

Ecography

**ECOG-03362**

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**Supplementary material**

## Appendix 1

**Table A1.** The numbers of investigated American mink each year, taking into account the locality, sex and age of the animals.

Year of samples collection	F_juv	F_ad	M_juv	M_ad	Total
<b>Narew National Park</b>					
2009	0	3	1	0	4
2010	1	0	3	3	7
2011	10	6	12	4	32
2012	22	11	20	7	60
2013	3	8	11	5	27
2014	1	0	3	0	4
<b>Biebrza National Park</b>					
2005	0	1	0	0	1
2009	2	2	5	4	13
2010	4	1	3	0	8
2011	3	1	3	1	8
2012	0	0	3	1	4
2013	0	5	6	7	18
2014	2	1	1	0	4
<b>Vistula River</b>					
2011	3	2	7	7	18
<b>Słowiński National Park</b>					
2011	2	0	13	0	15
2012	4	3	2	7	16
2013	2	1	3	3	9
<b>Drawa National Park</b>					
2010	2	1	1	1	5
2011	6	5	7	9	27
2012	5	2	4	1	12
2013	0	2	1	3	6
<b>Warta Mouth National Park</b>					
2007	0	0	3	0	3
2008	1	0	0	0	1
2010	0	0	1	0	1
2011	14	4	19	5	42
2012	23	13	26	13	75
2013	4	6	14	6	30
2014	1	1	8	1	11

F\_juv - juvenile females; F\_ad - adult females; M\_juv - juvenile males; M\_ad - adult males

**Table A2.** Prevalence, mean infection intensity and mean abundance of nematodes and trematodes in American mink from six study sites in Poland (N = 461).

Study site (year of colonisation)	N	Prevalence (%)		Mean infection intensity ± SE (range)		Mean abundance ± SE	
		Nematodes	Trematodes	Nematodes	Trematodes	Nematodes	Trematodes
NNP (1980)	134	64.2	91.8	52.6 ± 13.1 (1 – 1090)	90.7 ± 10.5 (1 – 717)	33.8 ± 8.7	83.3 ± 9.9
BNP (1980)	56	69.6	69.6	104.4 ± 26.3 (1 – 817)	73.9 ± 19.8 (1 – 440)	72.7 ± 19.4	51.5 ± 14.5
VR (1995)	18	66.7	100	35.1 ± 21.3 (2 – 268)	32.9 ± 7.4 (1 – 102)	23.4 ± 14.5	32.9 ± 7.4
SNP (1985)	40	62.5	97.5	104.4 ± 40.4 (1 – 1001)	81.1 ± 19.8 (1 – 689)	66.1 ± 25.7	79.1 ± 19.4
DNP (1990)	50	76.0	88.0	78.1 ± 29.6 (1 – 1110)	20.9 ± 3.9 (1 – 142)	59.3 ± 22.9	18.4 ± 3.5
WMNP (1985)	163	69.3	93.3	33.2 ± 4.4 (1 – 232)	53.4 ± 5.1 (1 – 295)	23.0 ± 3.3	49.8 ± 4.9
Total	461	67.9	90.0	58.5 ± 7.1 (1 – 1110)	64.7 ± 4.7 (1 – 717)	39.7 ± 5.0	58.2 ± 4.3

NNP – Narew National Park, BNP – Biebrza National Park, VR – Vistula River, SNP – Słowiński National Park, DNP – Drawa National Park, WMNP – Warta Mouth National Park.

Mean infection intensity – the mean number of parasites per mink, excluding uninfected mink; Mean abundance – the mean number of parasites per mink, including uninfected mink

**Table A3.** Number of specimens and proportion of parasites located in different parts of the alimentary tract of American mink (N = 461).

Parasites	Number of parasites specimens (%)				
	ST	D	SI	LI	Total
Nematodes	18,002 (98.3)	126 (0.7)	157 (0.9)	21 (0.1)	18,306 (100)
Trematodes	574 (2.1)	5,607 (20.9)	20,530 (76.6)	118 (0.4)	26,829 (100)
Cestodes	0	0	40 (93.0)	3 (7.0)	43 (100)
Total	18,576 (41.1)	5,733 (12.7)	20,727 (45.9)	142 (0.3)	45,178 (100)
Parasites/mink	40.3	12.4	45.0	0.3	98.0

ST –stomach; D – duodenum; SI – small intestine; LI – large intestine;

**Figure A1.** Relation between number of nematodes and number of trematodes in American mink

