°	140.1008°	6.9	334	32.6	1.9	3.6	2.642	0.4	4.0	64.9	22.0	3.2	5.5	0.30	4.8	53	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	286	20.8	1.6	1.5	2.660	0.0	0.9	59.7	36.1	0.2	3.1	0.29	2.0	8.1	36	—	
	K-2	38.0455°	140.9401°	7.6	160	30.2	2.5	2.0	2.684	0.0	0.0	1.3	68.6	24.5	5.6	0.10	2.0	29	99	N.D.(0.13)	
	K-3	38.0458°	140.9518°	7.5	-7	35.4	5.4	7.3	2.628	0.0	0.2	0.2	22.4	63.0	14.2	0.051	2.0	90	360	—	
Off Soma City (Matsukawaura)	L-1	37.8210°	140.9610°	7.5	124	26.2	2.3	3.1	2.662	10.3	15.5	41.0	18.1	7.4	7.7	0.42	1.9	30	120	—	
	L-2	37.8155°	140.9763°	7.5	139	21.9	1.3	1.1	2.665	0.1	0.3	48.9	46.3	2.0	2.4	0.25	9.5	6.4	32	N.D.(0.15)	
	L-3	37.8217°	140.9765°	7.5	16	20.7	1.1	1.1	2.693	0.1	0.6	59.0	36.8	1.5	2.0	0.28	4.8	4.8	20	—	
Off Iwaki City (Hisanojima)	M-1	37.1736°	141.0788°	7.8	208	30.3	2.0	1.3	2.755	0.1	0.1	1.7	85.9	5.0	7.2	0.15	4.8	19	70	—	
	M-2	37.1996°	141.0853°	7.8	216	28.4	1.9	1.3	2.806	1.1	1.0	3.0	88.7	2.5	3.7	0.16	4.8	14	49	N.D.(0.14)	
	M-3	37.2324°	141.0935°	7.9	230	25.9	2.1	1.1	2.781	0.8	0.8	3.1	90.4	2.4	2.5	0.17	4.8	13	52	—	

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

Results of Radionuclide Analysis of Aquatic Organisms, Radioactive Material Monitoring in the Water Environment (2015 June-July Survey)

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	2015/6/17	Phycochryta	—	—	—	—	Riverbed Deposits (include algae)	—	0.015	—	—	—	257	57	200	—		
			Arthropod	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	81	0.036	Larva	—	—	—	40.3	8.3	32	—	
			Arthropod	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>	24	0.016	Larva(dragonfly larva)	—	—	—	19.8	5.8	14	—	
			Arthropod	Insecta	Odonata	Cordulegastriidae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>	—	—	—	—	—	—	—	—	—	—	—
			Arthropod	Insecta	Odonata	Gomphidae	<i>Stylogomphus suzukii</i>	<i>Stylogomphus suzukii</i>	—	—	—	—	—	—	—	—	—	—	—
			Arthropod	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Onychogomphus viridicostus</i>	34	0.027	Larva(dragonfly larva)	—	—	—	35.8	7.8	28	—	
			Arthropod	Insecta	Odonata	Gomphidae	<i>Melligomphus melanocephalus</i>	<i>Onychogomphus melanocephalus</i>	—	—	—	—	—	—	—	—	—	—	—
			Arthropod	Malacostraca	Decapoda	Procambarus	<i>Procambarus clarkii</i>	Red swamp crawfish	4	0.027	Larva, Imago	—	—	—	21.4	4.4	17	—	
			Arthropod	Malacostraca	Decapoda	—	—	<i>Neocaridina sp.</i>	1420	0.16	Imago	—	—	—	16.4	3.4	13	—	
			Mollusca	Gastropoda	Sorbeconcha	Pleuroceridae	<i>Semisulcospira libertina</i>	<i>Semisulcospira libertina</i>	51	0.026	Imago	—	—	Molluscan body	26.3	6.3	20	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	2	0.015	Mature fish	—	—	—	5.2	N.D.(2.5)	5.2	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus asquillecaudatus</i>	Oriental weatherfish	18	0.046	Mature fish	—	—	—	14.8	2.8	12	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	5	0.035	Mature fish	—	—	—	12	3.3	8.7	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagoskii steindachneri</i>	Amur Minnow	5	0.017	Mature fish	—	—	—	5.3	N.D.(2.8)	5.3	—	
			Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Yamame trout	42	0.33	Immature fish (under 1-year old)	—	—	—	9.9	2.1	7.8	—	
			Amphibia	Anura	Ranidae	Ranidae	<i>Glandirana rugosa</i>	Wrinkled Frog	5	0.049	Imago	—	—	—	21.9	4.9	17	—	
			Vertebrata	Amphibia	Anura	Ranidae	<i>Pelophylax porosus porosus</i>	Daruma pond frog	—	—	—	—	—	—	—	—	—	—	—
			Vertebrata	Amphibia	Anura	—	—	—	30	0.033	Larva (tadpoles)	—	—	—	152	32	120	—	
			Vertebrata	Amphibia	Caudata	Salamandridae	<i>Cynops pyrrhogaster</i>	<i>Cynops pyrrhogaster</i>	4	0.018	Imago	—	—	—	8.8	N.D.(3.2)	8.8	—	
			Particulate Organic	—	—	—	—	—	—	—	Bottom fallen leaves	—	0.22	—	—	442	92	350	—
	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	<i>Hemibarbus barbus</i>	1	1.3	Mature fish (6-year-old)	Obscure digesta	—	—	—	19.1	4.1	15	—		
	Vertebrata	Osteichthyes	Osmerniformes	Osmernidae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	102	2.0	Mature fish	—	—	—	66	13	53	0.13			
	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micronotus dolomieu dolomieu</i>	Small mouth bass	1	0.37	Mature fish (2-year-old)	Empty stomach	—	—	—	33.5	7.5	26	—		
	Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.4	Mature fish (19-year-old)	Empty stomach	—	—	—	60	14	46	0.39		
	Phycochryta	—	—	—	—	—	—	—	Riverbed Deposits (include algae)	—	0.13	—	—	125	27	98	—		
	Phycochryta	Monocots	—	Potamogetonaceae	<i>Potamogeton crispus</i>	Curly-leaf pondweed	—	0.27	—	—	—	—	—	8.5	1.8	6.7	—		
	Arthropod	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	<i>Stenopsyche marmorata</i>	311	0.10	Larva	—	—	—	—	33.7	6.7	27	—		
	Arthropod	Insecta	Odonata	Corduliidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	—	—	—	—	—	—	—	—	—	—	—		
	Arthropod	Insecta	Odonata	Cordulegastriidae	<i>Anotogaster sieboldii</i>	<i>Anotogaster sieboldii</i>	62	0.027	Larva(dragonfly larva)	—	—	—	4.6	N.D.(1.4)	4.6	—			
	Arthropod	Insecta	Odonata	Gomphidae	<i>Melligomphus viridicostus</i>	<i>Onychogomphus viridicostus</i>	—	—	—	—	—	—	—	—	—	—	—		
	Arthropod	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>	—	—	—	—	—	—	—	—	—	—	—		
	Arthropod	Insecta	Megaloptera	Corallidae	<i>Prothermes grandis</i>	<i>Prothermes grandis</i>	33	0.017	Larva	—	—	—	—	41	10	31	—		
Arthropod	Malacostraca	Decapoda	Procambarus	<i>Procambarus clarkii</i>	Red swamp crawfish	7	0.12	Imago	—	—	—	—	25.4	5.4	20	—			
Mollusca	Gastropoda	Sorbeconcha	Pleuroceridae	<i>Semisulcospira libertina</i>	<i>Semisulcospira libertina</i>	15	0.0048	Imago	—	—	Molluscan body	68	18	50	—				
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	3	0.05	Mature fish (3-year-old)	Terrestrial insects	—	—	—	9.8	2.0	7.8	—			
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	1	0.039	Mature fish (1-year-old)	—	—	—	N.D.	N.D.(12.0)	N.D.(12.0)	—				
Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus asquillecaudatus</i>	Oriental weatherfish	24	0.064	Mature fish	—	—	—	11	2.1	8.9	—				
Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Nemacheilus toni</i>	Stone loach	68	0.025	Mature fish	—	—	—	8.2	2.1	6.1	—				
Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Yamame trout	19	0.29	Mature fish (1-year-old)	—	—	—	9.6	1.9	7.7	—				
Vertebrata	Amphibia	Anura	Ranidae	<i>Lithobates catesbeianus</i>	American Bullfrog	3	0.037	Larva (tadpoles)	—	—	—	267	57	210	—				
Vertebrata	Amphibia	Anura	Ranidae	<i>Lithobates catesbeianus</i>	American Bullfrog	3	0.031	Larva (tadpoles)	—	—	—	138	28	110	—				
Particulate Organic	—	—	—	—	—	—	—	Bottom fallen leaves	—	0.24	—	—	30	6.0	24	—			

*1: Organisms were collected in or around the targeted water areas.

*2: When multiple types of aquatic organisms were collected, a sample was prepared by mixing them.

*3: For a sample made of multiple types of aquatic organisms, the name of the dominant one largest in number is underlined.

*4: Basically, measurement was conducted for all organism samples. Viscera (stomach and bowels) were removed for the measurement when possible so that undigested food and sediments, etc. in the digestive system would be excluded.

*5: A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith

*6: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40µm-mesh).

*7: 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.

*8: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

*9: Activity concentrations include counting errors, but the details are omitted here.

Results of Radionuclide Analysis of Aquatic Organisms, Radioactive Material Monitoring in the Water Environment (2015 June-July Survey)

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					
Uda River	C-6	2015/6/18	Phlebobranchia	—	—	—	—	—	Riverside Deposits (include algae)	—	0.015	—	—	—	439	89	350	—			
			Arthropod	Insecta	Trichoptera	Stenopyschidae	<i>Stenopysche marmorata</i>	<i>Stenopysche marmorata</i>	68	0.0071	Larva	—	—	—	88	24	64	—			
			Arthropod	Insecta	Odonata	Cordulidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	—	—	—	—	—	—	—	—	—	—	—		
			Arthropod	Insecta	Odonata	Gomphidae	<i>Meligomphus viridicostus</i>	<i>Onychogomphus viridicostus</i>	16	0.0033	Larva(dragonfly larva)	—	—	—	12	N.D.(15.0)	12	—			
			Arthropod	Insecta	Odonata	Gomphidae	—	Davidius	—	—	—	—	—	—	—	—	—	—	—		
			Arthropod	Insecta	Megaloptera	Carabellidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	13	0.0076	Larva	—	—	—	6.9	N.D.(4.3)	6.9	—			
			Arthropod	Malacostraca	Decapoda	Grapsidae	<i>Eriocheir japonica</i>	Japanese mitten crab	5	0.095	Imago	—	—	—	32.9	6.9	26	—			
			Arthropoda	Malacostraca	Decapoda	Avidae	<i>Pararya improvisa</i>	Freshwater Crabs	102	0.025	Imago	—	—	—	21.1	4.1	17	—			
			Arthropod	Malacostraca	Decapoda	Procambarus	<i>Procambarus clarkii</i>	Red swamp crawfish	2	0.0065	Imago	—	—	—	19.3	5.3	14	—			
			Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	2	0.013	Mature fish	—	—	—	10	N.D.(3.9)	10	—			
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	18	0.12	Mature fish (3-year-old)	—	—	—	11.1	2.5	8.6	—			
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Candidia temminckii</i>	Dark chub	28	0.016	Mature fish (1-year-old)	—	—	—	6.5	N.D.(3.9)	6.5	—			
			Vertebrata	Osteichthyes	Perciformes	Gobiidae	—	Rhinogobius	11	0.033	Mature fish	—	—	—	20.8	3.8	17	—			
			Vertebrata	Amphibia	Anura	Rhacophoridae	<i>Buergeria buergeri</i>	Kaika flog	2	0.010	Imago	—	—	—	34.3	9.3	25	—			
			Vertebrata	Amphibia	Anura	Ranidae	<i>Pelophylax porosus porosus</i>	Daruma pond frog	—	—	—	—	—	—	—	—	—	—			
			Particulate Organic	—	—	—	—	—	—	—	Bottom fallen leaves	—	0.17	—	—	—	118	24	94	—	
			Muro River	D-4b	2015/6/20	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Onsariichthys platypus</i>	Zacco platypus	12	0.18	Mature fish (2-year-old)	—	—	—	17.6	3.6	14	—
						Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	40	0.55	Mature fish (1-year-old)	—	—	—	26.7	5.7	21	—
						Vertebrata	Osteichthyes	Osmeriformes	Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	24	0.53	Mature fish	—	—	—	62	13	49	—
						Phlebobranchia	—	—	—	—	—	—	—	—	—	—	—	—	192	42	150
Arthropod	Insecta	Trichoptera				Stenopyschidae	<i>Stenopysche marmorata</i>	<i>Stenopysche marmorata</i>	149	0.011	Larva	—	—	—	190	40	150	—			
Arthropod	Insecta	Odonata				Cordulidae	<i>Macromia amphigena amphigena</i>	<i>Macromia amphigena</i>	—	—	—	—	—	—	—	—	—	—	—		
Arthropod	Insecta	Odonata				Gomphidae	<i>Meligomphus viridicostus</i>	<i>Onychogomphus viridicostus</i>	—	—	—	—	—	—	—	—	—	—	—		
Arthropod	Insecta	Odonata				Gomphidae	<i>Sieboldius albardae</i>	<i>Sieboldius albardae</i>	—	—	—	—	—	—	—	—	—	—	—		
Arthropod	Insecta	Odonata				Gomphidae	<i>Asiatomphus melanocephalus</i>	<i>Asiatomphus melanocephalus</i>	—	—	—	—	—	—	—	—	—	—	—		
Arthropod	Insecta	Odonata				Libellulidae	<i>Orthetrum albivulum speciosum</i>	Common skimmer	—	—	—	—	—	—	—	—	—	—	—		
Arthropod	Insecta	Odonata				Aeshnidae	<i>Boveria maclachlani</i>	<i>Boveria maclachlani</i>	—	—	—	—	—	—	—	—	—	—	—		
Arthropod	Insecta	Megaloptera				Corallidae	<i>Protohermes grandis</i>	<i>Protohermes grandis</i>	76	0.032	Larva	—	—	—	19.4	4.4	15	—			
Arthropod	Malacostraca	Decapoda				Procambarus	<i>Procambarus clarkii</i>	Red swamp crawfish	4	0.097	Imago	—	—	—	164	34	130	—			
Arthropod	Malacostraca	Decapoda				Grapsidae	<i>Eriocheir japonica</i>	Japanese mitten crab	1	0.036	Imago	—	—	—	82	17	65	—			
Arthropoda	Malacostraca	Decapoda				Avidae	<i>Pararya improvisa</i>	Freshwater Crabs	36	0.0061	Imago	—	—	—	75	14	61	—			
Arthropod	Malacostraca	Decapoda				Palaemonidae	<i>Palaemon nasutidens</i>	Common crayon	4	0.0031	Imago	—	—	—	98	29	69	—			
Mollusca	Gastropoda	Sorbococoncha				Pleuroceridae	<i>Semisulcospira libertina</i>	<i>Semisulcospira libertina</i>	16	0.011	Imago	—	—	—	100	23	77	—			
Vertebrata	Osteichthyes	Ansuilliformes				Ansuillidae	<i>Anguilla japonica</i>	eel	1	0.46	Mature fish (11-year-old)	Pale chub	—	—	Viscera removed	200	40	160	—		
Vertebrata	Osteichthyes	Scorpaeniformes				Cottidae	<i>Cottus reinii</i>	Sculpin	2	0.029	Mature fish	Caddis - flies	—	—	Viscera removed	86	19	67	—		
Vertebrata	Osteichthyes	Cypriniformes				Cyprinidae	<i>Onsariichthys platypus</i>	Zacco platypus	5	0.032	Mature fish (1.2-year-old)	—	—	—	78	17	61	—			
Vertebrata	Osteichthyes	Cypriniformes				Cyprinidae	<i>Gnathopogon elongatus elongatus</i>	Tanoroko	5	0.021	Mature fish (2-year-old)	—	—	—	95	21	74	—			
Vertebrata	Osteichthyes	Cypriniformes				Cyprinidae	<i>Phoxinotus igawskii stendachneri</i>	Amur Minnow	3	0.0058	Mature fish (1-year-old)	—	—	—	43	11	32	—			
Vertebrata	Osteichthyes	Cypriniformes				Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	3	0.026	Mature fish	—	—	—	14.4	3.4	11	—			
Vertebrata	Osteichthyes	Cypriniformes				Cyprinidae	<i>Onsariichthys platypus</i>	Zacco platypus	49	0.016	Immature fish (under 1-year old)	—	—	—	101	21	80	—			
Vertebrata	Osteichthyes	Osmeriformes				Osmeridae	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	1	0.0055	Mature fish	—	—	—	102	27	75	—			
Vertebrata	Osteichthyes	Salmoniformes				Salmonidae	<i>Oncorhynchus masou masou</i>	Yamame trout	4	0.036	Immature fish (1-year-old)	<i>Stenopysche marmorata</i>	—	—	Viscera removed	51	10	41	—		
Vertebrata	Osteichthyes	Perciformes				Gobiidae	<i>Rhinogobius flaviventris</i>	R. flaviventris	5	0.024	Mature fish	—	—	—	203	43	160	—			
Vertebrata	Osteichthyes	Perciformes				Gobiidae	—	R. sp. CB	11	0.027	Mature fish	—	—	—	95	19	76	—			
Particulate Organic	—	—				—	—	—	—	—	Bottom fallen leaves	—	0.16	—	—	—	236	46	190	—	

*1: Organisms were collected in or around the targeted water areas.
 *2: When multiple types of aquatic organisms were collected, a sample was prepared by mixing them.
 *3: For a sample made of multiple types of aquatic organisms, the name of the dominant one largest in number is underlined.
 *4: Basically, measurement was conducted for all organism samples. Viscera (stomach and bowels) were removed for the measurement when possible so that undigested food and sediments, etc. in the digestive system would be excluded.
 *5: A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith
 *6: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40µm-mesh).
 *7: 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.
 *8: N.D. means to be below the detection limit and figures in parentheses show the detection limit.
 *9: Activity concentrations include counting errors, but the details are omitted here.

Results of Radionuclide Analysis of Aquatic Organisms, Radioactive Material Monitoring in the Water Environment (2015 June-July Survey)

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			
Nida River	E-2b	2015/6/19	Phycophyta	—	—	—	—	Riverbed Deposits (include algae)	—	0.0048	—	—	—	680	150	530	—		
			Arthropod	Insecta	Trichoptera	Stenopsychidae	<i>Stenopsyche marmorata</i>	Stenopsyche marmorata	217	0.034	Larva	—	—	—	472	92	380	—	
			Arthropod	Insecta	Odonata	Gomphidae	<i>Mellogomphus viridicostus</i>	Onychogomphus viridicostus	146	0.023	Larva(dragonfly larva)	—	—	—	61	13	48	—	
			Arthropod	Insecta	Megaloptera	Coruliidae	<i>Protoperla grandis</i>	Protoperla grandis	20	0.018	Larva	—	—	—	59	13	46	—	
			Arthropod	Malacostraca	Decapoda	Procambarus	<i>Procambarus clarkii</i>	Red swamp crayfish	17	0.097	Imago	—	—	—	202	42	160	—	
			Arthropod	Malacostraca	Decapoda	Grapsidae	<i>Eriocheir japonica</i>	Japanese mitten crab	11	0.16	Imago	—	—	—	163	33	130	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius sp.</i>	Carassius auratus langsdorfi	1	0.064	Mature fish (2-year-old)	Obscure digesta	Viscera removed	—	99	22	77	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Omsariichthys platyus</i>	Zacco platypus	6	0.074	Mature fish (2-year-old)	Obscure digesta	Viscera removed	—	74	15	59	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	16	0.12	Mature fish (1-year-old)	—	—	—	59	12	47	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Gnathopomus elongatus elongatus</i>	Tanoroko	6	0.031	Mature fish (2-year-old)	—	—	—	57	12	45	—	
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Sarcocheilichthys variegatus variegatus</i>	Kawahigai	2	0.0082	Mature fish (1-year-old)	—	—	—	70	15	55	—	
			Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Yamame trout	4	0.087	Mature fish (1-year-old)	Terrestrial insect	Viscera removed	—	44.5	8.5	36	—	
			Vertebrata	Osteichthyes	Osmerniformes	Sweetfish	<i>Plecoglossus altivelis altivelis</i>	Sweetfish	2	0.012	Mature fish	—	—	—	193	43	150	—	
			Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius</i>	Rhinogobius	6	0.030	Mature fish	—	—	—	96	20	76	—	
			Particulate Organic	—	—	—	—	—	—	Bottom fallen leaves	—	0.14	—	—	—	356	76	280	—
			Ono River	F-1	2015/6/19	Phycophyta	—	—	—	—	Riverbed Deposits (include algae)	—	0.015	—	—	—	1810	410	1400
Arthropod	Insecta	Trichoptera				Stenopsychidae	<i>Stenopsyche marmorata</i>	Stenopsyche marmorata	24	0.0076	Larva	—	—	—	520	120	400	—	
Arthropod	Insecta	Odonata				Coruliidae	<i>Macromia amphigena amphigena</i>	Macromia amphigena	—	—	—	—	—	—	—	—	—	—	
Arthropod	Insecta	Odonata				Gomphidae	<i>Mellogomphus viridicostus</i>	Onychogomphus viridicostus	—	—	—	—	—	—	—	—	—	—	
Arthropod	Insecta	Odonata				Gomphidae	<i>Sieboldius albardae</i>	Sieboldius albardae	52	0.028	Larva(dragonfly larva)	—	—	—	346	76	270	—	
Arthropod	Insecta	Odonata				Gomphidae	<i>Asiagomphus melanocephalus</i>	Asiagomphus melanocephalus	—	—	—	—	—	—	—	—	—	—	
Arthropod	Insecta	Odonata				Aeshnidae	<i>Boveria maclachlani</i>	Boveria maclachlani	—	—	—	—	—	—	—	—	—	—	
Arthropod	Insecta	Megaloptera				Coruliidae	<i>Protoperla grandis</i>	Protoperla grandis	36	0.022	Larva	—	—	—	140	30	110	—	
Arthropoda	Malacostraca	Decapoda				Axiidae	<i>Paratya improvisa</i>	Freshwater Crabs	138	0.041	Imago	—	—	—	620	130	490	—	
Arthropod	Malacostraca	Decapoda				Procambarus	<i>Procambarus clarkii</i>	Red swamp crayfish	4	0.020	Imago	—	—	—	431	91	340	—	
Arthropod	Malacostraca	Decapoda				Palaemonidae	<i>Palaemon pauceidens</i>	Common prawn	7	0.014	Imago	—	—	—	490	110	380	—	
Vertebrata	Osteichthyes	Cypriniformes				Cyprinidae	<i>Carassius sp.</i>	Carassius auratus langsdorfi	2	0.015	Mature fish (1-year-old)	Obscure digesta	Viscera removed	—	247	57	190	—	
Vertebrata	Osteichthyes	Cypriniformes				Cobitidae	<i>Cobitis bivaue</i>	Cobitis bivaue	6	0.0048	Mature fish	—	—	—	402	82	320	—	
Vertebrata	Osteichthyes	Cypriniformes				Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	22	0.10	Mature fish (1,2-year-old)	Obscure digesta	Viscera removed	—	600	130	470	—	
Vertebrata	Osteichthyes	Perciformes				Gobiidae	<i>Rhinogobius flaviventris</i>	R. flaviventris	3	0.0071	Mature fish	Ephemeroptera	Viscera removed	—	930	210	720	—	
Vertebrata	Amphibia	Anura				Ranidae	<i>Ladole</i>	Ladole	28	0.0077	Larva (tadpoles)	—	—	—	488	98	390	—	
Vertebrata	Amphibia	Anura	Ranidae	<i>Lithobates catesbeianus</i>	American Bullfrog	1	0.16	Imago	—	—	—	361	71	290	—				
Particulate Organic	—	—	—	—	—	—	Bottom fallen leaves	—	0.18	—	—	—	69	15	54	—			
Lake Biwama	G-1	In the lake	2015/6/24	Phycophyta	—	—	—	—	Plankton (Planktonic algae)	—	0.0037	—	—	—	N.D.	N.D.(7.3)	N.D.(6.6)	—	
			2015/6/25	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagoskiewitzi steindachneri</i>	Amur Minnow	9	0.13	Mature fish(3.5-year-old)	Algae	Viscera removed	9.7	1.9	7.8	—	
			2015/6/25	Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Yamame trout	1	0.039	Mature fish (1-year-old)	Terrestrial insect (Bee)	Viscera removed	18.3	4.3	14	—	
			2015/7/7	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu dolomieu</i>	Small mouth bass	1	0.27	Mature fish (2-year-old)	Fish	Viscera removed	125	25	100	—	
	G-4	Inflowing rivers	2015/6/25	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus salmoides</i>	Largemouth bass	5	0.28	Mature fish (1-year-old)	Obscure digesta	Viscera removed	87	18	69	—	
				Vertebrata	Osteichthyes	Siluriformes	Siluridae	<i>Silurus asotus</i>	Amur catfish	1	0.58	Mature fish(7-year-old)	Empty stomach	Viscera removed	650	140	510	—	
				Phycophyta	—	—	—	—	—	Riverbed Deposits (include algae)	—	0.011	—	—	—	2140	440	1700	—
				Arthropod	Insecta	Odonata	Coruliidae	<i>Macromia amphigena amphigena</i>	Macromia amphigena	—	—	—	—	—	—	—	—	—	—
				Arthropod	Insecta	Odonata	Cordulegastridae	<i>Anotogaster sieboldii</i>	Anotogaster sieboldii	—	—	—	—	—	—	—	—	—	—
				Arthropod	Insecta	Odonata	Gomphidae	<i>Sieboldius albardae</i>	Sieboldius albardae	41	0.0077	Larva(dragonfly larva)	—	—	—	76	17	59	—
				Arthropod	Insecta	Odonata	Gomphidae	<i>Davidius</i>	Davidius	—	—	—	—	—	—	—	—	—	—
				Arthropod	Insecta	Odonata	Aeshnidae	<i>Boveria maclachlani</i>	Boveria maclachlani	—	—	—	—	—	—	—	—	—	—
				Arthropoda	Malacostraca	Decapoda	Axiidae	<i>Paratya improvisa</i>	Freshwater Crabs	50	0.012	Imago	—	—	—	122	26	96	—
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagoskiewitzi steindachneri</i>	Amur Minnow	3	0.0032	Mature fish (1-year-old)	—	—	—	41	19	22	—
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	7	0.018	Mature fish (2-year-old)	—	—	—	83	18	65	—
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	7	0.0074	Mature fish (1-year-old)	—	—	—	117	25	92	—
Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	65	0.0046	Immature fish (under 1-year old)	—	—	—	9.7	N.D.(7.6)	9.7	—				
Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Yamame trout	1	0.013	Immature fish (1-year-old)	Ephemeroptera	Viscera removed	—	263	53	210	—				
Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Yamame trout	7	0.024	Immature fish (under 1-year old)	Chironomus	Viscera removed	—	67	15	52	—				
Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Rhinogobius flumineus</i>	Rhinogobius flumineus	5	0.012	Mature fish	Ephemeroptera	Viscera removed	—	110	22	88	—				
Particulate Organic	—	—	—	—	—	—	Bottom fallen leaves	—	0.17	—	—	—	403	83	320	—			

*1: Organisms were collected in or around the targeted water areas.

*2: When multiple types of aquatic organisms were collected, a sample was prepared by mixing them.

*3: For a sample made of multiple types of aquatic organisms, the name of the dominant one largest in number is underlined.

*4: Basically, measurement was conducted for all organism samples. Viscera (stomach and bowels) were removed for the measurement when possible so that undigested food and sediments, etc. in the digestive system would be excluded.

*5: A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith

*6: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40µm-mesh).

*7: 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.

*8: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

*9: Activity concentrations include counting errors, but the details are omitted here.

Results of Radionuclide Analysis of Aquatic Organisms, Radioactive Material Monitoring in the Water Environment (2015 June-July Survey)

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				
Lake Minno	In the lake	2015/6/16	Arthropod	Malacostraca	Decapoda	Asiaticidae	<i>Pacifastacus leniusculus</i>	Simal crayfish	15	0.76	Imago	—	—	39	8.0	31	—			
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Oxyurichthys platyrus</i>	Zacco platypus	9	0.39	Mature fish (3-year-old)	Chironomus	Viscera removed	40.5	8.5	32	—			
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	11	0.52	Japanese dace	Chironomus	Viscera removed	51	11	40	—			
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	Hemibarbus barbus	6	1.1	Mature fish (3-year-old)	Obscure digesta	Viscera removed	55	12	43	—			
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius sp.</i>	<i>Carassius auratus langsdorfi</i>	19	2.7	Mature fish (2.6-year-old)	Obscure digesta	Viscera removed	74	16	58	1.2			
			Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Common carp	1	1.6	Mature fish (3-year-old)	Obscure digesta	Viscera removed	38.7	8.7	30	1.2			
			Vertebrata	Osteichthyes	Osmeteriformes	Osmeteridae	<i>Hypomus nipponensis</i>	Japanese smelt	80	0.19	Mature fish (0.1-year-old)	Water flea, Chironomus	Viscera removed	19.2	4.2	15	—			
			Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Salvelinus leucomaenis</i>	Char	14	4.7	Mature fish (2.3-year-old)	Eviscerated	Viscera removed	73	16	57	0.38			
			Vertebrata	Osteichthyes	Salmoniformes	Salmonidae	<i>Oncorhynchus masou masou</i>	Seema	1	0.35	Mature fish (2-year-old)	Empty stomach	Viscera removed	41.8	8.8	33	—			
			Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis macrochirus macrochirus</i>	Bluegill	10	0.82	Mature fish (2.3-year-old)	Terrestrial insects, Crane fly	Viscera removed	34	7.0	27	—			
	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus salmoides</i>	Largemouth bass	1	2.5	Mature fish (6-year-old)	Empty stomach	Viscera removed	107	22	85	0.98					
	Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu dolomieu</i>	Small mouth bass	1	0.61	Mature fish (2-year-old)	Empty stomach	Viscera removed	126	26	100	—					
	H-3	Inflowing rivers	2015/6/16	Particulate Organic	—	—	—	—	—	—	—	—	—	—	42.4	8.4	34	—		
				Phycochryta	—	—	—	—	—	—	—	—	—	—	—	219	49	170	—	
	H-4	Within the lake and rivers in the vicinity	2015/6/16	Angiospermae	Monocotyledoneae	Hydrocharitales	Hydrocharitaceae	<i>Elodea nuttallii</i>	Western Waterweed	—	0.18	—	—	—	—	13.8	2.8	11	—	
				Arthropoda	Insecta	Ephemeroptera	Ephemeroidea	<i>Ephemeria japonica</i>	Futatsuimokogaserou	124	0.0055	Larva	—	—	—	229	49	180	—	
				Arthropoda	Insecta	Ephemeroptera	Ephemeroidea	<i>Ephemeria striolata</i>	Monkaserou	11	0.0063	—	—	—	—	—	—	—	—	—
				Arthropoda	Insecta	Trichoptera	Eubasilissae	<i>Eubasilissa regina</i>	Murasakitobikera	39	0.059	Larva	—	—	—	N.D.	N.D.(4.4)	N.D.(4.1)	—	
				Arthropod	Insecta	Odonata	Cordulegastriidae	<i>Anotogaster sieboldii</i>	Anotogaster sieboldii	1	0.003	Larva(dragonfly larva)	—	—	—	23.4	5.4	18	—	
				Mollusca	Gastropoda	Sorbeoconcha	Pleuroceridae	<i>Semisulcospira libertina</i>	Semisulcospira libertina	38	0.015	Imago	—	—	—	7.1	N.D.(3.6)	7.1	—	
Vertebrata				Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagowskii steindachneri</i>	Amur Minnow	15	0.082	Mature fish (1.2-year-old)	—	—	—	16.3	3.3	13	—		
Vertebrata				Amphibia	Anura	Ranidae	<i>Glandirana rugosa</i>	Wrinkled Frog	8	0.055	Imago	—	—	—	15.4	3.4	12	—		
Vertebrata				Amphibia	Anura	Ranidae	<i>Pelophylax porosus porosus</i>	Daruma pond frog	77	0.011	Larva (tadpoles)	—	—	—	151	31	120	—		
Vertebrata				Amphibia	Anura	Ranidae	<i>Pelophylax porosus porosus</i>	Daruma pond frog	4	0.027	Imago	—	—	—	10.5	2.9	7.6	—		
Vertebrata				Amphibia	Caudata	Salamandridae	<i>Cynops pyrrhogaster</i>	Cynops pyrrhogaster	4	0.027	Imago	—	—	—	—	—	—	—	—	
Lake Inawashiro				I-1 (north lakeside)	2015/6/17	Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	20	1.0	Mature fish (2-year-old)	Empty stomach	Viscera removed	56	11	45	—
						Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	11	1.4	Mature fish (3-year-old)	Obscure digesta	Viscera removed	67	14	53	—
						Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius sp.</i>	<i>Carassius auratus langsdorfi</i>	6	2.4	Mature fish (4.5-year-old)	Obscure digesta	Viscera removed	46.2	9.2	37	0.51
	Vertebrata	Osteichthyes	Salmoniformes			Salmonidae	<i>Oncorhynchus masou masou</i>	Seema	1	0.055	Mature fish (1-year-old)	Aquatic insects	Viscera removed	5.9	N.D.(1.9)	5.9	—			
	Vertebrata	Osteichthyes	Salmoniformes			Salmonidae	<i>Oncorhynchus masou masou</i>	Seema	1	0.17	Mature fish (2-year-old)	Fish, Terrestrial & aquatic insects	Viscera removed	53	11	42	—			
	Vertebrata	Osteichthyes	Salmoniformes			Salmonidae	<i>Oncorhynchus masou masou</i>	Seema	10	3.1	Mature fish (3-year-old)	Terrestrial insects	Viscera removed	74	15	59	0.11			
	Vertebrata	Osteichthyes	Salmoniformes			Salmonidae	<i>Salvelinus leucomaenis</i>	Char	1	0.074	Mature fish (1-year-old)	Fish	Viscera removed	37.6	7.6	30	—			
	Vertebrata	Osteichthyes	Salmoniformes			Salmonidae	<i>Salvelinus leucomaenis</i>	Char	10	2.7	Mature fish (2.3-year-old)	Empty stomach	Viscera removed	67	14	53	0.13			
	Vertebrata	Osteichthyes	Siluriformes			Siluridae	<i>Silurus asotus</i>	Amur catfish	1	1.1	Mature fish (10-year-old)	Empty stomach	Viscera removed	95	19	76	—			
	Particulate Organic	—	—			—	—	—	—	—	—	—	—	—	—	25.6	5.6	20	—	
	J-1 (south lakeside)	—	2015/6/17	Phycochryta	—	—	—	—	—	—	—	—	—	—	—	28	N.D.(7.4)	28	—	
				Angiospermae	Dicotyledoneae	—	Menyanthaceae	<i>Nymphaoides peltata</i>	Nymphaoides peltata	—	0.17	—	—	—	—	N.D.	N.D.(0.5)	N.D.(0.5)	—	
				Angiospermae	Dicotyledoneae	Nymphales	Nymphaeaceae	<i>Nympha japonica</i>	Cow lily	—	0.34	—	—	—	—	2.64	0.54	2.1	—	
				Arthropod	Insecta	Odonata	Cordulegastriidae	<i>Anotogaster sieboldii</i>	Anotogaster sieboldii	12	0.014	Larva(dragonfly larva)	—	—	—	8.9	N.D.(2.9)	N.D.(2.4)	—	
				Arthropod	Malacostraca	Decapoda	Palaemonidae	<i>Palaemon pavidus</i>	Common brown	16	0.0092	Imago	—	—	—	8.9	N.D.(3.6)	8.9	—	
				Mollusca	Gastropoda	Architaenioglossa	Viviparidae	<i>Cipangopulidina chinensis lueta</i>	Mud-snail	41	0.056	Imago	—	—	—	3.1	N.D.(1.1)	3.1	—	
				Mollusca	Gastropoda	Sorbeoconcha	Pleuroceridae	<i>Semisulcospira libertina</i>	Semisulcospira libertina	23	0.013	Imago	—	—	—	N.D.	N.D.(4.2)	N.D.(4.1)	—	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Phoxinus lagowskii steindachneri</i>	Amur Minnow	13	0.045	Mature fish (1-year-old)	—	—	—	N.D.	N.D.(1.8)	N.D.(2.2)	—	
				Vertebrata	Osteichthyes	Cypriniformes	Cobitidae	<i>Misgurnus anguillicaudatus</i>	Oriental weatherfish	29	0.084	Mature fish	—	—	—	1.9	N.D.(0.7)	1.9	—	
				Vertebrata	Osteichthyes	Perciformes	Gobiidae	<i>Gymnogobius ussuriensis</i>	Goby	4	0.011	Mature fish	—	—	—	25.2	7.2	18	—	
				Vertebrata	Amphibia	Anura	—	—	—	10	0.022	Tadpole	—	—	—	19.1	4.1	15	—	
				Vertebrata	Amphibia	Anura	Ranidae	<i>Glandirana rugosa</i>	Wrinkled Frog	9	0.074	Imago	—	—	—	1.7	N.D.(0.9)	1.7	—	
				Vertebrata	Amphibia	Anura	Ranidae	<i>Pelophylax porosus porosus</i>	Daruma pond frog	10	0.067	Imago	—	—	—	2.9	N.D.(1.6)	2.9	—	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius sp.</i>	<i>Carassius auratus langsdorfi</i>	11	0.066	Mature fish (1-year-old)	—	—	—	14.2	3.2	11	—	
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Carassius sp.</i>	<i>Carassius auratus langsdorfi</i>	5	2.0	Mature fish (4.8-year-old)	Empty stomach	Viscera removed	18.8	3.8	15	0.46		
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	12	1.7	Mature fish (2.3,4-year-old)	Obscure digesta	Viscera removed	50.9	9.9	41	—		
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Tribolodon hakonensis</i>	Japanese dace	88	2.2	Mature fish (1.2-year-old)	Obscure digesta	Viscera removed	26.7	5.7	21	0.25		
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Pseudogobio esocinus esocinus</i>	Pseudogobio esocinus	28	0.43	Mature fish (1.2-year-old)	Empty stomach	Viscera removed	12.3	2.3	10	—		
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	Hemibarbus barbus	1	0.16	Mature fish (2-year-old)	Obscure digesta	Viscera removed	31.5	6.5	25	—		
				Vertebrata	Osteichthyes	Cypriniformes	Cyprinidae	<i>Hemibarbus barbus</i>	Hemibarbus barbus	4	3.7	Mature fish (4.5,6-year-old)	Obscure digesta	Viscera removed	34	7.0	27	0.44		
				Vertebrata	Osteichthyes	Perciformes	Centrarchidae	<i>Micropterus dolomieu dolomieu</i>	Small mouth bass	2	1.7	Mature fish (2.3-year-old)	Empty stomach	Viscera removed	56	12	44	0.28		

*1: Organisms were collected in or around the targeted water areas.

*2: When multiple types of aquatic organisms were collected, a sample was prepared by mixing them.

*3: For a sample made of multiple types of aquatic organisms, the name of the dominant one largest in number is underlined.

*4: Basically, measurement was conducted for all organism samples. Viscera (stomach and bowels) were removed for the measurement when possible so that undigested food and sediments, etc. in the digestive system would be excluded.

*5: A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith

*6: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40µm-mesh)

*7: 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.

*8: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

*9: Activity concentrations include counting errors, but the details are omitted here.

Results of Radionuclide Analysis of Aquatic Organisms, Radioactive Material Monitoring in the Water Environment (2015 June-July Survey)

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	-	2015/6/23	Arthropod	Malacostraca	Decapoda	Portunidae	<i>Portunus trituberculatus</i>	Japanese blue crab	4	1.2	Imago	-	-	0.35	N.D.(0.3)	0.35	-		
			Vertebrata	Osteichthyes	Scorpaeniformes	Scorpaenidae	<i>Schabtes cheni</i>	Rockfish	1	0.050	Mature fish (2-year-old)	Shrimp	Viscera removed	1.2	N.D.(1.7)	1.2	-		
			Vertebrata	Osteichthyes	Pleuronectiformes	Paralichthyidae	<i>Paralichthys olivaceus</i>	Bastard halibut	2	2.7	Mature fish (2-year-old)	Anchovy	Viscera removed	1.3	0.32	0.98	E.D.(0.016)		
			Vertebrata	Osteichthyes	Perciformes	Carangidae	<i>Seriola quinqueradiata</i>	Japanese amberjack	1	3.0	Mature fish	Anchovy	Viscera removed	0.68	N.D.(0.3)	0.68	E.D.(0.021)		
			Vertebrata	Osteichthyes	Sciaenidae	Sciaenidae	<i>Nibea mitsukurii</i>	Nibe croaker	9	2.7	Mature fish(5,6,8-year-old)	Obscure digesta	Viscera removed	1.33	0.33	1.0	0.077		
			Vertebrata	Osteichthyes	Tetraodontiformes	Tetraodontidae	<i>Takifugu nardalis</i>	Panther puffer	8	2.5	Mature fish	Empty stomach	Viscera removed	0.66	N.D.(0.3)	0.66	0.048		
			Vertebrata	Osteichthyes	Zeiformes	Zeidae	<i>Zeus faber</i>	John dory	4	2.6	Mature fish	Sardines	Viscera removed	0.41	N.D.(0.4)	0.41	E.D.(0.021)		
Off Soma City	L-1 L-2 L-3 Matsukawaaura	2015/6/22	Phycophyta					Plankton (Planktonic algae)	-	0.003	-	-	-	34	N.D.(9.0)	34	-		
			Chlorophyta	Ulvothraceae	Ulvales	Ulvacaceae	<i>Ulva pertusa</i>	Ulva pertusa	-	0.17	-	-	-	-	3.9	2.1	6.8	-	
			Amnionopneumae	Monocotyledoneae	Naiadales	Zosteraceae	<i>Zostera marina</i>	Sea grass	-	0.27	-	-	-	-	0.47	N.D.(0.4)	0.47	-	
			Mollusca	Bivalvia	Ostreoida	Ostreidae	<i>Crassostrea gigas</i>	Oyster	22	0.56	-	-	-	Molluscan body	2.03	0.53	1.5	-	
			Mollusca	Bivalvia	Veneroida	Veneridae	<i>Ruditapes philippinarum</i>	Japanese littleneck	53	0.49	Imago	-	-	Molluscan body	0.80	N.D.(0.4)	0.80	-	
			Arthropod	Malacostraca	Decapoda	Palaemonidae		Palaemon	19	0.011	Imago	-	-	-	N.D.	N.D.(4.5)	N.D.(3.6)	-	
			Arthropod	Malacostraca	Decapoda	Portunidae		<i>Portunus trituberculatus</i>	Japanese blue crab	3	0.05	Imago	-	-	-	N.D.	N.D.(1.5)	N.D.(1.2)	-
			Arthropod	Malacostraca	Decapoda	Variidae		<i>Hemigrapsus</i>	Fat greenling	75	0.21	Imago	-	-	-	3.66	0.86	2.8	-
			Vertebrata	Osteichthyes	Scorpaeniformes	Hexagrammidae		<i>Hexagrammos otakii</i>	Fat greenling	1	0.23	Mature fish (3-year-old)	Shore crab	Viscera removed	2.09	0.39	1.7	-	
			Vertebrata	Osteichthyes	Scorpaeniformes	Scorpaenidae		<i>Schabtes cheni</i>	Rockfish	1	0.059	Mature fish (2-year-old)	Obscure digesta	Viscera removed	N.D.	N.D.(0.8)	N.D.(0.7)	-	
			Vertebrata	Osteichthyes	Scorpaeniformes	Platycephalidae		<i>Platycephalus sp.2</i>	Flathead	1	0.013	Mature fish (1-year-old)	Empty stomach	Viscera removed	N.D.	N.D.(2.7)	N.D.(2.4)	-	
			Vertebrata	Osteichthyes	Pleuronectiformes	Pleuronectidae			Immature fish (under 1-year old)	2	0.0095	Immature fish (under 1-year old)	-	-	-	3.7	N.D.(3.8)	3.7	-
			Vertebrata	Osteichthyes	Muuliformes	Muulidae		<i>Muul cephalus cephalus</i>	Flathead mullet	97	0.28	Immature fish (under 1-year old)	-	-	-	3.52	0.62	2.7	-
			Vertebrata	Osteichthyes	Perciformes	Gobiidae		<i>Gymnocheilus breunigii</i>	Chestnut soby	26	0.052	Mature fish	-	-	-	N.D.	N.D.(1.2)	N.D.(1.1)	-
			Vertebrata	Osteichthyes	Clupeiformes	Clupeidae		<i>Sardinella sanata</i>	Japanese shad	2	0.046	Mature fish(1,4-year-old)	Empty stomach	Viscera removed	1.8	N.D.(1.5)	1.8	-	
			Vertebrata	Osteichthyes	Tetraodontiformes	Tetraodontidae		<i>Takifugu niphobles</i>	Kusafugu	3	0.16	Mature fish	Empty stomach	Viscera removed	2.58	0.48	2.1	-	
			Off Wada City	M-1 M-2 M-3 Offshore of Hisanohama	2015/6/26	Echinoderm	Echinoidea	Echinoda	Phymosomatidae	<i>Glyptocidaris crenularis</i>	Sea urchin	12	0.48	Imago	-	-	3.13	0.53	2.6
Vertebrata	Osteichthyes	Lophiiformes				Lophiidae		<i>Lophiomus setigerus</i>	Monkfish	2	2.5	Mature fish	Searobin (2 individuals)	Viscera removed	0.48	N.D.(0.4)	0.48	-	
Vertebrata	Osteichthyes	Triplidae					<i>Cheilodactylus spinosus</i>	Gurnard	1	0.27	Mature fish (3-year-old)	Empty stomach	Viscera removed	1.82	0.42	1.4	-		
Vertebrata	Osteichthyes	Scorpaeniformes				Hexagrammidae		<i>Hexagrammos otakii</i>	Fat greenling	3	1.7	Mature fish (3-year-old)	Shrimp	Viscera removed	3.12	0.62	2.5	-	
Vertebrata	Osteichthyes	Pleuronectiformes				Pleuronectiformes		<i>Pleuronichthys japonicus</i>	Finespotted flounder	7	1.4	Mature fish (3-year-old)	Obscure digesta	Viscera removed	10.2	2.2	8.0	-	
Vertebrata	Osteichthyes	Pleuronectiformes				Pleuronectiformes		<i>Microstomus achnie</i>	Ribeye flounder	3	2.0	Mature fish(5-year-old)	-	-	-	11.9	2.4	9.5	-
Vertebrata	Osteichthyes	Pleuronectiformes				Pleuronectiformes		<i>Parus bicoloratus</i>	Stone flounder	4	2.3	Mature fish(3,4-year-old)	Shell	Viscera removed	3.68	0.58	3.1	0.026	
Vertebrata	Osteichthyes	Pleuronectiformes				Pleuronectiformes		<i>Pleuronectes yokohamae</i>	Marbled sole	8	4.5	Mature fish(4,5-year-old)	Obscure digesta	Viscera removed	10	2.1	7.9	0.084	
Vertebrata	Osteichthyes	Pleuronectiformes				Pleuronectiformes		<i>Eopsetta grigorjovi</i>	Shotted halibut	3	1.0	Mature fish (3-year-old)	Shrimp	Viscera removed	2.0	N.D.(0.5)	2.0	-	
Vertebrata	Osteichthyes	Pleuronectiformes				Paralichthyidae		<i>Paralichthys olivaceus</i>	Bastard halibut	2	3.5	Mature fish(4-year-old)	Empty stomach	Viscera removed	2.2	0.60	1.6	0.032	
Vertebrata	Osteichthyes	Perciformes				Triplidae		<i>Lemdotrigla microronera</i>	Searobin	3	0.67	Mature fish(4-year-old)	Amphipod	Viscera removed	0.97	N.D.(0.3)	0.97	-	
Vertebrata	Osteichthyes	Perciformes				Sparidae		<i>Eymnis japonica</i>	Crimson sea-bream	3	1.4	Mature fish (6-year-old)	Crabs	Viscera removed	1.41	0.47	0.94	-	
Vertebrata	Osteichthyes	Tetraodontiformes				Tetraodontidae		<i>Takifugu poecilognathus</i>	Pufferfish	3	0.77	Mature fish	-	-	-	3.53	0.73	2.8	-
Vertebrata	Osteichthyes	Zeiformes		Zeidae		<i>Zenopsis nebulosa</i>	Dory	3	0.11	Mature fish	-	-	-	N.D.	N.D.(0.8)	N.D.(0.7)	-		
Vertebrata	Osteichthyes	Zeiformes		Zeidae		<i>Zeus faber</i>	John dory	5	3.6	Mature fish	-	-	-	0.70	N.D.(0.3)	0.70	E.D.(0.018)		
Vertebrata	Chondrichthyes	Raiiformes		Raididae		<i>Okamei kenoei</i>	Skate	5	4.3	Mature fish	-	-	-	10.7	2.0	8.7	0.14		
Vertebrata	Chondrichthyes	Heterodontiformes		Heterodontidae		<i>Heterodontus japonicus</i>	Japanese bullhead shark	5	1.6	Mature fish	-	-	-	1.63	0.33	1.3	-		
Phaeophyta	Phaeophyceae	Laminariales		Laminariaceae		<i>Saccharina japonica</i>	Japanese tanle	-	0.25	-	-	-	-	N.D.	N.D.(0.4)	N.D.(0.4)	-		
Mollusca	Gastropoda	Archaeogastropoda		Halitotia asinaria			abalone	4	0.61	Imago	-	-	-	0.66	N.D.(0.4)	0.66	-		
Echinoderm	Echinoidea	Echinoda		Strongylocentrotidae		<i>Strongylocentrotus nudus</i>	Northern sea urchin	14	1.3	Imago	-	-	-	2.9	0.70	2.2	-		

*1: Organisms were collected in or around the targeted water areas.

*2: When multiple types of aquatic organisms were collected, a sample was prepared by mixing them.

*3: For a sample made of multiple types of aquatic organisms, the name of the dominant one largest in number is underlined.

*4: Basically, measurement was conducted for all organism samples. Viscera (stomach and bowels) were removed for the measurement when possible so that undigested food and sediments, etc. in the digestive system would be excluded.

*5: A statement in red in the "Growth stage" column shows the age assessed based on squama or otolith

*6: Plankton (suspended algae) is the residue remaining after the filtration of lake water or seawater with a plankton net (40µm-mesh).

*7: River bottom materials (incl. algae, etc. that were scratched off stones with a brush, etc. and may include very fine particles such as inorganic silt and clay.

*8: N.D. means to be below the detection limit and figures in parentheses show the detection limit.

*9: Activity concentrations include counting errors, but the details are omitted here.