

The influence of nonnative earthworms (Annelida: Crassiclitellata: Lumbricidae) on oribatid mite communities in a boreal forest stand

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Supplementary material, Table S1. Analysis of variance of oribatid mite diversity indices, forest floor physicochemical parameters, and understorey vegetation richness, with earthworm density as factor and subplot as block, when appropriate

		<i>Df</i>	Sum sq.	<i>F</i> -value	<i>P</i> -value
Oribatid mite abundance	Earthworm density	1	273	2.40	0.130
	Block	6	416	0.60	0.720
	Residuals	55	6228		
Oribatid mite richness	Earthworm density	1	59	12.90	< 0.001
	Block	6	15	0.54	0.780
	Residuals	55	253		
pH	Earthworm density	1	0.2	3.70	0.060
	Block	6	0.7	2.40	< 0.050
	Residuals	55	2.7		
Total organic carbon	Earthworm density	1	0.04	75.80	< 0.001
	Block	6	0.01	2.00	0.080
	Residuals	55	0.03		
Total nitrogen	Earthworm density	1	17.8	84.30	< 0.001
	Block	6	2.7	2.10	0.060
	Residuals	55	11.6		
Carbon:nitrogen ratio	Earthworm density	1	30.3	13.00	< 0.001
	Block	6	33.2	2.40	< 0.050
	Residuals	55	127.9		
Bulk density	Earthworm density	1	0.04	10.50	< 0.050
	Residuals	6	0.02		
Moisture content	Earthworm density	1	6205	4.90	0.070
	Residuals	6	7618		
Forest floor thickness	Earthworm density	1	11.9	7.60	< 0.050
	Residuals	6	9.4		
Understorey vegetation richness	Earthworm density	1	40.5	10.30	< 0.050
	Residuals	6	23.5		

Supplementary material, Table S2. Results of the permutational analysis of variance for oribatid mite assemblages in low and high earthworm density plots, with subplot as blocking factor

	<i>df</i>	Sum sq.	<i>R</i> ²	<i>F</i> -value	<i>P</i> -value
Earthworm density	1	0.78	0.08	5.6	< 0.001
Block	6	1.27	0.13	1.5	< 0.050
Residual	55	7.65	0.79		
Total	62	9.71	1.00		