

Table S1. Biomass of the dominant mesozooplankton species (mg DW m⁻³) along the transect in July 2019

	Station											
Species	6254	6248	6249	6250	6246	6256	6244	6242	6242 2	6241	6241 2	6240
<i>Calanus glacialis</i>	-	-	-	-	-	-	0.32	6.08	8.00	2.40	8.32	0.00
<i>Pseudocalanus spp.</i>	-	0.08	0.05	8.00	4.48	10.00	5.44	6.72	8.16	0.96	3.04	2.72
<i>Limnocalanus macrurus</i>	2.72	0.32	1.80	0.96	0.96	11.00	19.04	4.00	2.56	0.32	1.44	0.00
<i>Senecella siberica</i>	0.80	0.21	0.24	7.84	3.52	-	0.00	-	-	-	-	-
<i>Jashnovia tolli</i>	0.03	0.38	0.21	5.30	3.20	2.00	1.12	-	-	-	-	-
<i>Drepanopus bungei</i>	-	-	-	13.60	8.00	2.00	-	-	-	-	-	-
<i>Cyclops spp.</i>	0.64	0.48	0.16	-	0.00	-	-	-	-	-	-	-
<i>Parasagitta elegans</i>	-	0.48	0.00	-	0.00	-	0.42	0.63	1.05	0.45	2.43	0.84
Others	0.27	0.29	0.90	1.00	0.50	1.00	8.48	2.72	2.24	1.92	1.60	3.04
Total	4.46	2.24	3.36	36.16	20.48	28.00	34.82	20.15	22.01	6.05	16.83	7.08

Table S2. Abundance of the dominant zooplankton species (ind m⁻³) along the transect in July 2019

Species	Station											
	6254	6248	6249	6250	6246	6256	6244	6242	6242 2	6241	6241 2	6240
<i>Calanus glacialis</i>	1	1	1	1	1	20	25	97	130	41	139	2
<i>Pseudocalanus</i> spp.	1	18	22	3010	1100	2958	1404	2497	2639	589	1716	585
<i>Limnocalanus macrurus</i>	204	18	74	15	33	150	474	246	47	25	22	2
<i>Senecella siberica</i>	49	27	14	1402	414	1	1	1	1	1	1	1
<i>Jashnovia tolli</i>	30	290	47	530	212	150	437	13	14	1	1	47
<i>Drepanopus bungei</i>	4	57	34	2820	1132	228	189	6	28	2	1	1
<i>Cyclops</i> spp.	40	27	9	4	1	1	1	1	1	1	1	1
<i>Parasagitta elegans</i>	1	1	1	1	1	20	17	198	169	212	452	46

Table S3. Demographic structure (abundance of different copepodite stages, ind m⁻³) of populations of the dominant zooplankton species along the transect in July 2019.

Species, developmental stage	Station									
	6254	6249	6250	6246	6256	6244	6242	6242_2	6241	6240
<i>Limnocalanus macrurus</i> CI	143	49	89	-	8	44	66	3	10	26
<i>L.macurus</i> CII	31	4	14	-	22	47	86	3	7	33
<i>L.macurus</i> CIII	18	4	1	-	22	109	41	7	6	37
<i>L.macurus</i> CIV	11	5	11	-	28	122	34	10	2	39
<i>L.macurus</i> CV	1	10	13	-	60	135	17	21		58
<i>L.macurus</i> fem	-	1	-	-	19	6	-	-	-	13
<i>L.macurus</i> male	-	1	-	-	18	11	-	-	-	15
<i>Senecella siberica</i> CI	7	121	242	26	17	36	-	-	-	-
<i>S.siberica</i> CII	14	226	511	31	43	47	-	-	-	-
<i>S.siberica</i> CIII	28	66	143	75	62	75	-	-	-	-
<i>S.siberica</i> CIV	1	1	1	80	29	276	-	-	-	-
<i>S.siberica</i> CV	-	-	-	-	1		-	-	-	-
<i>Jashnovia tolli</i> CI	7	5	35	26	-	36	-	-	-	-
<i>J.tolli</i> CII	14	5	65	31	-	47	-	-	-	-

<i>J.tolli</i> CIII	28	6	160	75	-	75	-	-	-	-
<i>J.tolli</i> CIV	1	31	94	80	-	276	-	-	-	-
<i>J.tolli</i> CV	-	-	2	-	-	-				-
<i>Calanus glacialis</i> CI	-	-	-	-	-	-	18	21	11	-
<i>C.glacialis</i> CII	-	-	-	-	-	-	35	55	14	-
<i>C.glacialis</i> CIII	-	-	-	-	-	-	32	33	8	-
<i>C.glacialis</i> CIV	-	-	-	-	-	-	20	17	8	-
<i>C.glacialis</i> CV	-	-	-	-	-	-	1	3		-
<i>C.glacialis</i> fem	-	-	-	-	-	-		1		-