

Supplementary Material

Combined Effects of Summer Water Temperature and Current Velocity on the Distribution of a Cold-Water-Adapted Sculpin (*Cottus nozawae*)

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Supplementary S1

Information of the abundance of *C. nozawae* in the three study catchments.

River	Site	Abundance of <i>C. nozawae</i>		Sampling Area (m2)
		1 pass	2 pass	
Chitose	B3	1	NA	1325.0
Chitose	I4	0	NA	265.0
Chitose	K4	0	NA	680.0
Chitose	Ma1	0	NA	512.0
Chitose	Mo1	1	NA	799.0
Chitose	Mu1	10	NA	339.0
Chitose	O3	10	NA	349.0
Chitose	S1	7	NA	382.0
Chitose	Sh3	0	NA	398.0
Chitose	W2	0	NA	419.0
Sorachi	p1_down	72	44	135.66
Sorachi	p1_up	54	35	93.6
Sorachi	p4_down	31	15	98.748
Sorachi	p5_up	33	14	49.17
Sorachi	p7_up	18	12	58.29
Sorachi	p11_up	31	11	46.472
Sorachi	p12_down	14	6	106.684
Sorachi	p12_up	17	10	107.83
Sorachi	p14_down	66	30	91.932
Sorachi	p14_up	90	41	104.864
Sorachi	p101_down	9	4	84.66
Sorachi	p101_up	8	3	79.05
Sorachi	p102_down	55	21	48.776
Sorachi	p103_down	31	20	102.258
Sorachi	p103_up	38	22	119.68
Sorachi	p105_down	25	13	115
Sorachi	p105_up	35	12	72.96
Sorachi	p107_down	0	2	50.49
Sorachi	p109_down	6	5	61.74
Sorachi	p109_up	17	7	89.76
Sorachi	p111_down	6	6	67.13
Sorachi	p112_up	0	0	55.892
Sorachi	p113_down	1	1	73.08
Sorachi	p114_up	2	0	30.48
Sorachi	p115_up	36	8	71.904
Sorachi	p116_down	3	2	39.516
Sorachi	p117_up	0	0	49.022
Tokachi	memuro3.1	26	NA	1000.0
Tokachi	obihiro3.1	0	NA	770.0
Tokachi	otofuke3.1	103	NA	1150.0
Tokachi	sahoro1.2	24	NA	270.0
Tokachi	sahoro1.5	70	NA	470.0
Tokachi	sahoro3.1	46	NA	670.0
Tokachi	sahoro3.2	23	NA	1290.0
Tokachi	sarubetsu1.2	0	NA	250.0
Tokachi	sarubetsu3.1	4	NA	730.0
Tokachi	satsunai2.2	26	NA	270.0
Tokachi	shikaribetsu1.2	0	NA	80.0
Tokachi	shikaribetsu2.1	38	NA	240.0
Tokachi	shikaribetsu2.2	44	NA	350.0
Tokachi	tobetsu2.1	0	NA	350.0
Tokachi	tokachi1.1	1	NA	430.0
Tokachi	toshibetsu 1.1	92	NA	170.0
Tokachi	toshibetsu 1.3	5	NA	180.0
Tokachi	toshibetsu 1.4	11	NA	120.0
Tokachi	toshibetsu2.1	0	NA	320.0
Tokachi	toshibetsu3.1	0	NA	1030.0