

Summary Table 1. Parasite infrapopulations from Muskingum Brook (MB); mean abundance (\pm SD), total number of worms, and prevalence of infection with each parasite. Column labels represent the following fish species: ANE= brown bullhead, ASA= pirate perch, EFU= swamp darter, ENI= chain pickerel, ENO= banded sunfish, ERO= creek chubsucker, LGI= pumpkinseed sunfish, NCR= golden shiner, and UPY= E. mudminnow.

	ANE	ASA	EFU	ENI	ENO	ERO	LGI	NCR	UPY
Acanthocephala									
<i>Acanthocephalus</i> sp.	1(0),1 100%	3(4),125 62%	1(1),8 60%	-	0.1(0.3),4 14%	-	-	-	0.3(1),7 20%
<i>Fessisentis</i> sp.	1(0),1 100%	1(1),33 41%	-	0.3(1),1 33%	0.1(0.3),4 14%	-	0.5(1.0),2 25%	-	0.2(0.4),6 24%
<i>Neoechinorhyncus</i> sp.	-	-	-	-	-	0.5(1),28 32%	-	-	-
Digenea									
<i>Phyllodistomum</i> sp.	1(0),1 100%	3(2),104 80%	-	-	-	-	-	-	1(1),14 40%
<i>Crepidostomum</i> sp.	-	4(7),176 67%	-	-	0.1(0.4),2 3%	-	-	-	0.1(0.3),2 8%
<i>Macroderoides</i> sp.	-	-	-	-	-	1(1),43 49%	-	-	-
<i>Posthodiplostomum</i> sp.	-	-	-	-	-	-	23(35),92 100%	-	-
<i>Neascus</i> spp.	-	-	0.2(1),2 10%	-	-	-	-	-	-
Nematoda									
Nematode 1.	-	8(6),299 92%	1(2),10 40%	-	2(2),45 62%	0.5(1.0),29 27%	3(4),14 50%	-	0.4(1),11 24%
Nematode2	1(0),1 100%	0.02(0.2),1 3%	0.2(0.4),2 20%	-	0.4(0.5),13 45%	0.3(0.5),19 32%	1(0),4 100%	0.3(1),1 33%	0.4(0.5),9 36%
Cestoda									
<i>Janiszewskella</i> sp.	-	-	-	-	-	0.5(1),27 34%	-	-	-

Summary Table 2. Parasite infrapopulations from Great Swamp Branch (GS); mean abundance (\pm SD), total number of worms, and prevalence of infection with each parasite. Column labels are as in Table 3, additional fish species are: ANA= yellow bullhead, APO= mud sunfish, ARO= American eel, ECH= blackbanded sunfish, EGL= blue spotted sunfish, LMA= bluegill sunfish, and MSA= largemouth.

	ANA	APO	ARO	ASA	ECH	EGL	ENI	ENO	ERO	LGI	LMA	MSA	UPY
Acanthocephala													
<i>Acanthocephalus</i> sp.	-	-	-	-	-	-	-	0.2(0.4),2 18%	-	0.1(0.3),1 8%	-	1(0),1 100%	-
<i>Fessisentis</i> sp.	-	-	0.3(1),1 33%	-	-	-	-	-	0.3(1),6 17%	-	-	2 \pm 0	-
<i>Neoechinorhyncus</i> sp.	-	-	-	-	-	-	-	0.1(0.3),1 9%	0.1(0.3),3 13%	-	-	-	-
Digenea													
<i>Phyllodistomum</i> sp.	-	4(2),13 100%	-	3(2),32 90%	-	4(9),22 40%	-	1(2),12 36%	-	-	-	-	1(2),17 64%
<i>Crepidostomum</i> sp.	-	-	-	2(1),15 70%	-	3(7),16 20%	-	-	0.04(0.20),1 4%	-	-	-	0.3(1),3 18%
<i>Bunodera</i> sp.	-	-	-	-	-	-	0.3(0.5),2 28%	-	-	-	-	-	-
<i>Pisciamphistoma</i> sp.	-	0.3(1),1 33%	-	-	-	-	-	-	-	0.2(0.4),3 23%	-	-	-
<i>Posthodiplostomum</i> sp.	-	26(30),78 100%	-	-	-	-	-	1(2),7 18%	-	13(9),169 85%	8(4),32 100%	12(0),12 100%	-
<i>Neascus</i> sp.	-	-	-	-	-	-	-	-	1(1),21 43%	0.1(0.5),2 8%	-	-	-
<i>Clinostomum</i> sp.	-	10(15),31 67%	-	-	1(1),3 67%	5(9),21 20%	0.3(1),2 14%	-	-	0.4(1),5 31%	-	-	-
Nematoda													
<i>Rhapidascaris</i> sp.	-	-	-	-	-	-	-	-	-	-	-	1(0),1 100%	-
Nematode 1.	-	2(4),7 33%	-	19(12),187 100%	1(1),2 67%	4(6),19 100%	0.3(0.5),2 29%	2(3),20 45%	1(2),22 26%	0.5(1),7 31%	4(7),17 50%	-	2(2),25 64%
Nematode2	1(0),1 100%	1(1),2 67%	0.3(1),1 33%	0.4(0.5),4 40%	1(1),2 67%	1(0),5 100%	0.4(0.5),3 43%	1(0.5),8 73%	0.5(0.5),12 52%	1(0.3),12 92%	1(0),4 100%	-	1(0.5),7 64%
Cestoda													
Pseudophyllidea	-	-	-	0.3(1),3 10%	-	-	-	0.2(0.4),2 18%	-	-	-	-	-
<i>Proteocephalus</i> sp.	-	-	-	-	-	-	0.3(1),2 14%	-	-	-	-	-	-
<i>Janiszwesella</i> sp.	-	-	-	-	-	-	-	-	1(2),20 26%	-	-	-	-

Summary Table 3. Parasite infrapopulations from Batsto River (BQ); mean abundance (\pm SD), total number of worms, and prevalence of infection with each parasite. Column labels are as in Tables 3 and 4, additional fish species is: EOLM= Tessellated darter.

	ASA	EFU	EGL	EOLM	UPY
Acanthocephala					
<i>Acanthocephalus</i> sp.	0.3(0.5),3 27%	-	-	-	-
<i>Fessisentis</i> sp.	0.1(0.3),1 9%	-	-	-	-
Digenea					
<i>Phyllodistomum</i> sp.	1(1),9 54%	-	0.5(1),6 42%	-	1(1),6 75%
<i>Crepidostomum</i> sp.	5(7),58 73%	7(5),108 93%	-	-	-
<i>Bunodera</i> sp.	-	-	-	-	0.2(0.5),1 25%
Nematoda					
Nemaode 1	0.1(0.3),1 9%	-	1(2),9 17%	-	-
<i>Gnathostoma</i> sp.	-	0.1(0.3),1 7%	-	-	-
Nematode 2	-	-	1(0.5)7 58%	-	-
Cestoda					
Pseudophyllidea	-	-	-	2(2),16 86%	-

Summary Table 4. Parasite infrapopulations from Wading River (WR); mean abundance (\pm SD), total number of worms, and prevalence of infection with each parasite. Column labels are as in Tables 3 and 4.

	ASA	ECH	EFU	ENO	UPY
Acanthocephala					
<i>Acanthocephalus</i> sp.	4(4),51 69%	-	0.4(0.5),5 36%	1(1),13 50%	-
<i>Fessisentis</i> sp.	0.5(1),6 15%	-	-	-	-
Digenea					
<i>Crepidostomum</i> sp.	1(2),8 23%	-	0.5(2),7 14%	-	-
<i>Posthodiplostomum</i> sp	-	-	2(6),22 7%	-	-
Nematoda					
<i>Rhapidascaris</i> sp.	4(8),49 54%	-	-	0.1(0.3),2 12%	-
Nematode 1	1(1),10 31%	0.3(1),5 17%	-	-	-
<i>Gnathostoma</i> sp.	-	-	0.1(0.3),1 7%	-	-
Nematode 2	-	0.1(0.3),1 8%	-	0.1(0.3),2 12%	-

Summary Table 5. Parasite infrapopulations from Skit Branch (SB); mean abundance (\pm SD), total number of worms, and prevalence of infection with each parasite. Column labels are as in Tables 3 and 4.

	ANA	APO	ASA	EFU	ENI	ENO	UPY
Acanthocephala							
<i>Acanthocephalus</i> sp.	-	-	-	0.1(0.3),2 7%	-	-	-
Digenea							
<i>Phyllodistomum</i> sp.	-	-	-	-	-	0.1(0.3),2 10%	-
<i>Crepidostomum</i> sp.	-	-	1(1),4 50%	3(5),77 37%	-	-	-
Nematoda							
<i>Rhapidascaris</i> sp.	-	-	-	-	1(0),1 100%	-	-
Nematode 1	-	1(0),1 100%	1(1),4 50%	-	1(0),1 100%	-	-
<i>Gnathostoma</i> sp.	-	-	-	0.2(0.5),5 15%	-	-	-
Nematode 2	-	-	0.2(0.5),1 25%	0.5(0.5),13 48%	-	1(0),20 100%	0.4(0.5),8 40%
Cestoda							
Pseudophyllidea	-	-	-	0.04(0.2),1 4%	-	-	-
<i>Proteocephalus</i> sp.	-	-	-	0.04(0.2),1 4%	-	-	-

Summary Table 6. Parasite infrapopulations from Tulpehocken Creek (TC); mean abundance (\pm SD), total number of worms, and prevalence of infection with each parasite. Column labels are as in Tables 3 and 4.

	ANA	ARO	ASA	EFU	ENI	ENO	ERO	UPY
Acanthocephala								
<i>Acanthocephalus</i> sp.	-	0.5(1),2 25%	4(4),11 100%	0.1(0.4),1 14%	-	0.4(1),7 16%	-	-
<i>Fessisentis</i> sp.	-	-	1(1),2 67%	-	-	-	-	-
Digenea								
<i>Phyllodistomum</i> sp.	-	-	-	-	-	0.1(0.5),2 6%	-	-
<i>Crepidostomum</i> sp.	-	-	0.3(1),1 33%	-	-	-	-	-
Nematoda								
Nematode 1	-	-	2(1),5 67%	-	-	1(1),12 42%	-	0.5(1),5 33%
<i>Gnathostoma</i> sp.	-	-	-	0.1(0.4),1 14%	-	-	-	-
Nematode 2	-	-	-	1(0.5),5 71%	0.3(1),1 33%	1(0.4),14 74%	1(0),3 100%	0.3(0.5),3 33%
Cestoda								
Pseudophyllidea	-	-	-	-	1(2),4 33%	-	-	-