

INSTITUTE FOR FISHERIES RESEARCH  
DIVISION OF FISHERIES  
MICHIGAN DEPARTMENT OF CONSERVATION  
COOPERATING WITH THE  
UNIVERSITY OF MICHIGAN

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ADDRESS  
UNIVERSITY MUSEUMS ANNEX  
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REPORT NO. 785

FISH PARASITES COLLECTED BY INSTITUTE FOR FISHERIES RESEARCH

SURVEY PARTIES DURING 1937, 1938, 1939, 1940.

by

Leonard N. Allison

Alpena Co.; Long Lake; 6/22/39; R 39 #5; s.m. bass; scale envelope R39-111.

18 Proteocephalus ambloplitis.

---; ---; ---; R 39 #6; walleyed pike; scale envelope R39-103.

Cancerous growth about 6 mm. in diameter just anterior  
to anus. No cause apparent.

Baraga Co.; Fence Lake; Coll. U.P. (Bud); 7/19/37; s.m. bass;

Proteocephalus ambloplitis, plerocercoid and adult.

Benzie Co.; Crystal Lake; D. Anderson; 6/21/40; parasite coll. L.P. 401;

perch gills; yellow fish card L.R. 4037.

40 Ergasilus versicolor.

---; Big Platte Lake; D. Anderson; 6/28/40; parasite coll. L.P. 402;

fish card L.P. 4042; Great northern pike.

9 Contracaecum brachyrurum, from lower intestine.

Branch Co.; Craig Lake; 7/28/37; A. nebulosus; urinary bladder.

Phyllodistomum staffordi.

---; Crooked Lake; 7/28/37; A. nebulosus; intestine.

Corallebothrium fimbriatum.

Cass Co.; Birch Lake; E. L. Cheatum; 7/6/37; Ambloplitis rupestris; gills.

200 Ergasilus sp.

---; ---; ---; 7/6/37; Micropterus dolomieu; Host #10.

Proteocephalus ambloplitis, plerocercoid.

---; ---; ---; 7/8/37; Ameiurus natalis; host #14.

15 Dichelyne robusta.

---; ---; ---; 7/8/37; Perca flavescens; host #12.

Proteocephalus sp.

---; ---; ---; 7/8/37; Perca flavescens; host #12,

intestine and mesenteries.

35 Proteocephalus ambloplitis, plerocercoid.

10 Dichelyne cotylophora.

---; ---; ---; 7/6/37; Micropterus dolomieu; host #10.

75 Ergasilus sp. on gills.

---; ---; ---; 7/8/37; Huro salmoides; host #15;

intestine and mesenteries.

7 larval acanthocephala.

7 adult acanthocephala, Neoechinorhynchus cylindratus.

---; ---; ---; 7/6/37; Micropterus dolomieu; host #10, ceca.

60 Camallanus oxycephalus.

---; ---; ---; 7/6/37; Micropterus dolomieu; host #10, intestine.

3 Proteocephalus ambloplitis.

---; ---; ---; 7/8/37; Graptemys geographica; host #13.

2 leeches.

Clare Co.; Budd Lake; 6/15/38; WCBl; Perca flavescens; mouth and musculature.

7 Clinostomum sp., metacercariae.

---; ---; 6/15/38; WCBl; Perca flavescens; peritoneal cavity.

1 Clinostomum sp., metacercaria.

1 Philometra cylindracea.

Clare Co.; Budd Lake; 6/15/38; WCB2; Lepomis gibbosus; musculature.

3 Strigeid metacercariae (black cysts).

---; ---; 6/15/38; WCB1; Perca flavescens; dorsal fin.

1 leech.

Calhoun Co.; Duck Lake; Ball SP38; Micropterus dolomieu; parasites from gonads.

20 Proteocephalus ambloplitis, plerocercoids.

Cole Co.; a pond; Robt. W. Irwin; Brook trout.

14 Salminicola edwardsii.

Grand Traverse Co.; Boardman Lake; 7/16/38; WCB40, RP 38-70; Ambloplitis rupestris.

50 Ergasilus sp. on gills.

150 Neascus sp. in liver.

Hillsdale Co.; Big Mosierville; E. L. Cheatum; 7/1/37; Helioperca incisor.

3 Neascus sp., metacercariae.

4 Proteocephalus ambloplitis, plerocercoids.

---; ---; ---; 7/1/37; Chaenobryttus gulosus, #9.

1 Spinetectus gracilis.

Ingham Co.; Lake Lansing; Ball; 8/10/38; SP 38; Lepomis gibbosus; liver, heart, kidney, gonad.

38 Neascus sp., metacercariae

14 Proteocephalus ambloplitis, plerocercoids.

---; ---; ---; 8/10/38; SP 38; Lepomis macrochirus; liver, heart, kidney, gonad.

10 Proteocephalus ambloplitis, plerocercoids.

8 Camallanus oxycephalus.

Keweenaw Co.; Lake Bailey; 8/13/38; WCB51; RP38-115; Esox lucius.

35 Proteocephalus pinguis.

---; ---; 8/13/38; WCB52; RP38-115; Perca flavescens.

30 nematode cysts on liver.

2 Crepidostomum cooperi, in alimentary tract.

Keweenaw Co.; Gratiot L.; 7/21/37; WCB40; RP38-73; Perca flavescens.

15 nematode cysts on liver.

20 Philometra cylindracea.

---; ---; 7/21/38; WCB41; RP38-74; Esox lucius.

12 Contracaecum brachyrurum.

---; ---; 7/21/38; WCB41; RP38-73; Esox lucius.

1 Proteocephalus pinguis.

11 Contracaecum brachyrurum.

---; Lake Fannie Hooe; 8/4/38; <sup>WCB47;</sup> RP38-93; Perca flavescens.

45 Proteocephalus ambloplitis, plerocercoids.

---; ---; 8/4/38; WCB46; RP38-93; Ambloplitis rupestris.

40 Proteocephalus ambloplitis.

---; ---; 8/5/38; WCB48; RP38-97; Micropterus dolomieu.

45 Proteocephalus ambloplitis, plerocercoid.

Menominee Co.; Bass Lake; 6/20/40; T35N, R28W, Sec. 19; Lepomis gibbosus, kidney.

75 Neascus sp., metacercariae. (U P 40-5) (Ser. 5)

---; ---; Lepomis gibbosus, intestine. (U P 40-5) (Ser. 1)

2 Leptorhynchoides thecatus.

---; ---; Lepomis gibbosus, liver; U.P. 40-5, Ser. 1.

50 Neascus sp., metacercariae.

---; ---; Lepomis gibbosus, intestine; U.P. 40-5, Ser. 5; 6/20/40.

4 Proteocephalus ambloplitis, adults.

---; Long Lake; Lepomis macrochirus; U.P. 40-4, Sec. 3; 6/19/40; liver, heart.

100 Neascus sp., metacercariae.

---; ---; B. P. Hunt; 6/23/40; U.P. 40-17, Sec. 2; Huro salmoides; liver.

15 Proteocephalus ambloplitis, plerocercoids.

Menominee Co.; Long Lake; B. P. Hunt; 6/19/40; U.P. 40-3, Sec. 3; Ambloplitis rupestris; liver.

50 Proteocephalus ambloplitis, plerocercoids.

---; ---; 6/20/40; U.P. 40-4, Sec. 2; Lepomis macrochirus, heart.

20 Neascus sp., metacercariae.

---; ---; B. P. Hunt; 6/23/40; U.P. 40-17, Sec. 2; Huro salmoides, intest.

20 Neoechinorhynchus cylindratus

1 Proteocephalus ambloplitis, adult.

---; ---; ---; 6/19/40; U.P. 40-2, Sec. 1; Perca flavescens, operculum.

11 Clinostomum sp., metacercariae.

Marquette Co.; Lake Michigamme; 8/23/38; WCB54; RP38-143; Perca flavescens

25 Proteocephalus ambloplitis, plerocercoids.

---; ---; 8/19/38; WCB53; RP38-123; Esox lucius.

34 Proteocephalus pinguis.

---; Twin Lake; B. P. Hunt; U.P. 40-89; Brook trout, intestine.

12 Abothrium crassum.

Mecosta Co.; Diamond Lake; D. Anderson; 7/16/40; L.P. 403; fish card L.P. 4070;

Lepomis macrochirus.

50 Neascus sp., metacercariae on fins.

---; ---; ---; 7/16/40; L.P. 404; fish card L.P. 4071;

Perca flavescens.

16 Neascus sp., metacercariae under scales on side.

1 Clinostomum sp., metacercariae under operculum.

---; Lost Lake; D. Anderson; L.P. 405; fish card L.P. 4077; Lepomis macrochirus.

20 Neascus sp., metacercariae on fins.

25 Gyrodactylus sp., on fins.

Mecosta County; Lost Lake; D. Anderson; L.P. 406; fish card L.P. 4077; Lepomis macrochirus.

No parasites in ovary.

55 Neascus sp., metacercariae in liver.

Mackinac Co.; Whitefish Lake; 9/8/37; Walleyed pike.

5 Bothriocephalus cuspidatus.

10 Proteocephalus sp.

1 Neoechinorhynchus cylindratus.

Ogemaw Co.; Ambrose Lake; 6/23/38; WCB11; RP38-26; Perca flavescens.

1 Clinostomum sp.

---; ---; 6/23/38; WCB13; R 38-27; Lepomis gibbosus.

4 Clinostomum sp.

---; Clear Lake; 6/17/38; R38-13; Perca flavescens.

18 nematode cysts on liver.

---; ---; 6/18/38; R38-15; Lepomis gibbosus.

18 larval acanthocephals

1 Contracaecum brachyrurum.

3 Proteocephalus ambloplitis.

---; ---; 6/18/38; R38-15; Perca flavescens;

4 Contracaecum brachyrurum.

8 Proteocephalus pearsei.

---; ---; 6/17/38; Huro salmoides.

35 hyaline cysts in liver, not identified.

---; Peach Lake; 6/29/38; WCB16; RP38-36; Ambloplitis rupestris.

75 Neascus sp., metacercariae on liver.

75 Ergasilus sp., on gills.

---; Clear Lake; 8/17/38; R38-14; Micropterus dolomieu.

10 acanthocephala

26 Proteocephalus ambloplitis, plerocercoids.

Ogemaw County; Clear Lake; 6/18/38; R38-15; Huro salmoides.

10 Proteocephalus ambloplitis, adults.

---; George Lake; 7/2/38; WCB27; RP38-42; Esox lucius.

4 Proteocephalus pinguis.

---; ---; 7/2/38; WCB25; RP38-43; Perca flavescens.

20 nematode cysts on liver.

---; ---; 7/2/38; WCB26; RP38-43; Lepomis macrochirus.

100 Neascus sp., metacercariae in liver.

6 Proteocephalus ambloplitis, plerocercoids.

---; Horseshoe Lake; 6/22/38; RP38-23; Lepomis gibbosus

6 Diplostomulum scheuringi, metacercariae in vitreous humor of eye.

35 Neascus sp., metacercariae in liver.

---; ---; 6/22/38; R38-23; Lepomis gibbosus.

12 Clinostomum sp., metacercariae.

---; Peach Lake; 6/29/38; WCB19-20; RP38-36 and 37; Esox lucius.

10 Proteocephalus pinguis.

---; ---; 6/29/38; WCB14; RP38-36; Stizostedion vitreum.

45 Neoechinorhynchus cylindratus

15 Bothriocephalus cuspidatus.

---; ---; 6/29/38; WCB17; RP38-36; Perca flavescens.

18 nematode cysts on liver.

---; ---; 6/29/38; WCB15; RP38-36; Stizostedion vitreum

35 Neoechinorhynchus cylindratus

12 Bothriocephalus cuspidatus

3 Dichelyne cotylophora

Ogemaw Co.; Peach Lake; 6/29/38; WCB18; RP38-37; Lepomis gibbosus.

60 Neascus sp., metacercariae in liver.

---; Rifle Lake; 7/7/38; WCB29; RP38-53; Esox lucius.

15 Proteocephalus pinguis.

---; ---; 7/7/38; WCB30; RP38-53; Huro salmoides.

50 Proteocephalus ambloplitis, plerocercoids.

---; ---; WCB31; RP38-54; Perca flavescens.

20 nematode cysts on liver.

2 Dichelyne cotylophora.

---; ---; 7/7/38; WCB34; RP38-54; Lepomis macrochirus.

100 Proteocephalus ambloplitis, plerocercoids.

Presque Isle Co.; Black Lake; 7/11/39; R39-1; Perca flavescens.

25 nematode cysts on liver.

---; Long Lake; 6/14/39; D. Anderson; RP39-4; scale envelope R39-41;

Esox lucius; coll. #9.

1 Contraeaecum brachyurum.

3 Proteocephalus pinguis.

Roscommon Co.; Higgins Lake; 8/9/39; R39-1; whitefish.

50 Proteocephalus sp., adults.

---; ---; 8/18/39; R39-3; refer to fish card R39123;

Micropterus dolomieu, intestine and ceca.

35 Neoechinorhynchus cylindratus.

---; ---; 8/18/39; R39-3; fish card R39123; Micropterus dolomieu.

40 Neoechinorhynchus cylindratus.

Schoolcraft Co.; Indian Lake; 6/18/37; coll. 3721; Esox vermiculatus and

Hyborhynchus notatus.

Negative.

---; ---; 6/19/37; S. vitreum.

35 Bothriocephalus cuspidatus.



10 Neoechinorhynchus cylindratus.

15 Proteocephalus sp.

Schoolcraft Co.; Indian Lake; 6/21/37; Coll. U.P. field #1; Esox lucius.

10 Neoechinorhynchus cylindratus.

20 Bothriocephalus cuspidatus.

---; ---; 6/26/37; Field #3749; Coll. U.P.; S. vitreum,  
urinary bladder.

Phyllodistomum superbum.

---; ---; 6/19/37; Catostomus c. commersonii.

Pomphorhynchus bulbocolli.

---; ---; 6/19/37; Esox lucius.

20 Neoechinorhynchus cylindratus.

40 Proteocephalus pinguis.

---; ---; 6/26/37; Field #3749; Coll. by U.P.; A. nebulosus,  
urinary bladder.

3 Phyllodistomum staffordi.

St. Joseph Co.; Miller Lake; Ball SWP '38; Lepomis macrochirus, cloaca.

9 Camallanus oxycephalus.

---; Minnewben Lake; Ball SWP '38; Huro salmoides.

10 Proteocephalus ambloplitis, plerocercoids and adults.

---; ---; Ball S-38; Bass #313.

10 Proteocephalus ambloplitis, plerocercoids.

---; Minnewauken Lake; Ball SWP '38.

4 Ligula sp. in bottle.

3 " from 1 Hyborhynchus notatus.

Washtenaw County; Whitmore Lake; 8/28/40; L.P. 40138; parasite coll. L.P. 4010

Lepomis macrochirus.

50 Neascus sp., metacercariae in liver etc.

Washtenaw Co.; Whitmore Lake; 8/28/40; L.P. 40138; parasite coll. L.P. 408;

Lepomis macrochirus.

75 Neascus sp., metacercariae in liver, etc.

Wexford Co.; Mitchell Lake; 6/26/40; bluegills reported dying by the hundreds.

22 small deposits of crystals of some salt in mesenteries.

4 Spinitectus gracilis in gut.

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Following collections poorly marked

#3

3 Ergasilus sp. on gills.

35 Proteocephalus ambloplitis, plerocercoids.

Silver Lake, Parasite coll. L.P. 4012; 8/29/40. Lepomis gibbosus.

100 Neascus sp., metacercariae in body cavity and organs.

Silver Lake, 8/29/40; Lepomis macrochirus.

20 Neascus sp., metacercariae.

Sucker, 8/18/37. No parasites found.

Crappie, 8/18/37. No parasites found.

Etc.

INSTITUTE FOR FISHERIES RESEARCH

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