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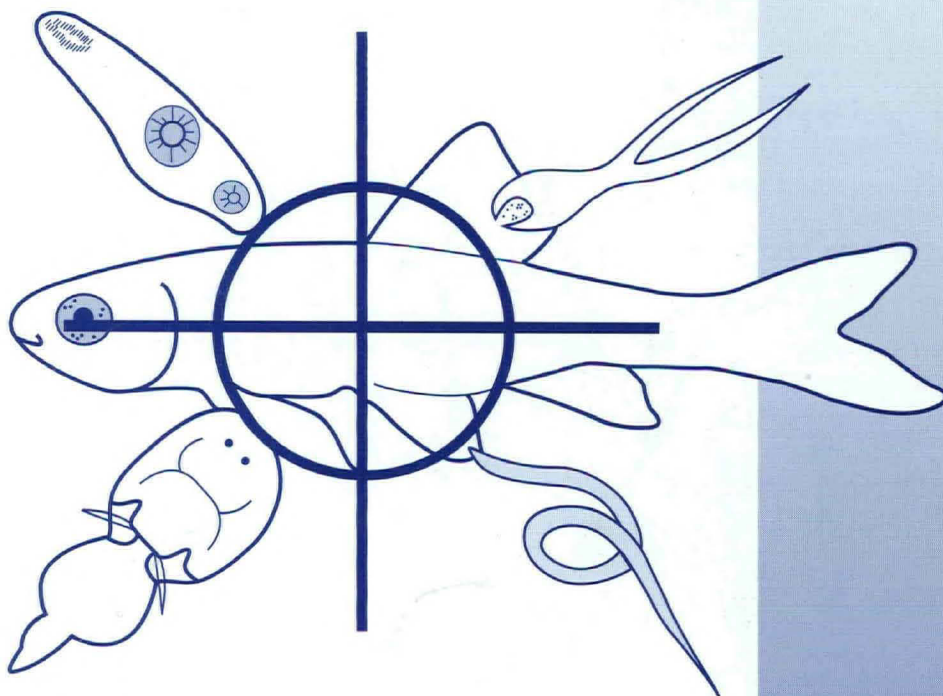
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Synopsis of the Parasites of Fishes of Canada: Supplement (1978-1993)

T.E. McDonald • L. Margolis



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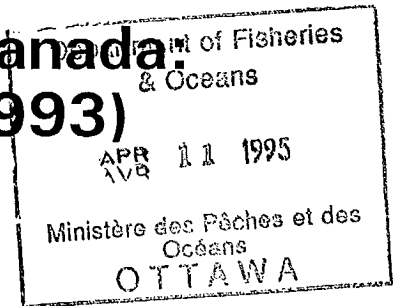
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**Synopsis of the
Parasites of Fishes of Canada
Supplement (1978-1993)**



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NATIONAL RESEARCH COUNCIL OF CANADA
Ottawa 1995

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Abstract

McDonald, T.E., and Margolis, L. 1995. Synopsis of the Parasites of Fishes of Canada: Supplement (1978–1993). Can. Spec. Publ. Fish. Aquat. Sci. 122: 265 p.

Information on the parasites of Canadian fishes published between the years 1978 and 1993, inclusive, is assembled as Parasite–Host and Host–Parasite lists. The 925 named species of parasites are distributed among higher taxa as follows: Apicomplexa - 34; Ciliophora - 20; Mastigophora - 16; Microspora - 9; Myxozoa - 122; Cnidaria - 2; Udonellidea - 1; Trematoda - 184; Monogenea - 183; Cestoda - 94; Nematoda - 76; Acanthocephala - 29; Annelida - 27; Mollusca - 4; Branchiura - 7; Copepoda - 112; Amphipoda - 3; and Isopoda - 2. Additionally, there are many records of parasites not identified to species level, including a genus of Rhizopoda and 2 genera of Acarina. Of the 1102 species of Canadian fishes listed by McAllister (1990), parasites are reported for 292 species, including 2 hybrid forms. This list includes 18 species of Apicomplexa, 12 species of Ciliophora, 6 species of Mastigophora, 3 species of Microspora, 73 species of Myxozoa, 2 species of Cnidaria, 62 species of Trematoda, 67 species of Monogenea, 25 species of Cestoda, 28 species of Nematoda, 6 species of Acanthocephala, 13 species of Annelida, 2 species of Mollusca, 1 species of Branchiura, 44 species of Copepoda, 3 species of Amphipoda, 1 species of Isopoda, and parasite records for 80 species of Canadian fishes not found in the *Synopsis of the Parasites of Fishes of Canada* by Margolis and Arthur (1979). The Parasite–Host list is organized on a taxonomic basis and identifies for each parasite species its habitat (freshwater, marine, or brackish), site of occurrence in its host(s), species of host(s), known geographic distribution within Canadian waters, and the published source of each host and locality record. The Host–Parasite list is organized according to the taxonomy of the hosts and is accompanied by data on the known Canadian distribution of the parasites. For both the Parasite–Host and Host–Parasite lists, a "Remarks" section containing explanatory comments concerning systematics, nomenclature, and notes on other specific items is included as warranted. In addition to listing the cited references, a supplementary list of references is included to cover other Canadian literature on fish parasites. The work concludes with an index to the parasites and an index to the hosts listed in this synopsis.

Résumé

L'information sur les parasites des poissons canadiens publiée de 1978 à 1993 est réunie sous forme de listes de parasites-hôtes et d'hôtes-parasites. Les 925 espèces de parasites identifiées se répartissent dans les grands taxons suivants : Apicomplexa (34 espèces), Ciliophora (20), Mastigophora (16), Microspora (9), Myxozoa (122), Cnidaria (2), Udonellidea (1), Trematoda (184), Monogenea (183), Cestoidea (94), Nematoda (76), Acanthocephala (29), Annelida (27), Mollusca (4), Branchiura (7), Copepoda (112), Amphipoda (3) et Isopoda (2). De plus, on compte de nombreux signalements de parasites dont l'identification n'a pas été poussée jusqu'à l'espèce, dont un genre de Rhizopoda et 2 genres d'Acarina. On signale la présence de parasites dans 292 - dont deux formes hybrides - des 1 102 espèces de poissons du Canada énumérées par McAllister (1990). Cette liste comprends les espèces suivants: Apicomplexa (18), Ciliophora (12), Mastigophora (6), Microspora (3), Myxozoa (73), Cnidaria (2), Trematoda (62), Monogenea (67), Cestoda (25), Nematoda (28), Acanthocephala (6), Annelida (13), Mollusca (2), Branchiura (1), Copepoda (44), Amphipoda (3), Isopoda (1) et la documentation de parasites dans le cas de 80 espèces de poissons canadiens omises dans *Synopsis des parasites des poissons du Canada* de Margolis et Arthur (1980). La liste des parasites-hôtes est structurée sur une base taxinomique et indique, pour chaque espèce de parasite, l'habitat (eaux douces, eaux salées, eaux saumâtres), le site d'occurrence (position) dans l'hôte, la ou les espèces d'hôtes qu'elle infeste, la répartition géographique connue dans les eaux canadiennes, et la source publiée de chaque mention d'hôte et de localité. La liste des hôtes-parasites est ordonnée suivant la taxinomie des hôtes et accompagnée de données sur la répartition connue des parasites dans les eaux canadiennes. Dans ces deux listes, on trouve des notes explicatives sur la systématique, la nomenclature et, lorsque la situation l'exige, des observations sur d'autres questions précises concernant des espèces individuelles. En plus de la liste des références citées, on trouve une liste de références supplémentaires qui énumère d'autres publications canadiennes sur les parasites des poissons. L'ouvrage se termine par un index des parasites ainsi qu'un index des hôtes énumérés dans le synopsis.

Introduction

A *Synopsis of the Parasites of Fishes of Canada* was published by Margolis and Arthur (1979) as Bulletin No. 199 of the Fisheries Research Board of Canada. This publication covered the literature on Canadian fish parasites through 1977. In the intervening years, a large body of literature has accumulated on the parasite fauna of Canadian fishes. In addition, the first three parts of *Guide to the Parasites of Fishes of Canada*, edited by Margolis and Kabata (1984, 1988, 1989), have been published and contain some pertinent new parasite records. The purpose of this supplement is to assemble all information on Canadian fish parasites published during the years 1978 through 1993, to include some references that were overlooked in the 1979 synopsis, and to emend some citations, notably in the monogenean and protozoan-myxozoan sections of the 1979 publication to bring them up to date with respect to current taxonomic concepts. This has also necessitated the inclusion of some appropriate references published in 1994.

We have attempted to include all published reports based on original records of Canadian fish parasites. Publications that do not provide original parasite-host-locality records but deal with some aspect of Canadian fish parasitology are compiled in a supplementary list of references. However, some papers that deal with parasite life cycles include a number of hosts that were experimentally infected, some of which carried natural infections as well. The reports dealing with experimentally infected fish are indicated by the designation "exper" [see for example *Cryptobia salmositica*] following the cited author(s) in the "records" part of the parasite-host list and following the parasite name in the host-parasite list. Natural infections are cited by geographic locality of occurrence, beginning on the Pacific coast of Canada and proceeding eastward.

A number of International Commission for Northwest Atlantic Fisheries (ICNAF) reports that are labelled "Restricted" or "Not to be Cited without Prior Reference to the Author" have not been included in this synopsis. None of these reports contain host-parasite-geographic records that have not been published elsewhere.

Some reports contained records from surveys over a broad geographic range, such as the eastern North

Pacific coast of North America or the North Atlantic Ocean. For these reports, only those parasite-host records are included for which the fish were definitely stated to have been collected off the coast of Canada (see, for example, the reports by Kovalenko (1969) for the Pacific coast and Wierzbicka (1986) for the Atlantic coast). There are a few reports of parasites from deep-water fishes that were caught off Flemish Cap or Orphan Bank (see, for example, Zubchenko 1984), areas that currently lie outside Canada's 200-mile fishing zone but which traditionally have been associated with the Canadian continental shelf, that have also been included in this synopsis.

The following abbreviations are used for marine areas: Pacific (Pac), Western Arctic (W Arc), Eastern Arctic (E Arc), and Atlantic (Atl). Eastern Arctic waters are deemed to commence in the Atlantic Ocean at 60°N latitude and all records from Hudson Bay, Hudson Strait, Ungava Bay, and Davis Strait, as well as the waters surrounding the Arctic Islands Archipelago are included under this designation. The Western Arctic waters comprise primarily the Beaufort Sea area, with the dividing line between Eastern and Western Arctic at 100°W longitude. The Canadian Atlantic coast boundary between Canada and the U.S.A. was modified by decision of the International Court of the Hague in 1979 to extend through "Georges Bank". Some reports include records from the Georges Bank area but do not specifically state whether they are from the Canadian portion of the bank. These reports are included herein and comments to this effect are reported in the remarks section.

For Canadian inland fresh waters, the provincial or territorial abbreviations are used as follows: Alberta (Alta), British Columbia (BC), Labrador (Lab), Manitoba (Man), New Brunswick (NB), Newfoundland (Nfld), Northwest Territories (NWT), Nova Scotia (NS), Ontario (Ont), Prince Edward Island (PEI), Quebec (Que), Saskatchewan (Sask), and Yukon Territory (YT). For the Great Lakes drainage area, only those reports containing records originating from the Canadian side of the Great Lakes are cited.

The **PARASITE-HOST LIST** is organized by higher taxa of parasites in the following order:

Protozoa, Platyhelminthes, Nematelminthes (Nematoda), Acanthocephala, Annelida (Hirudinoidea), Mollusca, and Arthropoda. Various schemes for the organization and nomenclature of higher (above family level) taxonomic groupings of parasitic organisms are in use and raise the question of which organizational structure is the most appropriate. After the Margolis and Arthur (1979) synopsis was issued, Parker (1982) published a "Synopsis and Classification of Living Organisms" that provided a framework for the higher taxonomic groupings used in this synopsis. However, in later years, many authors have revised the classification of certain parasite groups and, where appropriate, their views are incorporated in this synopsis. These revisions, as well as other publications that we consider useful in the study or identification of Canadian fish parasites, are noted in the discussion for each taxonomic grouping. In this synopsis, subgroupings are arranged in alphabetical order following the phylum. Species, genera, and families are listed in alphabetical order within their respective next higher taxon.

Beginning with the **PROTOZOA**, those groups considered as subphyla in Margolis and Arthur (1979) are now classified as separate phyla following Levine et al. (1980), whose views were incorporated in Parker (1982). Lee et al. (1985) provided a pictorial classification of the commoner members of what is now considered the subkingdom **PROTOZOA**. Members of this subkingdom that parasitize Canadian fishes are found in 6 phyla: 1. Mastigophora; 2. Apicomplexa; 3. Microspora; 4. Myxozoa; 5. Ciliophora; and 6. Rhizopoda. Lom and Dyková (1992) provided the most recent overview of these groups.

For the **APICOMPLEXA**, the classification proposed by Levine (1988) is followed. Lom and Dyková (1992), however, included the genus *Goussia* in the family Eimeriidae. Upton et al. (1984) provided a useful key and illustrated descriptions for coccidian species found in North American fishes.

The taxonomy of the fish parasitic **CILIOPHORA** basically follows that of Corliss (1979), which is also incorporated in Parker (1982) and presented in more detail in Lom and Dyková (1992).

The taxonomy of the **MICROSPORA** follows Lom and Dyková (1992). Sprague (1977a, 1977b) gave a classification and provided descriptions (without figures) of all species of microsporidia, while Canning et al. (1986) gave figures and

descriptions for the microsporidia reported from vertebrates.

For the **MYXOZOA**, the classification proposed by Lom and Noble (1984) and repeated in Lom and Dyková (1992) is followed. However, it should be noted that the majority of myxosporean species reported from North American fishes are not discussed by these authors.

Classification of the **MASTIGOPHORA** and **RHIZOPODA** follows Levine et al. (1980) and Lom and Dyková (1992). The **CNIDARIA** classification is according to M. N. Arai (1989).

Recent phylogenetic analyses of the **PLATYHELMINTHES** have resulted in changes in the taxonomic organization of various groups within the phylum. As a result, the Monogenea are placed before the Cestoidea in the present supplement, rather than immediately following the Protozoa, as was the case in Margolis and Arthur (1979). Also, the **GYROCOTYLIDEA** are separated from the **CESTOIDEA** within the "**CESTODA**". Following Brooks (1989a, 1989b, 1989c), the family Udonellidae is included in the class **UDONELLIDEA**. This differs from the grouping by Beverley-Burton (1984), who included this family in the class **TURBELLARIA**. A revised classification of the **MONOGENEA** proposed by Malmberg (1990) was not supported by the phylogenetic analysis presented by Boeger and Kritsky (1993). Herein, we have followed the system of Boeger and Kritsky (1993). Also, the family Ancyrocephalidae, as used by Beverley-Burton (1984), was reduced to subfamily status by Kritsky and Boeger (1989). The classification of the **DIGENEA** largely follows Brooks et al. (1985, 1989) but incorporates modifications proposed by Gibson (1987) and Pearson (1992). The classification of Schmidt (1986) for the "**CESTODA**" is followed at the ordinal level, except for the order Pseudophyllidea for which the classification of Yurakhno (1992) is adopted. The phylogenetic analyses of Brooks (1989a, 1989b, 1989c) and Brooks et al. (1985, 1989) have produced a newly revised and controversial higher classification scheme for this phylum, aspects of which have been criticized by Gibson (1987), Pearson (1992), and Rohde (1990, 1994). We have, therefore, decided to adopt the following simplified scheme: the **TREMATODA** are treated as a class which contains the subclasses **DIGENEA** and **ASPIDOBOTHREA**; the **MONOGENEA** are treated as a class after Boeger and Kritsky (1993);

and the **CESTODA** are treated as a class which contains the subclasses **GYROCOTYLIDEA** and **CESTOIDEA**.

For the **NEMATODA**, the classification of Anderson et al. (1974-1983) and Anderson (1992) is adopted except for the family Capillariidae for which the revised classification proposed by Moravec (1982, 1987) is used. The classification of the **ACANTHOCEPHALA** follows Amin (1985, 1987) and H. P. Arai (1989), that of the **HIRUDINOIDEA** follows Soos (1965-1967) and Parker (1982), and the classification of the **MOLLUSCA** follows Clarke (1981). For the Hirudinoidea, only those reports that include records of leeches attached to fish are cited. Reports that include records of leeches known to be parasitic on fish but that were collected attached to the substrate or to invertebrates are not included herein.

The arthropod parasites covered in this synopsis have been grouped in the classical way under the classes Crustacea (Branchiura, Copepoda, Amphipoda, Isopoda) and Arachnoidea, although Schram (1986) proposed a new classification scheme for these crustacean groups under the phylum Crustacea, separate from the phylum Arthropoda. Classification of the **BRANCHIURA** and **COPEPODA** follows Kabata (1979, 1988), that of the **AMPHIPODA** follows Bousfield (1987) and Bousfield and Kabata (1988), and that of the **ISOPODA** follows Rafi (1988).

The papers by Bousfield (1987), Bousfield and Kabata (1988), and Rafi (1988) included a number of amphipod and isopod species that have not yet been definitely reported from Canadian fishes. These species are not included in this report.

The format adopted for the **PARASITE-HOST** list follows that of Margolis and Arthur (1979). For each parasite species listed, the following information is provided:

1. The current **scientific name**, including author(s) and date(s), followed by any recognized synonyms that have been used in establishing the Canadian record(s). No attempt has been made to evaluate systematically the validity of published records. Following the parasite name, the **habitat** in which the parasite was acquired and normally completes its life cycle is given as FW for fresh water, B for brackish water, and M for marine or salt water.

2. The **site of occurrence** of the parasite in its host(s). Aberrant sites usually are not included. When the site was not given in a record, the likely site as

determined from other reports is enclosed in square brackets.

3. The **host(s)**. Only currently accepted scientific names as used by McAllister (1990) or by Robins et al. (1991) are given in the Parasite-Host List. Numbers in parentheses after each host name correspond with the numbers assigned to the references establishing the particular parasite-host records.

4. **Distribution (Dist.)** within Canadian waters. The species are grouped into 4 geographic regions or localities for marine waters, or listed by Province or Territory for the fresh waters of Canada. Some normally freshwater parasites have been reported from estuarine waters. These are cited by province with the addition of a "b" (e.g., Que-b) to denote a record from "brackish" waters.

5. Authors responsible for the records are listed in chronological order of the published records, and by alphabetical order for any given year in the case of more than one record per year. To enable the reader to grasp at a glance the author(s) responsible for particular parasite-host-locality records, we numbered the references listed under "Records" and placed the corresponding numbers after the host name. Each reference is followed by the locality or localities from which the parasite was (were) reported. When only one host is listed for a particular parasite, the references are not numbered, and when all records are from the same locality the latter is not listed after the authors' names.

6. Under **Remarks**, explanatory comments, as required, are offered on systematics, nomenclature, and notes on specific items such as tentative parasite or host identifications and inconsistencies in original reports.

The papers by Lubinsky and Loch (1979) and McAllister and Mudry (1983) are primarily literature reviews of the fish parasites of Manitoba and Alberta, respectively. In citing records from these publications, only those records originating from previously unpublished material are included in the parasite-host list. Records from these areas citing authors of published papers that were included in the synopsis by Margolis and Arthur (1979) are not again cited as records by Lubinsky and Loch (1979) or McAllister and Mudry (1983). This method of citation differs from that of Beverley-Burton (1984), for example, who cited all records of Monogenea from Manitoba under Lubinsky and Loch (1979) irrespective of whether or not they included

previously cited published records. Arai (1989) departed somewhat from this format by citing all literature records reported for Acanthocephala in Lubinsky and Loch (1979) or McAllister and Mudry (1983) under their original authorship (e.g., Stewart-Hay, 1951, etc.), including reports that were never formally published.

Recent studies of the anisakid nematodes *Anisakis simplex*, *Pseudoterranova decipiens*, and *Contracaecum osculatum*, using biochemical genetic techniques, have resulted in recognition of each of these worms as consisting of species complexes or sibling species (Nascetti et al. 1986, 1993; Paggi et al. 1991). However, in this publication, we are using these "species" names in their broad sense.

There are some doubtful or invalid reports of parasites from Canadian fishes. For *Myxobolus cerebralis* Hofer, 1903 (syn. *Myxosoma cerebralis* (Hofer, 1903) Kudo, 1933), Margolis et al. (1981) reported the absence of this parasite in B.C. salmonids as a result of the examination of extensive collections of both wild and cultured salmonids from widely separated B.C. localities. Previous reports notwithstanding, they concluded that, in the absence of corroborative evidence, British Columbia should not be accepted as a center of *Myxobolus cerebralis* infection.

Two species of trematodes of freshwater origin, *Plagioporus shawi* (McIntosh, 1939) Margolis, 1972 and the metacercaria of *Nanophyetus salmincola* (Chapin, 1926) Chapin, 1927, were reported by Margolis 1990, 1992) and Burgner et al. 1992 from the anadromous steelhead trout (*Oncorhynchus mykiss*) taken within the Canadian Pacific 200-mile fishing zone. However, these species have not been included in this synopsis as part of the Canadian parasite fauna because they are not known to occur in anadromous fishes in British Columbia fresh waters. The freshwater distribution of these two trematodes in steelhead trout is confined to U.S. Pacific Northwest drainages and, therefore, their presence in ocean-caught steelhead trout is indicative of the fish's U.S. Pacific Northwest origin (Margolis 1990, 1992; Burgner et al. 1992).

Two species of Acanthocephala, *Echinorhynchus clavula* (listed by Ronald, 1959) and *Tanaorhamphus* sp. (listed in Lubinsky and Loch, 1979), should not be listed for the Canadian fauna without verification, for reasons noted in Arai (1989, p. 2).

Lewis (1964) stated that the U.S. National Museum possesses a collection of copepods,

identified by C. B. Wilson and himself as *Lepeophtheirus dissimulatus* Wilson, 1905, that was taken from *Gadus macrocephalus* caught off British Columbia, Canada. Later, in a personal communication to Dr. Z. Kabata of the Pacific Biological Station, Nanaimo, B.C., he stated that the record resulted apparently from mislabelling of material and that this parasite does not occur in B.C., as noted in Kabata (1988, p. 25).

Anonymous (1981) and Ching and Parker (1983) reported larval mites (Acarina) of the genus *Hygrobatas* from the stomach contents of *Prosopium williamsoni* in British Columbia. Anonymous (1981) also reported their occurrence in the stomach contents of *Ptychocheilus oregonensis*. Further, Ching and Parker (1983) recovered larval mites of the genus *Piona* from the stomach contents of *P. williamsoni*. These records of larval mites are not included in the Synopsis listings because the status of the mites as fish parasites is questionable.

The **HOST-PARASITE LIST** is organized according to the phylogenetic relationship of the suprageneric taxa of the hosts as given by Eschmeyer (1990) for extant fishes of the world and by McAllister (1990) for Canadian fishes. Within each family, the genera and species of fish are listed alphabetically. The scientific and English common names of fishes are those given by McAllister (1990). Conflicts between names given in McAllister (1990) and those in Robins et al. (1991) are noted under "Remarks" following the host name. Host synonyms included are only those that were used in establishing the Canadian parasite records. After the name of each parasite species, its geographic distribution for the host in question is given in parentheses.

Prior to 1990, all Canadian parasite literature records for the western trouts, namely the rainbow trout and cutthroat trout, were cited as *Salmo gairdneri* and *Salmo clarki*, respectively. In 1990, these species were placed in the genus *Oncorhynchus*, with the rainbow trout becoming *Oncorhynchus mykiss*, and the cutthroat trout becoming *Oncorhynchus clarki*, respectively. Therefore, it must be kept in mind that although all Canadian parasite records are now found under these new host names, the actual parasite citations in the pre-1990 literature will be found under the older host names of *Salmo gairdneri* and *Salmo clarki*.

The **REFERENCES** section includes those publications directly referred to in developing the

parasite lists or referred to in the Remarks section. A **SUPPLEMENTARY REFERENCES** section contains a list of publications dealing with various aspects of parasites of Canadian fishes but which do not contain original parasite-host records. The work concludes with an index to the parasites and an index to the hosts listed in this synopsis.

This synopsis lists 925 named species of parasites distributed among higher taxa as follows: Apicomplexa - 34; Ciliophora - 20; Mastigophora - 16; Microspora - 9; Myxozoa - 122; Cnidaria - 2; Udonellidea - 1; Trematoda - 184; Monogenea - 183; Cestoda - 94; Nematoda - 76; Acanthocephala - 29; Annelida - 27; Mollusca - 4; Branchiura - 7; Copepoda - 112; Amphipoda - 3; and Isopoda - 2. Also included are many records of parasites not identified to species level, including a genus of Rhizopoda and 2 genera of Acarina. Included in the list of parasites are 18 species of Apicomplexa, 12 species of Ciliophora, 6 species of Mastigophora, 3 species of Microspora, 73 species of Myxozoa, 2 species of Cnidaria, 62 species of Trematoda, 67 species of Monogenea, 25 species of Cestoda, 28 species of Nematoda, 6 species of Acanthocephala,

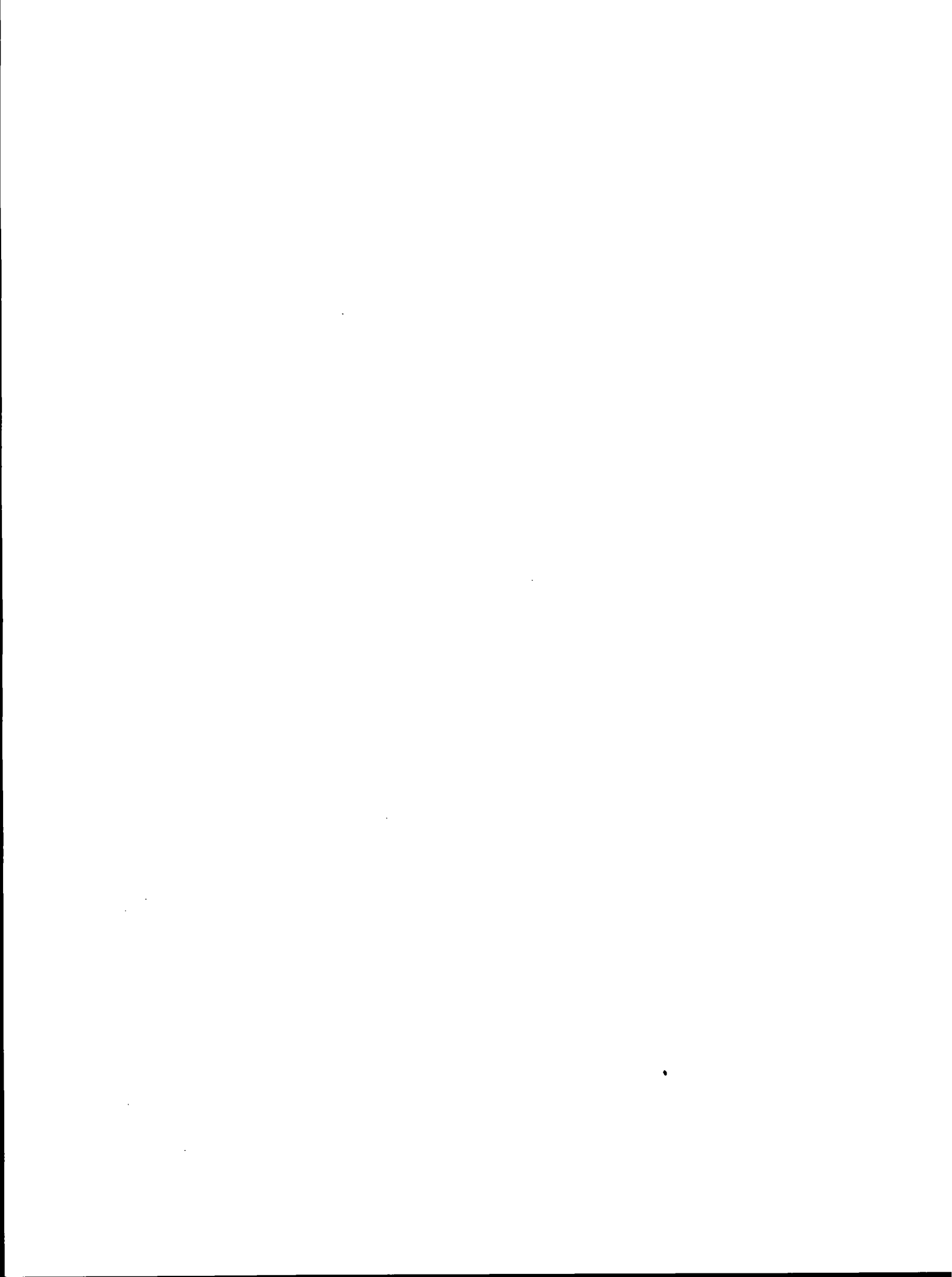
13 species of Annelida, 2 species of Mollusca, 1 species of Branchiura, 44 species of Copepoda, 3 species of Amphipoda, and 1 species of Isopoda not found in the list by Margolis and Arthur (1979). Adding these to the 830 named species of parasites listed in Margolis and Arthur (1979) gives a total of 1196 species of parasites reported from the Canadian fish fauna.

Of the 1102 species of Canadian fishes listed by McAllister (1990), parasites are herein listed for 292 species, including 2 hybrid forms, representing 26% of the Canadian fish fauna. Included are parasites for 80 species of fishes not listed by Margolis and Arthur (1979). These species plus the 312 species of fishes found in Margolis and Arthur (1979) bring to 392 the total number of Canadian fishes, representing 36% of the fish fauna, for which parasites have been reported.

The parasites listed are only those found in the literature from 1978 to 1993, plus those omitted from the 1979 synopsis. Thus, for a complete host-parasite list or parasite-host list for any particular Canadian fish or parasite, both Margolis and Arthur (1979) and the present supplement must be consulted.



PARASITE – HOST LIST



KINGDOM PROTISTA
SUBKINGDOM PROTOZOA
PHYLUM APICOMPLEXA
CLASS PERKINSEA
ORDER PERKINSIDA
Family PERKINSIDAE

Perkinsus sp. (M)

Sites: kidney, liver, spleen, heart, gills, brain
Host: *Salmo salar*
Dist.: Atl
Record: Cawthorn et al. 1991

CLASS SPOROZOEAE
SUBCLASS COCCIDIASINA
ORDER EUCOCCIDIORIDA
SUBORDER ADELEORINA
Family HAEMOGREGARINIDAE

Cyrtia uncinata (Khan, 1978) Lainson, 1981. (M)

Syn.: *Haemogregarina uncinata* Khan, 1978
Site: blood
Hosts: *Lycodes lavalaei* (1,2,3,4)
Lycodes vahli (1,2,3)
Dist.: E Arc, Atl
Records: 1. Khan 1978a (Atl); 2. Khan, Barrett, and Murphy 1980 (Atl); 3. Khan 1986 (E Arc, Atl); 4. Khan et al. 1991 (E Arc)
Remarks: Lainson (1981) erected the genus *Cyrtia* and included Khan's *Haemogregarina uncinata* in it as a second species.

Haemogregarina aeglefini Henry, 1913 (M)

Site: blood
Hosts: *Melanogrammus aeglefinus* (2,3)
Merluccius bilinearis (2,3)
Scomber scombrus (3)
Sebastes sp. (3)
Urophycis chuss (2)
Urophycis musicki (1,2)
Pleuronectidae gen.sp. (3)
Dist.: Atl
Records: 1. Khan, Barrett, and Murphy 1980; 2. Khan and Newman 1982; 3. Morrison et al. 1986
Remarks: The records of this parasite from flatfish, *Melanogrammus aeglefinus*, *Merluccius bilinearis*, *Scomber scombrus*, and *Sebastes* sp. by Morrison et al. (1986) were based on a tentative parasite identification as "... probably *Haemogregarina aeglefini*..."

Haemogregarina anarhichadis Henry, 1912 (M)

Site: blood
Hosts: *Anarhichas denticulatus* (1,2)
Anarhichas lupus (1,3)
Anarhichas minor (1)
Dist.: E Arc, Atl
Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Khan 1986 (Atl); 3. Khan et al. 1991 (E Arc)
Remarks: Khan et al. (1991) reported this species as *Haemogregarina anarhichae*. This species was not listed by Lom and Dykova (1992).

Haemogregarina delagei Laveran and Mesnil, 1902 (M)

Site: blood
Hosts: *Bathyraja spinicauda* (3)
Centroscyllum fabricii (1)
Malacoraja senta (1)
Raja ocellata (1)
Raja radiata (1,2,3)
Dist.: E Arc, Atl
Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Khan and Newman 1982 (Atl); 3. Khan et al. 1991 (E Arc)
Remarks: The parasite reported by Khan, Barrett, and Murphy (1980) from *Centroscyllum fabricii* was referred to as "... probably *H. delagei*."

Haemogregarina irkalukpiki Laird, 1961 (FW)

Site: blood
Host: *Salvelinus malma*
Dist.: BC
Records: Anonymous 1978; Arai and Mudry 1983

Haemogregarina marshallairdi Khan, Threlfall, and Whitty, 1992 (M)

Site: blood
Host: *Macrourus berglax*
Dist.: Atl
Record: Khan et al. 1992

Haemogregarina mavori Laird and Bullock, 1969 (M)

Site: blood
Host: *Macrozoarces americanus*
Dist.: Atl
Records: Khan, Barrett, and Murphy 1980; Khan and Newman 1982
Remarks: This species was not listed by Lom and Dykova (1992).

Haemogregarina myoxocephali Fantham, Porter, and Richardson, 1942 (M)

Site: blood
Hosts: *Artediellus uncinatus* (3)
Icelus sp. (3)
Myoxocephalus octodecemspinosus (1,2,4,5,6)
Myoxocephalus scorpius (1,3)

Dist.: E Arc, Atl

Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Khan and Newman 1982 (Atl); 3. Khan 1986 (E Arc); 4. Siddall and Desser 1992 (Atl); 5. 1993a (Atl); 6. 1993b (Atl)

Haemogregarina platessae Lebailly, 1904 (M)

Site: blood

Hosts: *Paralichthys oblongus* (1)
Reinhardtius hippoglossoides (2)

Dist.: E Arc, Atl

Records: 1. Khan and Newman 1982 (Atl); 2. Khan 1986 (E Arc)

Haemogregarina spp. (M)

Site: blood

Hosts: *Anarhichas denticulatus* (1)
Anarhichas lupus (3)
Anarhichas minor (1)
Gaidropsarus ensis (4)
Leiostomus xanthurus (2)
Lophius americanus (2)
Macrourus berglax (3,4)
Myoxocephalus scorpius (1)
Paralichthys dentatus (2)
Scophthalmus aquosus (2)
Scyliorhinus retifer (2)

Dist.: E Arc, Atl

Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Khan and Newman 1982 (Atl); 3. Khan 1986 (Atl); 4. Khan et al. 1991 (E Arc)

Remarks: The form from *Macrourus berglax* was included in the description of *Haemogregarina marshallairdi* by Khan, Threlfall, and Whitty (1992).

SUBORDER EIMERIORINA

Family BARROUXIIDAE

Goussia caseosa Lom and Dykova, 1982 (M)

Sites: swimbladder, gall bladder, intestinal contents, mesenteric blood vessels

Host: *Macrourus berglax*

Dist.: Atl

Record: Lom and Dykova 1982

Goussia clupearum (Thélohan, 1894) Labbé, 1896 (M)

Syn.: *Eimeria clupearum* (Thélohan, 1894) Doflein, 1909

Sites: liver, heart

Hosts: *Alosa pseudoharengus* (7)
Clupea harengus (3,4,5,6,7)
Clupea pallasii (1,2)
Merluccius bilinearis (7)
Scomber scombrus (7)

Dist.: Pac, Atl

Records: 1. Arthur and Arai 1980a (Pac); 2. 1980b (Pac); 3. Morrison 1983b (Atl); 4. Morrison and Hawkins 1984 (Atl); 5. McGladdery and Burt 1985 (Atl); 6. Morrison et al. 1986 (Atl); 7. Morrison and Marryatt 1990 (Atl)

Remarks: The synonymy is according to Dykova and Lom (1983). The records by Morrison et al. (1986) from *Clupea harengus* and Morrison and Marryatt (1990) from *Alosa pseudoharengus* were based on tentative parasite identifications as "...probably *G. clupearum*...".

Goussia degiustii (Molnar and Fernando, 1974) Dykova and Lom, 1981 (FW)

Syn.: *Eimeria degiustii* Molnar and Fernando, 1974

Goussia sp. A and B of Li and Desser, 1985

Sites: spleen, kidney, intestine, pancreas, swimbladder

Hosts: *Luxilus cornutus* (1,2,3,4)

Notropis heterolepis (2)

Pimephales notatus (3)

Pimephales promelas (1)

Semotilus atromaculatus (2)

Dist.: Ont

Records: 1. Paterson and Desser 1982; 2. Li and Desser 1985a; 3. Dechtiar et al. 1989; 4. Lom et al. 1989

Remarks: Lom et al. (1989) included *Goussia* sp. A and B of Li and Desser (1985a) and *Eimeria degiustii* Molnar and Fernando, 1974 as synonyms of *Goussia degiustii*. Margolis and Arthur (1979) listed previous Canadian records as *Eimeria degiustii*.

Goussia gadi (Fiebiger, 1913) Dykova and Lom, 1981 (M)

Syn.: *Eimeria gadi* Fiebiger, 1913

Site: swimbladder wall

Hosts: *Gadus morhua* (2,3)

Melanogrammus aeglefinus (1,2,3,4,5,6,7,8)

Dist.: Atl

Records: 1. Scott 1981; 2. Morrison et al. 1986; 3. Morrison and Marryatt 1990; 4. Morrison and Leger 1991; 5. Morrison et al. 1993a; 6. 1993b; 7. 1993c; 8. Morrison and Morrison 1993

Remarks: The synonymy is according to Dykova and Lom (1981). Margolis and Arthur (1979) listed previous Canadian records as *Eimeria gadi*.

Goussia iroquoina (Molnar and Fernando, 1974) Paterson and Desser, 1984 (FW)

Syn.: *Eimeria iroquoina* Molnar and Fernando, 1974

Site: intestine

Hosts: *Luxilus cornutus* (1,2,3,4)

Pimephales promelas (1,2,3,4,5)

Dist.: Ont

Records: 1. Paterson and Desser 1981a (Ont, exper); 2. 1981b (Ont, exper); 3. 1981c (Ont, exper); 4. 1982 (Ont, exper); 5. 1984 (exper)

Remarks: The synonymy is according to Paterson and Desser (1984). Margolis and Arthur (1979) listed previous Canadian records as *Eimeria iroquoina*.

Goussia laureleus (Molnar and Fernando, 1974) Li and Desser, 1985 (FW)

Syn.: *Eimeria laureleus* Molnar and Fernando, 1974

Site: intestine

Hosts: *Lepomis gibbosus* (2)
Perca flavescens (1,2)

Dist.: Ont

Records: 1. Desser and Li 1984; 2. Li and Desser 1985a

Remarks: Although Li and Desser (1985a) attribute the nomenclatural combination *Goussia laureleus* to Desser and Li (1984), this combination was not used in that paper. It first appeared in Li and Desser (1985a). Margolis and Arthur (1979) listed previous Canadian records as *Eimeria laureleus*.

Goussia leucisci (Shulman and Zaika, 1964) Lom, Desser, and Dykova, 1989 (FW)

Syn.: *Eimeria freemani* Molnar and Fernando, 1974
Goussia freemani (Molnar and Fernando, 1974)

Site: kidney interstitium and tubules

Host: *Luxilus cornutus*

Dist.: Ont

Record: Lom et al., 1989

Remarks: Jastrzebski (1984) considered *Eimeria freemani* to be a synonym of *E. leucisci* Shulman and Zaika, 1964, a species originally described from *Leuciscus leuciscus baicalensis* from Lake Baikal, U.S.S.R. Apparently Lom et al. (1989) were the first authors to place the species in the genus *Goussia*. Margolis and Arthur (1979) listed previous Canadian records as *E. freemani*.

Goussia notemigonica Li and Desser, 1985 (FW)

Sites: kidney, ureters, spleen, swimbladder

Host: *Notemigonus crysoleucas*

Dist.: Ont

Record: Li and Desser 1985a

Remarks: This species was not listed by Lom and Dykova (1992).

Goussia notropicum Li and Desser, 1985 (FW)

Site: intestine

Host: *Luxilus cornutus*

Dist.: Ont

Record: Li and Desser 1985a

Remarks: This species was not listed by Lom and Dykova (1992).

Goussia spraguei Morrison and Poynton, 1989 (M)

Site: kidney tubules

Hosts: *Gadus morhua* (1)

Melanogrammus aeglefinus (2)

Dist.: Atl

Records: 1. Morrison and Poynton, 1989a; 2. 1989b

Goussia spp. (M)

Sites: kidney tubules, liver, spleen

Hosts: *Alosa pseudoharengus* (1)

Gadus morhua (2,3)

Melanogrammus aeglefinus (3)

Merluccius bilinearis (1)

Dist.: Atl

Records: 1. Morrison et al. 1986; 2. Morrison and Poynton 1988; 3. Morrison and Marryatt 1990

Remarks: The report of this parasite from *Alosa pseudoharengus* and *Merluccius bilinearis* by Morrison et al. (1986) was based on a tentative parasite identification as "...probably *Goussia* sp."

Family DACTYLOSOMATIDAE

Dactylosoma beckeri (So, 1972) Khan, Lee, and Whitty, 1991 (M)

Syn.: *Haemohormidium beckeri* So, 1972

Site: blood

Hosts: *Anarhichas lupus* (1)

Lycodes lavalaei (1,3,4)

Lycodes vahli (1)

Macrozoarces americanus (2)

Myoxocephalus octodecemspinosus (1,2)

Myoxocephalus scorpius (3,4)

Dist.: E Arc, Atl

Records: 1. Khan 1980 (Atl, exper); 2. Khan and Newman 1982 (Atl); 3. Khan 1986 (E Arc, Atl); 4. Khan et al. 1991 (E Arc)

Remarks: The synonymy is according to Khan, Lee, and Whitty (1991). Margolis and Arthur (1979) listed a Canadian record as *Haemohormidium beckeri*. Lom and Dykova (1992) also listed this species as *H. beckeri*.

Dactylosoma salvelini Fantham, Porter, and Richardson, 1942 (FW)

Site: blood

Host: *Salvelinus malma*

Dist.: BC

Records: Anonymous 1978; Arai and Mudry 1983

Dactylosoma sp. (FW)

Site: blood

Host: *Cottus asper*

Dist.: BC

Records: Anonymous 1981; 1984

Family EIMERIIDAE

Eimeria cotti Gauthier, 1921 (FW)

Site: pyloric caeca

Host: *Cottus cognatus*

Dist.: BC

Records: Anonymous 1978; Arai and Mudry 1983

Eimeria esoci Shulman and Zaika, 1962 (FW)
Sites: caeca, intestine, gills, heart, liver, gall bladder, musele, kidney, spleen, swimbladder
Host: *Lepomis gibbosus*
Dist.: Ont
Record: Li and Desser 1985a
Remarks: This species was not listed by Lom and Dykova (1992).

Eimeria lairdi Lom and Dykova, 1981 (M)
Site: pyloric caeca
Host: *Myoxocephalus scorpius*
Dist.: Atl
Record: Lom and Dykova 1981
Remarks: This species was not listed by Lom and Dykova (1992).

Eimeria nishin Fujita, 1934 (M)
Site: testes
Host: *Clupea pallasii*
Dist.: Pac
Records: Arthur and Arai 1980a; 1980b
Remarks: This species was not listed by Lom and Dykova (1992).

Eimeria nucleocola Lom and Dykova, 1981 (M)
Site: pyloric caeca
Host: *Myoxocephalus scorpius*
Dist.: Atl
Record: Lom and Dykova 1981

Eimeria patersoni Lom, Desser, and Dykova, 1989 (FW)
Sites: kidney tubules, spleen, liver parenchyma
Host: *Lepomis gibbosus*
Dist.: Ont
Record: Lom et al., 1989
Remarks: This species was not listed by Lom and Dykova (1992).

Eimeria sardinae (Thélohan, 1890) Reichenow, 1921 (M)
Site: testes
Host: *Clupea harengus*
Dist.: Atl
Records: Morrison 1983b; Morrison and Hawkins 1984; McGladdery and Burt 1985; Morrison et al. 1986; McGladdery 1987; Morrison and Marryatt 1990; Morrison 1991

Eimeria spp. (FW,M)
Sites: pyloric caeca, liver, swimbladder, mesenteries
Hosts: *Luxilus cornutus* (5)
Merluccius productus (3)
Notemigonus crysoleucas (6)
Oncorhynchus mykiss (1,2)
Oncorhynchus nerka (1,2)
Salvelinus malma (1,2)
Theragra chalcogramma (4)
Thymallus arcticus (1,2)

Dist.: Pac, BC, Ont
Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. Sankurathri et al. 1983 (Pac); 4. Arthur 1984 (Pac); 5. Ferguson et al. 1985 (Ont); 6. Li and Desser 1985a (Ont)

Octosporella notropis Li and Desser, 1985 (FW)
Sites: intestine, spleen, swimbladder
Host: *Luxilus cornutus*
Dist.: Ont
Record: Li and Desser 1985b

Octosporella opeongoensis Li and Desser, 1985 (FW)
Site: swimbladder
Host: *Notemigonus crysoleucas*
Dist.: Ont
Record: Li and Desser 1985b
Remarks: This species was not listed by Lom and Dykova (1992).

Octosporella sasajewunensis Li and Desser, 1985 (FW)
Site: swimbladder
Host: *Notemigonus crysoleucas*
Dist.: Ont
Record: Li and Desser 1985b
Remarks: This species was not listed by Lom and Dykova (1992).

Octosporella spp. (FW)
Sites: spleen, swimbladder
Hosts: *Luxilus cornutus*
Notemigonus crysoleucas
Dist.: Ont
Record: Li and Desser 1985a

Unidentified Coccidia

Eimeriorina gen.spp. (M)
Sites: intestinal epithelium, liver, kidney tubules
Hosts: *Clupea harengus* (1)
Gadus morhua (1)
Hippoglossoides platessoides (1,2)
Melanogrammus aeglefinus (1)
Merluccius bilinearis (1,2)
Scomber scombrus (1)
Dist.: Atl
Records: 1. Morrison et al. 1986; 2. Morrison and Marryatt 1990

SUBCLASS PIROPLASMA ORDER PIROPLASMORIDA Family HAEMOHORMIDIIDAE

Haematracticidium scombri [Henry, 1910] (M)
Site: blood smears, kidney and spleen tissue imprints

Host: *Scomber scombrus*

Dist.: Atl

Record: MacLean and Davies 1990

Remarks: This species has a confused taxonomic history. Henry (1910) named but did not describe this parasite from the blood of *Scomber scombrus* from the Irish Sea. Henry (1913) gave a detailed description but did not name a parasite from the blood of *Scomber scombrus* from the Irish Sea. MacLean (1980), by inference, identified and described a parasite from the blood of *S. scombrus* from off Virginia, New York, and the Gulf of Maine, USA as this species. Levine (1988) listed this parasite as a *nomen nudum*. MacLean and Davies (1990) described this parasite on the basis of comparative material from *Scomber scombrus* from both sides of the Atlantic Ocean.

Haemohormidium terraenovae So, 1972 (M)

Site: blood

Hosts: *Anarhichas lupus* (5)
Anarhichas minor (5)
Antimora rostrata (5)
Boreogadus saida (4,5)
Cottunculus microps (5)
Eumicrotremus spinosus (4)
Gadus morhua (5)
Gaidropsarus ensis (5)
Hemitripterus americanus (2)
Hippoglossoides platessoides (3,4,5,6)
Hippoglossus hippoglossus (5)
Leiostomus xanthurus (2)
Macrourus berglax (5)
Merluccius bilinearis (2)
Pleuronectes americanus (3)
Reinhardtius hippoglossoides (1,4,5)
Sebastes norvegicus (5)
Urophycis chuss (2)

Dist.: E Arc, Atl

Records: 1. Khan et al. 1982 (E Arc, Atl); 2. Khan and Newman 1982 (Atl); 3. Khan 1984 (Atl, exper.); 4. Khan 1986 (E Arc, Atl); 5. Khan et al. 1991 (E Arc); 6. Siddall et al. 1993 (Atl)

Haemohormidium spp. (M)

Site: blood

Hosts: *Anarhichas denticulatus* (1,3)
Anarhichas lupus (1,3)
Antimora rostrata (5)
Bathyraja spinicauda (4)
Centroscyllium fabricii (1,4)
Chalinura brevibarbis (5)
Coryphaenoides leptolepis (5)
Ethnopterus princeps (5)
Eumicrotremus spinosus (1)
Hemitripterus americanus (1)
Hippoglossoides platessoides (1)
Lycodes lavalaei (1)

Lycodes vahli (1)

Macrourus berglax (3,5)

Macrozoarces americanus (1)

Merluccius bilinearis (1)

Myoxocephalus octodecemspinosus (1)

Nematonurus armatus (5)

Pleuronectes ferrugineus (1,2)

Pollachius virens (1)

Raja radiata (4)

Reinhardtius hippoglossoides (1)

Dist.: E Arc, Atl

Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Khan and Newman 1982 (Atl); 3. Khan 1986 (E Arc, Atl); 4. Khan et al. 1991 (E Arc); 5. Khan et al. 1992 (Atl)

Apicomplexa of Uncertain Taxonomic Position

Rhabdospora thelohani Laguesse, 1906 (FW)

Site: intestine

Host: *Luxilus cornutus*

Dist.: Ont

Record: Paterson and Desser 1981d

Remarks: Paterson and Desser (1981d) noted that cells identified as *Rhabdospora thelohani* have none of the apicomplexan features, hence they do not belong in the Apicomplexa, and should be referred to simply as "rodlet cells."

PHYLUM CILIOPHORA

CLASS KINETOFRAGMINOPHOREA

SUBCLASS HYPOSTOMATIA

SUPERORDER PHYLLOPHARYNGIDEA

ORDER CYRTOPHORIDA

SUBORDER CHLAMYDODONTINA

Family CHILODONELLIDAE

Chilodonella piscicola (Zacharias, 1894) Jankovski, 1980.

(FW)

Syn.: *Chilodonella cyprini* (Moroff, 1902) Strand, 1926

Site: body surface

Host: *Carassius auratus*

Dist.: NS

Record: Wiles et al. 1985

Remarks: The synonymy is according to Lom and Dykova (1992).

Chilodonella sp. (FW)

Site: not specified

Host: *Oncorhynchus mykiss*

Dist.: Alta

Record: McAllister and Mudry 1983

SUBCLASS SUCTORIA
ORDER SUCTORIDA
Family TRICHOPHRYIDAE

Capriniana piscium (Bütschli, 1889) Jankovski, 1973 (FW)

Syns.: *Trichophrya piscium* Bütschli, 1889
Trichophrya micropteri Davis, 1942

Site: gills

Hosts: *Luxilus cornutus* (2)
Morone chrysops (3,4)
Salvelinus fontinalis (2)
Salvelinus namaycush (1)

Dist.: Man, Ont

Records: 1. Culbertson and Hull 1962 (Man); 2. Li and Desser 1985a (Ont); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar and Nepszy 1988 (Ont)

Remarks: The synonymy is according to Lom and Dykova (1992). Margolis and Arthur (1979) listed previous Canadian records as *Trichophrya piscium*.

Capriniana spp. (FW)

Syn.: *Trichophrya* spp.

Site: gills

Hosts: *Catostomus commersoni* (1)
Gasterosteus aculeatus (2)
Morone chrysops (3)

Dist.: Ont, NS

Records: 1. Wiles and Cone 1986 (NS); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont)

Remarks: The synonymy is according to Lom and Dykova (1992). Margolis and Arthur (1979) listed previous Canadian records as *Trichophrya* sp.

CLASS OLIGOHYMENOPHOREA
SUBCLASS HYMENOSTOMATIA
ORDER HYMENOSTOMATIDA
SUBORDER OPHRYOGLENINA
Family ICHTHYOPHTHIRIIDAE

Ichthyophthirius multifiliis Fouquet, 1876 (FW)

Sites: body surface, fins, gills

Hosts: *Anguilla rostrata* (3)
Aplodinotus grunniens (5)
Catostomus catostomus (6)
Catostomus commersoni (4)
Cottus ricei (4)
Culaea inconstans (6)
Fundulus diaphanus (4)
Ictalurus punctatus (3,5)
Lepomis gibbosus (6)
Luxilus cornutus (4)
Morone chrysops (5)
Oncorhynchus mykiss (1)

Perca flavescens (2,3,4,5,6)
Pimephales notatus (4)
Salvelinus fontinalis (2)
Semotilus atromaculatus (6)

Dist.: Alta, Ont

Records: 1. McAllister and Mudry 1983 (Alta); 2. Li and Desser 1985a (Ont); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar and Nepszy 1988 (Ont); 6. Dechtiar et al. 1989 (Ont).

SUBCLASS PERITRICHIA
ORDER PERITRICHIDA
SUBORDER MOBILINA
Family TRICHODINIDAE

Trichodina cooperi Poynton and Lom, 1989 (M)

Sites: body surface, fins

Host: *Gadus morhua*

Dist.: Atl

Record: Poynton and Lom 1989

Trichodina cottidarum Dogiel, 1948 (M)

Site: gills

Host: *Myoxocephalus octodecemspinosus*

Dist.: Atl

Record: Khan 1987

Remarks: This species was not listed by Lom and Dykova (1992).

Trichodina murmanica Polyansky, 1955 (M)

Syn.: *Trichodina domerguei saintjohnsi* Lom and Laird, 1969

Sites: body surface, fins

Host: *Gadus morhua*

Dist.: Atl

Record: Poynton and Lom 1989.

Remarks: The synonymy is according to Poynton and Lom (1989). Margolis and Arthur (1979) listed the only Canadian record as *Trichodina domerguei saintjohnsi*.

Trichodina opeongoensis Li and Desser, 1985 (FW)

Sites: ureters, urinary bladder

Hosts: *Notemigonus crysoleucas*
Semotilus atromaculatus

Dist.: Ont

Record: Li and Desser 1985a

Remarks: This species was not listed by Lom and Dykova (1992).

Trichodina oviducti Polyansky, 1955 (M)

Site: urogenital tract

Host: *Raja radiata*

Dist.: Atl

Record: Khan 1984

- Trichodina oviformis* Chen, 1955 (FW)
 Site: gills
 Hosts: *Luxilus cornutus*
Perca flavescens
 Dist.: Ont
 Record: Li and Desser 1985a
 Remarks: This species was originally described from China by Chen (1955) as *Trichodina ovaliformis*. Chen (1956), in a footnote on p. 280, changed the name to *Trichodina oviformis*. The occurrence of this species in Canada requires confirmation. It was not listed by Lom and Dykova (1992).
- Trichodina rectangli* Chen and Hsieh, 1964 (FW)
 Sites: fins, nares
 Hosts: *Luxilus cornutus*
Notemigonus crysoleucas
Notropis heterolepis
Perca flavescens
 Dist.: Ont
 Record: Li and Desser 1985a
 Remarks: The Canadian occurrence of this species, originally described from China, requires confirmation. It was not listed by Lom and Dykova (1992).
- Trichodina truttae* Mueller, 1937 (FW)
 Sites: body surface, gills
 Hosts: *Oncorhynchus kisutch* (1)
Oncorhynchus mykiss (1)
Oncorhynchus nerka (1)
Salmo salar (2)
 Dist.: BC, Nfld
 Records: 1. Arthur and Margolis 1984 (BC); 2. Khan 1991d (Nfld)
 Remarks: Arthur and Margolis (1984) stated that *Trichodina truttae* was reported from "trout" at hatcheries in Canada as well as Oregon by Davis (1953 [p. 215]) but that he did not cite the source of the Canadian reports, which remained unknown to the authors. However, Davis (1946 p. 40) stated "*Trichodina truttae* ... occurs on the gills of cut-throat trout at various Oregon hatcheries, and is probably the species found by Richardson (1937) on brook trout from a Canadian hatchery." The record by Richardson (1937) was listed in Margolis and Arthur (1979 p. 16) under *Trichodina* spp.
- Trichodina tumefaciens* Davis, 1947 (FW)
 Sites: fins, gills, nares, skin
 Hosts: *Lepomis gibbosus*
Notemigonus crysoleucas
Perca flavescens
Semotilus atromaculatus
 Dist.: Ont
 Record: Li and Desser 1985a
 Remarks: This species was not listed by Lom and Dykova (1992).
- Trichodina urinaria* Dogiel, 1940 (FW)
 Syn.: *Trichodina algonquinensis* Li and Desser, 1983
 Sites: urinary bladder, ureters
 Hosts: *Luxilus cornutus* (2,3)
Perca flavescens (1,2,3,4,5,6,7,8)
 Dist.: Ont
 Records: 1. Lom and Haldar 1976; 2. Li and Desser 1983; 3.1985a; 4. Dechtiar and Christie 1988; 5. Dechtiar et al. 1988; 6. Dechtiar and Lawrie 1988; 7. Dechtiar and Nepszy 1988; 8. Dechtiar et al. 1989
 Remarks: Arthur and Lom (1984) synonymized *Trichodina algonquinensis* with *Trichodina urinaria*.
- Trichodina* spp. (FW,M)
 Sites: gills, fins, body surface
 Hosts: *Ambloplites rupestris* (6,8)
Anguilla rostrata (6)
Carpoides cyprinus (9)
Catostomus catostomus (1,2)
Catostomus commersoni (7)
Fundulus diaphanus (6)
Gadus morhua (5,11,12)
Lepomis gibbosus (6,10)
Lota lota (3)
Morone americana (6)
Morone chrysops (9)
Myoxocephalus octodecemspinosus (12,13)
Notemigonus crysoleucas (6)
Notropis hudsonius (6,7)
Oncorhynchus mykiss (1,2)
Perca flavescens (6,9,10)
Phoxinus eos (10)
Phoxinus neogaeus (6,7,10)
Pleuronectes americanus (4)
Pomoxis nigromaculatus (6)
Umbra limi (7)
 Dist.: BC, Alta, Ont, Atl
 Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. McAllister and Mudry 1983 (Alta); 4. Cone and Wiles 1984 (Atl); 5. Morrison 1988 (Atl); 6. Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9. Dechtiar and Nepszy 1988 (Ont); 10. Dechtiar et al. 1989 (Ont); 11. Poynton and Lom 1989 (Atl); 12. Khan 1990 (Atl); 13. 1992 (Atl)
- Trichodinella symmetrica* (Davis, 1947) Lom, 1959 (FW)
 Syn.: *Trichodina symmetrica* Davis, 1947
 Sites: fins, gills, body surface
 Hosts: *Notemigonus crysoleucas*
Perca flavescens
Semotilus atromaculatus
 Dist.: Ont
 Record: Li and Desser 1985a
 Remarks: The synonymy is according to Li and Desser (1985a). Lom and Haldar (1977) stated that this species, as originally described, was an unidentifiable nomen nudum comprising a mixture of *Tripartiella*

and *Trichodinella* species. It was not listed by Lom and Dykova (1992).

Trichodinella sp. (FW)
Site: gills
Host: *Lota lota*
Dist.: Ont
Record: Dechtiar et al. 1989

Unidentified Trichodinids

Trichodinidae gen.spp. (M)
Site: gills
Hosts: *Gadus morhua*
Lumpenus lumpretaeformis
Pleuronectes ferrugineus
Scomber scombrus
Dist.: Atl
Record: Morrison et al. 1986

SUBORDER SESSILINA

Family EPISTYLIDAE

Apiosoma megamicronucleatum (Timofeev, 1962) Lom, 1966 (FW)
Syn.: *Glossatella megamicronucleata* Timofeev, 1962
Sites: fins, gills
Host: *Perca flavescens*
Dist.: Ont
Record: Li and Desser 1985a
Remarks: The synonymy is according to Lom (1966), but the spelling of the specific name has been emended to agree with the gender of the genus *Apiosoma*. It was not listed by Lom and Dykova (1992).

Apiosoma micropteri (Surber, 1940) Lom, 1966 (FW)
Syn.: *Scyphidia micropteri* Surber, 1940
Site: gills
Hosts: *Micropterus dolomieu*
Micropterus salmoides
Dist.: Ont
Record: Dechtiar and Christie 1988
Remarks: The synonymy is according to Lom (1966). Margolis and Arthur (1979) listed the only Canadian record as *Scyphidia micropteri*.

Apiosoma piscicolum Blanchard, 1885 (FW)
Site: body surface
Host: *Salvelinus fontinalis*
Dist.: NS
Record: Cone and Odense 1987

Apiosoma triangularis Li and Desser, 1985 (FW)
Sites: fins, gills, nares
Hosts: *Luxilus cornutus*

Notemigonus crysoleucas
Perca flavescens
Semotilus atromaculatus

Dist.: Ont
Record: Li and Desser 1985a
Remarks: This species was not listed by Lom and Dykova (1992).

Heteropolaria lwoffii (Fauré-Fremiet, 1943) Foissner, 1983 (FW)

Syn.: *Epistylis lwoffii* Fauré-Fremiet, 1943
Site: body surface
Host: *Salvelinus fontinalis*
Dist.: NS
Record: Cone and Odense 1987
Remarks: The synonymy is according to Foissner (1983). Margolis and Arthur (1979) listed previous Canadian records as *Epistylis lwoffii*. Lom and Dykova (1992) listed this species as *Epistylis lwoffii*.

Epistylis spp. (FW)

Site: gills
Hosts: *Cottus asper* (1,2)
Oncorhynchus mykiss (3)
Oncorhynchus nerka (1,2)
Dist.: BC, Alta
Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. McAllister and Mudry 1983 (Alta)

Family SCYPHIDIIDAE

Riboscyphidia arctica (Zhukov, 1964) Jankovski, 1985 (M)

Syn.: *Scyphidia arctica* Zhukov, 1964
Remarks: The synonymy is according to Jankovski (1985). Margolis and Arthur (1979) listed the only Canadian record as *Scyphidia arctica*.

Scyphidia sp. (FW)
Site: gills
Host: *Morone americana*
Dist.: Ont
Record: Dechtiar and Christie 1988
Remarks: It is likely that this record was a misidentification for a species of *Apiosoma*.

PHYLUM MASTIGOPHORA CLASS DINOFLAGELLATEA ORDER DINOFLAGELLIDA

Dinoflagellida gen.sp.
Site: skin
Hosts: *Gasterosteus aculeatus* (1,2)
Oncorhynchus kisutch (2)
Salvelinus malma (2)
Dist.: BC

Records: 1. Buckland-Nicks et al. 1990; 2. Reimchen and Buckland-Nicks 1990

CLASS DIPLOMONADEA
ORDER DIPLOMONADIDA
SUBORDER DIPLOMONADINA
Family HEXAMITIDAE

Hexamita salmonis (Moore, 1923) Davis, 1953 (FW)

Syn.: *Octomitus salmonis* Moore, 1923

Sites: gall bladder, intestine, blood, liver

Hosts: *Betta splendens* (2)

Luxilus cornutus (1)

Notemigonus crysoleucas (1)

Notropis heterolepis (1)

Oncorhynchus tshawytscha (4,5,6,7)

Salvelinus fontinalis (3)

Semotilus atromaculatus (1)

Dist.: Pac, Ont, NS

Records: 1. Li and Desser 1985a (Ont); 2. Ferguson and Moccia 1980 (Ont); 3. Poynton and Morrison 1990 (NS); 4. Kent and Ellis 1991 (Pac); 5. Kent 1992 (Pac); 6. Kent, Dawe, and Ellis 1992 (Pac, exper); 7. Kent, Ellis, et al. 1992 (Pac, exper)

Remarks: Davis (1953), in a footnote on p. 240, stated: "Strictly speaking, under the rules of scientific nomenclature this species should be known as *Hexamita salmonis*, but it is believed that much confusion will be avoided by retaining the older name [*Octomitus salmonis*]." Apparently, this was the first use of the combination *Hexamita salmonis* for this species. Ferguson and Moccia (1980) did not specifically state the locality, but the infected fish were provided by "...a local breeder..." who presumably was from the Guelph area of Ontario.

Hexamita sp. (FW)

Site: not specified

Host: *Oncorhynchus mykiss*

Dist.: Alta

Record: McAllister and Mudry 1983

Spiroucleus torosa Poynton and Morrison, 1990 (M)

Syn.: *Hexamita* sp. of Poynton and Morrison, 1988.

Site: rectal lumen

Hosts: *Gadus morhua* (1,2)

Melanogrammus aeglefinus (2)

Dist.: Atl

Records: 1. Poynton and Morrison 1988; 2. 1990.

Remarks: Poynton and Morrison (1988) originally reported this species from *Gadus morhua* as *Hexamita* sp.

CLASS KINETOPLASTIDEA
ORDER KINETOPLASTIDA
SUBORDER BODONINA
Family BODONIDAE

Bodomonas concava Davis, 1947 (FW)

Remarks: Margolis and Arthur (1979) stated in the remarks section that *Bodomonas concava* "...may be *Cryptobia branchialis*." Lom and Dykova (1992) stated (p. 52): "*C. branchialis* Nie in Chen, 1955 ...is probably identical with *Bodomonas concavum* Davis, 1947...and may be named *C. concavum* (Davis, 1947) if further study proves so."

Ichthyobodo necator (Henneguy, 1883) Pinto, 1928

(FW,M)

Sites: gills, fins, body surface

Hosts: *Oncorhynchus tshawytscha* (2)

Pleuronectes americanus (1)

Dist.: Pac, Atl

Records: 1. Cone and Wiles 1984 (Atl); 2. Kent 1992 (Pac)

Remarks: Margolis and Arthur (1979) listed this parasite as *Ichthyobodo necatrix*.

Ichthyobodo spp.

(FW,M)

Sites: gills or not specified

Hosts: *Alosa pseudoharengus* (4,5)

Carassius auratus (4,5)

Melanogrammus aeglefinus (2,3)

Oncorhynchus mykiss (1)

Dist.: Alta, Ont, Atl

Records: 1. McAllister and Mudry 1983 (Alta); 2. Morrison and Cone 1986 (Atl); 3. Morrison et al. 1986 (Atl); 4. Ostand and Ferguson 1987a (Ont); 5. 1987b (Ont)

Remarks: Morrison and Cone (1986) and Morrison et al. (1986) noted that the dimensions of their form were similar to the freshwater *Ichthyobodo necator*.

Family CRYPTOBIIDAE

Cryptobia bullocki Strout, 1965

(M)

Syn.: *Trypanoplasma bullocki* (Strout, 1965) Becker, 1977

Site: blood

Hosts: *Pleuronectes americanus*

Scophthalmus aquosus

Dist.: Atl

Record: Khan and Newman 1982

Remarks: Bower and Margolis (1984) and Woo (1987), in contrast to Becker (1977), considered *Trypanoplasma* to be a synonym of *Cryptobia* and this synonymy is followed herein. However, Lom

and Dykova (1992) presented arguments for the retention of *Trypanoplasma* and included this species therein.

Cryptobia cataractae Putz, 1972 (FW)

Site: blood

Host: *Semotilus atromaculatus*

Dist.: Ont

Record: Jones and Woo 1990a

Remarks: Lom and Dykova (1992) treated this species as *Trypanoplasma cataractae*.

Cryptobia catostomi Bower and Woo, 1977 (FW)

Site: blood

Host: *Catostomus commersoni*

Dist.: Ont

Records: Woo 1982; Woo and Thomas 1991 (exper); Thomas and Woo 1992 (exper)

Remarks: Lom and Dykova (1992) treated this species as *Trypanoplasma catostomi*.

Cryptobia dahli (Möbius, 1888) Alexeieff, 1912 (M)

Site: stomach

Hosts: *Cyclopterus lumpus*
Macrourus berglax

Dist.: Atl

Record: Khan 1991b

Cryptobia gurneyorum (Minchin, 1909) Crawley, 1909 (FW)

Remarks: Lom and Dykova (1992) listed this species as *Trypanoplasma guerneorum* Minchin, 1909.

Cryptobia salmositica Katz, 1951 (FW)

Syn.: *Trypanoplasma salmositica* (Katz, 1951) Becker, 1977

Site: blood

Hosts: *Cottus aleuticus* (15)

Cottus asper (15)

Cottus cognatus (5)

Oncorhynchus clarki (15)

Oncorhynchus gorbuscha (15)

Oncorhynchus keta (14,15)

Oncorhynchus kisutch (10,14,15,16)

Oncorhynchus mykiss (2,3,4,5,7,8,11,12,13,15,
17,18,19,20,21,22,24,25,26,27,
28,29,30,31,32,33,34,35,36,37,
38,39,40,41,43)

Oncorhynchus nerka (6,10,14,15,16,23)

Oncorhynchus tshawytscha (1,9,14,15,16)

Salvelinus fontinalis (40,42)

Dist.: BC

Records: 1. Anonymous 1978 (BC); 2. Woo 1978a (exper); 1978b (exper); 3. Lowe-Jinde 1979 (exper); 1980 (exper); 4. Woo 1979 (exper); 5. Wehnert and Woo 1980 (exper); 6. Bower 1982 (exper); 7.

Paterson and Woo 1982 (exper); 8. Wehnert and Woo 1982 (exper); 9. Arai and Mudry 1983 (BC); 10. Bower and Margolis 1983 (BC, exper); 11. Mundie and Traber 1983 (BC); 12. Paterson and Woo 1983 (exper); 13. Woo et al. 1983 (exper); 14. Bower and Margolis 1984a (exper); 15. 1984b (BC); 16. 1985a (exper); 17. Jones and Woo 1986 (exper); 18. Jones et al. 1986 (exper); 19. Lowe-Jinde 1986 (exper); 20. Woo and Wehnert 1986 (exper); 21. Jones and Woo 1987 (exper); 22. Woo et al. 1988 (exper); 23. Bower and Evelyn 1988 (exper); 24. Laidley et al. 1988 (exper); 25. Thomas and Woo 1988 (exper); 26. 1989a (exper); 27. 1989b (exper); 28. 1990a (exper); 29. 1990b (exper); 30. Woo 1990 (exper); 31. Woo and Li 1990a (exper); 32. 1990b (exper); 33. Li and Woo 1991a (exper); 34. 1991b (exper); 35. Lowe-Jinde and Zimmerman 1991 (exper); 36. Thomas and Woo 1991 (exper); 37. 1992 (exper); 38. Woo and Thomas 1991 (exper); 39. 1992 (exper); 40. Ardelli and Woo 1993 (exper); 41. Feng and Woo 1993 (exper); 42. Forward et al. 1993 (exper); 43. Li et al. 1993 (exper)

Remarks: Bower and Margolis (1984) and Woo (1987), in contrast to Becker (1977), considered *Trypanoplasma* to be a synonym of *Cryptobia* and this synonymy is followed herein. Woo (1987) reviewed the genus *Cryptobia* from fishes, provided a brief history of *Cryptobia* and *Trypanoplasma*, and reaffirmed the synonymy of *Trypanoplasma* with *Cryptobia*. However, Lom and Dykova (1992) presented arguments for the retention of *Trypanoplasma*, and treated this species as *T. salmositica*. Lowe-Jinde and Niimi (1983) reported the absence of this parasite from wild salmonids in Lake Ontario.

Cryptobia spp. (FW,M)

Syn.: *Trypanoplasma* spp.

Sites: blood, gills

Hosts: *Lycodes lavalaei* (1,6)

Lycodes vahli (1,6)

Nezumia bairdi (7)

Oncorhynchus gorbuscha (4)

Oncorhynchus nerka (4)

Pleuronectes asper (5)

Ptychocheilus oregonensis (2,3)

Dist.: Pac, E Are., Atl, BC

Records: 1. Khan, Barrett and Murphy 1980 (Atl); 2. Anonymous 1981 (BC); 3. 1984 (BC); 4. Margolis 1982 (Pac); 5. Sloan et al. 1984 (Pac); 6. Khan et al. 1986 (E Are); 7. Khan et al. 1992 (Atl)

Remarks: Bower and Margolis (1984) and Woo (1987), in contrast to Becker (1977), considered *Trypanoplasma* to be a synonym of *Cryptobia* and this synonymy is followed herein.

SUBORDER TRYPANOSOMATINA
Family TRYPANOSOMATIDAE

Trypanosoma burresoni Jones and Woo, 1993 (FW)

Syn.: *Trypanosoma* sp. of Jones and Woo, 1992

Site: blood

Host: *Anguilla rostrata*

Dist.: Ont

Record: Jones and Woo 1993

Trypanosoma catostomi Daly and DeGiusti, 1971 (FW)

Site: [blood]

Hosts: *Amia calva* (2,4)

Catostomus commersoni (1,2,3,4,5)

Dist.: Ont

Records: 1. Bower and Woo 1979 (Ont); 2. Jones and Woo 1989 (Ont, exper); 3. Jones and Woo 1991b (Ont); 4. 1992a (Ont, exper); 5. 1992b (Ont)

Trypanosoma danilewskyi Laveran and Mesnil, 1904

(FW)

Site: blood

Hosts: *Ameiurus nebulosus* (3)

Barbodes schwanefeldi (3)

Carassius auratus (1,2,3,4,5,6,7)

Catostomus commersoni (3)

Danio malabaricus (3)

Etheostoma caeruleum (3)

Luxilus cornutus (3)

Dist.: This is a European species of parasite not known to occur naturally in Canada.

Records: 1. Woo 1981 (exper.); 2. Paterson and Woo 1984 (exper.); 3. Woo and Black 1984 (exper); 4. Islam and Woo 1991a (exper); 5. 1991b (exper); 6. 1991c (exper); 7. 1992 (exper)

Remarks: Woo and Black (1984) listed *Barbus conhus*, tinfoil barb, as one of the experimental hosts. According to Axelrod et al. (1980) the scientific name of the tinfoil barb is *Barbodes schwanefeldi* (Bleeker). Lom and Dykova (1992) considered this species to be a synonym of *Trypanosoma carassii* Mirophanow, 1883.

Trypanosoma murmanensis Nikitin, 1927 (M)

Site: blood

Hosts: *Anarhichas denticulatus* (8)

Anarhichas lupus (8,13,14)

Artediellus uncinatus (8)

Boreogadus saida (8)

Eumicrotremus spinosus (8)

Gadus morhua (1,3,4,7,9,10,11,13,14)

Glyptocephalus cynoglossus (13)

Hippoglossoides platessoides (6,8,12,13,14)

Hippoglossus hippoglossus (14)

Liparis sp. (8,13)

Lycodes lavalaei (8,13,14)

Lycodes vahli (8)

Macrourus berglax (8,14)

Myoxocephalus octodecemspinosus (2,7)

Myoxocephalus scorpius (7,8,13,14)

Pleuronectes americanus (6,7,9,10,12)

Raja radiata (13)

Reinhardtius hippoglossoides (5,8,13,14)

Dist.: E Arc, Atl

Records: 1. Khan 1978b (Atl); 2. Khan, Barrett and Campbell 1980 (exper); 3. Khan, Murphy and Taylor 1980 (Atl); 4. McCarthy and Khan 1980 (Atl); 5. Khan et al. 1982 (Atl); 6. Khan 1984 (Atl, exper); 7. 1985 (Atl, exper); 8. 1986 (E Arc, Atl); 9. 1987a (exper); 10. 1987b (Atl); 11. Khan and Lacey 1986 (Atl); 12. Khan 1991a (exper); 13. 1991c (Atl); 14. Khan et al. 1991 (E Arc)

Remarks: Margolis and Arthur (1979) stated that *Trypanosoma myoxocephali* Fantham, Porter, and Richardson, 1942 was "...probably referable to *T. murmanensis*", and Lom and Dykova (1992) concurred.

Trypanosoma phaleri Jones and Woo, 1990 (FW)

Site: blood

Host: *Amia calva*

Dist.: Ont

Records: Jones and Woo 1990c; 1991a; 1991b; 1992b

Trypanosoma rajae Laveran and Mesnil, 1901 (M)

Site: blood

Hosts: *Bathyraja spinicauda* (3)

Centroscyllium fabricii (1)

Malacoraja senta (1)

Raja fyllae (1)

Raja radiata (1,3)

Scylliorhinus retifer (2)

Dist.: E Arc, Atl

Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Khan and Newman 1982 (Atl); 3. Khan et al. 1991 (E Arc)

Remarks: The report by Khan et al. (1980) involved a tentative parasite identification of the hemoflagellate from the black dogfish, *Centroscyllium fabricii*, reported as "... may also be *Trypanosoma rajae* ...", while in another place only the common name "round skate", identified herein as *Raja fyllae*, was given as one of the hosts of *T. rajae*.

Trypanosoma spp. (M)

Site: blood

Hosts: *Amia calva* (5)

Anarhichas denticulatus (1)

Anarhichas lupus (1)

Anarhichas minor (1)

Anguilla rostrata (5,6)

Etmopterus princeps (7)

Glyptocephalus cynoglossus (1,2)

Hippoglossoides platessoides (1)

Hippoglossus hippoglossus (1)

Liparis gibbus (1)
Lycodes lavalei (1)
Lycodes vahli (1)
Macrourus berglax (1)
Melanogrammus aeglefinus (2)
Merluccius bilinearis (2)
Myoxocephalus octodecemspinosus (3)
Myoxocephalus scorpius (1)
Paralichthys oblongus (2)
Pleuronectes asper (4)
Pleuronectes ferrugineus (1)
Pollachius virens (1)
Reinhardtius hippoglossoides (1)
Urophycis chesteri (1,2)
Urophycis chuss (2)
Urophycis musicki (1,2)

Dist.: Pac, Ont, Atl

Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Khan and Newman 1982 (Atl); 3. Kiceniuk et al. 1982 (exper); 4. Sloan et al. 1984 (Pac); 5. Jones and Woo 1989 (Ont); 6. 1992b (Ont); 7. Khan et al. 1992 (Atl)

Remarks: The report of *Trypanosoma* sp. from *Anguilla rostrata* by Jones and Woo (1992b) was subsequently described as a new species, *Trypanosoma burresoni*, by Jones and Woo (1993).

PHYLUM MICROSPORA
 CLASS MICROSPOREA
 ORDER MICROSPORIDA
 SUBORDER APANSPOROBLASTINA
 Family ENTEROCYTOZOONIDAE

Enterocytozoon salmonis Chilomonezyk, Cox, and Hedrick, 1991 (M)

Site: blood

Host: *Oncorhynchus tshawytscha*

Dist.: Pac

Record: Kent 1992

Family NOSEMATIDAE

Nosema sp. (FW)

Sites: pyloric caeca, intestine

Hosts: *Prosopium williamsoni* (1,2)

Thymallus arcticus (1,2)

Dist.: BC

Records: 1. Anonymous 1978; 2. Arai and Mudry 1983

Remarks: It is likely that the records of *Nosema* sp. reported by these authors are misidentifications and are probably referable to *Glugea* sp., *Loma* sp., or *Pleistophora* sp.

SUBORDER PANSPOROBLASTINA
 Family GLUGEIDAE

Glugea anomala (Moniez, 1884) Gurley, 1893 (FW)

Sites: skin, musculature

Hosts: *Culaea inconstans*

Pungitius pungitius

Dist.: Ont

Record: Dechtiar et al. 1988

Glugea hertwigi Weissenberg, 1911 (FW,M)

Sites: cysts in viscera, subcutaneous connective tissue, mesenteries, fins

Host: *Osmerus mordax* (1,2,3,4,5,6,7,8)

Dist.: Ont, Que-b, NB, NS, Atl

Records: 1. Nepszy et al. 1978 (Ont); 2. Scarborough and Weidner 1979 (Ont); 3. Sherburne and Bean 1979 (NB, NS); 4. Nsembukya-Katuramu et al. 1981 (Ont); 5. Fréchet et al. 1983 (Que-b, Atl); 6. Weidner et al. 1984 (Ont); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar and Nepszy 1988 (Ont)

Glugea pinephales (Fantham, Porter, and Richardson, 1941) Morrison, Hoffman, and Sprague, 1985 (FW)

Syn.: *Nosema pinephales* Fantham, Porter, and Richardson, 1941

Sites: mesenteries, body cavity, musculature

Hosts: *Pinephales notatus* (1)

Pinephales promelas (1,2)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1989.

Remarks: The synonymy is according to Morrison et al. (1985). Margolis and Arthur (1979) listed previous Canadian records as *Nosema pinephales*.

Loma branchialis (Nemeczek, 1911) Morrison and Sprague, 1981 (M)

Syns.: *Nosema branchialis* Nemeczek, 1911

Glugea branchiale (Nemeczek, 1911) Lom and Laird, 1976

Loma morhua Morrison and Sprague, 1981 (M)

Sites: cysts in gill filaments, pseudobranchs, viscera

Hosts: *Coryphaenoides rupestris* (1)

Gadus morhua (2,4,5,6,8)

Melanogrammus aeglefinus (3,7,8)

Dist.: Atl

Records: 1. Szuks 1980; 2. Morrison and Sprague 1981a; 3. 1981b; 4. Morrison and Shum 1982; 5. Morrison 1983a; 6. 1988; 7. Morrison and Marryatt 1986; 8. Morrison et al. 1986

Remarks: The synonymy is according to Canning, Lom, and Dykova (1986) and Lom and Dykova (1992). Margolis and Arthur (1979) listed previous Canadian records as *Glugea branchiale*.

Loma fontinalis Morrison and Sprague, 1983 (FW)
Syn.: *Loma* sp. of Morrison and Sprague, 1981
Site: gills
Host: *Salvelinus fontinalis*
Dist.: NS
Records: Morrison and Sprague 1981c; 1983
Remarks: This species was not listed by Lom and Dykova (1992).

Loma salmonae (Putz, Hoffman, and Dunbar, 1965) Morrison and Sprague, 1981 (FW)
Syn.: *Pleistophora salmonae* Putz, Hoffman, and Dunbar, 1965
Sites: gills, musculature
Hosts: *Oncorhynchus gorbuscha* (1,2)
Oncorhynchus keta (1,2)
Oncorhynchus kisutch (1,2)
Oncorhynchus mykiss (1,2)
Oncorhynchus tshawytscha (3,4)
Dist.: Pac, BC
Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Kent, Evelyn, and Margolis 1990 (Pac); 4. Kent and Dawe 1993 (Pac, exper)
Remarks: The synonymy is according to Morrison and Sprague (1981).

Loma sp. (FW,M)
Site: gills
Host: *Oncorhynchus kisutch* (1,2)
Dist.: BC, Pac
Records: 1. Magor 1987 (BC); 2. Speare et al. 1989 (Pac)

Pleistophora cepedianae Hoffman and Dunbar, 1965 (FW)
Site: mesenteries
Host: *Dorosoma cepedianum*
Dist.: Ont
Records: Dechtiar and Christie 1988; Dechtiar et al. 1989
Remarks: This species was not listed by Lom and Dykova (1992).

Pleistophora hippoglossoides Bosanquet, 1910 (M)
Site: somatic musculature
Host: *Hippoglossoides platessoides*
Dist.: Atl
Records: Morrison et al. 1984; Morrison et al. 1986

Pleistophora spp. (FW,M)
Sites: pyloric caeca, intestine, musculature
Hosts: *Coregonus artedii* (8)
Cottus aleuticus (2)
Oncorhynchus mykiss (1,4)
Richardsonius balteatus (1,4)
Sebastes flavidus (9,10)
Theragra chalcogramma (3,5,6,7)
Dist.: Pac, BC, Ont

Records: 1. Anonymous 1978 (BC); 2. 1984 (BC); 3. Arthur et al. 1982 (Pac); 4. Arai and Mudry 1983 (BC); 5. Arthur 1983 (Pac); 6. 1984 (Pac); 7. Kabata and Whitaker 1984 (Pac); 8. Dechtiar et al. 1989 (Ont); 9. Lee et al. 1990 (Pac); 10. Stanley et al. 1992 (Pac)

Unidentified Microsporida

Microsporida gen.spp. (FW,M)
Sites: gills, musculature, skin
Hosts: *Gadus morhua* (1)
Lota lota (2,3)
Melanogrammus aeglefinus (5)
Pungitius pungitius (6)
Theragra chalcogramma (4)
Dist.: Pac, BC, Man, Atl
Records: 1. Morrison and Sprague 1980 (Atl); 2. Anonymous 1981 (BC); 3. 1984 (BC); 4. Kabata and Whitaker 1984 (Pac); 5. Morrison et al. 1986 (Atl); 6. Buttz and Holloway 1987 (Man)
Remarks: The material reported by Morrison and Sprague (1980) from *Gadus morhua* was subsequently described as *Loma morhua* by Morrison and Sprague (1981a). The records of Microsporida in Anonymous (1981, 1984) were found only in the parasite-host list.

PHYLUM MYXOZOA CLASS MYXOSPOREA ORDER BIVALVULIDA SUBORDER PLATYSPORINA Family MYXOBOLIDAE

Henneguya acuta Bond, 1939 (FW)
Site: gills
Host: *Esox masquinongy*
Dist.: Ont
Record: Dechtiar and Christie 1988

Henneguya brachyura Ward, 1919 (FW)
Site: gills
Host: *Lepomis gibbosus*
Dist.: Ont
Record: Dechtiar et al. 1989

Henneguya doori Guilford, 1963 (FW)
Site: gills
Host: *Perca flavescens* (1,2,3,4,5,6)
Dist.: Ont, NB, NS
Records: 1. Cone 1979c (NB); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Nepszy 1988 (Ont); 5. Dechtiar et al. 1989 (Ont); 6. McConnell and Cone 1992 (NS)

Remarks: Cone (1979c) noted that this species may prove to be a synonym of *Henneguya percae*.

Henneguya exilis Kudo, 1929 (FW)

Site: gills

Hosts: *Ameiurus nebulosus* (1,2,4)
Ictalurus punctatus (1,3)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Nepszy 1988; 4. Dechtiar et al. 1989

Henneguya fontinalis Fantham, Porter, and Richardson, 1939 (FW)

Remarks: Margolis and Arthur (1979) reported previous Canadian records for this species. However, it has had a confused taxonomic history. Davis (1944) transferred this species to the genus *Unicauda*, and it was listed therein by Hoffman (1967). Gupta and Khera (1987) restored it to the genus *Henneguya*.

Henneguya fontinalis variety *notropis* Fantham, Porter, and Richardson, 1939 (FW)

Syn.: *Henneguya notropis* of Speare, Ostland, and Ferguson, 1990

Site: [cysts in musculature]

Host: *Notropis* sp.

Dist.: Ont

Record: Speare et al. 1990

Remarks: Speare et al. (1990) used the contraction *Henneguya notropis* for the variety described by Fantham, Porter, and Richardson (1939) without regard for its taxonomic significance. Hence the correct citation should have been *Henneguya fontinalis notropis*.

Henneguya salminicola Ward, 1919 (FW,M)

Site: muscle cysts

Hosts: *Oncorhynchus gorbuscha* (6,8)
Oncorhynchus keta (6,8)
Oncorhynchus kisutch (2,3,4,6,8)
Oncorhynchus nerka (5,6,7,8,9,10)
Oncorhynchus tshawytscha (6,8)
Oncorhynchus spp. (1)

Dist.: Pac, BC

Records: 1. Christensen and Elleman 1976 (Pac); 2. Awakura and Kimura 1977 (Pac); 3. Anonymous 1981 (BC); 4. 1984 (BC); 5. Boyce 1981 (BC); 6. Bilinski et al. 1984 (BC); 7. Boyce 1985 (BC); 8. Boyce et al. 1985 (BC); 9. Quinn et al. 1987 (BC); 10. Steer et al. 1988. (Pac)

Remarks: Awakura and Kimura (1977) reported the host as originating from Canada and causing a "milky" condition in parts of the musculature during smoking. Lom and Dykova (1992) listed this species as a synonym of *Henneguya zschokkei*.

Henneguya zschokkei (Gurley, 1893) Doflein, 1901 (FW)

Sites: muscle, gills, kidney

Hosts: *Coregonus artedii* (5)
Coregonus clupeaformis (3)
Cottus cognatus (1,4)
Prosopium williamsoni (1,2,3,4)
Rhinichthys cataractae (1,4)
Richardsonius balteatus (1,4)
Thymallus arcticus (1,4)

Dist.: BC, Ont

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Dechtiar et al. 1988 (Ont)

Henneguya spp. (FW)

Site: gills or not specified

Hosts: *Coregonus artedii* (1,3)
Coregonus clupeaformis (1)
Coregonus hoyi (3)
Luxilus cornutus (2)
Oncorhynchus mykiss (1)

Dist.: Alta, Ont

Records: 1. McAllister and Mudry 1983 (Alta); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar and Lawrie 1988 (Ont)

Myxobolus arcticus Pugachev and Khokhin, 1979 (FW)

Site: brain

Host: *Oncorhynchus nerka* (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20)

Dist.: Pac, BC

Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Dana 1982 (BC); 4. Groot et al. 1984 (BC); 5. Quinn 1985 (BC); 6. Bailey and Margolis 1987 (BC); 7. Quinn et al. 1987 (BC); 8. Wood, Riddell, and Rutherford 1987 (BC); 9. Wood, Ridell, Rutherford, and Rutherford 1987 (BC); 10. Bailey et al. 1988 (Pac); 11. Rutherford et al. 1988 (BC); 12. Steer et al. 1988 (Pac); 13. Wood et al. 1988 (BC); 14. Groot et al. 1989 (Pac); 15. Wood et al. 1989 (Pac); 16. Kent, Whitaker, and Margolis 1990 (BC, exper); 17. Rutherford et al. 1992 (BC); 18. Kent, Margolis, and Whitaker 1993 (exper); 19. Kent, Whitaker, and Margolis 1993a (BC, exper); 20. Margolis 1993 (BC)
Remarks: Bailey and Margolis (1987), in a footnote, indicated that clarification of the taxonomy of central nervous system *Myxobolus* species from salmonids may result in reassignment of the records from *Oncorhynchus nerka* to *Myxobolus arcticus* Pugachev and Khokhin, 1979. All records prior to 1993 cited above, except Kent, Whitaker, and Margolis (1990), list this parasite under the name *Myxobolus neurobius*.

Myxobolus argenteus Lewis, 1968 (FW)

Sites: brain, eye, gall bladder, gills, intestine, heart, kidney, muscle, nares, spleen, swimbladder

- Host: *Notemigonus crysoleucas*
Dist.: Ont
Record: Li and Desser 1985a
- Myxobolus artus* Achmerov, 1960 (FW)
Sites: gills, kidney, spleen, swimbladder, ureters
Host: *Notemigonus crysoleucas*
Dist.: Ont
Record: Li and Desser 1985a
- Myxobolus aureatus* Ward, 1919 (FW)
Sites: gills, brain, intestine, swimbladder
Hosts: *Lota lota* (1,2)
Mylocheilus caurinus (1,2)
Perca flavescens (3)
Ptychocheilus oregonensis (1,2)
Richardsonius balteatus (1,2)
Dist.: BC, Ont
Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. Li and Desser 1985a (Ont)
- Myxobolus bibullatus* (Kudo, 1934) Grinham and Cone, 1990 (FW)
Syn.: *Myxosoma bibullatum* Kudo, 1934
Sites: gall bladder, musculature, kidney
Hosts: *Catostomus catostomus* (1,2,4,5)
Catostomus commersoni (3,4,5,6,7,8)
Cottus aleuticus (2)
Cottus asper (2)
Mylocheilus caurinus (2)
Ptychocheilus oregonensis (1,2)
Dist.: BC, Ont, NS
Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar and Lawrie 1988 (Ont); 6. Dechtiar and Nepszy 1988 (Ont); 7. Dechtiar et al. 1989 (Ont); 8. Grinham and Cone 1990 (NS)
Remarks: The synonymy is according to Grinham and Cone (1990), whose publication has date priority over Landsberg and Lom (1991) who also listed *Myxobolus bibullatus* as a n.comb. Margolis and Arthur (1979) reported previous Canadian records as *Myxosoma bibullatum*. Anonymous (1981) recorded this parasite from *Catostomus catostomus* in the host-parasite list only. Anonymous (1984) recorded this parasite from *Catostomus catostomus*, *Cottus aleuticus*, *Cottus asper*, and *Mylocheilus caurinus* in the host-parasite list only.
- Myxobolus commersonii* (Fantham, Porter, and Richardson, 1939) Grinham and Cone, 1990 (FW)
Syn.: *Myxosoma commersonii* Fantham, Porter, and Richardson, 1939
Sites: musculature, kidney, intestine
Hosts: *Catostomus catostomus* (1,2)
Catostomus macrocheilus (1,2)
Mylocheilus caurinus (2)
Prosoopium williamsoni (1)
- Dist.: BC
Records: 1. Anonymous 1981; 2. 1984
Remarks: The synonymy is according to Grinham and Cone (1990), whose publication has date priority over Landsberg and Lom (1991) who also listed *Myxobolus commersoni* as a n.comb. Margolis and Arthur (1979) reported a previous Canadian record as *Myxosoma commersonii*.
- Myxobolus conspicuus* Kudo, 1929 (FW)
Site: skin
Hosts: *Phoxinus eos* (2)
Phoxinus neogaeus (1,2)
Dist.: Ont
Records: 1. Dechtiar et al. 1988; 2. Dechtiar et al. 1989
- Myxobolus couesii* Fantham, Porter, and Richardson, 1939 (FW)
Site: eye
Host: *Couesius plumbeus*
Dist.: Ont
Record: Dechtiar et al. 1989
Remarks: This species is not listed in Landsberg and Lom (1991).
- Myxobolus cyprinicola* Reuss, 1906 (FW)
Sites: brain, heart
Host: *Lepomis gibbosus*
Dist.: Ont
Record: Li and Desser 1985a
- Myxobolus dentium* Fantham, Porter, and Richardson, 1939 (FW)
Site: mouth tissue
Host: *Esox masquinongy*
Dist.: Ont
Record: Dechtiar and Christy 1988
- Myxobolus ellipticoides* (Fantham, Porter, and Richardson, 1939) Grinham and Cone, 1990 (FW)
Syn.: *Myxosoma ellipticoides* Fantham, Porter, and Richardson, 1939
Remarks: The synonymy is according to Grinham and Cone (1990), whose publication has date priority over Landsberg and Lom (1991) who also listed *Myxobolus ellipticoides* as a n.comb. Margolis and Arthur (1979) reported a previous Canadian record as *Myxosoma ellipticoides*.
- Myxobolus fanthami* Landsberg and Lom, 1991 (FW)
Syn.: *Myxobolus grandis* Fantham, Porter, and Richardson, 1939
Sites: brain, gills, muscle, liver
Hosts: *Luxilus cornutus* (1)
Notropis hudsonius (2,3)
Dist.: Ont
Records: 1. Li and Desser 1985a; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988

- Remarks: The synonymy is according to Landsberg and Lom (1991) who proposed *Myxobolus fanthami* nom. nov. for *Myxobolus grandis* Fantham, Porter, and Richardson, 1939 which was preoccupied by *Myxobolus grandis* (Kudo, 1934) n.comb.
- Myxobolus grandis* (Kudo, 1934) Landsberg and Lom, 1991 (FW)
Syn.: *Myxosoma grandis* Kudo, 1934.
Remarks: The synonymy is according to Landsberg and Lom (1991). Margolis and Arthur (1979) listed a previous Canadian record as *Myxobolus grandis*.
- Myxobolus heterolepis* Li and Desser, 1985 (FW)
Sites: brain, eye
Host: *Notropis heterolepis*
Dist.: Ont
Record: Li and Desser 1985a
- Myxobolus inornatus* Fish, 1939 (FW)
Site: musculature
Host: *Micropterus dolomieu* (1,2)
Dist.: Ont
Records: 1. Dechtiar and Nepszy 1988; 2. Dechtiar et al. 1989
- Myxobolus lamellus* Grinham and Cone, 1990 (FW)
Site: gills
Host: *Catostomus commersoni*
Dist.: NS
Record: Grinham and Cone 1990
- Myxobolus lepomicus* Li and Desser, 1985 (FW)
Sites: gall bladder, gills, intestine, heart, muscle, swimbladder
Host: *Lepomis gibbosus*
Dist.: Ont
Record: Li and Desser 1985a
- Myxobolus lii* Desser, 1993 (FW)
Syn.: *Myxobolus gibbosus* Li and Desser, 1985
Sites: kidney, liver, spleen, swimbladder, ureters
Host: *Lepomis gibbosus*
Dist.: Ont
Record: Li and Desser 1985a
Remarks: The synonymy is according to Desser (1993) who proposed this replacement name because *Myxobolus gibbosus* Li and Desser, 1985 was preoccupied by *Myxobolus gibbosus* Herrick, 1941. However, Landsberg and Lom (1991) stated on p. 179 that "*Myxobolus gibbosus* Li & Desser, 1985 is most probably a synonym of *M. uvuliferus* Cone & Anderson, 1972 [sic.] which is found in the same host, *Lepomis gibbosus*".
- Myxobolus medius* (Fantham, Porter, and Richardson, 1939) Landsberg and Lom, 1991 (FW)
- Syn.: *Myxosoma media* Fantham, Porter, and Richardson, 1939
Remarks: The synonymy is according to Landsberg and Lom (1991). Margolis and Arthur (1979) listed a previous Canadian record as *Myxosoma media*.
- Myxobolus meglitschi* Grinham and Cone, 1990 (FW)
Syn.: *Myxosoma rotundum* Meglitsch, 1937
Site: gills
Host: *Carpiodes cyprinus*
Dist.: Ont
Records: Dechtiar et al. 1988; Dechtiar and Nepszy 1988
Remarks: Grinham and Cone (1990) proposed this new name for Meglitsch's *Myxosoma rotundum* as did Landsberg and Lom (1991). However, Grinham and Cone have date of publication priority. Margolis and Arthur (1979) reported previous Canadian records as *Myxosoma rotundum*.
- Myxobolus microlatus* Li and Nie, 1965 (FW)
Sites: gills, intestine, kidney, liver, muscle, spleen
Host: *Luxilus cornutus*
Dist.: Ont
Record: Li and Desser 1985a
Remarks: Landsberg and Lom (1991) cited the authority for this species as Li and Nie in Chen, 1973.
- Myxobolus microthecus* (Meglitsch, 1942) Grinham and Cone, 1990 (FW)
Syn.: *Myxosoma microthecum* Meglitsch, 1942
Myxobolus microthecum (Meglitsch, 1942) of Arai and Mudry, 1983, and Anonymous, 1978
Sites: gall bladder, kidney, intestine
Hosts: *Rhinichthys cataractae* (1,2)
Richardsonius balteatus (1,2)
Thymallus arcticus (1)
Dist.: BC
Records: 1. Anonymous 1978; 2. Arai and Mudry 1983
Remarks: Anonymous (1978) recorded this parasite from *Thymallus arcticus* in the parasite-host list only. The synonymy is according to Grinham and Cone (1990) whose publication has date priority over Landsberg and Lom (1991) who also listed *Myxobolus microthecus* as a n.comb.
- Myxobolus muelleri* Bütschli, 1882 (FW)
Sites: gills, ureters
Host: *Semotilus atromaculatus*
Dist.: Ont
Record: Li and Desser 1985a
- Myxobolus musculi* Keysseltz, 1908 (FW)
Sites: eye, heart, kidney, muscle, ureters, urinary bladder
Host: *Notemigonus crysoleucas*
Dist.: Ont

- Record: Li and Desser 1985a
- Myxobolus musculosus* Grinham and Cone, 1990 (FW)
 Syn.: *Myxosoma catostomi* Kudo, 1923
 Remarks: Grinham and Cone (1990) proposed this new name for Kudo's *Myxosoma catostomi*. However, Landsberg and Lom (1991) stated that *Myxosoma catostomi* Kudo, 1923 was identical with that named *Myxobolus catostomi* Fantham, Porter, and Richardson, 1939. Margolis and Arthur (1979) reported previous Canadian records as both *Myxosoma catostomi* and *Myxobolus catostomi*.
- Myxobolus nemachili* Weiser, 1949 (FW)
 Sites: brain, gills, intestine, heart, muscle, swimbladder
 Hosts: *Luxilus cornutus*
Notropis heterolepis
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxobolus neurobius* Schuberg and Schröder, 1905 (FW)
 Sites: brain, spinal cord
 Hosts: *Oncorhynchus keta* (1,2)
Oncorhynchus kisutch (1,2)
Oncorhynchus mykiss (1,2)
Oncorhynchus tshawytscha (1,2)
Prosopium williamsoni (1)
Salmo salar (3)
Salvelinus alpinus (3)
Salvelinus malma (1,2)
 Dist.: BC, Nfld
 Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Maloney et al. 1991 (Nfld)
 Remarks: The occurrence of *Myxobolus neurobius* in salmonids from Canada requires verification. All Canadian records of this species may be referable to *Myxobolus arcticus*.
- Myxobolus notemigoni* Lewis and Summerfelt, 1964 (FW)
 Site: skin
 Host: *Notemigonus crysoleucas*
 Dist.: Ont
 Record: Dechtiar et al. 1989
- Myxobolus notropis* Fantham, Porter, and Richardson, 1939 (FW)
 Syn.: *Myxosoma notropis* Fantham, Porter, and Richardson, 1939
 Sites: brain, intestine, liver, kidney, muscle, nares, spleen, swimbladder, ureters, abdominal cysts
 Hosts: *Luxilus cornutus* (1)
Notemigonus crysoleucas (2)
 Dist.: Ont
 Records: 1. Desser and Patterson 1978; 2. Li and Desser 1985a
 Remarks: According to Landsberg and Lom (1991), Fantham, Porter, and Richardson (1939) described both *Myxobolus notropis* and *Myxosoma notropis* from different tissues of the same *Notropis cornutus* host based chiefly on spore size. Landsberg and Lom concluded that it seemed likely that these two species were the same.
- Myxobolus orbitalis* (Fantham, Porter, and Richardson, 1939) Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma orbitalis* Fantham, Porter, and Richardson, 1939
 Remarks: The synonymy is according to Landsberg and Lom (1991). Margolis and Arthur (1979) listed a previous Canadian record as *Myxosoma orbitalis*.
- Myxobolus osburni* Herrick, 1936 (FW)
 Site: mesenteries
 Host: *Lepomis gibbosus*
 Dist.: Ont
 Record: Dechtiar et al. 1989
- Myxobolus paraellipticoides* (Fantham, Porter, and Richardson, 1939) Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma paraellipticoides* Fantham, Porter, and Richardson, 1939
 Remarks: The synonymy is according to Landsberg and Lom (1991). Margolis and Arthur (1979) listed a previous Canadian record as *Myxosoma paraellipticoides* [sic].
- Myxobolus paralintoni* Li and Desser, 1985 (FW)
 Site: heart
 Host: *Lepomis gibbosus*
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxobolus pellicides* Li and Desser, 1985 (FW)
 Site: gills
 Host: *Semotilus atromaculatus*
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxobolus pendula* (Guilford, 1967) Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma pendula* Guilford, 1967
 Site: gills
 Hosts: *Semotilus atromaculatus* (1,2)
Semotilus margarita (3)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar et al. 1989
 Remarks: The synonymy is according to Landsberg and Lom (1991).
- Myxobolus pfrille* (Fantham, Porter, and Richardson, 1939) Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma pfrille* Fantham, Porter, and Richardson, 1939

- Remarks: The synonymy is according to Landsberg and Lom (1991). Margolis and Arthur (1979) listed a previous Canadian Record as *Myxosoma pfrille*.
- Myxobolus poecilichthidis* Fantham, Porter, and Richardson, 1939 (FW)
 Site: gills
 Host: *Lepomis gibbosus*
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxobolus procercus* (Kudo, 1934) Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma procerum* Kudo, 1934
 Sites: skin, musculature
 Host: *Percopsis omiscomaycus*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar et al. 1989
 Remarks: The synonymy is according to Landsberg and Lom (1991).
- Myxobolus pseudokoi* Li and Desser 1985 (FW)
 Sites: gills, skin
 Host: *Luxilis cornutus*
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxobolus scardini* Reuss, 1906 (FW)
 Sites: intestine, kidney
 Host: *Notropis heterolepis*
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxobolus schuberti* Li and Desser, 1985 (FW)
 Sites: brain, kidney, muscle, nares, spleen
 Host: *Luxilis cornutus*
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxobolus scleroperca* (Guilford, 1963) Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma scleroperca* Guilford, 1963
 Sites: fins, eye
 Hosts: *Perca flavescens* (2)
 Percina caprodes (1)
 Dist.: Ont
 Records: 1. Dechtiar et al. 1988; 2. Dechtiar and Nepszy 1988
 Remarks: The synonymy is according to Landsberg and Lom (1991).
- Myxobolus spalli* Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma cyprini* Spall, 1974
 Site: gills
 Host: *Notemigonus crysoleucas*
 Dist.: Ont
 Record: Dechtiar et al. 1989
- Remarks: The synonymy is according to Landsberg and Lom (1991).
- Myxobolus squamalis* (Iversen, 1954) Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma squamalis* Iversen, 1954
 Remarks: The synonymy is according to Landsberg and Lom (1991). Margolis and Arthur (1979) listed previous Canadian records as *Myxosoma squamalis*.
- Myxobolus subcircularis* Fantham, Porter, and Richardson, 1939 (FW)
 Site: cysts embedded in abdominal musculature
 Host: *Catostomus commersoni*
 Dist.: NB
 Record: Cone 1983
- Myxobolus subtecalis* (Bond, 1938) Landsberg and Lom, 1991 (FW)
 Syn.: *Myxosoma subtecalis* Bond, 1938
 Remarks: The synonymy is according to Landsberg and Lom (1991). Margolis and Arthur (1979) listed a previous Canadian record as *Myxosoma subtecalis*.
- Myxobolus wellerae* Li and Desser, 1985 (FW)
 Site: muscle
 Host: *Luxilis cornutus*
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxobolus* spp. (FW)
 Syn.: *Myxosoma* spp.
 Sites: gills, fins, gall bladder, intestine, heart, kidney, liver, brain, spinal cord, gonads
 Hosts: *Ambloplites rupestris* (10,11)
 Carpiodes cyprinus (9)
 Catostomus catostomus (1,2,3,6,7)
 Catostomus columbianus (1,6)
 Catostomus commersoni (1,6)
 Catostomus macrocheilus (1,2,3,6)
 Coregonus clupeaformis (1,6)
 Cottus asper (2,3)
 Cottus cognatus (1,6)
 Lepomis gibbosus (10)
 Lota lota (1,6,10,12)
 Luxilis cornutus (4,8,13)
 Micropterus salmoides (10)
 Moxostoma macrolepidotum (10,11)
 Mylocheilus caurinus (1,3,6)
 Notemigonus crysoleucas (5,7,10)
 Notropis hudsonius (11)
 Oncorhynchus nerka (1,5)
 Oncorhynchus tshawytscha (1,6)
 Perca flavescens (12)
 Pomoxis nigromaculatus (10)
 Ptychocheilus oregonensis (1,2,3,6)
 Rhinichthys cataractae (1,6,10)
 Richardsonius balteatus (1,3,6)

Salvelinus malma (1,6)
Stizostedion vitreum vitreum (10)
Thymallus arcticus (1,6)

Dist.: BC, Man, Ont, NB, NS

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Desser and Paterson 1978b (Ont); 5. Gowen and Desser 1982 (Ont); 6. Arai and Mudry 1983 (BC); 7. Cone and Wiles 1985b (NB, NS); 8. Ferguson et al. 1985 (Ont); 9. Szalai and Dick 1987a (Man); 10. Dechtiar and Christie 1988 (Ont); 11. Dechtiar et al. 1988 (Ont); 12. Dechtiar and Lawrie 1988 (Ont); 13. Dechtiar et al. 1989 (Ont)

Remarks: Landsberg and Lom (1991) synonymized the genus *Myxosoma* with the genus *Myxobolus*. Margolis and Arthur (1979) listed previous Canadian records for both *Myxobolus* spp. and *Myxosoma* sp. Anonymous (1978) recorded this parasite from *Thymallus arcticus* in the host parasite list only.

Thelohanellus notatus (Mavor, 1916) Kudo, 1933 (FW)

Sites: eye, fins, kidney, muscle, nares, skin, spleen

Hosts: *Luxilus cornutus* (1,2,3)

Notemigonus crysoleucas (1)

Notropis heterolepis (1)

Notropis hudsonius (5)

Phoxinus neogaeus (4)

Pimephales notatus (2,3)

Dist.: Ont

Records: 1. Li and Desser 1985a; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar et al. 1989; 5. Beis and Cone 1990

Thelohanellus oviformis Li and Desser, 1985 (FW)

Sites: eye, muscle

Host: *Notemigonus crysoleucas*

Dist.: Ont

Record: Li and Desser 1985a

Unicauda crassicauda (Kudo, 1934) Davis, 1944 (FW)

Sites: gills, gall bladder, kidney, intestine, musculature

Host: *Ptychocheilus oregonensis* (1,2,3,4)

Dist.: BC

Records: 1. Anonymous 1978; 2. 1981; 3. 1984; 4. Arai and Mudry 1983

SUBORDER SPHAEROMYXINA

Family SPHAEROMYXIDAE

Sphaeromyxa balbianii Thélohan, 1892 (M)

Site: gall bladder

Host: *Triglops murrayi*

Dist.: Atl

Records: Khan et al. 1983; Khan et al. 1986

SUBORDER VARIISPORINA

Family AUERBACHIIDAE

Auerbachia pulchra Lom, Noble, and Laird, 1975 (M)

Site: gall bladder

Hosts: *Chalinura brevibarbis* (2)

Coryphaenoides rupestris (1,2,4)

Macrourus berglax (2,3,5,6)

Nezumia bairdi (2)

Dist.: E Arc, Atl

Records: 1. Szuks 1980 (Atl); 2. Zubchenko 1981 (Atl, E Arc), 3. Khan et al. 1983 (Atl, E Arc); 4. Zubchenko 1985b (E Arc, Atl); 5. Khan et al. 1986 (E Arc, Atl); 6. Threlfall and Khan 1990 (Atl)

Auerbachia sp. (M)

Site: gall bladder

Host: *Coryphaenoides rupestris*

Dist.: Atl

Record: Zubchenko 1976

Family CERATOMYXIDAE

Ceratomyxa acadensis Mavor, 1915 (M)

Site: gall bladder

Hosts: *Macrozoarces americanus*

Pleuronectes americanus

Dist.: Atl

Record: Khan et al. 1986

Ceratomyxa auerbachii Kabata, 1962 (M)

Sites: gall bladder, intestine

Hosts: *Clupea harengus* (3)

Clupea pallasii (1,2)

Dist.: Pac, Atl

Records: 1. Arthur and Arai 1980a (Pac); 2. 1980b (Pac); 3. McGladdery and Burt 1985 (Atl)

Ceratomyxa drepanopsettae Awerinzew, 1908 (M)

Site: gall bladder

Hosts: *Glyptocephalus cynoglossus* (1,4)

Hippoglossoides platessoides (1,2,3,4)

Hippoglossus hippoglossus (1,4)

Pleuronectes americanus (4)

Pleuronectes ferrugineus (4)

Reinhardtius hippoglossoides (1,4,5,6,7,8,9)

Dist.: E Arc, Atl

Records: 1. Zubchenko 1980 (Atl); 2. Khan et al. 1983 (Atl); 3. Zubchenko 1985a (Atl); 4. Khan et al. 1986 (E Arc, Atl); 5. Wierzbicka 1988 (Atl); 6. 1990 (Atl); 7. 1991a (Atl); 8. 1991b (Atl); 9. Krzykawski and Wierzbicka 1992 (Atl)

- Ceratomyxa hopkinsi* Jameson, 1929 (M) (1984) was based on discovery of this parasite in *Oncorhynchus keta* (T.E. McDonald, unpublished data).
 Site: gall bladder
 Hosts: *Atheresthes stomias*
Microstomus pacificus
Pleuronectes bilineatus
Pleuronectes vetulus
 Dist.: Pac
 Record: Kabata and Whitaker 1984
- Ceratomyxa longispina* Petrushevskii, 1932 (M)
 Site: gall bladder
 Hosts: *Macrozoarces americanus*
Myoxocephalus octodecemspinosus
Myoxocephalus scorpius
 Dist.: Atl
 Record: Khan et al. 1986
 Remarks: The record of this parasite from *Macrozoarces americanus* by Khan et al. (1986) was found only in the host-parasite table.
- Ceratomyxa macrospora* (Auerbach, 1909) Lom, 1970 (M)
 Site: gall bladder
 Hosts: *Sebastes fasciatus*
Sebastes mentella
Sebastes norvegicus
 Dist.: Atl
 Records: Khan et al. 1983; 1986
- Ceratomyxa ramosa* Awerinzew, 1907 (M)
 Site: gall bladder
 Hosts: *Hippoglossus hippoglossus*
Reinhardtius hippoglossoides
 Dist.: Atl
 Record: Zubchenko 1980
- Ceratomyxa shasta* Noble, 1950 (FW)
 Sites: pyloric caeca, intestine, gall bladder, kidney
 Hosts: *Oncorhynchus clarki* (5)
Oncorhynchus gorbusha (12)
Oncorhynchus kisutch (5)
Oncorhynchus mykiss (5,15)
Oncorhynchus tshawytscha (1,2,3,4,5,6,7,8,9,10,13,14,15,16,17,18)
 Salmonidae gen.sp. (11)
 Dist.: BC, YT
 Records: 1. Anonymous 1978(BC); 2. Tutty 1979 (BC); 3. Anonymous 1981 (BC); 4. Arai and Mudry 1983 (BC); 5. McDonald 1983 (BC); 6. Anonymous 1984 (BC); 7. Ching 1984b (exper); 8. 1984d (BC); 9. Ching and Munday 1984a (exper); 10. 1984b (exper); 11. McDonald 1984 (BC, YT); 12. Bell and Traxler 1985 (BC); 13. Bower 1985 (BC, exper); 14. Bower and Margolis 1985b (exper); 15. Ching 1986 (exper); 16. Margolis 1986 (BC); 17. Margolis et al. 1988 (BC); 18. Margolis et al. 1992 (BC)
 Remarks: The *Ceratomyxa shasta* record from Salmonidae from the Yukon Territory by McDonald
- Ceratomyxa* spp. (FW,M)
 Sites: intestine, gall bladder
 Hosts: *Antimora rostrata* (3)
Catostomus macrocheilus (1,2)
 Dist.: BC, Atl
 Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. Threlfall and Khan 1990 (Atl)
- Leptothecca minima* Meglitsch, 1960 (M)
 Site: gall bladder
 Host: *Hippoglossoides platessoides*
 Dist.: Atl
 Record: Khan et al. 1983
- Leptothecca simplex* Kovaleva and Zubchenko, 1984 (M)
 Site: urinary bladder
 Host: *Hippoglossus hippoglossus*
 Dist.: E Arc
 Record: Kovaleva and Zubchenko 1984
- Leptothecca* spp. (FW,M)
 Sites: kidney, gall bladder
 Hosts: *Clupea pallasii* (2)
Glyptocephalus cynoglossus (5)
Hippoglossoides platessoides (5)
Hippoglossus hippoglossus (3,5)
Myoxocephalus octodecemspinosus (5)
Oncorhynchus mykiss (1,4)
Pleuronectes americanus (5)
Pleuronectes ferrugineus (5)
Sebastes flavidus (6,7)
 Dist.: BC, Pac, Atl, E Arc
 Records: 1. Anonymous 1978 (BC); 2. Arthur and Arai 1980a (Pac); 3. Zubchenko 1980 (Atl); 4. Arai and Mudry 1983 (BC); 5. Khan et al. 1986 (E Arc, Atl); 6. Lee et al. 1990 (Pac); 7. Stanley et al. 1992 (Pac)
- Family CHLOROMYXIDAE
- Chloromyxum catostomi* Kudo, 1920 (FW)
 Site: gall bladder
 Hosts: *Lota lota*
Ptychocheilus oregonensis
 Dist.: BC
 Records: Anonymous 1981; 1984
- Chloromyxum coregoni* Bauer, 1948 (FW)
 Sites: gall bladder, intestine
 Host: *Oncorhynchus nerka*
 Dist.: BC
 Record: Bailey and Margolis 1987
- Chloromyxum esocinum* Dogiel, 1934 (FW)
 Site: gall bladder

- Host: *Notemigonus crysoleucas*
Dist.: Ont
Record: Li and Desser 1985a
- Chloromyxum granulosum* Davis, 1917 (FW)
Site: gall bladder
Host: *Catostomus macrocheilus*
Dist.: BC
Records: Anonymous 1978; Arai and Mudry 1983
- Chloromyxum montschadskii* Shulman, 1962 (FW)
Site: gall bladder
Host: *Ptychocheilus oregonensis*
Dist.: B.C.
Records: Anonymous 1978; Arai and Mudry 1983
- Chloromyxum trijugum* Kudo, 1920 (FW)
Site: gall bladder
Host: *Lepomis gibbosus*
Dist.: Ont
Record: Li and Desser 1985a
- Chloromyxum truttiae* Léger, 1906 (FW)
Sites: gall bladder, kidney
Host: *Salvelinus fontinalis* (1,2,3)
Dist.: NB, NS
Records: 1. Frimeth 1987a (NB); 2. 1987b (NB); 3. Cone and Cusack 1991 (NS)
- Chloromyxum* sp. (FW)
Sites: [gall bladder, intestine]
Hosts: *Oncorhynchus nerka* (2)
Salvelinus namaycush (1)
Dist.: BC
Records: 1. Anonymous 1984; 2. Bailey and Margolis 1987
- Family MYXIDIIDAE
- Myxidium bergense* Auerbach, 1910 (M)
Site: gall bladder
Hosts: *Hippoglossoides platessoides* (2)
Melanogrammus aeglefinus (1)
Dist.: Atl
Records: 1. Scott 1981; 2. Khan et al. 1983
- Myxidium commersoni* Cone, Grinham, and Odense, 1992 (FW)
Site: gall bladder
Host: *Catostomus commersoni*
Dist.: NS
Record: Cone et al. 1992
- Myxidium coryphaenoidium* Noble, 1966 (M)
Site: gall bladder
Hosts: *Antimora rostrata* (3)
Coryphaenoides rupestris (1,3)
- Macrourus berglax* (2)
Nematonurus armatus (3)
Nezumia bairdi (2)
Dist.: Atl, E Arc
Records: 1. Szuks 1980 (Atl); 2. Khan et al. 1986 (E Arc, Atl); 3. Threlfall and Khan 1990 (Atl)
- Myxidium gadi* Géorgevich, 1916 (M)
Site: gall bladder
Hosts: *Gadus morhua* (1,2)
Melanogrammus aeglefinus (3)
Pollachius virens (3)
Dist.: Atl
Records: 1. Khan et al. 1983; 2. Khan et al. 1986; 3. Morrison et al. 1986
- Myxidium giardi* Cépède, 1906 (FW,M)
Syn.: *Myxidium zealandicum* Hine, 1975.
Remarks: The synonymy is according to Hine (1980). Margolis and Arthur (1979) reported Canadian records as *Myxidium zealandicum*.
- Myxidium illinoisense* Meglitsch, 1937 (FW)
Sites: gills, kidney
Host: *Anguilla rostrata*
Dist.: Ont
Record: Dechtiar and Christie 1988
- Myxidium incurvatum* Thélohan, 1895 (M)
Site: gall bladder
Hosts: *Anarhichas lupus* (1)
Hemipterus americanus (1)
Hippoglossoides platessoides (1)
Macrozoarces americanus (1)
Myoxocephalus octodecenspinosus (1)
Myoxocephalus scorpius (1)
Pleuronectes americanus (1)
Reinhardtius hippoglossoides (2,3,4,5,6)
Dist.: Atl
Records: 1. Khan et al. 1986; 2. Wierzbicka 1988; 3. 1990; 4. 1991a; 5. 1991b; 6. Krzykawski and Wierzbicka 1992
Remarks: The record by Khan et al. (1986) for this parasite from *Hippoglossoides platessoides* was found only in the host-parasite table.
- Myxidium inflatum* Auerbach, 1909 (M)
Site: gall bladder
Host: *Cyclopterus lumpus*
Dist.: Atl
Record: Khan et al. 1986
- Myxidium japonicum* Dogiel, 1948 (M)
Site: gall bladder
Host: *Sebastes flavidus*
Dist.: Pac
Records: Lee et al. 1990; Stanley et al. 1992

- Myxidium macrocapsulare* Auerbach, 1910 (FW)
 Site: kidney
 Host: *Notropis heterolepis*
 Dist.: Ont
 Record: Li and Desser 1985a
- Myxidium macrocheili* Mitchell, 1967 (FW)
 Sites: gall bladder, intestine
 Host: *Catostomus macrocheilus*
 Dist.: BC
 Records: Anonymous 1978; 1981; 1984; Arai and Mudry 1983
- Myxidium melanocetum* Noble, 1966 (M)
 Site: gall bladder
 Hosts: *Coryphaenoides rupestris* (1,2,3)
Macrourus berglax (1)
 Dist.: Atl
 Records: 1. Zubchenko and Krasin 1980; 2. Zubchenko 1981; 3. 1985b
 Remarks: In the paper by Zubchenko and Krasin (1980) it was not clear whether both hosts, which occur off the Canadian Atlantic, were found to be infected by this parasite in Canadian waters.
- Myxidium melanostigmum* Noble, 1966 (M)
 Site: gall bladder
 Host: *Coryphaenoides rupestris* (1,2,3)
 Dist.: E Arc, Atl
 Records: 1. Zubchenko and Krasin 1980 (Atl); 2. Zubchenko 1981 (Atl, E Arc); 3. 1985b (Atl, E Arc)
- Myxidium oviforme* Parisi, 1912 (M)
 Site: gall bladder
 Hosts: *Anarhichas lupus*
Hemitripterus americanus
Hippoglossoides platessoides
Macrozoarces americanus
Myoxocephalus octodecemspinosus
Myoxocephalus scorpius
Pleuronectes americanus
 Dist.: Atl
 Record: Khan et al. 1986
 Remarks: The record by Khan et al. (1986) for this parasite from *Hippoglossoides platessoides* was found in the host-parasite table only.
- Myxidium profundum* Zubchenko, 1981 (M)
 Syn.: *Myxidium noblei* Zubchenko in Zubchenko and Krasin, 1980, preoccupied
 Site: gall bladder
 Hosts: *Coryphaenoides rupestris* (1,2)
Nezumia bairdi (2)
 Dist.: Atl, E Arc
 Records: 1. Zubchenko and Krasin 1980 (Atl); 2. Zubchenko 1981 (Atl, E Arc)
- Myxidium salvelini* Konovalov and Shulman, 1930 (FW)
 Sites: urinary bladder, kidney
 Host: *Oncorhynchus nerka* (1,2,3,4)
 Dist.: BC, Pac
 Records: 1. Bailey and Margolis 1987 (BC); 2. Bailey et al. 1988 (Pac); 3. Bailey et al. 1989 (BC); 4. Higgins et al. 1993 (BC)
- Myxidium sphaericum* Thélohan, 1895 (M)
 Site: gall bladder
 Hosts: *Anarhichas denticulatus* (1,3)
Anarhichas lupus (1,3,4)
Anarhichas minor (1,3,4)
Glyptocephalus cynoglossus (1,4)
Hippoglossoides platessoides (1,2,4)
Hippoglossus hippoglossus (1,4)
Liparis atlanticus (4)
Lycodes lavalaei (4)
Lycodes vahlia (4)
Lycodes sp. (3)
Reinhardtius hippoglossoides (1,4)
Sebastes fasciatus (4)
Sebastes mentella (4)
 Dist.: Atl
 Records: 1. Zubchenko 1980; 2. 1985a; 3. Khan et al. 1983; 4. Khan et al. 1986
 Remarks: Although the hosts were not specifically named by Khan et al. (1983) who reported finding this parasite in "... three species of Atlantic wolffishes ...", the three species of *Anarhichas* listed above are the only Canadian species of wolffishes.
- Myxidium theragrae* Fujita, 1923 (M)
 Site: gall bladder
 Host: *Theragra chalcogramma*
 Dist.: Pac
 Records: Arthur 1984; Kabata and Whitaker 1984
- Myxidium* spp. (FW)
 Sites: kidney, intestine, urinary bladder, gall bladder
 Hosts: *Melanogrammus aeglefinus* (7)
Oncorhynchus gorbusha (2,3)
Oncorhynchus keta (2,3)
Oncorhynchus kisutch (2,3)
Oncorhynchus nerka (5)
Oncorhynchus tshawytscha (1,4)
Perca flavescens (6)
Prosopium williamsoni (1,4)
Sebastes flavidus (8,9)
 Dist.: Pac, BC, Ont, Atl
 Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Groot et al. 1984 (BC); 6. Li and Desser 1985a (Ont); 7. Morrison et al. 1986 (Atl); 8. Lee et al. 1990 (Pac); 9. Stanley et al. 1992 (Pac)
- Zschokkella hildae* Auerbach, 1910 (M)
 Sites: urinary bladder, kidney

Hosts: *Coryphaenoides rupestris* (1)
Gadus morhua (4)
Theragra chalcogramma (2,3)
 Dist.: Pac, Atl
 Records: 1. Zubchenko 1981 (Atl); 2. Arthur 1984 (Pac), 3. Kabata and Whitaker 1984 (Pac); 4. Morrison et al. 1986 (Atl)
 Remarks: The report by Morrison et al. (1986) was based on a tentative parasite identification as "...spores found in cod kidney could be *Zschokkella hilda*..."

Zschokkella kudo Moser and Noble, 1977 (M)
 Site: kidney
 Host: *Macrourus berglax*
 Dist.: Atl
 Record: Zubchenko 1981

Zschokkella russelli Tripathi, 1948 (M)
 Site: gall bladder
 Host: *Gadus morhua*
 Dist.: Atl
 Record: Khan et al. 1986

Zschokkella sp. (M)
 Site: gall bladder
 Hosts: *Atheresthes stomias*
Pleuronectes bilineatus
 Dist.: Pac
 Record: Kabata and Whitaker 1984

Family ORTHOLINEIDAE

Neomyxobolus ophiocephalus Chen and Hsieh, 1960 (FW)
 Site: kidney
 Hosts: *Catostomus catostomus* (1,2)
Catostomus commersoni (1,2)
Catostomus macrocheilus (1,2)
 Dist.: BC
 Records: 1. Anonymous 1978; 2. Arai and Mudry 1983

Ortholinea divergens (Thélohan, 1895) Shulman, 1962 (M)
 Site: kidney
 Hosts: *Atheresthes stomias* (3)
Hippoglossoides platessoides (1,2)
Microstomus pacificus (3)
Reinhardtius hippoglossoides (1,4,5,6,7)
 Dist.: Pac, Atl
 Records: 1. Zubchenko 1980 (Atl); 2. 1985a (Atl); 3. Kabata and Whitaker 1984 (Pac); 4. Wierzbicka 1988 (Atl); 5. 1991a (Atl); 6. 1991b (Atl); 7. Krzykawski and Wierzbicka 1992 (Atl)

Ortholinea orientalis (Shulman and Shulman-Albova, 1953) Shulman, 1962 (M)
 Site: kidney

Host: *Clupea pallasii*
 Dist.: Pac
 Record: Arthur and Arai 1980a

Family PARVICAPSULIDAE

Parvicapsula sp. (M)
 Site: kidney
 Hosts: *Oncorhynchus kisutch*
Oncorhynchus nerka
 Dist.: Pac
 Record: Kent 1992

Family SINUOLINEIDAE

Davisia amoena Gaevskaya, Kovaleva, and Umnova, 1980 (M)
 Site: gall bladder
 Host: *Hippoglossoides platessoides*
 Dist.: Atl
 Record: Gaevskaya et al. 1980

Davisia newfoundlandia Yoshino and Noble, 1973 (M)
 Sites: kidney, urinary bladder
 Host: *Macrourus berglax*
 Dist.: Atl
 Records: Gaevskaya et al. 1980; Zubchenko 1981

Davisia spp. (M)
 Site: urinary bladder
 Hosts: *Microstomus pacificus*
Pleuronectes bilineatus
Pleuronectes vetulus
 Dist.: Pac
 Record: Kabata and Whitaker 1984

Myxoproteus californicus Yoshino and Noble, 1973 (M)
 Site: urinary bladder
 Host: *Coryphaenoides rupestris*
 Dist.: Atl
 Record: Szuks 1980

Myxoproteus meridionalis Evdokimova, 1977 (M)
 Syns.: *Conispora renalis* Sankurathri, 1977
Conispora meridionalis (Evdokimova, 1977) Sankurathri, Kabata, and Whitaker, 1983
 Site: kidney
 Hosts: *Atheresthes stomias* (2)
Merluccius productus (1)
Microstomus pacificus (2)
 Dist.: Pac
 Records: 1. Sankurathri et al. 1983; 2. Kabata and Whitaker 1984
 Remarks: Kovaleva et al. (1983) synonymized *Conispora* with *Myxoproteus*. This synonymy was followed by Lom and Noble (1984) and reaffirmed by Kovaleva

(1989). Wierzbicka (1986) incorrectly considered *Conispora* to be valid and considered *Myxoproteus meridionalis* to be a synonym of *Conispora renalis*. However, *Myxoproteus meridionalis* has chronological date of publication priority over *Conispora renalis*, as noted by Sankurathri et al. (1983).

Myxoproteus reinhardti (Wierzbicka, 1986) Kovaleva, 1989 (M)

Syn.: *Paramyxoproteus reinhardti* Wierzbicka, 1986
 Site: urinary bladder
 Host: *Reinhardtius hippoglossoides*
 Dist.: Atl
 Records: Wierzbicka 1986; 1988; 1990; 1991a; 1991b; Krzykawski and Wierzbicka 1992
 Remarks: Kovaleva (1989) synonymized the genus *Paramyxoproteus* Wierzbicka, 1986 with the genus *Myxoproteus*.

Myxoproteus sp. (M)

Site: gall bladder
 Hosts: *Hippoglossoides platessoides*
Reinhardtius hippoglossoides
 Dist.: Atl
 Record: Zubchenko 1980

Noblea admiranda Kovaleva, 1989 (M)

Site: urinary bladder
 Host: *Urophycis chuss*
 Dist.: Atl
 Record: Kovaleva 1989

Schulmania aenigmatica Kovaleva, Zubchenko, and Krasin, 1983 (M)

Site: urinary bladder
 Host: *Hippoglossoides platessoides*
 Dist.: Atl
 Records: Kovaleva et al. 1983; Zubchenko 1985a

Schulmania ovale Kovaleva, Zubchenko, and Krasin, 1983 (M)

Site: urinary bladder
 Host: *Lycodes esmarki*
 Dist.: Atl
 Record: Kovaleva et al. 1983

Schulmania quadrilobata Kovaleva, Zubchenko, and Krasin, 1983 (M)

Site: urinary bladder
 Host: *Reinhardtius hippoglossoides*
 Dist.: E Arc, Atl
 Record: Kovaleva et al. 1983

Family SPHAEROSPORIDAE

Myxobilatus cotti Guilford, 1965 (FW)

Sites: kidney, ureters
 Host: *Lepomis gibbosus*
 Dist.: Ont
 Record: Li and Desser 1985a

Myxobilatus legeri (Cépède, 1905) Shulman, 1962 (FW)

Sites: kidney, ureters
 Host: *Notemigonus crysoleucas*
 Dist.: Ont
 Record: Li and Desser 1985a

Myxobilatus semotilii Li and Desser, 1985 (FW)

Site: ureters
 Host: *Semotilus atromaculatus*
 Dist.: Ont
 Record: Li and Desser 1985a

Palliatius indecorus Shulman, Kovaleva, and Dubina, 1979 (M)

Site: [gall bladder]
 Host: *Alepocephalus bairdi*
 Dist.: Atl
 Record: Zubchenko 1984

Sphaerospora araii Arthur and Lom, 1985 (M)

Site: kidney tubules
 Host: *Raja rhina*
 Dist.: Pac
 Record: Arthur and Lom 1985

Sphaerospora diminuta Li and Desser, 1985 (FW)

Sites: kidney, ureters
 Host: *Lepomis gibbosus*
 Dist.: Ont
 Records: Li and Desser 1985a; Lom et al. 1989

Sphaerospora hankai Lom, Desser, and Dykova, 1989 (FW)

Site: kidney tubules
 Host: *Ameiurus nebulosus*
 Dist.: Ont
 Record: Lom et al. 1989

Sphaerospora oncorhynchi Kent, Whitaker, and Margolis, 1993 (FW)

Syn.: *Sphaerospora* sp. of Kent, Kumi, Whitaker, and Margolis, 1993
 Site: kidney
 Host: *Oncorhynchus nerka*
 Dist.: BC
 Records: Kent, Whitaker, and Margolis 1993b; Kent, Kumi et al. 1993

Sphaerospora paulini Lom, Desser, and Dykova, 1989 (FW)

Site: kidney tubules
 Host: *Semotilus atromaculatus*
 Dist.: Ont

Record: Lom et al. 1989

Sphaerospora sp. (FW)
Site: kidney
Host: *Salmo salar*
Dist.: NB
Record: Bennett and Wolke 1986

Wardia spp. (FW)
Site: kidney
Hosts: *Cottus cognatus* (1,2)
Lota lota (1,2)
Richardsonius balteatus (1,2)
Dist.: BC
Records: 1. Anonymous 1978; 2. Arai and Mudry 1983

ORDER MULTIVALVULIDA Family KUDOIDAE

Kudoa clupeiidae (Hahn, 1917) Meglitsch, 1947 (M)
Site: [cysts in musculature]
Host: *Clupea harengus*
Dist.: All
Record: Sindermann 1959

Kudoa paniformis Kabata and Whitaker, 1981 (M)
Site: musculature
Host: *Merluccius productus*
Dist.: Pac
Records: Kabata and Whitaker 1981; 1985; 1986;
Tsuyuki et al. 1982; Morado and Sparks 1986; Stehr
1986; Stehr and Whitaker 1986; Whitaker 1986;
Kudo et al. 1987

Kudoa thyrsites (Gilchrist, 1924) Meglitsch, 1947 (M)
Site: musculature
Hosts: *Atheresthes stomias* (4)
Hippoglossus stenolepis (17)
Merluccius productus (1,2,3,5,6,7,8,9,10,11,12)
Microstomus pacificus (4)
Oncorhynchus gorbusha (13)
Oncorhynchus kisutch (7,13,15)
Oncorhynchus mykiss (13)
Oncorhynchus tshawytscha (13)
Pleuronectes bilineatus (4)
Salmo salar (14,16)
Theragra chalcogramma (4)
Dist.: Pac, BC
Records: 1. Kabata and Whitaker 1981 (Pac); 2.
Tsuyuki et al. 1982 (Pac); 3. Sankurathri et al. 1983
(Pac); 4. Kabata and Whitaker 1984 (Pac); 5. 1985
(Pac); 6. 1986 (Pac); 7. Kabata et al. 1986 (Pac); 8.
Morado and Sparks 1986 (Pac); 9. Stehr and
Whitaker 1986 (Pac); 10. Whitaker 1986 (Pac); 11.
Kudo et al. 1987 (Pac); 12. Whitaker and Kabata
1987 (Pac); 13. Kabata and Whitaker 1989 (BC); 14.

Whitaker and Kent 1991 (Pac); 15. 1992 (Pac); 16.
Kent 1992 (Pac); 17. Trumble et al. 1993 (Pac)

Kudoa spp. (M)
Site: musculature
Hosts: *Caulolatilus princeps* (1)
Engraulis mordax (1)
Genyonemus lineatus (1)
Merluccius productus (1)
Sebastes diploproa (1)
Sebastes goodei (1)
Sebastes jordani (1)
Sebastes paucispinis (1)
Theragra chalcogramma (2)
Dist.: Pac
Records: 1. Krasin 1976; 2. Arthur 1984
Remarks: Krasin (1976) reported *Kudoa* as infecting
these hosts from Canada to Mexico; it was not clear
from his report whether all these hosts, which occur
off B.C., were infected in the Canadian area or
further south in their range.

Family TRILOSPORIDAE

Unicapsula muscularis Davis, 1924 (M)
Site: musculature
Hosts: *Atheresthes stomias*
Pleuronectes bilineatus
Pleuronectes vetulus
Dist.: Pac
Record: Kabata and Whitaker 1984

Unidentified Myxozoa

Myxosporea gen.sp. (PKX organism) (FW)
Site: kidney
Hosts: *Oncorhynchus clarki* (1)
Oncorhynchus kisutch (1)
Oncorhynchus mykiss (1)
Oncorhynchus tshawytscha (1)
Salvelinus alpinus (2)
Dist.: BC, Nfld
Records: 1. Hoskins and Kieser 1986 (BC); 2. Brown et
al. 1988 (Nfld, exper)
Remarks: The PKX organism, the cause of proliferative
kidney disease (PKD) of salmonids, is an
extrasporogonic form of a myxosporean, possibly of
the genus *Sphaerospora* (Kent, Whitaker, and
Margolis 1993; Kent, Margolis, Whitaker, Hoskins,
and McDonald 1994).

Myxosporea gen.spp. (FW,M)
Sites: nervous system, kidney tubules, bile ducts,
gonads, or not specified
Hosts: *Gadus morhua* (3)
Hippoglossoides platessoides (3)
Hippoglossus hippoglossus (3)
Luxilus cornutus (2)

Melanogrammus aeglefinus (3)
Pimephales promelas (1)
Pleuronectes ferrugineus (3)

Dist.: Alta, Ont, Atl

Records: 1. McAllister and Mudry 1983 (Alta); 2. Ferguson et al. 1985 (Ont); 3. Morrison et al. 1986 (Atl)

PHYLUM RHIZOPODA
SUBPHYLUM AMOEOBOZOA
CLASS LOBOSA
SUBCLASS TESTACEALOBOSA
ORDER ARCELLINIDA
SUBORDER EULOBOSINA
Family COCHLIPODIDAE

Cochliopodium sp. (FW)
Site: gills
Hosts: *Catostomus commersoni*
Luxilis cornutus
Dist.: Ont
Record: Ostland and Ferguson 1987 (Ont)

Unidentified Protozoa

Protozoa gen.spp. (FW,M)
Sites: gills, body surface
Hosts: *Culaea inconstans* (2)
Lycodes lavalaei (1)
Stizostedion vitreum vitreum (2)
Dist.: Alta, Atl
Records: 1. Desser and Khan 1980 (Atl); 2. McAllister and Mudry 1983 (Alta)

Protista Incertae Sedis

Dermocystidium spp. (FW)
Sites: gills; melanin-containing macrophages in cardiac muscle, liver, spleen, brain, kidney, gills
Hosts: *Coregonus clupeaformis* (1,4)
Lota lota (1,4)
Luxilis cornutus (7)
Oncorhynchus mykiss (3)
Oncorhynchus nerka (2,3)
Prosopium williamsoni (1,2,3,4)
Salmo salar (8)
Salvelinus fontinalis (5,6)
Thymallus arcticus (1,4)
Dist.: BC, Ont, NB, Atl

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Frimeth 1987a (NB); 6. 1987b (NB); 7. Dechtiar et al. 1989 (Ont); 8. Cawthorn 1990 (Atl)

KINGDOM ANIMALIA
SUBKINGDOM EUMETAZOA
PHYLUM CNIDARIA
CLASS HYDROZOA
ORDER FILIFERA
SUBORDER ANTHOMEDUSAE
Family PANDEIDAE

Hydrichthys sarcotretis (Jungersen, 1911) Lauckner, 1984 (M)

Syn.: *Ichthyocodium sarcotretis* Jungersen, 1911

Site: hyperparasitic on ectoparasitic pennellid or sphyriid copepods

Hosts: *Benthoosema glaciale* (1)
Sebastes mentella (2)

Dist.: E Arc, Atl

Records: 1. Jungersen 1912 (E Arc); 2. Templeman 1973 (Atl)

Remarks: Synonymy is according to M. N. Arai (1989).

ORDER TRACHYLINA
SUBORDER NARCOMEDUSAE
Family CUNINIDAE

Polypodium hydriforme Ussov, 1885 (FW)

Site: inside maturing eggs

Host: *Acipenser fulvescens*

Dist.: Sask, Man

Records: Choudhury and Dick 1991b; Dick et al. 1991; Choudhury and Dick 1993

Remarks: Dick et al. (1991) reported that "...this parasite is tentatively identified as *Polypodium hydriforme*..."

PHYLUM PLATYHELMINTHES
CLASS UDONELLIDEA
ORDER UDONELLIFORMES
Family UDONELLIDAE

Udonella caligorum Johnston, 1835 (M)

Site: hyperparasitic on ectoparasitic caligid copepods

Hosts: *Gadus morhua* (1)

Platichthys stellatus (2)

Pleuronectes bilineatus (2)

Dist.: Pac, Atl

Records: 1. Appy and Burt 1982 (Atl); 2. Ching and Leighton 1993 (Pac)

Remarks: Appy and Burt (1982) noted that the parasite was attached to *Caligus elongatus*. Ching and Leighton (1993) noted that the parasite was attached to *Lepeophtheirus bifidus*, *Lepeophtheirus hospitalis*, and *Lepeophtheirus parviventris*.

CLASS TREMATODA
SUBCLASS ASPIDOGASTREA
ORDER ASPIDOGASTRIFORMES
Family ASPIDOGASTRIDAE

Cotylogaster occidentalis Nickerson, 1902 (FW)

Site: intestine

Host: *Aplodinotus grunniens*

Dist.: Ont

Records: Dechtiar and Christie 1988; Dechtiar and Nepszy 1988

Family RUGOGASTRIDAE

Rugogaster hydrolagi Schell, 1973 (M)

Site: rectal gland

Host: *Hydrolagus colliei*

Dist.: Pac

Record: Rohde et al. 1992

SUBCLASS DIGENEA
ORDER PARAMPHISTOMIFORMES
Family PARAMPHISTOMIDAE

Ophioxenos microphagus (Ingles, 1936) Beverley-Burton, 1987 (FW)

Syn.: *Ophioxenos lanpetrae* Beverley-Burton and Margolis, 1982

Site: intestine

Host: *Lanpetra richardsoni*

Dist.: BC

Record: Beverley-Burton and Margolis 1982

Remarks: The synonymy is according to Beverley-Burton (1987).

ORDER ECHINOSTOMATIFORMES
SUBORDER ECHINOSTOMATATA
Superfamily ECHINOSTOMATOIDEA
Family ECHINOSTOMATIDAE

Echinochasmus sp. metacercaria (FW)

Site: encysted in gills

Host: *Notemigonus crysoleucas*

Dist.: Ont

Record: Dechtiar et al. 1989

ORDER HEMIURIFORMES
Family ACCACOELIIDAE

Paraccacladium jamiesoni Bray and Gibson, 1977 (M)

Site: [intestine]

Hosts: *Hippoglossus hippoglossus* (2)

Urophycis chesteri (1)

Dist.: Atl

Records: 1. Scott 1987; 2. Scott and Bray 1989

Family AZYGIIDAE

Azygia angusticauda (Stafford, 1904) Manter, 1926 (FW)

Sites: intestine, stomach

Hosts: *Esox lucius* (2,4,7)

Esox masquinongy (2)

Lepomis gibbosus (4)

Lota lota (3,6)

Micropterus dolomieu (4,5,6,7)

Micropterus salmoides (4)

Perca flavescens (1,5)

Stizostedion vitreum vitreum (1,4,7)

Dist.: Ont

Records: 1. Anthony 1978; 2. 1983; 3. 1987; 4. Dechtiar and Christie 1988; 5. Dechtiar et al. 1988; 6. Dechtiar and Lawrie 1988; 7. Dechtiar and Nepszy 1988

Azygia longa (Leidy, 1851) Manter, 1926 (FW)

Sites: intestine, stomach

Hosts: *Acipenser fulvescens* (11)

Amia calva (7)

Anguilla rostrata (7,12)

Esox lucius (2,8)

Esox masquinongy (2,7)

Lota lota (3)

Perca flavescens (1,10)

Salmo salar (4,9)

Salvelinus fontinalis (5,6,9)

Dist.: Man, Ont, NB, NB-b, Nfld

Records: 1. Anthony 1978b (Ont); 2. 1983 (Ont); 3. 1987 (Ont); 4. Pippy 1980 (NB); 5. Frimeth 1987a (NB); 6. 1987b (NB,NB-b); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar et al. 1988 (Ont); 9. Marcogliese and Cone 1991 (Nfld); 10. Szalai and Dick 1991a (Man); 11. Choudhury and Dick 1993 (Man); 12. Cone et al. 1993 (NS)

Leuceruthrus micropteri Marshall and Gilbert, 1905 (FW)

Site: intestine

Hosts: *Micropterus salmoides* (1,2)

Morone chrysops (2)

Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar and Nepszy 1988

Otodistomum veliporum (Creplin, 1837) Stafford, 1904
 metacercaria (M)

Site: encysted on viscera
 Hosts: *Eopsetta jordani* (1)
Glyptocephalus cynoglossus (2)
Hippoglossoides platessoides (2)
Hippoglossus hippoglossus (4)
Microstomus pacificus (3)
Pleuronectes bilineatus (1)
Pleuronectes vetulus (3)
Reinhardtius hippoglossoides (4)

Dist.: Pac, Atl
 Records: 1. Ronald 1959 (Pac); 2. Scott 1982 (Atl); 3. Kabata and Whitaker 1984 (Pac); 4. Scott and Bray 1989 (Atl)

Remarks: Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada.

Otodistomum spp. metacercaria (M)

Sites: encysted on viscera or free in body cavity
 Hosts: *Eopsetta jordani* (1)
Gadus morhua (2)
Glyptocephalus cynoglossus (2)
Reinhardtius hippoglossoides (4,5,6)
Urophycis chuss (3)
Urophycis musicki (3)

Dist.: Pac, Atl
 Records: 1. Ronald 1959 (Pac); 2. Appy and Burt 1982 (Atl); 3. Scott 1987 (Atl); 4. Arthur and Albert 1992a (Atl); 5. 1992b (Atl); 6. 1993 (Atl)

Remarks: Ronald (1959) did not report the locality of collection, but the record is based on material collected by L. Margolis from the Pacific coast of Canada.

Proterometra macrostoma (Faust, 1918) Horsfall, 1933
 (FW)

Site: intestine
 Hosts: *Ambloplites rupestris* (1,3)
Lepomis gibbosus (2)

Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988

Family BUNOCOTYLIDAE

Genolinea laticauda Manter, 1925 (M)

Site: stomach
 Hosts: *Anarhichas lupus* (2)
Glyptocephalus cynoglossus (1,2,5)
Hippoglossoides platessoides (2, 8)

Hippoglossus hippoglossus (10)
Lycodes vahli (1)
Macrourus berglax (1,4)
Melanogrammus aeglefinus (3)
Nezumia bairdi (4)
Pollachius virens (6)
Pleuronectes americanus (5,7)
Sebastes nebulosus (11)
Urophycis chesteri (9)
Urophycis chuss (9)
Urophycis musicki (9)

Dist.: Pac, Atl
 Records: 1. Bray 1979 (Atl); 2. Zubchenko 1980 (Atl); 3. Scott 1981 (Atl); 4. Zubchenko 1981 (Atl); 5. Scott 1982 (Atl); 6. 1985a (Atl); 7. 1985b (Atl); 8. Zubchenko 1985a (Atl); 9. Scott 1987 (Atl); 10. Scott and Bray 1989 (Atl); 11. Holmes 1990 (Pac)

Genolinea oncorhynchi Margolis and Adams, 1956 (M)

Site: intestine
 Host: *Oncorhynchus tshawytscha*
 Dist.: BC
 Records: Anonymous 1978; Arai and Mudry 1983

Genolinea sp. (M)

Site: stomach
 Host: *Macrourus berglax*
 Dist.: Atl
 Record: Noble 1973

Opisthadena dinidia Linton, 1910 (M)

Site: stomach
 Host: *Xiphias gladius*
 Dist.: Atl
 Record: Hogans et al. 1983

Family DEROGENIDAE

Derogenes crassus Manter, 1934 (M)

Site: stomach
 Hosts: *Hippoglossus hippoglossus* (1)
Salvelinus alpinus (2)

Dist.: NWT, Atl
 Records: 1. Zubchenko 1980 (Atl); 2. Stewart and Bernier 1984 (NWT)

Derogenes varicus (O. F. Müller, 1784) Looss, 1901 (M)

Sites: esophagus, stomach, intestine
 Hosts: *Acipenser oxyrhynchus* (1)
Alosa aestivalis (38)
Alosa pseudoharengus (38)
Alosa sapidissima (40)
Ammodytes americanus (3)
Anarhichas denticulatus (3)
Anarhichas lupus (3,25)
Anoplopoma fimbria (17,30)
Atheresthes stomias (17)

- Boreogadus saida* (3,19)
Clupea harengus (20)
Coryphaenoides rupestris (9)
Gadus morhua (3,10)
Glyptocephalus cynoglossus (2,3,5,12)
Hemitripterus americanus (3)
Hippoglossoides platessoides (2,3,5,12,23)
Hippoglossus hippoglossus (2,3,5,33)
Lycodes reticulatus (3)
Lycodes vahli (3)
Macrourus berglax (9)
Mallotus villosus (8,18,24)
Melanogrammus aeglefinus (8)
Merluccius albidus (28)
Merluccius bilinearis (28)
Merluccius productus (13)
Microstomus pacificus (17)
Myoxocephalus octodecemspinosus (3)
Myoxocephalus scorpius (3)
Nezumia bairdi (9)
Oncorhynchus gorboscha (11)
Pleuronectes americanus (12, 22)
Pleuronectes ferrugineus (2,3,12)
Pleuronectes putnami (2)
Pleuronectes vetulus (17)
Pollachius virens (21)
Reinhardtius hippoglossoides (2,3,5,7,31,33, 35,36,37)
Sahno salar (4)
Salvelinus alpinus (6,16,19,32)
Salvelinus fontinalis (26,27)
Sebastes fasciatus (15,29)
Sebastes flavidus (34,39)
Sebastes mentella (15)
Sebastes norvegicus (15)
Theragra chalcogramma (14,17)
Triglops murrayi (3)
Urophycis chesteri (28)
Urophycis chuss (28)
Urophycis musicki (3,28)
- Dist.: Pac, Que, NB, NB-b, NS, Nfld, Lab, NWT, Atl, E Arc
- Records: 1. Appy and Dadswell 1978 (NB-b); 2. Redkozubova 1978 (Atl); 3. Bray 1979 (Atl); 4. Pippy 1980 (Atl, NB, NS, Que); 5. Zubchenko 1980 (Atl); 6. Dick and Belosevic 1981 (NWT); 7. Reimer 1981 (E Arc); 8. Scott 1981 (Atl); 9. Zubchenko 1981 (Atl); 10. Appy and Burt 1982 (Atl); 11. Margolis 1982 (Nfld); 12. Scott 1982 (Atl); 13. Sankurathri et al. 1983 (Pac); 14. Arthur 1984 (Pac); 15. Bourgeois and Ni 1984 (Atl); 16. Dick 1984 (NWT); 17. Kabata and Whitaker 1984 (Pac); 18. Pálsson and Beverley-Burton 1984 (Atl); 19. Stewart and Bernier 1984 (NWT, E Arc); 20. McGladdery and Burt 1985 (Atl); 21. Scott 1985a (Atl); 22. 1985b (Atl); 23. Zubchenko 1985a (Atl); 24. Pálsson 1986 (Atl); 25. Bray 1987 (Atl); 26. Frimeth 1987a (NB); 27. 1987b (NB, NB-b); 28. Scott 1987 (Atl); 29. 1988 (Atl); 30. Kabata et al. 1988 (Pac); 31. Wierzbicka 1988 (Atl); 32. Bouillon and Dempson 1989 (Lab); 33. Scott and Bray 1989 (Atl); 34. Lee et al. 1990 (Pac); 35. Wierzbicka 1991a (Atl); 36. 1991b (Atl); 37. Krzykawski and Wierzbicka 1992 (Atl); 38. Landry et al. 1992 (Atl); 39. Stanley et al. 1992 (Pac); 40. Hogans et al. 1993 (Atl, NS)
- Remarks: Redkozubova (1978) did not list the individual hosts for this parasite, but it was said to be found in all flounders examined.
- Gonocerca crassa* Manter, 1934 (M)
Site: stomach
Hosts: *Coryphaenoides rupestris* (1)
Macrourus berglax (2)
Dist.: Atl
Records: 1. Szuks 1980; 2. Zubchenko 1981
- Gonocerca macroformis* Wolfgang and Myers, 1954 (M)
Site: ovary
Host: *Coryphaenoides rupestris*
Dist.: Atl
Record: Zubchenko 1981
- Gonocerca macrouri* Gaevskaya, 1975 (M)
Site: stomach
Host: *Coryphaenoides rupestris* (1,2,3)
Dist.: E Arc, Atl
Records: 1. Szuks 1980 (Atl); 2. Zubchenko 1981 (Atl, E Arc); 3. 1985b (Atl, E Arc)
- Gonocerca phycidis* Manter, 1925 (M)
Site: stomach
Hosts: *Coryphaenoides rupestris* (2)
Gadus morhua (4)
Hippoglossus hippoglossus (1,3,5)
Macrourus berglax (1)
Dist.: Atl
Records: 1. Bray 1979; 2. Szuks 1980; 3. Zubchenko 1980; 4. Appy and Burt 1982; 5. Scott and Bray 1989
- Gonocerca* sp. (M)
Site: [stomach]
Hosts: *Cottunculus microps* (2)
Lycodes esmarkii (2)
Lycodon mirabilis (2)
Macrourus berglax (1,2)
Dist.: Atl
Records: 1. Noble 1973; 2. Houston and Haedrich 1986
- Progonus muelleri* (Levinsen, 1881) Looss, 1899 (M)
Syn.: *Genarchopsis muelleri* (Levinsen, 1881) Yamaguti, 1954
Site: stomach
Hosts: *Anarhichas lupus* (1,2)
Artediellus uncinatus (1)
Glyptocephalus cynoglossus (1)
Hippoglossoides platessoides (1)

Lepidion eques (1)
Lophius americanus (1)
Lumpenus lampraeformis (1)
Lycodes reticulatus (1)
Lycodes vahli (1)
Myoxocephalus scorpius (1)
Pleuronectes ferrugineus (1)
Reinhardtius hippoglossoides (1,3,4,5,6)
Triglops murrayi (1)
Urophycis musicki (1)

Dist.: Atl

Records: 1. Bray 1979; 2. 1987; 3. Wierzbicka 1988;
4. 1991a; 5. 1991b; 6. Krzykawski and Wierzbicka
1992

Family DIDYMOZOIDAE

Halvorsenius exilis Gibson, Mackenzie, and Cottle, 1981 (M)

Site: musculature

Host: *Scomber scombrus*

Dist.: Atl

Record: Morrison et al. 1986

Remarks: The record by Morrison et al. (1986) was based on a tentative parasite identification as "...didymozoid trematode, probably *Halvorsenius exilis*..."

Didymozoidae gen.sp. (M)

Site: [stomach]

Host: *Anoplopoma fimbria*

Dist.: Pac

Record: Kabata and Whitaker 1984

Family HEMIURIDAE

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905 (M)

Sites: stomach, intestine

Hosts: *Alosa aestivalis* (32)

Alosa pseudoharengus (25,32)

Alosa sapidissima (33)

Anoplopoma fimbria (28)

Boreogadus saida (21)

Clupea harengus (23,25)

Clupea pallasii (6,7)

Coregonus nasus (22)

Gadus morhua (14)

Hippoglossoides platessoides (5,9,25)

Hippoglossus hippoglossus (4,31)

Oncorhynchus gorbuscha (10,15,17,29)

Oncorhynchus keta (10,17,29)

Oncorhynchus kisutch (10,17,29)

Oncorhynchus nerka (29)

Oncorhynchus tshawytscha (1,10,16,17)

Osmerus mordax (13)

Pollachius virens (24)

Reinhardtius hippoglossoides (4,25,31)

Salmo salar (8)

Salvelinus alpinus (2,11,19,21,30)

Salvelinus fontinalis (3,12,13,26,27)

Sebastes norvegicus (18)

Theragra chalcogramma (20)

Triglops pingelii (21)

Dist.: Pac, BC, Que, Que-b, PEI, NB, NB-b, NS, Nfld, Lab, NWT, Atl, E Arc

Records: 1. Anonymous 1978 (BC); 2. Dick and Belosevic 1978(NWT); 3. Thompson and Threlfall 1978 (Que); 4. Bray 1979 (Atl); 5. Umnova 1979 (Atl); 6. Arthur and Arai 1980a (Pac); 7. 1980b (Pac); 8. Pippy 1980 (Atl, NB, NS, Que, PEI); 9. Zubchenko 1980 (Atl); 10. Anonymous 1981 (BC); 11. Dick and Belosevic 1981 (NWT); 12. Black 1981 (Que-b); 13. Threlfall 1981 (Nfld); 14. Appy and Burt 1982 (Atl); 15. Margolis 1982 (Nfld); 16. Arai and Mudry 1983 (BC); 17. Anonymous 1984 (BC); 18. Bourgeois and Ni 1984 (Atl); 19. Dick 1984 (NWT, E Arc); 20. Kabata and Whitaker 1984 (Pac); 21. Stewart and Bernier 1984 (NWT, E Arc); 22. Bond and Erickson 1985 (NWT); 23. McGladdery and Burt 1985 (Atl); 24. Scott 1985a (Atl); 25. Gibson and Bray 1986 (Atl); 26. Frimeth 1987a (NB); 27. 1987b (NB, NB-b); 28. Kabata, McFarlane and Whitaker 1988 (Pac); 29. Mortensen and Mothershead 1988 (Pac); 30. Bouillon and Dempson 1989 (Lab); 31. Scott and Bray 1989 (Atl); 32. Landry et al. 1992 (Atl); 33. Hogans et al. 1993 (Atl)

Remarks: Although Canada was not specifically given as a collection locality by Umnov (1979), we are including this record because the host is caught commercially in our area.

Dinosoma triangulata Campbell and Munroe, 1977 (M)

Site: [digestive tract]

Hosts: *Alepocephalus agassizi* (1)

Alepocephalus bairdi (1)

Reinhardtius hippoglossoides (2)

Dist.: Atl

Records: 1. Zubchenko 1984; 2. Scott and Bray 1989

Dissosaccus laevis (Linton, 1898) Manter, 1947 (M)

Site: [stomach]

Hosts: *Reinhardtius hippoglossoides* (2)

Urophycis chesteri (1)

Urophycis chuss (1)

Urophycis musicki (1)

Dist.: Atl

Records: 1. Scott 1987; 2. Scott and Bray 1989

Glomerocirrus macrouri (Gaevskaya, 1975) Gaevskaya, 1979 (M)

Site: [intestine]

Hosts: *Coryphaenoides rupestris* (1,2)

Nezumia bairdi (1)

Dist.: E Arc, Atl

- Records: 1. Zubchenko 1981 (Atl, E Arc); 2. 1985b (Atl)
- Hemiurus appendiculatus* (Rudolphi, 1802) Looss, 1899 (M)
 Site: stomach
 Hosts: *Alosa sapidissima* (2)
Pleuronectes americanus (1)
 Dist.: Atl
 Records: 1. Scott 1982; 2. Hogans et al. 1993
- Hemiurus levinseni* Odhner, 1905 (M)
 Site: stomach
 Hosts: *Alosa pseudoharengus* (14)
Alosa sapidissima (25)
Boreogadus saida (1,14)
Clupea harengus (12)
Gadus morhua (1,7,14)
Hemitripterus americanus (1,14)
Hippoglossoides platessoides (2,8)
Hippoglossus hippoglossus (1,4,14,20)
Macrourus berglax (6)
Mallotus villosus (11,15)
Melanogrammus aeglefinus (5)
Merluccius albidus (16)
Merluccius bilinearis (16)
Myoxocephalus octodecemspinosus (1,14)
Oncorhynchus keta (18)
Oncorhynchus kisutch (18)
Pollachius virens (13)
Reinhardtius hippoglossoides (1,14,19,20,22,23,24)
Salmo salar (3)
Sebastes fasciatus (17)
Sebastes nebulosus (21)
Theragra chalcogramma (9,10)
Urophycis chesteri (14,16)
Urophycis chuss (14,16)
Urophycis musicki (16)
 Dist.: Pac, NS, Atl
 Records: 1. Bray 1979 (Atl); 2. Umnova, 1979 (Atl); 3. Pippy 1980 (Atl); 4. Zubchenko 1980 (Atl); 5. Scott 1981 (Atl); 6. Zubchenko 1981 (Atl); 7. Appy and Burt 1982 (Atl); 8. Scott 1982 (Atl); 9. Arthur 1984 (Pac); 10. Kabata and Whitaker 1984 (Pac); 11. Palsson and Beverley-Burton 1984 (Atl); 12. McGladdery and Burt 1985 (Atl); 13. Scott 1985a (Atl); 14. Gibson and Bray 1986 (Atl); 15. Palsson 1986 (Atl); 16. Scott 1987 (Atl); 17. 1988 (Atl); 18. Mortensen and Mothershead 1988 (Pac); 19. Wierzbicka 1988 (Atl); 20. Scott and Bray 1989 (Atl); 21. Holmes 1990 (Pac); 22. Wierzbicka 1991a (Atl); 23. 1991b (Atl); 24. Krzykowski and Wierzbicka 1992 (Atl); 25. Hogans et al. 1993 (Atl, NS)
 Remarks: Although Canada was not specifically given as a collection locality by Umnova (1979), we are including this record because the host is caught commercially in our region.
- Hemiurus* spp. (M)
 Site: [stomach]
 Hosts: *Sebastes fasciatus*
Sebastes mentella
Sebastes norvegicus
 Dist.: Atl
 Record: Bourgeois and Ni 1984
- Lethadena profunda* (Manter, 1934) Manter, 1947 (M)
 Site: [stomach]
 Host: *Urophycis chesteri*
 Dist.: Atl
 Record: Scott 1987
- Lecithochirium exodicum* McFarlane, 1936 (M)
 Site: stomach
 Hosts: *Anoplopoma fimbria* (2)
Eopsetta jordani (1)
Sebastes flavidus (4,5)
Sebastes nebulosus (3)
 Dist.: Pac
 Records: 1. Ronald 1959; 2. Kabata et al. 1988; 3. Holmes 1990; 4. Lee et al. 1990; 5. Stanley et al. 1992
 Remarks: Ronald (1959) did not report the locality of collection but the record is based on material collected by L. Margolis from the Pacific coast of Canada.
- Lecithocladium gulosum* Linton, 1901 (M)
 Site: stomach
 Host: *Rhinochimaera atlantica*
 Dist.: Atl
 Record: Hogans and Hurlbut 1984
- Parahemiurus merus* (Linton, 1910) Woolcock, 1935 (M)
 Sites: stomach, pyloric caeca, intestine
 Hosts: *Anoplopoma fimbria* (5,6)
Clupea pallasii (2)
Coryphaenoides rupestris (3)
Eopsetta exilis (1)
Eopsetta jordani (1)
Merluccius productus (4)
Sebastes nebulosus (7)
Theragra chalcogramma (5)
 Dist.: Pac, Atl
 Records: 1. Ronald 1959 (Pac); 2. Arthur and Arai 1980 (Pac); 3. Szuks 1980 (Atl); 4. Sankurathri et al. 1983 (Pac); 5. Kabata and Whitaker 1984 (Pac); 6. Kabata et al. 1988 (Pac); 7. Holmes 1990 (Pac)
 Remarks: Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada. Szuks (1980, Table I) listed this parasite from *Coryphaenoides rupestris* caught off Labrador,

but his Fig. 1 showed it as occurring off western Greenland.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934 (M)

Sites: stomach, intestine

Hosts: *Oncorhynchus gorbuscha* (1,2)
Oncorhynchus keta (1,2)
Oncorhynchus kisutch (1,2)
Oncorhynchus nerka (1,2)
Oncorhynchus tshawytscha (1,2)
Sebastes nebulosus (3)

Dist.: Pac, BC

Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Holmes 1990 (Pac)

Hemiuridae gen.sp. (M)

Site: [intestine]

Host: *Oncorhynchus keta*

Dist.: Pac

Record: Whitaker 1985

Family HIRUDINELLIDAE

Hirudinella ventricosa (Pallas, 1774) Baird, 1853 (M)

Site: stomach

Host: *Xiphias gladius*

Dist.: Atl

Record: Hogans et al. 1983

Lampritrema miescheri (Zschokke, 1890) Margolis, 1962 (M)

Syn.: *Lampritrema nipponicum* Yamaguti, 1940

Site: intestine

Hosts: *Oncorhynchus tshawytscha* (1,3)
Salmo salar (2)

Dist.: BC, Atl

Records: 1. Anonymous 1978 (BC); 2. Pippy 1980 (Atl); 3. Arai and Mudry 1983 (BC)

Remarks: The synonymy is according to Gibson and Bray (1977).

Family LECITHASTERIDAE

Lecithaster confusus Odhner, 1905 (M)

Sites: stomach, intestine

Hosts: *Alosa aestivalis* (4)
Alosa pseudoharengus (4)
Alosa sapidissima (5)
Clupea harengus (3)
Hippoglossus hippoglossus (1)
Reinhardtius hippoglossoides (2)

Dist.: E Arc, Atl, NS

Records: 1. Zubchenko 1980 (Atl); 2. Reimer 1981 (E Arc); 3. McGladdery and Burt 1985 (Atl); 4.

Landry et al. 1992 (Atl); 5. Hogans et al. 1993 (Atl, NS)

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901 (M)

Sites: intestine, pyloric caeca, stomach

Hosts: *Anoplopoma fimbria* (17)

Boreogadus saida (2)

Clupea harengus (20)

Clupea pallasii (4,5)

Gadus morhua (2,10)

Glyptocephalus cynoglossus (12)

Hippoglossoides platessoides (2,3,7,12,24)

Hippoglossus hippoglossus (7,32)

Lycodes reticulatus (2)

Lycodes vahlii (2)

Mallotus villosus (18,25)

Merluccius albidus (28)

Merluccius bilinearis (28)

Merluccius productus (13)

Oncorhynchus gorbuscha (8,11,14)

Oncorhynchus keta (8,14,23)

Pleuronectes americanus (12,22)

Pleuronectes ferrugineus (1,12)

Pleuronectes vetulus (17)

Pollachius virens (21)

Reinhardtius hippoglossoides (7,30,32,34,35,36)

Salmo salar (6)

Salvelinus alpinus (9,16,19,31)

Salvelinus fontinalis (26,27)

Sebastes fasciatus (15,29)

Sebastes flavidus (37)

Sebastes mentella (15)

Sebastes nebulosus (33)

Sebastes norvegicus (15)

Triglops murrayi (2)

Urophycis chuss (28)

Urophycis musicki (28)

Dist.: Pac, BC, NWT, NB, NB-b, NS, Nfld, Lab, Atl

Records: 1. Redkozubova 1978 (Atl); 2. Bray 1979 (Atl); 3. Umnova 1979 (Atl); 4. Arthur and Arai 1980a (Pac); 5. 1980b (Pac); 6. Pippy 1980 (Atl, NB, NS); 7. Zubchenko 1980 (Atl); 8. Anonymous 1981 (BC); 9. Dick and Belosevic 1981 (NWT); 10. Appy and Burt 1982 (Atl); 11. Margolis 1982 (Nfld); 12. Scott 1982 (Atl); 13. Sankurathri et al. 1983 (Pac); 14. Anonymous 1984 (BC); 15. Bourgeois and Ni 1984 (Atl); 16. Dick 1984 (NWT); 17. Kabata and Whitaker 1984 (Pac); 18. Pálsson and Beverley-Burton 1984 (Atl); 19. Stewart and Bernier 1984 (NWT); 20. McGladdery and Burt 1985 (Atl); 21. Scott 1985a (Atl); 22. 1985b (Atl); 23. Whitaker 1985 (Pac); 24. Zubchenko 1985a (Atl); 25. Pálsson 1986 (Atl); 26. Frimeth 1987a (NB); 27. 1987b (NB, NB-b); 28. Scott 1987 (Atl); 29. 1988 (Atl); 30. Wierzbicka 1988 (Atl); 31. Bouillon and Dempson 1989 (Lab); 32. Scott and Bray 1989 (Atl); 33. Holmes 1990 (Pac); 34. Wierzbicka 1991a (Atl); 35.

1991b (Atl); 36. Krzykawski and Wierzbicka 1992 (Atl); 37. Stanley et al. 1992 (Pac)

Remarks: Although Canada was not specifically given as a collection locality by Umnova (1979), we are including this record because the host is caught commercially in our region.

Lecithophyllum botryophorum (Olsson, 1868) Odhner, 1905 (M)

Syn.: *Lecithophyllum anteroporum* Margolis, 1957.

Sites: intestine, stomach

Hosts: *Alepocephalus agassizi* (7)
Alepocephalus bairdi (7)
Hippoglossus hippoglossus (10)
Macrourus berglax (2)
Merluccius productus (3)
Oncorhynchus gorboscha (1,4)
Oncorhynchus keta (1,4)
Sebastes fasciatus (6,9)
Sebastes mentella (6)
Sebastes norvegicus (6)
Theragra chalcogramma (5)
Urophycis chesteri (8)
Urophycis chuss (8)
Urophycis musicki (8)

Dist.: Pac, BC, Atl

Records: 1. Anonymous 1981 (BC); 2. Zubchenko 1981 (Atl); 3. Sankurathri et al. 1983 (Pac); 4. Anonymous 1984 (BC); 5. Arthur 1984 (Pac); 6. Bourgeois and Ni 1984 (Atl); 7. Zubchenko 1984 (Atl); 8. Scott 1987 (Atl); 9. 1988 (Atl); 10. Scott and Bray 1989 (Atl)

Remarks: The synonymy is according to Sekerak and Arai (1973).

Family SYNCOELIIDAE

Copiatestes filiferus (Leuckart in Sars, 1885) Gibson and Bray, 1977 (M)

Syn.: *Syncoelium filiferum* (Leuckart in Sars, 1885) Odhner, 1911

Sites: gills, gill cavity

Hosts: *Sebastes flavidus* (3)
Theragra chalcogramma (1,2)

Dist.: Pac

Records: 1. Arthur 1984; 2. Kabata and Whitaker 1984; 3. Stanley et al. 1992

Remarks: The synonymy is according to Gibson and Bray (1977). Margolis and Arthur (1979) reported previous Canadian records as *Syncoelium filiferum*.

ORDER STRIGEIFORMES

Superfamily BRACHYLAEMOIDEA

Family BUCEPHALIDAE

Bucephalus spp. (FW)

Site: intestine

Hosts: *Catostomus catostomus* (3)
Catostomus commersoni (4)
Luxilus cornutus (2)
Micropterus dolomieu (4)
Morone chrysops (2)
Percopsis omiscomaycus (1)
Semotilus atromaculatus (2)
Stizostedion vitreum vitreum (4)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar and Nepszy 1988

Dolichoenterum sp. metacercaria (M)

Site: subcutaneous in head region

Host: *Coryphaenoides rupestris*

Dist.: Atl

Record: Szuks 1980

Dolofustrema sp. (M)

Site: [intestine]

Host: *Sebastes nebulosus*

Dist.: Pac

Record: Holmes 1990

Paurorhynchus hiodontis Dickerman, 1954 (FW)

Sites: body cavity, gills, heart

Hosts: *Hiodon alosoides* (2)

Hiodon tergisus (1)

Dist.: Alta, Man

Records: 1. Glenn 1980 (Man); 2. Donald and Kooyman, cited in McAllister and Mudry 1983 (Alta)

Prosorhynchoides basargini (Layman, 1930) Margolis and Arthur, 1979 metacercaria (M)

Sites: fins, nasal cavities, mouth

Hosts: *Clupea pallasii* (1)

Theragra chalcogramma (2,3,4)

Dist.: Pac

Records: 1. Arthur and Arai 1980a, 1980b; 2. Arthur 1983; 3. 1984; 4. Kabata and Whitaker 1984

Prosorhynchoides basargini (Layman, 1930) Margolis and Arthur, 1979 adult (M)

Sites: intestine, pyloric caeca, stomach

Host: *Oncorhynchus gorboscha*

Dist.: BC

Records: Anonymous 1981; 1984

Prosorhynchoides gracilescens (Rudolphi, 1819) Stunkard, 1976 (M)

Syn.: *Bucephalopsis gracilescens* (Rudolphi, 1819) Nicoll, 1914

Site: [intestine]

Host: *Reinhardtius hippoglossoides*

Dist.: E Arc

Record: Reimer 1981

Remarks: The synonymy is according to Stunkard (1976).

Prosorhynchoides pusilla (Stafford, 1904) Margolis and Arthur, 1979 (FW)

Syn.: *Bucephaloides pusilla* (Stafford, 1904) Eckmann, 1932

Site: intestine

Hosts: *Perca flavescens* (2)

Stizostedion vitreum vitreum (1,2,3,4)

Dist.: Man, Ont

Records: 1. Dickson, cited in Lubinsky and Loch 1979 (Man); 2. Poole and Dick 1985 (Man); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar et al. 1988 (Ont)

Remarks: The synonymy is according to Margolis and Arthur (1979).

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905 metacercaria (M)

Sites: encysted in fins, skin, musculature, eyes

Host: *Sebastes flavidus*

Dist.: Pac

Records: Lee et al. 1990; Stanley et al. 1992

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905 adult (M)

Site: [intestine]

Host: *Sebastes nebulosus*

Dist.: Pac

Record: Holmes 1990

Prosorhynchus squamatus Odhner, 1905 (M)

Sites: pyloric caeca, intestine, stomach

Hosts: *Gadus morhua* (5)

Hippoglossoides platessoides (6)

Melanogrammus aeglefinus (4)

Myoxocephalus scorpius (2)

Salvelinus alpinus (1,3,7)

Dist.: NWT, Atl

Records: 1. Dick and Belosevic 1978 (NWT); 2. Bray 1979 (Atl); 3. Dick and Belosevic 1981 (NWT); 4. Scott 1981 (Atl); 5. Appy and Burt 1982 (Atl); 6. Scott 1982 (Atl); 7. Dick 1984 (NWT)

Prosorhynchus spp. metacercaria (M)

Sites: fins; rarely in cephalic canals, muscles, or external surface of heart

Hosts: *Atheresthes stomias* (3)

Microstomus pacificus (3)

Pleuronectes vetulus (3)

Theragra chalcogramma (1,2,3)

Dist.: Pac

Records: 1. Arthur 1983; 2. 1984; 3. Kabata and Whitaker 1984

Rhipidocotyle papillosa (Woodhead, 1929) Eckmann, 1932 (FW)

Site: [digestive tract]

Hosts: *Perca flavescens*

Stizostedion vitreum vitreum

Dist.: Man

Record: Poole and Dick 1985

Rhipidocotyle spp. metacercaria (M)

Sites: fins, nasal cavities, mouth

Hosts: *Clupea pallasii* (1)

Theragra chalcogramma (2,3,4)

Dist.: Pac

Records: 1. Arthur and Arai 1980a, 1980b; 2. Arthur 1983; 3. 1984; 4. Kabata and Whitaker 1984

Family FELLODISTOMIDAE

Antorchis spinosus Zubchenko, 1978 (M)

Site: [intestine]

Host: *Notacanthus chemnitzi*

Dist.: Atl

Record: Zubchenko 1978

Fellodistomum agnotum Nicoll, 1909 (M)

Syn.: *Steringophorus agnotus* (Nicoll, 1909) Dollfus, 1952

Site: intestine

Hosts: *Anarhichas lupus* (1,2,3)

Anarhichas minor (3)

Dist.: Atl

Records: 1. Bray 1979; 2. 1987; 3. Zubchenko 1980

Remarks: The synonymy is according to Bray et al. (1994).

Fellodistomum brevum Ching, 1960 (M)

Site: intestine

Hosts: *Anoplopoma fimbria* (1,2)

Microstomus pacificus (1)

Pleuronectes vetulus (1)

Dist.: Pac

Records: 1. Kabata and Whitaker 1984; 2. Kabata et al. 1988

Fellodistomum felis (Olsson, 1868) Nicoll, 1909 (M)

Site: gall bladder

Hosts: *Anarhichas denticulatus* (1)

Anarhichas lupus (1,2,3)

Anarhichas minor (1)

Dist.: Atl

Records: 1. Bray 1979; 2. 1987; 3. Zubchenko 1980

Fellodistomum sp. (M)
Site: gall bladder
Host: *Macrourus berglax*
Dist.: Atl
Record: Noble 1973

Olssonium turneri Bray and Gibson, 1980 (M)
Site: [intestine]
Hosts: *Alepocephalus agassizi*
Alepocephalus bairdi
Dist.: Atl
Record: Zubchenko 1984

Pronoprymna petrowi (Layman, 1930) Bray and Gibson, 1980 (M)
Syn.: *Pseudopentagramma petrowi* (Layman, 1930) Yamaguti, 1971
Sites: caeca, intestine
Host: *Clupea pallasii*
Dist.: Pac
Records: Arthur and Arai 1980a, 1980b
Remarks: Bray and Gibson (1980) reviewed the taxonomic history of *Pronoprymna*, *Pentagramma*, and *Pseudopentagramma*, and considered the latter two genera to be synonymous with *Pronoprymna* Poche, 1926. Margolis and Arthur (1979) reported previous Canadian records as *Pseudopentagramma petrowi*.

Steringophorus furciger (Olsson, 1868) Odhner, 1905 (M)
Syn.: *Fellodistomum furcigerum* (Olsson, 1867) Yamaguti, 1954
Sites: intestine, pyloric caeca, stomach
Hosts: *Anarhichas minor* (2)
Gadus morhua (6)
Glyptocephalus cynoglossus (1,2,4,7)
Hippoglossoides platessoides (1,2,3,4,6,7)
Hippoglossus hippoglossus (1,4,10,14)
Myoxocephalus octodecemspinosus (2)
Pleuronectes americanus (7,8,9,11)
Pleuronectes ferrugineus (1,2,7)
Pleuronectes putnami (1)
Reinhardtiihippoglossoides (1,4,5,13,14,15,16)
Urophycis chuss (12)
Urophycis musicki (2,12)

Dist.: E Arc, Atl
Records: 1. Redkozubova, 1978 (Atl); 2. Bray 1979 (Atl); 3. Umnova 1979 (Atl); 4. Zubchenko 1980 (Atl); 5. Reimer 1981 (E Arc); 6. Appy and Burt 1982 (Atl); 7. Scott 1982 (Atl); 8. Khan and Kiceniuk 1983 (Atl); 9. Scott 1985b (Atl); 10. Zubchenko 1985 (Atl); 11. Khan 1987 (Atl); 12. Scott 1987 (Atl); 13. Wierzbicka 1988 (Atl); 14. Scott and Bray 1989 (Atl); 15. Wierzbicka 1991a (Atl); 16. 1991b (Atl)

Remarks: The synonymy is according to Bray and Gibson (1980). Margolis and Arthur (1979) listed previous Canadian records as *Fellodistomum*

furcigerum. Redkozubova (1978) did not list the individual hosts for this parasite, but it was said to be found in all flounders examined. Although Canada was not specifically given as a collection locality by Umnova (1979), we are including this record because the host is caught commercially in our region.

Steringophorus pritchardae (Campbell, 1975) Bray and Gibson, 1980 (M)
Syn.: *Abyssotrema pritchardae* Campbell, 1975
Site: [intestine]
Host: *Alepocephalus bairdi*
Dist.: Atl
Record: Zubchenko 1984
Remarks: The synonymy is according to Bray and Gibson (1980)

Steringophorus sp. (M)
Site: [intestine]
Host: *Coryphaenoides rupestris*
Dist.: Atl
Record: Houston and Haedrich 1986

Steringotrema ovacutum (Lebour, 1908) Yamaguti, 1953 (M)
Syn.: *Rhodotrema ovacutum* (Lebour, 1908) Odhner, 1911
Stenakron ovacutus (Lebour, 1908) Strelkov, 1960
Site: intestine
Hosts: *Anarhichas lupus* (2,3,6)
Hippoglossoides platessoides (1,2,3,4,5)
Lycodes vahli (2)
Dist.: Atl
Records: 1. Redkozubova 1978; 2. Bray 1979; 3. Zubchenko 1980; 4. Scott 1982; 5. Zubchenko 1985a; 6. Bray 1987
Remarks: The synonymy is according to Bray and Gibson (1980).

Superfamily CLINOSTOMOIDEA Family CLINOSTOMIDAE

Clinostomum complanatum (Rudolphi, 1814) Braun, 1899 metacercaria (FW)
Syn.: *Clinostomum marginatum* (Rudolphi, 1819) Braun, 1899 metacercaria
Sites: gill cavity, gills arches, musculature, fins, mesenteries
Hosts: *Ambloplites rupestris* (4,5,6,7)
Ameiurus nebulosus (6)
Aplodinotus grunniens (5)
Catostomus commersoni (10)
Ictalurus punctatus (8)
Lepomis gibbosus (4,5,6)
Lepomis macrochirus (4)

Luxilus cornutus (5)
Micropterus dolomieu (4,6)
Micropterus salmoides (4,5)
Morone chrysops (3)
Notemigonus crysoleucas (10)
Notropis heterolepis (6)
Notropis hudsonius (7)
Oncorhynchus mykiss (9)
Perca flavescens (1,2,5,6)
Phoxinus eos (10)
Phoxinus neogaeus (6)
Pimephales notatus (10)
Pomoxis nigromaculatus (4)
Rhinichthys atratulus (6)
Stizostedion vitreum vitreum (1,2)

Dist.: Man, Ont

Records: 1. Anthony 1978b (Ont); 2. Stewart-Hay, Evans, both cited in Lubinsky and Loch 1979 (Man); 3. Anthony 1984 (Ont); 4. 1985 (Ont); 5. Dechtiar and Christie 1988 (Ont); 6. Dechtiar et al. 1988 (Ont); 7. Dechtiar and Lawrie 1988 (Ont); 8. Dechtiar and Nepszy 1988 (Ont); 9. Szalai and Dick 1988 (Man); 10. Dechtiar et al. 1989 (Ont)

Remarks: The synonymy is according to Dowsett and Lubinsky (1980). Margolis and Arthur (1979) listed previous Canadian records as both *Clinostomum complanatum* metacercaria and *Clinostomum marginatum* metacercaria.

Clinostomum spp. metacercaria (FW)

Site: musculature

Hosts: *Ambloplites rupestris* (1)
Micropterus dolomieu (1)
Oncorhynchus mykiss (1)
Perca flavescens (1,2)
Stizostedion vitreum vitreum (1)

Dist.: Man, NB

Records: 1. Dickson, cited in Lubinsky and Loch 1979 (Man); 2. Pike and Burt 1981 (NB).

Superfamily SCHISTOSOMATOIDEA

Family SANGUINICOLIDAE

Aporocotyle margolisi Smith, 1967 (M)

Sites: heart, branchial vessels

Host: *Merluccius productus*

Dist.: Pac

Record: Sankurathri et al. 1983

Aporocotyle simplex Odhner, 1900 (M)

Sites: intestinal mesenteries, branchial vessels, heart

Hosts: *Coryphaenoides rupestris* (2)

Glyptocephalus cynoglossus (1)

Hippoglossoides platessoides (1,3,4)

Dist.: Atl

Records: 1. Zubchenko 1980; 2. 1981; 3. 1985a; 4. Morrison et al. 1986

Aporocotyle theragrae Ichihara, 1970 (M)

Sites: bulbus arteriosus of heart, branchial arteries

Host: *Theragra chalcogramma*

Dist.: Pac

Records: Arthur 1983; 1984; Kabata and Whitaker 1984

Sanguinicola occidentalis Van Cleave and Mueller, 1932 (FW)

Site: blood vessels

Hosts: *Perca flavescens* (5,6)

Stizostedion vitreum vitreum (1,2,3,4,5,6)

Dist.: Ont

Records: 1. Anthony 1978b; 2. Dechtiar and Christie 1988; 3. Dechtiar et al. 1988; 4. Dechtiar and Lawrie 1988; 5. Dechtiar and Nepszy 1988; 6. Dechtiar et al. 1989

Sanguinicola spp. (FW)

Site: blood vessels

Hosts: *Aplodinotus grunniens* (3)

Carpionodes cyprinus (3)

Catostomus catostomus (1,2)

Catostomus commersoni (1,3,4)

Notropis hudsonius (2)

Dist.: Ont

Records: 1. Dechtiar et al. 1988; 2. Dechtiar and Lawrie 1988; 3. Dechtiar and Nepszy 1988; 4. Dechtiar et al. 1989

Sanguinicolidae gen.sp. (FW)

Site: blood vessels

Host: *Catostomus catostomus*

Dist.: BC

Records: Anonymous 1981; 1984

Family SPIRORCHIIDAE

Spirorchis sp. (FW)

Site: mesenteric blood vessels

Host: *Acipenser brevirostrum*

Dist.: NB-b

Record: Appy and Dadswell 1978

Superfamily STRIGEOIDEA

Family DIPLOSTOMIDAE

Crassiphiala bulboglossa Haitzma, 1925 metacercaria (FW)

Sites: cysts under skin over entire body surface, fins

Hosts: *Couesius plumbeus* (6)
Luxilis cornutus (3,4)
Notemigonus crysoleucas (2,3)
Notropis hudsonius (4)
Perca flavescens (2,3,5)
Pimephales notatus (2,6)
Pimephales promelas (2,6)
Rhinichthys cataractae (3,4)
Semotilus atromaculatus (3,6)
Semotilus corporalis (6)
Stizostedion vitreum vitreum (3,5)
Umbra limi (1)

Dist.: Ont, St. Lawrence River

Records: 1. Foersch et al. 1984 (St. Lawrence River);
2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Lawrie 1988 (Ont);
5. Dechtiar and Nepszy 1988 (Ont); 6. Dechtiar et al. 1989 (Ont)

Remarks: The record by Foersch et al. (1984) was based on a tentative parasite identification as "Amehesten scheint dei Art *Crassiphiala bulboglossa* zuzutreffen." It is not clear from the collection locality, given as the St. Lawrence River of Canada, in which province the reported host originated. The river flows through both Ontario and Quebec and the host is found in both provinces.

Diplostomum baeri bucculentum Dubois and Rausch, 1948
metacercaria (FW)

Sites: vitreous humor and retina of eye

Hosts: *Coregonus clupeaformis* (1,3,4)
Coregonus sardinella (5)
Cottus asper (2)
Couesius plumbeus (2)
Lota lota (1,2)
Oncorhynchus mykiss (2,3,4)
Oncorhynchus nerka (2,3,4)
Oncorhynchus tshawytscha (2,3,4)
Prosopium williamsoni (2,3,4)
Ptychocheilus oregonensis (2)
Salvelinus malma (2,3,4)
Salvelinus namaycush (3,4)

Dist.: BC, Man, NWT

Records: 1. Dick and Rosen 1981 (Man); 2. Anonymous 1984 (BC); 3. Ching 1984a (BC); 4. 1985 (BC); 5. Shostak et al. 1987 (NWT)

Diplostomum scudderii (Olivier, 1941) Dubois, 1966
metacercaria (FW)

Syn.: *Diplostomum baeri eucaliae* Hoffman and Hundley, 1957 metacercaria

Site: brain

Host: *Culaea inconstans*

Dist.: Ont

Record: Dechtiar et al. 1988

Remarks: The synonymy is according to Dubois (1970).

Diplostomum spathaceum (Rudolphi, 1819) Olsson, 1876
metacercaria (FW)

Syn.: *Diplostomulum spathaceum* (Rudolphi, 1819) Hughes, 1929

Sites: vitreous humor and lens of eye

Hosts: *Acipenser fulvescens* (16,18)
Alosa aestivalis (15,22)
Alosa pseudoharengus (15,16,17,18,22)
Alosa sapidissima (23)
Ambloplites rupestris (16,17)
Ameiurus nebulosus (2,17,20)
Amia calva (16,17)
Anguilla rostrata (16)
Aplodinotus grunniens (16,19)
Carpionodes cyprinus (17,19)
Catostomus catostomus (17,18)
Catostomus commersoni (16,17,18,19)
Coregonus artedii (3,16,17,18,20)
Coregonus clupeaformis (3,8,16,17)
Coregonus hoyi (17)
Cottus asper (5)
Cottus bairdi (17,18)
Cottus ricei (17)
Couesius plumbeus (5,12,16,17)
Culaea inconstans (17,20)
Cyprinus carpio (16,17)
Danio (Brachydanio) rerio (13)
Dorosoma cepedianum (16,17)
Esox lucius (16,17)
Etheostoma caeruleum (16)
Etheostoma exile (16)
Etheostoma nigrum (16)
Fundulus diaphanus (16,17)
Gasterosteus aculeatus (16)
Ictalurus punctatus (17,19)
Labidesthes sicculus (16)
Lepisosteus osseus (16)
Lepomis gibbosus (16,17,20)
Lota lota (5,17,18)
Luxilis cornutus (18,20)
Micropterus dolomieu (16,17,19)
Micropterus salmoides (16)
Morone chrysops (16,17,19)
Notemigonus crysoleucas (16)
Notropis atherinoides (16,17)
Notropis heterolepis (17)
Notropis hudsonius (16,17,18)
Notropis rubellus (17)
Noturus gyrinus (16)
Oncorhynchus kisutch (17,18)
Oncorhynchus mykiss (5,16,17,18)
Oncorhynchus nerka (5,17)
Oncorhynchus tshawytscha (5)
Osmerus mordax (16,17,18,19)
Perca flavescens (17,18,19)
Percopsis omiscomaycus (16,17,18,20)
Phoxinus neogaeus (17)

Pimephales notatus (17,18)
Pimephales promelas (16,20)
Poecilia reticulata (10,11)
Pomoxis nigromaculatus (16,17)
Prosopium cylindraceum (17,18)
Prosopium williamsoni (5)
Ptychocheilus oregonensis (5)
Pungitius pungitius (7,8,17)
Rhinichthys cataractae (17)
Salmo salar (1,4)
Salvelinus alpinus (14)
Salvelinus fontinalis (6,9,10,16,17,20,21)
Salvelinus fontinalis × *Salvelinus namaycush*
 (17,20)
Salvelinus malma (5)
Salvelinus namaycush (8,16,17)
Semotilus atromaculatus (16,17)
Stizostedion vitreum vitreum (16,17,19)
Umbra limi (16,17)

Dist.: BC, Alta, Man, NWT, Ont, Que, Que-b, PEI, NB, NS, Nfld, Lab, Atl

Records: 1. Hare 1975 (NB); 2. Frechette et al. 1978 (Que); 3. Watson and Dick 1979 (Man); 4. Pippy 1980 (NS, NB, PEI, Lab, Nfld, Atl); 5. Anonymous 1981 (BC); 6. Black 1981 (Que-b); 7. Curtis 1981 (NWT); 8. Leong and Holmes 1981 (Alta); 9. Brassard, Curtis, and Rau 1982 (Que, exper); 10. Brassard et al. 1982a (exper); 11. 1982b (exper); 12. Anonymous 1984 (BC); 13. Bouvry et al. 1984 (exper); 14. Curtis 1984 (Que); 15. Landry et al. 1986 (NB); 16. Dechtiar and Christie 1988 (Ont); 17. Dechtiar et al. 1988 (Ont); 18. Dechtiar and Lawrie 1988 (Ont); 19. Dechtiar and Nepszy 1988 (Ont); 20. Dechtiar et al. 1989 (Ont); 21. Wright et al. 1989 (Que); 22. Landry et al. 1992 (Atl); 23. Hogans et al. 1993 (Atl, NS)

Remarks: The synonymy is according to Dubois (1970). The record of this parasite from *Couesius plumbeus* by Anonymous (1984) was found in the host-parasite list only.

Diplostomum spathaceum huronense (La Rue, 1927)
 Hughes, 1929 metacercaria (FW)

Syn.: *Diplostomulum huronense* (La Rue, 1927) Hughes and Hall, 1929

Sites: vitreous humor and lens of eye

Hosts: *Morone americana* (2)
Osmerus mordax (1)
Perca flavescens (2)

Dist.: Ont, Nfld

Records: 1. Threlfall 1981 (Nfld); 2. Dechtiar and Christie 1988 (Ont)

Remarks: The synonymy is according to Dubois (1970). Threlfall (1981) stated that his *Diplostomulum* larva "... resembles most closely *Diplostomulum huronense* (La Rue, 1927)."

Diplostomum spathaceum indistinctum (Guberlet, 1923)
 Hughes, 1929 metacercaria (FW)

Syn.: *Diplostomulum flexicaudum* (Cort and Brooks, 1928) Hunter, 1942

Sites: external layers and vitreous humor of eyes

Hosts: *Alosa pseudoharengus* (1)
Catostomus catostomus (1)
Catostomus commersoni (1)
Coregonus artedii (1,2)
Coregonus clupeaformis (1,2,3)
Coregonus hoyi (1)
Lota lota (4)
Osmerus mordax (1)
Perca flavescens (1)
Pimephales notatus (5)
Salvelinus fontinalis × *Salvelinus namaycush* (1)

Dist.: Alta, Man, Ont

Records: 1. Dechtiar and Berst 1978 (Ont); 2. Watson, cited in Lubinsky and Loch 1979 (Man); 3. Dick and Rosen 1981 (Man); 4. McAllister and Mudry 1983 (Alta); 5. Dechtiar et al. 1989 (Ont)

Remarks: The synonymy is according to Dubois (1970).

Diplostomum spp. metacercaria (FW)

Syn.: *Diplostomulum* sp. metacercaria

Sites: brain, vitreous humor and lens of eye, musculature, viscera, body cavity

Hosts: *Acipenser fulvescens* (26,31)
Aplodinotus grunniens (6)
Carpionodes cyprinus (18)
Catostomus catostomus (1,4,7)
Catostomus columbianus (9)
Catostomus commersoni (4)
Catostomus macrocheilus (1,7)
Coregonus clupeaformis (1,2,4,7,8,9)
Cottus aleuticus (9)
Cottus asper (9)
Cottus cognatus (1,7)
Cottus ricei (21)
Couesius plumbeus (4)
Esox lucius (4,8)
Gasterosteus aculeatus (4)
Lota lota (1,4,7,9)
Margariscus margarita (4)
Micropterus salmoides (27)
Morone chrysops (10)
Mylocheilus caurinus (1,7,9)
Myoxocephalus thompsoni (5)
Oncorhynchus mykiss (1,7,9,22)
Oncorhynchus nerka (1,7,9,12,14,19,23,25)
Oncorhynchus tshawytscha (9)
Perca flavescens (8,13,30)
Pimephales notatus (20)
Pimephales promelas (20)
Poecilia reticulata (3)
Prosopium cylindraceum (4)
Prosopium williamsoni (1,7,9)

Ptychocheilus oregonensis (1,7,9)
Richardsonius balteatus (1,7,9)
Salmo salar (4,11,29)
Salvelinus alpinus (15,24)
Salvelinus fontinalis (4,16,17,28,29)
Salvelinus malma (1,7)
Salvelinus namaycush (1,4,7,9)
Stizostedion vitreum vitreum (13)
Thymallus arcticus (1)

Dist.: BC, Alta, Sask, Man, Ont, Que, NB, NB-b, Nfld, Lab, Pac

Records: 1. Anonymous 1978 (BC); 2. Rau et al. 1979 (Que); 3. Brassard et al. 1980 (exper); 4. Curtis and Rau 1980 (Que); 5. Black and Lankester 1981 (Ont); 6. Anthony 1982 (Ont); 7. Arai and Mudry 1983 (BC); 8. McAllister and Mudry 1983 (Alta); 9. Anonymous 1984 (BC); 10. Anthony 1984 (Ont); 11. Cone and Ryan 1984 (Nfld); 12. Groot et al. 1984 (BC); 13. Poole and Dick 1985 (Man); 14. Bailey and Margolis 1987 (BC); 15. Bouillon and Curtis 1987 (Lab); 16. Frimeth 1987a (NB); 17. 1987b (NB, NB-b); 18. Szalai and Dick 1987a (Man); 19. Bailey, Margolis, and Groot 1988 (Pac); 20. Dechtiar and Christie 1988 (Ont); 21. Dechtiar et al. 1988 (Ont); 22. Szalai and Dick 1988 (Man); 23. Bailey, Margolis, and Workman 1989 (BC); 24. Bouillon and Dempson 1989 (Lab); 25. Groot et al. 1989 (Pac); 26. Choudhury et al. 1990 (Man, Sask); 27. Szalai and Dick 1990 (Sask); 28. Albert and Curtis 1991 (Que); 29. Marcogliese and Cone 1991 (Nfld); 30. Szalai and Dick 1991a (Man); 31. Choudhury and Dick 1993 (Sask, Man)

Remarks: Parasites identified by the metacercarial collective group name *Diplostomulum* are most commonly assigned to the genus *Diplostomum* upon completion of life cycle studies, and use of this collective group name in the literature is diminishing with increasing preference for the generic name *Diplostomum*. Therefore, in this synopsis, all records are reported under the name *Diplostomum*. Margolis and Arthur (1979) listed previous Canadian records as *Diplostomulum* spp. and included records of *Diplostomum* species therein. The records of this parasite from *Thymallus arcticus* in Anonymous (1978) and from *Cottus aleuticus*, *C. asper*, *Lota lota*, *Ptychocheilus oregonensis*, and *Richardsonius balteatus* in Anonymous (1984) were found only in the host-parasite lists.

Neascus spp. metacercaria (FW)

Sites: skin, fins, mesenteries

Hosts: *Ambloplites rupestris* (7)

Campostoma anomalum (7)

Catostomus catostomus (1,4)

Catostomus commersoni (6,7)

Etheostoma caeruleum (7)

Etheostoma flabellare (7)

Etheostoma nigrum (7)

Lepomis gibbosus (7)

Luxilus cornutus (7)

Micropterus salmoides (7)

Nocomis biguttatus (7)

Nocomis micropogon (7)

Notemigonus crysoleucas (7)

Oncorhynchus keta (5)

Oncorhynchus tshawytscha (1,4)

Pimephales notatus (7)

Pimephales promelas (6,7)

Ptychocheilus oregonensis (1,2,3,4)

Rhinichthys atratulus (7)

Rhinichthys cataractae (7)

Salvelinus fontinalis (7)

Semotilus atromaculatus (7)

Dist.: BC, Ont

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Whitaker 1985 (BC); 6. Dechtiar et al. 1988 (Ont); 7. Steedman 1991 (Ont)

Ornithodiplostomum ptychocheilus (Faust, 1917) Dubois, 1936 metacercaria (FW)

Sites: [brain, viscera]

Hosts: *Perca flavescens*

Stizostedion vitreum vitreum

Dist.: Man

Record: Poole and Dick 1985

Posthodiplostomum minimum (MacCallum, 1921) Dubois, 1936 metacercaria (FW)

Sites: encysted on mesenteries of viscera and gonads

Hosts: *Alosa pseudoharengus* (3)

Ambloplites rupestris (3,4,5)

Carpionodes cyprinus (6)

Catostomus catostomus (1,2)

Catostomus commersoni (6)

Cottus asper (1,2)

Couesius plumbeus (4)

Culaea inconstans (4)

Etheostoma nigrum (4)

Fundulus diaphanus (3,4)

Labidesthes sicculus (3,4)

Lepomis gibbosus (4)

Luxilus cornutus (4)

Micropterus dolomieu (4,6)

Morone americana (3)

Mylocheilus caurinus (2)

Notemigonus crysoleucas (3)

Notropis atherinoides (4)

Notropis heterolepis (4)

Notropis hudsonius (4,5)

Notropis rubellus (4)

Percopsis omiscomaycus (4)

Phoxinus neogaeus (4)

Pimephales notatus (3,4)

Pomoxis nigromaculatus (4)

Ptychocheilus oregonensis (1,2)
Rhinichthys cataractae (4,5)
Richardsonius balteatus (2)
Semotilus atromaculatus (4)
 Dist.: BC, Ont
 Records: 1. Anonymous 1981 (BC); 2. 1984 (BC);
 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar et al.
 1988 (Ont); 5. Dechtiar and Lawrie 1988 (Ont); 6.
 Dechtiar and Nepszy 1988 (Ont)

Posthodiplostomum minimum centrarchi Hoffman, 1958
 metacercaria (FW)
 Site: encysted on mesenteries of viscera
 Hosts: *Lepomis gibbosus*
Lepomis macrochirus
Micropterus dolomieu
 Dist.: Ont
 Record: Dechtiar and Christie 1988

Tylodelphys scheuringi (Hughes, 1929) Dubois, 1938
 metacercaria (FW)
 Syn.: *Diplostomulum scheuringi* Hughes, 1929
 metacercaria
 Site: vitreous humor of eye
 Hosts: *Catostomus macrocheilus* (1,2)
Coregonus clupeaformis (2)
Cottus asper (1,2)
Fundulus diaphanus (5)
Lepomis gibbosus (4)
Lota lota (1,2,3)
Luxilus cornutus (6)
Morone americana (4)
Mylocheilus caurinus (2)
Oncorhynchus mykiss (1,2,7)
Percina caprodes (4)
Percopsis omiscomaycus (8)
Prosopium williamsoni (1,2)
Ptychocheilus oregonensis (2)
Richardsonius balteatus (2)
Semotilus corporalis (8)
 Dist.: BC, Alta, Man, Ont
 Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3.
 McAllister and Mudry 1983 (Alta); 4. Dechtiar and
 Christie 1988 (Ont); 5. Dechtiar et al. 1988 (Ont); 6.
 Dechtiar and Lawrie 1988 (Ont); 7. Szalai and Dick
 1988 (Man); 8. Dechtiar et al. 1989 (Ont)
 Remarks: The synonymy is according to Dubois (1938).
 Margolis and Arthur (1979) listed previous Canadian
 records as *Diplostomulum scheuringi*.

Uvulifer ambloplitis (Hughes, 1928) Dubois, 1938
 metacercaria (FW)
 Sites: skin, fins
 Hosts: *Ambloplites rupestris* (1,2,3)
Esox lucius (1,2,4)
Lepomis gibbosus (1,2)
Micropterus dolomieu (1,2,4)

Notropis heterolepis (2)
Notropis hudsonius (2)
Stizostedion vitreum vitreum (1)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et
 al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar
 and Nepszy 1988

Uvulifer sp. metacercaria (FW)
 Sites: [skin, fins]
 Host: *Campostoma anomalum*
 Dist.: Ont
 Record: McKee and Parker 1982

Family STRIGEIDAE

Apatemon gracilis (Rudolphi, 1819) Szidat, 1928
 metacercaria (FW)
 Syn.: *Apatemon gracilis pellucidus* (Yamaguti, 1933)
 Dubois, 1953
 Sites: eye, brain, body cavity, musculature
 Hosts: *Culaea inconstans* (1,3,4)
Pungitius pungitius (2)
 Dist.: Alta, Que
 Records: 1. Rau and Gordon 1978 (Que); 2. Leong and
 Holmes 1981 (Alta); 3. Gordon and Rau 1982a (Que);
 4. 1982b (Que)
 Remarks: The synonymy is according to Dubois (1968).

Ichthyocotylurus erraticus (Rudolphi, 1809) Niewiadomska,
 1971 metacercaria (FW)
 Syn.: *Cotylurus erraticus* (Rudolphi, 1809) Szidat,
 1928 metacercaria
Tetracotyle intermedia Hughes, 1928 metacercaria
 Sites: surface of heart and pericardium, surface of liver,
 mesenteries
 Hosts: *Coregonus artedii* (1,2,3,4,6,7,8,10)
Coregonus clupeaformis (1,2,3,4,5,6,7,8,10)
Coregonus hoyi (1,7)
Oncorhynchus mykiss (8)
Oncorhynchus nerka (7)
Osmerus mordax (9)
Percopsis omiscomaycus (7)
Prosopium cylindraceum (8,10)
Pungitius pungitius (4)
Salvelinus fontinalis (10)
Salvelinus fontinalis x *Salvelinus namaycush* (1,7)

Dist.: Alta, Man, Ont
 Records: 1. Dechtiar and Berst 1978 (Ont); 2. Watson,
 cited in Lubinsky and Loch 1979 (Man); 3. Watson
 and Dick 1979 (Man); 4. Leong and Holmes 1981
 (Alta); 5. McAllister and Mudry 1983 (Alta); 6.
 Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al.
 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9.
 Dechtiar and Nepszy 1988 (Ont); 10. Dechtiar et al.
 1989 (Ont)

Remarks: Niewiadomska (1971) elevated the subgenus *Ichthyocotylurus*, created by Odening (1969), to generic status and was the first author to use the combination *Ichthyocotylurus erraticus*. The synonymy is according to Odening (1979). Margolis and Arthur (1979) listed previous Canadian records as both *Cotylurus erraticus* metacercaria and *Tetracotyle intermedia* metacercaria

Ichthyocotylurus pileatus (Rudolphi, 1802) Niewiadomska, 1971 metacercaria (FW)

Syn.: *Tetracotyle diminuta* Hughes, 1928 metacercaria

Sites: encysted on mesenteries of viscera and kidney

Hosts: *Perca flavescens* (1,2,3)

Percopsis omiscomaycus (1)

Stizostedion vitreum vitreum (2)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar and Lawrie 1988; 3. Dechtiar and Nepszy 1988

Remarks: Niewiadomska (1971) elevated the subgenus *Ichthyocotylurus*, created by Odening (1969), to generic status and was the first author to use the combination *Ichthyocotylurus pileatus*. The synonymy is according to Odening (1979). Margolis and Arthur (1979) listed previous Canadian records as *Tetracotyle diminuta* metacercaria

Ichthyocotylurus platycephalus (Creplin, 1825) Niewiadomska, 1971 metacercaria (FW)

Syn.: *Cotylurus communis* (Hughes, 1928) La Rue, 1932 metacercaria

Sites: pericardium of heart, mesenteries, liver

Hosts: *Catostomus catostomus* (1,2)

Catostomus macrocheilus (1,2)

Prosopium williamsoni (1,2)

Ptychocheilus oregonensis (1,2)

Dist.: BC

Records: 1. Anonymous 1981; 2. 1984

Remarks: Niewiadomska (1971) elevated the subgenus *Ichthyocotylurus*, created by Odening (1969), to generic status and was the first author to use the combination *Ichthyocotylurus platycephalus*. The synonymy is according to Odening (1979). Margolis and Arthur (1979) listed previous Canadian records as *Cotylurus communis* metacercaria. Anonymous (1981, 1984) listed this parasite from *Prosopium williamsoni* in the host-parasite list only.

Tetracotyle spp. metacercaria (FW)

Sites: encysted on pericardium, mesenteries of viscera, musculature, heart, kidney

Hosts: *Alosa pseudoharengus* (17)

Ambloplites rupestris (10,18)

Ameiurus nebulosus (16)

Aplodinotus grunniens (16,19)

Carpionodes cyprinus (19)

Catostomus catostomus (1,6,20)

Catostomus commersoni (1,6,18,19,20)

Catostomus macrocheilus (1,6)

Coregonus clupeaformis (1,6,7)

Cottus asper (2,3)

Cottus bairdi (16,17,18)

Cottus cognatus (1,16,20)

Cottus ricei (17)

Couesius plumbeus (16)

Culaea inconstans (17,20)

Esox lucius (16,17)

Etheostoma exile (16)

Etheostoma nigrum (17)

Gasterosteus aculeatus (8)

Lepomis gibbosus (10,16,17)

Lepomis macrochirus (10,16)

Lota lota (12,17,18)

Micropterus dolomieu (10,16)

Micropterus salmoides (10)

Morone americana (16)

Morone chrysops (16)

Mylocheilus caurinus (1,3,6)

Notropis hudsonius (16,17,18)

Oncorhynchus keta (11)

Oncorhynchus mykiss (1,3,6,17)

Oncorhynchus nerka (1,6,9,13,14,15,21)

Osmerus mordax (16)

Perca flavescens (4,7,23)

Percopsis omiscomaycus (18,20)

Phoxinus neogaeus (20)

Pomoxis nigromaculatus (10,16)

Prosopium cylindraceum (17)

Prosopium williamsoni (1,6)

Ptychocheilus oregonensis (1,3,6)

Rhinichthys atratulus (17)

Rhinichthys cataractae (1,6)

Richardsonius balteatus (1,6)

Salmo salar (5,8,22)

Salvelinus fontinalis (8,16,22)

Salvelinus fontinalis × *Salvelinus namaycush* (20)

Salvelinus malma (1,6)

Salvelinus namaycush (1,6)

Semotilus margarita (20)

Stizostedion vitreum vitreum (4,7,16,19)

Thymallus arcticus (1,6)

Umbra limi (16,17)

Dist.: Pac, BC, Alta, Man, Ont, NS, Nfld

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Anthony 1978 (Ont); 5. Pippy 1980 (Nfld, NS); 6. Arai and Mudry 1983 (BC); 7. McAllister and Mudry 1983 (Alta); 8. Cone and Ryan 1984 (Nfld); 9. Groot et al. 1984 (BC); 10. Anthony 1985 (Ont); 11. Whitaker 1985 (BC); 12. Anthony 1987 (Ont); 13. Bailey and Margolis 1987 (BC); 14. Wood et al. 1987 (BC); 15. Bailey, Margolis, and Groot 1988 (Pac); 16. Dechtiar and Christie 1988 (Ont); 17. Dechtiar et al. 1988 (Ont); 18. Dechtiar and Lawrie 1988 (Ont); 19. Dechtiar and Nepszy 1988 (Ont); 20. Dechtiar et al. 1989 (Ont); 21. Groot

et al. 1989 (Pac); 22. Marcogliese and Cone 1991 (Nfld); 23. Szalai and Dick 1991a (Man)

Strigeidae gen.spp. metacercaria (FW)

Sites: mesenteries, brain, liver, skin, musculature

Hosts: *Ambloplites rupestris* (4)

Cottus asper (1,2)

Luxilus cornutus (4,5)

Micropterus dolomieu (4)

Mylocheilus caurinus (2)

Oncorhynchus keta (6)

Oncorhynchus nerka (2)

Perca flavescens (3)

Prosopium williamsoni (2)

Ptychocheilus oregonensis (1,2)

Semotilus atromaculatus (4)

Dist.: BC, Ont, NB

Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Pike and Burt 1981 (NB); 4. Mackie et al. 1983 (Ont); 5. Ferguson et al. 1985 (Ont); 6. Whitaker 1985 (BC)

Remarks: The record of this parasite from *Cottus asper* by Anonymous (1981, 1984) was found only in the parasite-host list.

ORDER OPISTHORCHIIFORMES

Family CRYPTOOGONIMIDAE

Acetodextra amiuri (Stafford, 1900) Pearse, 1924 (FW)

Site: gonads

Hosts: *Ameiurus nebulosus* (1,2,3)

Ictalurus punctatus (4)

Dist.: Ont, Que

Records: 1. Frechette et al. 1978 (Que); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Nepszy 1988 (Ont)

Allacanthochasmus artus Mueller and Van Cleave, 1932 (FW)

Site: intestine

Host: *Morone chrysops*

Dist.: Ont

Records: Anthony 1984; Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Nepszy 1988

Allacanthochasmus varius Van Cleave, 1922 (FW)

Site: intestine

Host: *Morone chrysops*

Dist.: Ont

Records: Anthony 1984; Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Nepszy 1988

Caecincola sp. metacercaria (FW)

Site: [digestive tract cysts]

Host: *Perca flavescens*

Dist.: Man

Record: Szalai and Dick 1991a

Centrovarium lobotes (MacCallum, 1895) Stafford, 1904 metacercaria (FW)

Site: musculature

Hosts: *Esox lucius* (4)

Notropis hudsonius (2,3)

Perca flavescens (2)

Percopsis omiscomaycus (1,2)

Pimephales notatus (2)

Stizostedion vitreum vitreum (4)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar and Nepszy 1988

Centrovarium lobotes (MacCallum, 1895) Stafford, 1904 adult (FW)

Sites: intestine, pyloric caeca

Hosts: *Esox lucius* (2,3,4)

Perca flavescens (1,5)

Stizostedion vitreum vitreum (1,2)

Dist.: Man, Ont

Records: 1. Anthony 1978b (Ont); 2. Stewart-Hay, Dickson, Watson, all cited in Lubinsky and Loch 1979 (Man); 3. Watson and Dick 1980 (Man); 4. Anthony 1983 (Ont); 5. Szalai and Dick 1991a (Man)

Cryptogonimus chili Osborn, 1903 (FW)

Site: intestine

Hosts: *Ambloplites rupestris* (1)

Micropterus dolomieu (1,2)

Dist.: Ont

Records: 1. Dechtiar et al. 1988; 2. Dechtiar and Nepszy 1988

Neochasmus umbellus Van Cleave and Mueller, 1932 (FW)

Site: intestine

Hosts: *Micropterus dolomieu* (1)

Morone chrysops (2,3)

Dist.: Ont

Records: 1. Anthony 1985; 2. Dechtiar and Christie 1988; 3. Dechtiar and Nepszy 1988

Family HETEROPHYIDAE

Apophallus brevis Ransom, 1920 metacercaria (FW)

Syn.: *Apophallus itascensis* Warren, 1953

Sites: skin, fins, gills, musculature

Hosts: *Etheostoma exile* (9)

Etheostoma nigrum (1,9)

Micropterus dolomieu (13)

Notemigonus crysoleucas (9)

Notropis hudsonius (7)

Perca flavescens (1,3,4,5,6,7,8,9,10,11,

12,13,14)

Prosopium cylindraceum (1)

Salmo salar (2)

Dist.: Man, Sask, Ont, NB, Nfld, Lab

Records: 1. Sinclair 1972b (Ont, Man, Sask); 2. Pippy 1980 (Lab, Nfld, NB); 3. Pike and Burt 1981 (NB); 4. 1982 (NB); 5. 1983 (NB); 6. Pike et al. 1983 (NB); 7. Poole and Dick 1983 (Man); 8. 1985 (Man); 9. Dechtiar and Christie 1988 (Ont); 10. Dechtiar et al. 1988 (Ont); 11. Dechtiar and Lawrie 1988 (Ont); 12. Dechtiar and Nepszy 1988 (Ont); 13. Dechtiar et al. 1989 (Ont); 14. Taylor et al. 1993 (exper)

Remarks: The synonymy is according to Sinclair (1972a).

Apophallus imperator Lyster, 1940 metacercaria (FW)

Sites: skin, fins

Hosts: *Salmo salar* (3)

Salvelinus fontinalis (1,2,3)

Dist.: Ont, Nfld

Records: 1. Cone and Ryan 1984 (Nfld); 2. Dechtiar et al. 1989 (Ont); 3. Marcogliese and Cone 1991 (Nfld)

Apophallus sp. metacercaria (FW)

Site: skin

Host: *Perca flavescens*

Dist.: Ont

Record: Anthony 1978b

Cryptocotyle lingua (Creplin, 1825) Fiscoeder, 1903 metacercaria (M)

Sites: skin, gills, fins

Hosts: *Clupea harengus* (4)

Cottidae gen.sp. (1)

Gadus morhua (3,6)

Hypomesus pretiosus (1)

Leptocottus armatus (1)

Melanogrammus aeglefinus (6)

Oligocottus maculosus (1)

Osmerus mordax (2)

Platichthys stellatus (1)

Pleuronectes americanus (5)

Pollachius virens (6)

Salvelinus fontinalis (7,8)

Scomber scombrus (6)

Dist.: BC, NB, NB-b, Nfld, Atl

Records: 1. Ching 1978 (BC, exper); 2. Threlfall 1981 (Nfld); 3. Appy and Burt 1982 (Atl); 4. McGladdery and Burt 1985 (Atl); 5. Scott 1985b (Atl); 6. Morrison et al. 1986 (Atl); 7. Frimeth 1987a (NB); 8. 1987b (NB, NB-b)

Remarks: Threlfall (1981) stated that his unidentified metacercaria "... resembled most closely those of *Cryptocotyle lingua* ... a common parasite of gulls and marine fishes in Newfoundland." The record by Morrison et al. (1986) was based on a tentative parasite identification as "...probably *Cryptocotyle lingua*..."

Galactosomum phalacrocoracis Yamaguti, 1939 metacercaria (M)

Syn.: *Galactosomum* sp. metacercaria of Arai, 1969, in part

Sites: encysted in viscera, pharynx, gill arches

Hosts: *Ammodytes hexapterus* (1)

Clupea pallasii (2,3)

Oncorhynchus gorbuscha (1)

Oncorhynchus keta (1)

Dist.: Pac

Records: 1. Pearson et al. 1978; 2. Arthur and Arai 1980a, 3. 1980b

Remarks: Pearson et al. (1978) reidentified Arai's (1967, 1969) *Galactosomum* sp. metacercaria, as reported previously in Margolis and Arthur (1979), from *Ammodytes hexapterus* and *Oncorhynchus keta* as *Galactosomum phalacrocoracis*.

Family OPISTHORCHIIDAE

Metorchis conjunctus (Cobbold, 1860) Looss, 1899 metacercaria (FW)

Site: musculature

Hosts: *Catostomus catostomus* (2)

Catostomus commersoni (1,2)

Perca flavescens (1)

Salvelinus fontinalis (2)

Semotilus corporalis (2)

Dist.: Man, Que

Records: 1. Evans, cited in Lubinsky and Loch 1979 (Man); 2. Watson 1981 (Que)

Opisthorchiidae gen.sp. metacercaria (M)

Site: stomach

Host: *Alosa sapidissima*

Dist.: Atl

Record: Hogans et al. 1993

ORDER LEPOCREADIIFORMES

Family DEROPRISTIDAE

Deropristis hispida (Abildgaard in Rudolphi, 1819) Odhner, 1902 (M)

Site: spiral valve intestine

Host: *Acipenser oxyrhynchus*

Dist.: NB-b

Record: Appy and Dadswell 1978

Family HOMALOMETRIDAE

Homalometron armatum (MacCallum, 1895) Manter, 1947 (FW)

Syn. *Anallocreadium pearsi* Hunter and Bangham, 1932

Site: intestine

Host: *Aplodinotus grunniens*
Dist.: Ont
Records: Anthony 1982; Dechtiar and Christie 1988;
Dechtiar and Nepszy 1988
Remarks: The synonymy is according to Miller (1959).

Homalometron pallidum Stafford, 1904 (FW)
Sites: stomach, intestine
Host: *Morone saxatilis*
Dist.: NB
Record: Hogans 1984

Microcreadium parvum Simer, 1920 (FW)
Site: [intestine]
Host: *Aplodinotus grunniens*
Dist.: Ont
Record: Anthony 1982

Family LEPOCREADIIDAE

Gibonsia borealis Campbell, 1992 (M)
Site: intestine
Host: *Macrourus berglax*
Dist.: Atl
Record: Campbell 1992

Lepidapedon elongatum (Lebour, 1908) Nicoll, 1910 (M)
Sites: intestine, pyloric caeca
Hosts: *Gadus morhua* (1,3)
Lepidion eques (1)
Macrourus berglax (2)
Merluccius albidus (4)
Urophycis chesteri (4)
Urophycis chuss (4)
Urophycis musicki (4)
Dist.: Atl
Records: 1. Bray 1979; 2. Zubchenko 1981; 3. Appy and Burt 1982; 4. Scott 1987

Lepidapedon gadi Yamaguti, 1934 (M)
Sites: pyloric caeca, intestine
Host: *Theragra chalcogramma* (1,2)
Dist.: Pac
Records: 1. Arthur 1984; 2. Kabata and Whitaker 1984

Lepidapedon rachion (Cobbold, 1858) Stafford, 1904 (M)
Site: intestine
Hosts: *Gadus morhua* (1,4)
Hippoglossus hippoglossus (5)
Lycodes vahli (1)
Melanogrammus aeglefinus (2,3)
Dist.: Atl
Records: 1. Bray 1979; 2. Umnova 1979; 3. Scott 1981; 4. Appy and Burt 1982; 5. Scott and Bray 1989
Remarks: Although Canada was not specifically given as a collection locality by Umnova (1979), we are

including this record because the host is caught commercially in our region.

Lepidapedon sp. (M)
Site: intestine
Host: *Antimora rostrata*
Dist.: Atl
Record: Campbell and Bray 1993

Lepocreadium setiferoides Miller and Northrup, 1926 (M)
Site: intestine
Host: *Morone saxatilis*
Dist.: NB
Record: Hogans 1984

Neolepidapedon pugetense (Acena, 1947) Yamaguti, 1971 (M)
Sites: [intestine, pyloric caeca]
Host: *Sebastes nebulosus*
Dist.: Pac
Record: Holmes 1990

Opechona occidentalis Montgomery, 1957 (M)
Sites: intestine, pyloric caeca
Hosts: *Sebastes flavidus* (2,3)
Sebastes nebulosus (1)
Dist.: Pac
Records: 1. Holmes 1990; 2. Lee et al. 1990; 3. Stanley et al. 1992

ORDER PLAGIORCHIIFORMES SUBORDER ACANTHOCOLPIATA Superfamily ACANTHOCOLPIOIDEA Family ACANTHOCOLPIDAE

Neophasis anarrhichae (Nicoll, 1909) Bray, 1987 (M)
Syn.: *Acanthopsolus anarrhichae* Nicoll, 1909
Site: [intestine]
Hosts: *Anarrhichas lupus*
Anarrhichas minor
Dist.: Atl
Record: Zubchenko 1980
Remarks: The synonymy is according to Bray and Gibson (1991).

Neophasis burti Bray and Gibson, 1991 (M)
Syn.: *Neophasis oculatus* of Bray, 1979, in part
Neophasis sp. of Appy and Burt, 1982.
Site: intestine
Hosts: *Gadus morhua* (1,2)
Hippoglossoides platessoides (1)
Myoxocephalus octodecemspinosus (2)
Dist.: Atl
Records: 1. Appy and Burt 1982; 2. Bray and Gibson 1991

- Remarks: The synonymy is according to Bray and Gibson (1991).
- Neophasis oculatus* (Levensen, 1881) Miller, 1941 (M)
 Sites: intestine, pyloric caeca
 Hosts: *Lycodes vahli* (1,2)
Myoxocephalus octodecemspinosus (1)
 Dist.: Atl
 Records: 1. Bray 1979; 2. Bray and Gibson 1991
 Remarks: Bray and Gibson (1991) noted that part of the material of Bray (1979) is *Neophasis burti* Bray and Gibson, 1991.
- Neophasis pusilla* Stafford, 1904 (M)
 Sites: intestine, urinary bladder
 Host: *Anarhichas lupus*
 Dist.: Atl
 Records: Bray 1979; 1987a; Bray and Gibson 1991
- Skrjabinopsolus manteri* (Cable, 1952) Cable, 1955 (FW)
 Site: intestine
 Host: *Acipenser fulvescens*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Lawrie 1988
- Stephanostomum baccatum* (Nicoll, 1907) Manter, 1934 metacercaria (M)
 Sites: cysts in musculature, under skin of body surface, and in fins
 Hosts: *Glyptocephalus cynoglossus* (1)
Hippoglossoides platessoides (1,2)
 Dist.: Atl
 Records: 1. Umnova, 1979; 2. Morrison et al. 1986
 Remarks: Although Canada was not specifically given as a collection locality by Umnova (1979), we are including this record because the hosts are caught commercially in our region.
- Stephanostomum baccatum* (Nicoll, 1907) Manter, 1934 adult (M)
 Syn.: *Stephanochasmus baccatus* Nicoll, 1907
 Site: intestine
 Hosts: *Gadus morhua* (3)
Hemitripterus americanus (1)
Hippoglossus hippoglossus (2)
Myoxocephalus octodecemspinosus (1)
Pleuronectes americanus (4)
 Dist.: Atl
 Records: 1. Bray 1979; 2. Zubchenko 1980; 3. Appy and Burt 1982; 4. Scott 1985b
 Remarks: The synonymy is according to Bray (1979).
- Stephanostomum californicum* Manter and Van Cleave, 1951 (M)
 Site: intestine
 Hosts: *Anoplopoma fimbria* (1)
Sebastes nebulosus (2)
- Dist.: Pac
 Records: 1. Kabata et al. 1988; 2. Holmes 1990
- Stephanostomum tenue* (Linton, 1898) Martin, 1938 metacercaria (M)
 Sites: pericardium, spleen, gill arch, viscera, body cavity
 Hosts: *Fundulus heteroclitus* (3)
Oncorhynchus mykiss (3)
Salvelinus fontinalis (1,2)
 Dist.: NB, NB-b, Atl
 Records: 1. Frimeth 1987a (NB); 2. 1987b (NB, NB-b, Atl); 3. McGladdery et al. 1990 (Atl)
- Stephanostomum tenue* (Linton, 1898) Martin, 1938 adult (M)
 Site: intestine
 Hosts: *Anguilla rostrata* (3)
Morone saxatilis (1)
Salvelinus fontinalis (2,3)
 Dist.: NB, NB-b, Atl
 Records: 1. Hogans 1984 (NB); 2. Frimeth 1987a (NB); 2. 1987b (NB, NB-b); 3. McGladdery et al. 1990 (Atl)
- Stephanostomum* spp. metacercaria (M)
 Sites: fins, skin, musculature
 Hosts: *Atheresthes stomias* (1,3)
Sebastes flavidus (4,5)
Theragra chalcogramma (2)
 Dist.: Pac
 Records: 1. Kovalenko 1969; 2. Arthur 1984; 3. Kabata and Whitaker 1984; 4. Lee et al. 1990; 5. Stanley et al. 1992

SUBORDER ALLOCREADIATA
 Superfamily ALLOCREADIOIDEA
 Family ALLOCREADIIDAE

- Allocreadium isoporum* (Looss, 1894) Odhner, 1901 (FW)
 Site: intestine
 Hosts: *Mylocheilus caurinus* (1,2)
Ptychocheilus oregonensis (1,2)
 Dist.: BC
 Records: 1. Anonymous 1978; 2. Arai and Mudry 1983
- Allocreadium lobatum* Wallin, 1909 (FW)
 Site: intestine
 Hosts: *Catostomus commersoni* (3)
Luxilus cornutus (4)
Mylocheilus caurinus (1)
Notemigonus crysoleucas (6)
Notropis hudsonius (5)
Ptychocheilus oregonensis (1)
Rhinichthys cataractae (4,5)
Semotilus atromaculatus (4)

- Semotilus corporalis* (2)
Dist.: BC, Ont, NB
Records: 1. Anonymous 1984 (BC); 2. Rand and Burt 1985 (NB); 3. Courtney 1987 (Ont); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar and Lawrie 1988 (Ont); 6. Dechtiar et al. 1989 (Ont)
- Allocreadium* sp. (FW)
Site: intestine
Host: *Semotilus atromaculatus*
Dist.: Ont
Record: Mackie et al. 1983
- Bunoderia eucaliae* (Miller, 1936) Miller, 1940 (FW)
Syn.: *Bunoderina eucaliae* Miller, 1936
Site: intestine
Hosts: *Culaea inconstans* (1,2,3,4)
Gasterosteus aculeatus (1)
Umbra limi (2)
Dist.: Ont
Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar et al. 1989; 4. Brooks 1992
Remarks: The synonymy is according to Caira (1989). Margolis and Arthur (1979) listed previous Canadian records as *Bunoderina eucaliae*.
- Bunoderia inconstans* (Lasee, Font, and Sutherland, 1988) Brooks, 1992 (FW)
Syn.: *Culaeatrema inconstans* Lasee, Font, and Sutherland, 1988
Site: intestine
Host: *Culaea inconstans*
Dist.: Ont
Record: Brooks, 1992
Remarks: The synonymy is according to Brooks (1992).
- Bunoderia luciopercae* (O. F. Müller, 1776) Stiles and Hassall, 1898 (FW)
Site: intestine
Hosts: *Oncorhynchus mykiss* (2,4)
Perca flavescens (1,6)
Pungitius pungitius (3)
Salvelinus alpinus (5)
Dist.: BC, Alta, Ont, Lab
Records: 1. Cannon 1972 (Ont); 2. Anonymous 1978 (BC); 3. Leong and Holmes 1981 (Alta); 4. Arai and Mudry 1983 (BC); 5. Bouillon and Dempson 1989 (Lab); 6. Caira 1989 (Ont)
Remarks: Cannon (1972) identified the host as a "perch."
- Bunoderia mediovitellata* Tsimbaliuk and Roytman in Skrjabin and Koval, 1966 (FW)
Syn.: *Allobunoderia mediovitellata* (Tsimbaliuk and Roytman in Skrjabin and Koval, 1966) Yamaguti, 1971
Site: intestine
Host: *Gasterosteus aculeatus*
- Dist.: BC
Records: Kennedy 1979; Caira 1989
Remarks: The synonymy is according to Caira (1989). Margolis and Arthur (1979) listed a previous Canadian record as *Allobunoderia mediovitellata*.
- Bunoderia sacculata* Van Cleave and Mueller, 1932 (FW)
Syn.: *Allobunoderia sacculata* (Van Cleave and Mueller, 1932) Yamaguti, 1971
Bunoderina sacculata (Van Cleave and Mueller, 1932) Yamaguti, 1958
Site: intestine
Hosts: *Lepomis macrochirus* (3)
Perca flavescens (1,2,3,4,5,6)
Stizostedion vitreum vitreum (2)
Dist.: Man, Ont
Records: 1. Cannon 1972 (Ont); 2. Poole and Dick 1985 (Man); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar and Nepszy 1988 (Ont); 6. Caira 1989 (Ont)
Remarks: The synonymy is according to Caira (1989). Margolis and Arthur (1979) listed previous Canadian records as *Bunoderina sacculata*. Cannon (1972) identified the host as a "perch."
- Crepidostomum auriculatum* (Wedl, 1858) Pratt, 1902 (FW)
Syn.: *Crepidostomum lintoni* (Pratt in Linton, 1901) Hopkins, 1933
Site: intestine
Hosts: *Acipenser fulvescens* (2,3,4,6,7)
Acipenser transmontanus (1,5)
Dist.: BC, Sask, Man, Ont
Records: 1. Margolis and McDonald 1986 (BC); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont) 4. Dechtiar and Lawrie 1988 (Ont); 5. Caira 1989 (BC); 6. Choudhury et al. 1990 (Sask, Man); 7. Choudhury and Dick 1993 (Sask, Man)
Remarks: The synonymy is according to Caira (1989). Margolis and Arthur (1979) listed previous Canadian records as *Crepidostomum lintoni*.
- Crepidostomum brevivitellum* Hopkins, 1934 (FW)
Site: intestine
Host: *Anguilla rostrata*
Dist.: NS
Record: Cone et al. 1993 (NS)
- Crepidostomum cooperi* Hopkins, 1931 (FW)
Sites: intestine, pyloric caeca
Hosts: *Ambloplites rupestris* (9)
Coregonus artedii (2)
Coregonus clupeaformis (4)
Lepomis gibbosus (9)
Micropterus dolomieu (9)
Perca flavescens (1,3,5,7,8,9,10,11)
Salmo salar (4)
Salvelinus fontinalis (6)

Salvelinus namaycush (4)

Dist.: Man, Ont, Que-b, Lab

Records: 1. Cannon 1972 (Ont); 2. Anthony 1978a (Ont); 3. 1978b (Ont); 4. Chinniah and Threlfall 1978 (Lab); 5. Stewart-Hay, Dickson, both cited in Lubinsky and Loch 1979 (Man); 6. Black 1981 (Que-b); 7. Poole and Dick 1985 (Man); 8. Dechtiar and Christie 1988 (Ont); 9. Dechtiar et al. 1988 (Ont); 10. Dechtiar and Nepszy 1988 (Ont); 11. Szalai and Dick 1991a (Man)

Remarks: Cannon (1972) identified the host as a "perch."

Crepidostomum cornutum (Osborn, 1903) Stafford, 1904 (FW)

Site: intestine

Hosts: *Ambloplites rupestris* (1,3)

Amia calva (2)

Lepomis gibbosus (2)

Lepomis macrochirus (1)

Micropterus dolomieu (1,4)

Micropterus salmoides (1)

Perca flavescens (3)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar and Nepszy 1988

Crepidostomum farionis (O. F. Müller, 1780) Lühe, 1909 (FW)

Sites: intestine, pyloric caeca, gall bladder

Hosts: *Catostomus catostomus* (13,23)

Coregonus artedii (4,9,10,15,34)

Coregonus clupeaformis (3,5,9,10,15,22,34)

Coregonus hoyi (34)

Coregonus sardinella (20,21)

Cottus cognatus (3,22)

Esox lucius (9,12)

Gasterosteus aculeatus (24)

Lota lota (3,13,22,23)

Oncorhynchus clarki (18)

Oncorhynchus gorbusha (17,29,34)

Oncorhynchus keta (28)

Oncorhynchus kisutch (13,15,18,23)

Oncorhynchus mykiss (3,13,22,23,35)

Oncorhynchus nerka (3,13,22,23,30,33)

Oncorhynchus tshawytscha (3,13,22,23)

Perca flavescens (27)

Prosopium cylindraceum (34,38)

Prosopium williamsoni (3,13,22,23)

Salmo salar (1,11,24,42)

Salvelinus alpinus (8,14,16,20,25,26,37)

Salvelinus fontinalis (5,6,7,24,31,32,33,34,36,40,41,42)

Salvelinus fontinalis × *Salvelinus namaycush* (2,39)

Salvelinus malma (3,13,22,23)

Salvelinus namaycush (5,19,20,21,23,34,38)

Thymallus arcticus (3,22,38)

Dist.: BC, YT, Alta, Man, NWT, Ont, Que, PEI, NB, NB-b, NS, Nfld, Lab

Records: 1. Hare 1975 (NB); 2. Dechtiar and Berst 1978 (Ont); 3. Anonymous 1978 (BC); 4. Anthony 1978 (Ont); 5. Chinniah and Threlfall 1978 (Lab); 6. Gordon et al. 1978 (Que); 7. Thompson and Threlfall 1978 (Que); 8. Curtis 1979 (NWT); 9. Watson, cited in Lubinsky and Loch 1979 (Man); 10. Watson and Dick 1979 (Man); 11. Pippy 1980 (PEI, NB, NS, Nfld, Lab); 12. Watson and Dick 1980 (Man); 13. Anonymous 1981 (BC); 14. Dick and Belosevic 1981 (NWT); 15. Leong and Holmes 1981 (Alta); 16. Curtis 1982 (NWT); 17. Margolis 1982 (Nfld); 18. Margolis and Moravec 1982 (BC); 19. Stewart and Bernier 1982 (NWT); 20. 1983 (NWT); 21. 1984 (NWT); 22. Arai and Mudry 1983 (BC); 23. Anonymous 1984 (BC); 24. Cone and Ryan 1984 (Nfld); 25. Curtis 1984 (Que); 26. Dick 1984 (NWT); 27. Poole and Dick 1984 (Man); 28. Whitaker 1985 (BC); 29. Anthony 1986 (Ont); 30. Bailey and Margolis 1987 (BC); 31. Frimeth 1987a (NB); 32. 1987b (NB, NB-b); 33. Dechtiar et al. 1988 (Ont); 34. Dechtiar and Lawrie 1988 (Ont); 35. Szalai and Dick 1988 (Man); 36. Baggs and McT. Cowan 1989 (Nfld); 37. Bouillon and Dempson 1989 (Lab); 38. Caira 1989 (YT); 39. Dechtiar et al. 1989 (Ont); 40. Wright et al. 1989 (Que); 41. Albert and Curtis 1991 (Que); 42. Marcogliese and Cone 1991 (Nfld)

Crepidostomum illinoiense Faust, 1918 (FW)

Syn.: *Crepidostomum hiodontos* Hunter and Bangham, 1932

Site: intestine

Host: *Hiodon tergisus*

Dist.: Man

Record: Glenn 1980

Remarks: The synonymy is according to Caira (1989).

Crepidostomum isostomum Hopkins, 1931 (FW)

Site: intestine

Hosts: *Etheostoma nigrum* (2)

Percina caprodes (1)

Percopsis omiscomaycus (1,2,3)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988

Crepidostomum metoecus (Braun, 1900) Braun, 1900 (FW)

Sites: intestine, pyloric caeca

Hosts: *Oncorhynchus clarki* (1)

Oncorhynchus kisutch (1)

Thymallus arcticus (2)

Dist.: BC, YT

Records: 1. Margolis and Moravec 1982 (BC); 2. Caira 1989 (YT)

- Crepidostomum* spp. (FW) Christie 1988 (Ont); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar and Lawrie 1988 (Ont)
 Sites: intestine, pyloric caeca
 Hosts: *Coregonus clupeaformis* (4)
Cottus cognatus (5)
Lota lota (2)
Micropterus dolomieu (3)
Oncorhynchus mykiss (4)
Perca flavescens (1)
Stizostedion vitreum vitreum (1)
 Dist.: Alta, Ont
 Records: 1. Anthony 1978b (Ont); 2. 1987 (Ont); 3. Mackie et al. 1983 (Ont); 4. McAllister and Mudry 1983 (Alta); 5. Dechtiar et al. 1989 (Ont)
- Creptotrema funduli* Mueller, 1934 (FW)
 Site: intestine
 Hosts: *Perca flavescens* (3)
Umbra limi (1,2)
 Dist.: Man, Ont
 Records: 1. Dechtiar and Christie 1988 (Ont); 2. Dechtiar et al. 1988 (Ont); 3. Szalai and Dick 1991a (Man)
- Megalogonia ictaluri* Surber, 1928 (FW)
 Syn.: *Crepidostomum ictaluri* (Surber, 1928) Van Cleave and Mueller, 1934
 Site: intestine
 Hosts: *Ameiurus nebulosus* (1,2,3)
Ictalurus punctatus (3,4)
Noturus flavus (2)
Noturus gyrinus (2)
 Dist.: Ont, Que
 Records: 1. Frechette et al. 1978 (Que); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Nepszy 1988 (Ont)
 Remarks: The synonymy is according to Yamaguti (1971).

SUBORDER PLAGIORCHIATA
 Superfamily GORGODEROIDEA
 Family GORGODERIDAE

- Phyllodistomum brevicecum* Steen, 1938 (FW)
 Site: ureters
 Host: *Umbra limi*
 Dist.: Ont
 Record: Dechtiar et al. 1988
- Phyllodistomum coregoni* Dechtiar, 1966 (FW)
 Sites: ureters, urinary bladder
 Hosts: *Coregonus clupeaformis* (1,2,3,4,5)
Prosopium cylindraceum (1)
 Dist.: Alta, Ont, Lab
 Records: 1. Chinniah and Threlfall 1978 (Lab); 2. Leong and Holmes 1981 (Alta); 3. Dechtiar and
- Phyllodistomum fausti* Pearse, 1924 (FW)
 Site: ureters
 Host: *Aplodinotus grunniens*
 Dist.: Ont
 Record: Dechtiar and Nepszy 1988
- Phyllodistomum lacustris* (Loewen, 1929) Lewis, 1935 (FW)
 Site: ureters
 Host: *Ictalurus punctatus*
 Dist.: Ont
 Record: Dechtiar and Nepszy 1988
- Phyllodistomum lohrenzi* (Loewen, 1935) Bhalerao, 1937 (FW)
 Site: ureters
 Hosts: *Ambloplites rupestris* (1)
Micropterus dolomieu (2)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988
- Phyllodistomum lysteri* Miller, 1940 (FW)
 Site: ureters
 Hosts: *Carpiodes cyprinus* (4)
Catostomus catostomus (2,5)
Catostomus commersoni (1,2,3,4,5)
Moxostoma macrolepidotum (2)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar and Nepszy 1988; 5. Dechtiar et al. 1989
- Phyllodistomum notropidus* Fischthal, 1942 (FW)
 Site: ureters
 Host: *Luxilus cornutus*
 Dist.: Ont
 Record: Dechtiar et al. 1989
- Phyllodistomum semotili* Fischthal, 1942 (FW)
 Site: ureters
 Host: *Semotilus atromaculatus*
 Dist.: Ont
 Record: Dechtiar et al. 1989
- Phyllodistomum staffordi* Pearse, 1924 (FW)
 Site: ureters
 Host: *Ameiurus nebulosus*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Lawrie 1988
- Phyllodistomum superbum* Stafford, 1904 (FW)
 Site: ureters
 Host: *Perca flavescens*

Dist.: Ont
Records: Dechtiar et al. 1988; Dechtiar and Lawrie 1988

Phyllodistomum umblae (Fabricius, 1780) Bakke, 1982 (FW)

Syns.: *Phyllodistomum limnosa* Sandeman and Pippy, 1967

?*Phyllodistomum lachancei* Choquette, 1947

Sites: ureters, urinary bladder

Hosts: *Oncorhynchus mykiss* (5,7)
Oncorhynchus nerka (4,5,6,8,10)
Salmo salar (1,2)
Salvelinus alpinus (3,9)
Salvelinus fontinalis (1,7,11,12)
Salvelinus namaycush (1)

Dist.: Pac, BC, Ont, Que, Nfld, Lab

Records: 1. Chinniah and Threlfall 1978 (Lab); 2. Pippy 1980 (Nfld); 3. Curtis 1984 (Que); 4. Bailey and Margolis 1987 (BC); 5. Bakke and Bailey 1987 (BC); 6. Bailey, Margolis, and Groot 1988 (Pac); 7. Dechtiar et al. 1988 (Ont); 8. Bailey, Margolis, and Workman 1989 (BC); 9. Bouillon and Dempson 1989 (Lab); 10. Groot et al. 1989 (Pac); 11. Wright et al. 1989 (Que); 12. Albert and Curtis 1991 (Que)

Remarks: Bakke and Bailey (1987) provided the above synonymy, but noted that *Phyllodistomum lachancei* is "...probably also a synonym...but a more detailed scanning electron microscope study...is required for confirmation". Margolis and Arthur (1979) listed previous Canadian records as both *Phyllodistomum limnosa* and *Phyllodistomum lachancei*.

Phyllodistomum undulans Steen, 1938 (FW)

Site: ureters

Host: *Cottus bairdi*

Dist.: Ont

Record: Dechtiar et al. 1988

Phyllodistomum spp. (FW,M)

Sites: ureters, urinary bladder

Hosts: *Ameiurus nebulosus* (4)
Coregonus artedii (7)
Coregonus hoyi (7)
Esox lucius (6)
Mylocheilus caurinus (2)
Notemigonus crysoleucas (9)
Oncorhynchus mykiss (1,2,5)
Oncorhynchus nerka (1,5)
Perca flavescens (3)
Phoxinus eos (9)
Phoxinus neogaeus (9)
Prosopium cylindraceum (7,8)
Ptychocheilus oregonensis (2)
Richardsonius balteatus (2)
Salvelinus namaycush (1,5)
Sebastes nebulosus (10)

Dist.: Pac, BC, Ont, Que

Records: 1. Anonymous 1978 (BC); 2. 1984 (BC); 3. Anthony 1978b (Ont); 4. Frechette et al. 1978 (Que); 5. Arai and Mudry 1983 (BC); 6. Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9. Dechtiar et al. 1989 (Ont); 10. Holmes 1990 (Pac)

Gorgoderidae gen.sp. (M)

Site: urinary bladder

Host: *Pleuronectes vetulus*

Dist.: Pac

Record: Kabata and Whitaker 1984

Superfamily MICROPHALLOIDEA Family MICROPHALLIDAE

Microphallus opacus (Ward, 1894) Ward, 1901 (FW)

Site: intestine

Hosts: *Ameiurus nebulosus* (2)

Ictalurus punctatus (1)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988

Superfamily OPECOELOIDEA Family LISSORCHIIDAE

Lissorchis attenuatus (Mueller and Van Cleave, 1932)

Krygier and Macy, 1969 (FW)

Site: intestine

Hosts: *Carpionodes cyprinus* (7)

Catostomus catostomus (1,2,6)

Catostomus commersoni (3,4,5,6,7)

Catostomus macrocheilus (1,2)

Dist.: BC, Alta, Ont

Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Leong and Holmes 1981 (Alta); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Dechtiar and Nepszy 1988 (Ont)

Lissorchis gullaris Self and Campbell, 1956 (FW)

Site: [intestine]

Host: *Carpionodes cyprinus*

Dist.: Man

Record: Szalai and Dick 1987a

Lissorchis kritskyi Barnhart and Powell, 1979 (FW)

Site: [intestine]

Host: *Perca flavescens*

Dist.: Man

Record: Poole and Dick 1985

Plagiocirrus primus Van Cleave and Mueller, 1932 (FW)
Site: intestine
Host: *Notemigonus crysoleucas*
Dist.: Ont
Record: Dechtiar and Christie 1988

Genitocotyle atlantica Manter, 1947 (M)
Site: intestine
Host: *Alosa sapidissima*
Dist.: Atl, NS
Record: Hogans et al. 1993

Family OPECOELIDAE

Allopodocotyle boleosomi (Pearse, 1924) Kuntz and Font, 1984 (FW)

Syns.: *Allocreadium boleosomi* Pearse, 1924
Podocotyle boleosomi (Pearse, 1924) Yamaguti, 1971

Remarks: Kuntz and Font (1984) redescribed the species, reviewed the taxonomic history of this parasite and proposed the above synonymy. Margolis and Arthur (1979) listed the only Canadian record as *Podocotyle boleosomi*.

Anisorchis opisthorchis Polyansky, 1955 (M)

Site: intestine
Hosts: *Artemiellus uncinatus*
Leptagonus decagonus
Dist.: Atl
Record: Bray 1979

Anomalotrema koiae Gibson and Bray, 1984 (M)

Site: intestine
Hosts: *Hippoglossus hippoglossus* (4)
Reinhardtius hippoglossoides (4)
Sebastes fasciatus (3)
Sebastes mentella (1)
Sebastes norvegicus (1)
Urophycis chesteri (2)
Dist.: Atl
Records: 1. Gibson and Bray 1984; 2. Scott 1987; 3. 1988; 4. Scott and Bray 1989

Anomalotrema putjatini Zhukov, 1957 (M)

Site: intestine
Host: *Hemilepidotus hemilepidotus*
Dist.: Pac
Record: Gibson and Bray 1984

Caudotestis nicolli Issaitschikov, 1928 (M)

Site: intestine
Hosts: *Anarhichas lupus* (1,2)
Triglops murrayi (1)
Dist.: Atl
Records: 1. Bray 1979; 2. 1987

Genitocotyle acirra Park, 1937 (M)

Site: intestine
Host: *Pleuronectes vetulus*
Dist.: Pac
Record: Kabata and Whitaker 1984

Helicometra insolita Polyansky, 1955 (M)

Site: intestine
Host: *Lumpenus lumpretaeformis*
Dist.: Atl
Record: Bray 1979

Helicometra plovornini Issaitschikov, 1928 (M)

Site: intestine
Hosts: *Anarhichas lupus* (1,2)
Lycodes reticulatus (1)
Lycodes vahli (1)
Triglops murrayi (1)
Dist.: Atl
Records: 1. Bray 1979; 2. 1987

Helicometra sebastis (Sekerak and Arai, 1974) Bray, 1979 (M)

Syn.: *Neohelicometra sebastis* Sekerak and Arai, 1974
Sites: [pyloric caeca, intestine]
Hosts: *Sebastes flavidus* (2)
Sebastes nebulosus (1)
Dist.: Pac
Records: 1. Holmes 1990; 2. Stanley et al. 1992
Remarks: The synonymy is according to Bray (1979). Margolis and Arthur (1979) listed previous Canadian records as *Neohelicometra sebastis*.

Helicometrina nimia Linton, 1910 (M)

Sites: [pyloric caeca, intestine]
Host: *Sebastes nebulosus*
Dist.: Pac
Record: Holmes 1990

Macvicaria soleae (Dujardin, 1845) Gibson and Bray, 1982 (M)

Syn.: *Plagioporus varius* (Nicoll, 1910) Price, 1934.
Remarks: The synonymy is according to Gibson and Bray (1982). Margolis and Arthur (1979) listed the only Canadian record as *Plagioporus varius*.

Neolebouria tinkerbella Thompson and Margolis 1987 (M)

Site: [intestine]
Hosts: *Gasterosteus aculeatus*
Leptocottus armatus
Platichthys stellatus
Dist.: [Pac]
Record: Thompson and Margolis 1987 (exper)

Opecoeloides vitellosus (Linton, 1900) von Wicklen, 1946 (M)

Syn.: *Cymbephallus vitellosus* Linton, 1900

- Site: intestine
Hosts: *Eopsetta exilis* (1)
Rhinochimaera atlantica (2)
Dist.: Pac, Atl
Records: 1. Ronald 1959 (Pac); 2. Hogans and Hurlbut 1984 (Atl)
Remarks: The synonymy is according to Stunkard (1978). Ronald (1959) did not report the locality of collection, but the record is based on material collected by L. Margolis from the Pacific coast of Canada.
- Opecoelina* sp. (M)
Site: intestine
Host: *Anoplopoma fimbria*
Dist.: Pac
Record: Kabata and Whitaker 1984
- Pellamyzon abitionis* (McFarlane, 1936) Gibson and Bray, 1982 (M)
Syn.: *Podocotyle abitionis* McFarlane, 1936
Remarks: The synonymy is according to Gibson and Bray (1982). Margolis and Arthur (1979) listed McFarlane's record as *Podocotyle abitionis*.
- Peracreadium idoneum* (Nicoll, 1909) Gibson and Bray, 1982 (M)
Syn.: *Plagioporus idoneus* (Nicoll, 1909) Price, 1934
Site: intestine
Hosts: *Anarhichas lupus* (1,2,3)
Anarhichas minor (1,3)
Dist.: Atl
Records: 1. Bray 1979; 2. 1987; 3. Zubchenko 1980
Remarks: The synonymy is according to Gibson and Bray (1982).
- Plagioporus cooperi* (Hunter and Bangham, 1932) Price, 1934 (FW)
Site: intestine
Hosts: *Couesius plumbeus*
Luxilis cornutus
Notropis atherinoides
Notropis hudsonius
Dist.: Ont
Record: Dechtiar et al. 1988
- Plagioporus sinitsini* Mueller, 1934 (FW)
Sites: intestine, gall bladder
Hosts: *Luxilis cornutus*
Notropis hudsonius
Dist.: Ont
Record: Dechtiar and Christie 1988
- Plagioporus* spp. (M)
Sites: intestine, pyloric caeca
Host: *Sebastes flavidus*
- Dist.: Pac
Records: Lee et al. 1990; Stanley et al. 1992
- Podocotyle angulata* Dujardin, 1845 (M)
Site: intestine
Host: *Salvelinus fontinalis*
Dist.: NB, NB-b
Records: Frimeth 1987a (NB); 1987b (NB, NB-b)
- Podocotyle araii* Gibson, 1986 (M)
Site: intestine
Hosts: *Sebastes aleutianus*
Sebastes alutus
Sebastes borealis
Sebastes brevispinis
Dist.: Pac
Record: Gibson 1986
- Podocotyle atomon* (Rudolphi, 1802) Odhner, 1905 (M)
Site: intestine
Hosts: *Gadus morhua* (3)
Hippoglossoides platessoides (2,4)
Hippoglossus hippoglossus (7)
Myoxocephalus scorpius (1)
Pleuronectes americanus (4,5)
Pleuronectes ferrugineus (4)
Urophycis chuss (6)
Dist.: Atl
Records: 1. Bray 1979; 2. Umnova 1979; 3. Appy and Burt 1982; 4. Scott 1982; 5. 1985; 6. 1987; 7. Scott and Bray 1989
Remarks: Although Canada was not specifically given as a collection locality by Umnova (1979), we are including this record because the host is caught commercially in our region.
- Podocotyle endophrysi* Park, 1937 (M)
Site: intestine
Hosts: *Aulorhynchus flavidus* (2)
Oligocottus maculosus (1)
Platichthys stellatus (2)
Triglops pingeli (2)
Dist.: Pac
Records: 1. Ching 1979 (exper); 2. Gibson 1986
- Podocotyle gibbonsia* Johnson, 1949 (M)
Site: intestine
Host: *Platichthys stellatus*
Dist.: Pac
Record: Gibson 1986
- Podocotyle radfistuli* (Acena, 1941) Gibson and Bray, 1984 (M)
Site: intestine
Hosts: *Blepsias cirrhosus* (1)
Leptocottus armatus (1)
Sebastes nebulosus (2)

- Dist.: Pac
Records: 1. Gibson and Bray 1984; 2. Holmes 1990
- Podocotyle reflexa* (Creplin, 1825) Odhner, 1905 (M)
Sites: intestine, pyloric caeca, stomach
Hosts: *Alosa sapidissima* (10)
Gadus morhua (2)
Hippoglossus hippoglossus (1,9)
Merluccius bilinearis (7)
Oncorhynchus gorboscha (3)
Pollachius virens (6)
Sebastes fasciatus (5,8)
Sebastes mentella (5)
Sebastes norvegicus (4,5)
Urophycis chuss (7)
Urophycis musicki (7)
Dist.: Nfld, Atl
Records: 1. Zubchenko 1980 (Atl); 2. Appy and Burt 1982 (Atl); 3. Margolis 1982 (Nfld); 4. Noble 1973 (Atl); 5. Bourgeois and Ni 1984 (Atl); 6. Scott 1985 (Atl); 7. 1987 (Atl); 8. 1988 (Atl); 9. Scott and Bray 1989 (Atl); 10. Hogans et al. 1993 (Atl)
- Podocotyle sinusacca* Ching, 1960 (M)
Site: intestine
Hosts: *Hexagrammos decagrammus*
Hexagrammos stelleri
Leptocottus armatus
Dist.: Pac
Record: Gibson and Bray 1984
- Podocotyle staffordi* Miller, 1941 (M)
Site: [intestine]
Host: *Oncorhynchus gorboscha*
Dist.: Nfld
Record: Margolis 1982
- Podocotyle theragrae* (Lloyd, 1938) Gibson and Bray, 1984 (M)
Site: intestine
Hosts: *Ophiodon elongatus*
Sebastes alutus
Sebastes caurinus
Theragra chalcogramma
Dist.: Pac
Record: Gibson and Bray 1984
- Podocotyle* spp. (M)
Sites: intestine, pyloric caeca
Hosts: *Eopsetta jordani* (1)
Leptocottus armatus (2)
Oligocottus maculosus (2)
Pleuronectes vetulus (4)
Sebastes flavidus (5,6)
Theragra chalcogramma (3,4)
Dist.: Pac
Records: 1. Ronald 1959; 2. Ching 1979; 3. Arthur 1984; 4. Kabata and Whitaker 1984; 5. Lee et al. 1990; 6. Stanley et al. 1992
Remarks: Ronald (1959) did not report the locality of collection, but the record is based on material collected by L. Margolis from the Pacific coast of Canada.
- Pseudopecoelus vulgaris* (Manter, 1934) von Wicklen, 1946 (M)
Site: [intestine]
Hosts: *Anoplopoma fimbria* (2)
Urophycis musicki (1)
Dist.: Pac, Atl
Records: 1. Scott 1987 (Atl); 2. Kabata et al. 1988 (Pac)
- Stenakron vetustum* Stafford, 1904 (M)
Sites: intestine, stomach
Hosts: *Careproctus reinhardtii* (1)
Gadus morhua (4)
Glyptocephalus cynoglossus (2,5)
Hemirhamphus americanus (1)
Hippoglossoides platessoides (1,2,4,5,7)
Hippoglossus hippoglossus (1,2,10)
Lumpenus lumpretaeformis (1)
Lycodes vahli (1)
Pleuronectes americanus (5,6)
Pleuronectes ferrugineus (1,5)
Reinhardtius hippoglossoides (1,3,9,10,11,12,13)
Urophycis musicki (8)
Dist.: Atl, E Arc
Records: 1. Bray 1979 (Atl); 2. Zubchenko 1980 (Atl); 3. Reimer 1981 (E Arc); 4. Appy and Burt 1982 (Atl); 5. Scott 1982 (Atl); 6. 1985b (Atl); 7. Zubchenko 1985a (Atl); 8. Scott 1987 (Atl); 9. Wierzbicka 1988 (Atl); 10. Scott and Bray 1989 (Atl); 11. Wierzbicka 1991a (Atl); 12. 1991b (Atl); 13. Krzykowski and Wierzbicka 1992 (Atl)
Remarks: Removal of the genus *Stenakron* from the family Fellodistomidae and its placement in the family Opecoelidae is according to Bray and Gibson (1980). The parasite index in Margolis and Arthur (1979) listed this species as *Stenakron vetustum*. Wierzbicka (1991a,b) and Krzykowski and Wierzbicka (1992) reported this parasite as *Stenacron vetustum*.
- Stenakron* spp. (M)
Site: intestine
Hosts: *Glyptocephalus cynoglossus* (1)
Hippoglossoides platessoides (1)
Hippoglossus hippoglossus (1)
Pleuronectes ferrugineus (1)
Pleuronectes putnami (1)
Reinhardtius hippoglossoides (1)
Triglops murrayi (2)
Dist.: Atl
Records: 1. Redkozubova 1978; 2. Bray 1979

Remarks: Redkozubova (1978) did not list the individual hosts for this parasite, but it was said to be found in all flounders examined. Placement of the genus *Stenakron* in the family Opecoelidae is according to Bray and Gibson (1980).

Opecoelidae gen.sp. (M)
Site: [intestine]
Host: *Sebastes norvegicus*
Dist.: Atl
Record: Bourgeois and Ni 1984

Family ZOOGONIDAE

Brachyenteron pycnorganum (Rees, 1953) Overstreet and Pritchard, 1977 (M)
Syns.: *Deretrema pycnorganum* (Rees, 1953) Yamaguti, 1958
Pseudochetosoma spinosum (Polyansky, 1955) Yamaguti, 1971
Steganoderma spinosa Polyansky, 1955
Sites: gall bladder, bile duct, intestine
Hosts: *Anarhichas lupus* (1,3,4)
Anarhichas minor (1,2,4)
Dist.: Atl
Records: 1. Bray 1979; 2. Zubchenko 1980; 3. Bray and Gibson 1986; 4. Bray 1987a
Remarks: The synonymy is according to Bray (1987b).

Deretrema cholaeum McFarlane, 1936 (M)
Site: [gall bladder]
Host: *Sebastes nebulosus*
Dist.: Pac
Record: Holmes 1990

Lepidophyllum appyi Bray and Gibson, 1986 (M)
Site: urinary bladder
Hosts: *Lycodes reticulatus*
Lycodes vahli
Macrozoarces americanus
Dist.: Atl
Record: Bray and Gibson 1986

Lepidophyllum steenstrupi Odhner, 1902 (M)
Site: urinary bladder
Hosts: *Anarhichas denticulatus* (1,5)
Anarhichas lupus (1,2,3,4,5)
Anarhichas minor (4)
Lycodes reticulatus (1)
Lycodes vahli (1)
Dist.: Atl
Records: 1. Bray 1979; 2. Noble 1973; 3. Bray 1987a; 4. Zubchenko 1980; 5. Bray and Gibson 1986

Pseudozoogonoides subaequiporus (Odhner, 1911) Bray and Gibson, 1986 (M)
Syn.: *Diptherostomum microacetabulum* Shulman-Albova, 1952
Site: intestine
Hosts: *Anarhichas minor* (2)
Hippoglossoides platessoides (1,2,3,4,5)
Dist.: Atl
Records: 1. Bray 1979; 2. Zubchenko 1980; 3. Scott 1982; 4. Zubchenko 1985a; 5. Bray and Gibson 1986
Remarks: The synonymy is according to Bray and Gibson (1986). Scott (1982) stated, in footnotes, that his specimens were previously misidentified as *Zoogonoides viviparus*. Margolis and Arthur (1979) reported these Canadian records as *Zoogonoides viviparus*.

Steganoderma formosum Stafford, 1904 (M)
Site: intestine, pyloric caeca
Hosts: *Atheresthes stomias* (6)
Gadus morhua (3)
Hippoglossus hippoglossus (1,2,11)
Myoxocephalus octodecemspinosus (1)
Myoxocephalus scorpius (1)
Pleuronectes americanus (4,7)
Pleuronectes ferrugineus (4)
Reinhardtius hippoglossoides (11,12,13,14,15)
Sebastes fasciatus (10)
Theragra chalcogramma (5)
Urophycis chuss (9)
Urophycis musicki (9)
Pleuronectidae gen.sp. (8)
Dist.: Atl, Pac
Records: 1. Bray 1979 (Atl); 2. Zubchenko 1980 (Atl); 3. Appy and Burt 1982 (Atl); 4. Scott 1982 (Atl); 5. Arthur 1984 (Pac); 6. Kabata and Whitaker 1984 (Pac); 7. Scott 1985b (Atl); 8. Morrison et al. 1986 (Atl); 9. Scott 1987 (Atl); 10. 1988 (Atl); 11. Wierzbicka 1988 (Atl); 12. Scott and Bray 1989 (Atl); 13. Wierzbicka 1991a (Atl); 14. 1991b (Atl); 15. Krzykawski and Wierzbicka 1992 (Atl)

Steganodermatoides agassizi (Campbell, 1975) Bray, 1985 (M)
Syns.: *Allosteganoderma agassizi* (Campbell, 1975) Campbell, 1983
Hudsonia agassizi Campbell, 1975
Site: [intestine]
Hosts: *Alepocephalus agassizi*
Alepocephalus bairdi
Dist.: Atl
Record: Zubchenko 1984
Remarks: The synonymy is according to Bray (1985).

Zoogonoides viviparus (Olsson, 1863) Odhner, 1902 (M)
Site: digestive tract

Host: *Hippoglossoides platessoides*
 Dist.: Atl
 Records: Umnova 1979; Zubchenko 1980
 Remarks: Although Canada was not specifically given as a collection locality by Umnova (1979), we are including this record because the host is caught commercially in our region.

Zoogonus dextrocirrus Aldrich, 1961 (M)
 Sites: [intestine, pyloric caeca]
 Host: *Sebastes nebulosus*
 Dist.: Pac
 Record: Holmes 1990

Zoogonus lasius (Leidy, 1891) Stunkard, 1940 (M)
 Site: intestine
 Host: *Salvelinus fontinalis*
 Dist.: NB
 Record: Frimeth 1987a

Zoogonidae gen.sp. (M)
 Site: [digestive tract]
 Host: *Alepocephalus agassizi*
 Dist.: Atl
 Record: Zubchenko 1984

Superfamily PLAGIORCHIOIDEA
 Family MACRODEROIDIDAE

Alloglossidium corti (Lamont, 1921) Van Cleave and Mueller, 1934 (FW)
 Site: intestine
 Hosts: *Ictalurus punctatus* (1,2,3)
 Noturus flavus (1)
 Noturus gyrinus (1)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Nepszy 1988

Alloglossidium geminus (Mueller, 1930) Van Cleave and Mueller, 1934 (FW)
 Syn.: *Glossidium geminum* (Mueller, 1930) Yamaguti, 1954
 Site: intestine
 Hosts: *Ameiurus nebulosus* (1,2)
 Noturus flavus (2)
 Dist.: Ont, Que
 Records: 1. Frechette et al. 1978 (Que); 2. Dechtiar and Christie 1988 (Ont)
 Remarks: The synonymy is according to Vande Vusse (1980) and Carney and Brooks (1991). Margolis and Arthur (1979) listed previous Canadian records as *Glossidium geminum*.

Macroderoides typicus (Winfield, 1929) Van Cleave and Mueller, 1932 (FW)
 Site: intestine
 Host: *Amia calva*
 Dist.: Ont
 Record: Dechtiar and Christie 1988

DIGENEA INCERTAE SEDIS
 Family TRANSVERSOTREMATIDAE

Prototransversotrema sp. (FW)
 Site: under scales
 Host: *Luxilus cornutus*
 Dist.: Ont
 Record: Dechtiar and Christie 1988

Unidentified Digenea

Digenea gen. spp. metacercaria (FW,M)
 Sites: encysted in gills, on heart, and on viscera
 Hosts: *Gadus morhua* (1)
 Melanogrammus aeglefinus (1)
 Pollachius virens (1)
 Salvelinus fontinalis (2)
 Dist.: Que, Atl
 Records: 1. Morrison et al. 1986 (Atl); 2. Albert and Curtis 1991 (Que)

Digenea gen.spp. (FW,M)
 Site: [digestive tract]
 Hosts: *Anoplopoma fimbria* (3,5)
 Clupea harengus (4)
 Coregonus artedii (2)
 Esox lucius (2)
 Gadus morhua (4)
 Hippoglossoides platessoides (1)
 Hippoglossus stenolepis (8)
 Lota lota (2)
 Merluccius bilinearis (7)
 Pleuronectes ferrugineus (4)
 Scomber scombrus (4)
 Sebastes nebulosus (6)
 Dist.: Pac, Alta, Atl
 Records: 1. Zubchenko 1980 (Atl); 2. McAllister and Mudry 1983 (Alta); 3. Kabata and Whitaker 1984 (Pac); 4. Morrison et al. 1986 (Atl); 5. Kabata et al. 1988 (Pac); 6. Holmes 1990 (Pac); 7. Waldron 1992 (Atl); 8. Tremble et al. 1993 (Pac)

CLASS MONOGENEA
SUBCLASS POLYONCHOINEA
ORDER CAPSALIDEA
Family ACANTHOCOTYLIDAE

Pseudacanthocotyla pacifica (Bonham and Guberlet, 1938)
Yamaguti, 1963 (M)
Site: ventral body surface
Host: *Raja rhina*
Dist.: Pac
Record: Beverley-Burton et al. 1986

Family CAPSALIDAE

Benedenia sp. (M)
Sites: skin, buccal cavity
Host: *Sebastes maliger*
Dist.: Pac
Record: Beverley-Burton et al. 1986

Entobdella hippoglossi (O. F. Müller, 1776) Blainville, 1818 (M)
Syns.: *Entobdella curvunca* Ronald, 1957
Entobdella squamula (Heath, 1902) Johnston, 1929
Sites: skin, ventral body surface
Hosts: *Eopsetta jordani* (1,4,5)
Hippoglossus stenolepis (1,3,5)
Reinhardtius hippoglossoides (2)
Dist.: Pac, Atl
Records: 1. Ronald 1959 (Pac); 2. Redkozubova 1976 (Atl); 3. Beverley-Burton 1984 (Pac); 4. Beverley-Burton et al. 1986 (Pac); 5. Klassen et al. 1989 (Pac)
Remarks: The synonymy is according to Klassen et al. (1989). Margolis and Arthur (1979) reported previous Canadian records for *Entobdella curvunca*, and cited Johnston (1856) as the authority for the combination *Entobdella hippoglossi*. Ronald (1959) did not report the locality of collection, but the records were based on material collected by L. Margolis from the Pacific coast of Canada. The Beverley-Burton (1984) record was based on information provided in the caption to the colour plate in her publication.

Entobdella pugetensis Robinson, 1961 (M)
Site: gill cavity
Hosts: *Atheresthes stomias* (2,3)
Theragra chalcogramma (1)

Dist.: Pac
Records: 1. Arthur 1984; 2. Beverley-Burton 1984; 3. Kabata and Whitaker 1984

Entobdella sp. (M)
Site: [body surface]
Host: *Reinhardtius hippoglossoides*
Dist.: Atl
Records: Wierzbicka 1988; 1991a; 1991b; Krzykawski and Wierzbicka 1992

Nasicola hogansi Wheeler and Beverley-Burton, 1987 (M)
Site: nasal cavity
Host: *Thunnus thynnus*
Dist.: Atl
Record: Wheeler and Beverley-Burton 1987

Nitzschia sturionis (Abildgaard, 1794) Krøyer, 1852 (M)
Site: gills
Host: *Acipenser oxyrhynchus*
Dist.: NB-b
Record: Appy and Dadswell 1978

Tristoma coccineum Cuvier, 1817 (M)
Sites: gills, gill cavity
Host: *Xiphias gladius*
Dist.: Atl
Records: Hogans et al. 1983; Beverley-Burton 1984

Tristoma integrum Diesing, 1850
Site: gills
Host: *Xiphias gladius*
Dist.: Atl
Records: Hogans et al. 1983; Beverley-Burton 1984

Trochopus marginata (Folda, 1928) Price, 1936 (M)
Site: gills
Host: *Sebastes flavidus*
Dist.: Pac
Record: Stanley et al. 1992

Trochopus trituba (Pratt and Aldrich, 1953) Bravo-Hollis, 1958 (M)
Site: gills, buccal cavity
Hosts: *Sebastes caurinus*
Sebastes melanops
Dist.: Pac
Record: Beverley-Burton et al. 1986

Capsalidae gen.sp. (M)
Site: gill cavity
Host: *Theragra chalcogramma*
Dist.: Pac
Record: Arthur 1984

ORDER DACTYLOGYRIDEA
SUBORDER DACTYLOGYRINEA
Family DACTYLOGYRIDAE
Subamily ANCYROCEPHALINAE

Actinocleidus bakeri Mizelle and Cronin, 1943 (FW)
Remarks: This species, for which the only Canadian record was listed by Margolis and Arthur (1979), was considered a *species inquirendae* by Beverley-Burton (1986).

Actinocleidus brevicirrus Mizelle and Jaskoski, 1942 (FW)
Site: gills
Host: *Lepomis macrochirus*
Dist.: Ont
Record: Dechtiar and Christie 1988

Actinocleidus gibbosus Mizelle and Donahue, 1944 (FW)
Site: gills
Host: *Lepomis gibbosus*
Dist.: Ont
Records: Hanek 1974; Hanek and Fernando 1978a; 1978b; 1978e
Remarks: Beverley-Burton (1986) considered this species to be a *species inquirendae*.

Actinocleidus incus Mizelle and Donahue, 1944 (FW)
Syns.: *Actinocleidus scapularis* Mizelle and Donahue, 1944
Actinocleidus sigmoideus Mizelle and Donahue, 1944
Remarks: Beverley-Burton (1986) provided the above synonymy and considered this species to be a *species inquirendae*. Margolis and Arthur (1979) listed previous Canadian records under all three species names.

Actinocleidus oculatus (Mueller, 1934) Mueller, 1937 (FW)
Site: gills
Host: *Lepomis gibbosus*
Dist.: Ont
Record: Beverley-Burton 1981

Actinocleidus recurvatus Mizelle and Donahue, 1944(FW)
Sites: gills, body surface
Host: *Lepomis gibbosus* (1,2,3,4,5,6)
Dist.: Ont, NB
Records: 1. Hanek 1974 (Ont); 2. Hanek and Fernando 1978a, 1978b, 1978e (Ont); 3. Cone 1980 (NB); 4. Beverley-Burton 1981 (Ont); 5. Dechtiar and Christie 1988 (Ont); 6. Dechtiar et al. 1988 (Ont)

Actinocleidus sp. (FW)
Site: gills
Hosts: *Lepomis macrochirus*
Micropterus salmoides
Dist.: Ont
Record: Dechtiar and Christie 1988

Aethycteron caerulei Suriano and Beverley-Burton, 1982 (FW)
Site: gills
Host: *Etheostoma caeruleum*
Dist.: Ont
Record: Suriano and Beverley-Burton 1981

Aethycteron hargisi (Hanek and Fernando, 1972) Suriano and Beverley-Burton, 1982 (FW)
Syn.: *Urocleidus hargisi* Hanek and Fernando, 1972
Site: gills
Host: *Etheostoma nigrum*
Dist.: Ont
Records: Suriano and Beverley-Burton 1982; Dechtiar and Christie 1988
Remarks: The synonymy is according to Suriano and Beverley-Burton (1982). Margolis and Arthur (1979) listed a previous Canadian record as *Urocleidus hargisi*.

Aethycteron malleus (Mueller, 1938) Suriano and Beverley-Burton, 1982 (FW)
Syn.: *Urocleidus malleus* (Mueller, 1938) Mizelle and Hughes, 1938
Site: gills
Hosts: *Percina caprodes* (2,3)
Percina maculata (1)
Dist.: Ont
Records: 1. Suriano and Beverley-Burton 1982; 2. Dechtiar and Christie 1988; 3. Dechtiar et al. 1988
Remarks: The synonymy is according to Suriano and Beverley-Burton (1982). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus malleus*.

Aethycteron micropercae Suriano and Beverley-Burton, 1982 (FW)
Site: gills
Host: *Etheostoma micropercae*
Dist.: Ont
Record: Suriano and Beverley-Burton 1982

Aethycteron moorei (Mizelle, 1940) Suriano and Beverley-Burton, 1982 (FW)
Site: gills
Host: *Etheostoma flabellare*
Dist.: Ont
Record: Suriano and Beverley-Burton 1982

- Aethycteron nigrei* Suriano and Beverley-Burton, 1982 (FW)
 Site: gills
 Host: *Etheostoma nigrum*
 Dist.: Ont
 Record: Suriano and Beverley-Burton 1982
- Aethycteron* sp. (FW)
 Site: gills
 Hosts: *Etheostoma caeruleum*
Etheostoma exile
 Dist.: Ont
 Record: Dechtiar and Christie 1988
- Anchoradiscus triangularis* (Summers, 1937) Mizelle, 1941 (FW)
 Site: gills
 Host: *Lepomis macrochirus*
 Dist.: Ont
 Record: Dechtiar and Christie 1988
- Clavunculus bursatus* (Mueller, 1936) Mizelle, Stokely, Jaskoski, Seamster, and Monaco, 1956 (FW)
 Syns.: *Actinocleidus unguis* Mizelle and Cronin, 1943
Actinocleidus mizellei Hanek and Fernando, 1972 (in part)
 Site: gills
 Host: *Micropterus dolomieu*
 Dist.: Ont
 Record: Dechtiar et al. 1988
 Remarks: Beverley-Burton (1986) provided the above synonymy. Canadian records for both synonyms were previously listed by Margolis and Arthur (1979).
- Cleidodiscus alatus* Mueller, 1938 (FW)
 Site: gills
 Host: *Ambloplites rupestris*
 Dist.: Ont
 Records: Hanek 1974; Hanek and Fernando 1978a; 1978d; 1978f
- Cleidodiscus brachus* Mueller, 1938 (FW)
 Syn.: *Urocleidus brachus* (Mueller, 1938) Price, 1967
 Site: gills
 Hosts: *Margariscus margarita* (1,3,4)
Phoxinus eos (1)
Semotilus atromaculatus (1,2,3,4)
 Dist.: Ont, NB
 Records: 1. Cone 1980 (NB); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar et al. 1989 (Ont)
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus brachus*.
- Cleidodiscus megalonchus* (Mueller, 1936) Mizelle and Hughes, 1938 (FW)
 Site: gills
 Host: *Micropterus dolomieu*
 Dist.: Ont
 Record: Dechtiar et al. 1989
- Cleidodiscus robustus* Mueller, 1934 (FW)
 Site: gills
 Hosts: *Lepomis gibbosus* (1,2,3,4,5)
Lepomis macrochirus (4)
 Dist.: Ont
 Records: 1. Hanek 1974; 2. Hanek and Fernando 1978a; 1978b; 1978e; 3. Beverley-Burton and Suriano 1980a; 4. Dechtiar and Christie 1988; 5. Dechtiar et al. 1988
- "*Cleidodiscus*" *vanleavei* Mizelle, 1936 (FW)
 Remarks: Beverley-Burton (1984) noted that, after emendation of the generic diagnosis for *Cleidodiscus* by Beverley-Burton and Suriano (1980), *C. vanleavei* could not be included in the genus *Cleidodiscus* and that further studies on living material were required before a generic designation was feasible. Margolis and Arthur (1979) listed a previous Canadian record as *Cleidodiscus vanleavei*.
- Cleidodiscus venardi* Mizelle and Jaskoski, 1942 (FW)
 Site: fins
 Host: *Lepomis macrochirus*
 Dist.: Ont
 Record: Dechtiar and Christie 1988
- Cleidodiscus* sp. (FW)
 Site: gills
 Host: *Stizostedion vitreum vitreum*
 Dist.: Ont
 Record: Anthony 1978b
- Leptocleidus megalonchus* Mueller, 1936 (FW)
 Syn.: *Urocleidus megalonchus* (Mueller, 1936) Price, 1967
 Site: gills
 Host: *Micropterus dolomieu*
 Dist.: Ont
 Record: Dechtiar et al. 1988
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus megalonchus*.
- Ligictaluridus floridanus* (Mueller, 1936) Beverley-Burton, 1984 (FW)
 Syn.: *Cleidodiscus floridanus* Mueller, 1936
 Site: gills
 Host: *Ictalurus punctatus*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Nepszy 1988
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Cleidodiscus floridanus*.

- Ligictaluridus mirabilis* (Mueller, 1937) Klassen and Beverley-Burton, 1985 (FW)
 Site: gills
 Host: *Ictalurus punctatus*
 Dist.: Ont
 Record: Klassen and Beverley-Burton 1985
- Ligictaluridus monticellii* (Cognetti de Martiis, 1924) Klassen and Beverley-Burton, 1985 (FW)
 Site: nasal cavities
 Host: *Ameiurus nebulosus*
 Dist.: Ont
 Records: Klassen and Beverley-Burton 1985; Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar et al. 1989
- Ligictaluridus posthon* Klassen, Beverley-Burton, and Dechtiar, 1985 (FW)
 Site: gills
 Host: *Noturus flavus*
 Dist.: Ont
 Record: Klassen et al. 1985
- Ligictaluridus pricei* (Mueller, 1936) Beverley-Burton, 1984 (FW)
 Syn.: *Cleidodiscus pricei* Mueller, 1936
 Site: gills
 Hosts: *Ameiurus nebulosus* (1,2,3,4,5,6)
Ictalurus punctatus (7)
Noturus flavus (4,5)
Noturus gyrinus (3,4)
 Dist.: Ont, NB
 Records: 1. Cone 1980 (NB); 2. Beverley-Burton 1984 (Ont); 3. Klassen and Beverley-Burton 1985 (Ont); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Dechtiar and Nepszy 1988 (Ont)
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Cleidodiscus pricei*.
- Lyrodiscus longibasus* Rogers, 1967 (FW)
 Site: fins
 Hosts: *Lepomis macrochirus*
Pomoxis nigromaculatus
 Dist.: Ont
 Record: Dechtiar and Christie 1988
- Lyrodiscus minimus* Kritsky and Hathaway, 1969 (FW)
 Site: fins
 Host: *Ambloplites rupestris*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988
- Lyrodiscus rupestris* Dechtiar, 1973 (FW)
 Sites: fins, nares
 Host: *Ambloplites rupestris*
- Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Lawrie 1988
- Lyrodiscus seminolensis* Rogers, 1967 (FW)
 Sites: fins, skin
 Hosts: *Lepomis gibbosus*
Lepomis macrochirus
 Dist.: Ont
 Record: Dechtiar and Christie 1988
- Onchocleidus acer* Mueller, 1936 (FW)
 Syn.: *Pterocleidus acer* (Mueller, 1936) Mueller, 1937
Urocleidus acer (Mueller, 1936) Mizelle and Hughes, 1938
 Site: gills
 Host: *Lepomis gibbosus*
 Dist.: Ont
 Records: Hanek, 1974; Hanek and Fernando 1978a; 1978b; 1978c; Beverley-Burton and Suriano 1980b; 1980c; Dechtiar and Christie 1988; Wheeler and Beverley-Burton 1989
 Remarks: The synonymy is according to Wheeler and Beverley-Burton (1989). Margolis and Arthur (1979) listed a previous Canadian record as *Urocleidus acer*.
- Onchocleidus attenuatus* (Mizelle, 1941) Beverley-Burton 1984 (FW)
 Syn.: *Urocleidus attenuatus* Mizelle, 1941
 Site: gills
 Host: *Lepomis gibbosus*
 Dist.: Ont
 Records: Hanek 1974; Hanek and Fernando 1978a; 1978b; 1978e
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus attenuatus*.
- Onchocleidus chautauquensis* (Mueller, 1938) Murith and Beverley-Burton, 1984 (FW)
 Syn.: *Urocleidus chautauquensis* (Mueller, 1938) Mizelle and Hughes, 1938
 Site: gills
 Host: *Ambloplites rupestris*
 Dist.: Ont
 Records: Hanek 1974; Hanek and Fernando 1978a; 1978d; 1978f; Dechtiar and Christie 1988; Dechtiar et al. 1988
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus chautauquensis*.
- Onchocleidus chrysops* (Mizelle and Klucka, 1953) Beverley-Burton, 1984 (FW)
 Syn.: *Urocleidus chrysops* Mizelle and Klucka, 1953
 Site: gills
 Host: *Morone chrysops*
 Dist.: Ont

- Records: Dechtiar et al. 1988; Dechtiar and Christie 1988; Dechtiar and Nepszy 1988
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed a previous Canadian record as *Urocleidus chrysops*.
- Onchocleidus dispar* Mueller, 1936 (FW)
 Syns.: *Haplocleidus dispar* (Mueller, 1936) Mueller, 1937
Urocleidus dispar (Mueller, 1936) Mizelle and Hughes, 1938
 Site: gills
 Hosts: *Lepomis gibbosus* (1,2,3,5,6,7)
Micropterus dolomieu (4,6)
 Dist.: Ont, NB
 Records: 1. Hanek 1974 (Ont); 2. Hanek and Fernando 1978a, 1978b, 1978e (Ont); 3. Beverley-Burton and Suriano 1980b, 1980c (Ont); 4. Cone 1980 (NB); 5. Dechtiar and Christie 1988 (Ont); 6. Dechtiar et al. 1988 (Ont); 7. Wheeler and Beverley-Burton 1989 (Ont)
 Remarks: The synonymy is according to Wheeler and Beverley-Burton (1989). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus dispar*.
- Onchocleidus ferox* (Mueller, 1934) Mueller, 1936 (FW)
 Syn.: *Urocleidus ferox* Mueller, 1934
 Site: gills
 Hosts: *Lepomis gibbosus* (1,2,3,4,5,7)
Lepomis macrochirus (4)
Micropterus dolomieu (4,6)
 Dist.: Ont
 Records: 1. Hanek, 1974; 2. Hanek and Fernando 1978a, 1978b, 1978c, 1978e; 3. Beverley-Burton and Suriano 1981; 4. Dechtiar and Christie 1988; 5. Dechtiar et al. 1988; 6. Dechtiar and Lawrie 1988; 7. Wheeler and Beverley-Burton 1989
 Remarks: The synonymy is according to Beverley-Burton and Suriano (1981). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus ferox*.
- Onchocleidus furcatus* (Mueller, 1937) Wheeler and Beverley-Burton, 1989 (FW)
 Syns.: *Haplocleidus furcatus* Mueller, 1937
Urocleidus furcatus (Mueller, 1937) Mizelle and Hughes, 1948
 Site: gills
 Hosts: *Lepomis gibbosus*
Micropterus salmoides
 Dist.: Ont
 Record: Dechtiar and Christie 1988
 Remarks: The synonymy is according to Wheeler and Beverley-Burton (1989). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus furcatus*.
- Onchocleidus helicus* Mueller, 1936 (FW)
 Syn.: *Urocleidus helicus* (Mueller, 1936) Mizelle and Hughes, 1938
 Site: gills
 Host: *Micropterus dolomieu*
 Dist.: Ont
 Record: Dechtiar and Christie 1988
 Remarks: Beverley-Burton (1984) reinstated *Urocleidus helicus* in the genus *Onchocleidus* but noted that it was inadequately described. Wheeler and Beverley-Burton (1989) considered this species to be a *species inquirendae*. Margolis and Arthur (1979) listed a previous Canadian record as *Urocleidus helicus*.
- Onchocleidus minus* Mueller, 1936 (FW)
 Syns.: *Urocleidus rogersi* Hanek and Fernando, 1975
Onchocleidus rogersi (Hanek and Fernando, 1975) Beverley-Burton, 1984
 Site: gills
 Hosts: *Morone americana* (1,2)
Morone chrysops (1)
 Dist.: Ont
 Records: 1. Beverley-Burton et al. 1986; 2. Dechtiar and Christie 1988
 Remarks: The synonymy is according to Wheeler and Beverley-Burton (1989). Margolis and Arthur (1979) listed a previous Canadian record as *Urocleidus rogersi*.
- Onchocleidus principalis* Mizelle, 1936 (FW)
 Syn.: *Urocleidus principalis* (Mizelle, 1936) Mizelle and Hughes, 1938
 Site: gills
 Host: *Micropterus dolomieu*
 Dist.: Ont
 Record: Dechtiar and Christie 1988
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus principalis*.
- Onchocleidus similis* Mueller, 1936 (FW)
 Syns.: *Urocleidus procax* Mizelle and Donahue, 1944
Urocleidus similis (Mueller, 1936) Mizelle and Hughes, 1938
 Site: gills
 Host: *Lepomis gibbosus* (1,2,3)
 Dist.: Ont, NB
 Records: 1. Cone 1980 (NB); 2. Beverley-Burton and Suriano 1981 (Ont); 3. Wheeler and Beverley-Burton 1989 (Ont)
 Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records for both *Urocleidus procax* and *U. similis*.
- Salsuginus angularis* (Mueller, 1934) Beverley-Burton, 1984 (FW)
 Syn.: *Urocleidus angularis* Mueller, 1934

- Site: gills
Host: *Fundulus diaphanus* (1,2)
Dist.: Ont, NB
Records: 1. Beverley-Burton 1984 (Ont); 2. Murith and Beverley-Burton 1985 (Ont, NB)
Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus angularis*.
- Salsuginus fundulus* (Mizelle, 1940) Beverley-Burton, 1984 (FW)
Syn.: *Urocleidus fundulus* Mizelle, 1940
Site: gills
Host: *Fundulus diaphanus* (1,2,3)
Dist.: Ont, NB
Records: 1. Cone 1980 (NB); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont)
Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed a previous Canadian record as *Urocleidus fundulus*.
- Salsuginus heteroclitii* Murith and Beverley-Burton, 1985 (M,FW)
Site: gills
Host: *Fundulus heteroclitus*
Dist.: NB-b, Atl
Record: Murith and Beverley-Burton 1985
- Synclathrium fusiformis* (Mueller, 1934) Price, 1967 (FW)
Site: gills
Hosts: *Micropterus dolomieu* (1,2,3,4)
Micropterus salmoides (1)
Dist.: Ont
Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Nepszy 1988; 4. Dechtiar et al. 1989
- Tetracleidus banghami* Mueller, 1936 (FW)
Syn.: *Cleidodiscus banghami* (Mueller, 1936) Mizelle, 1940
Site: gills
Host: *Micropterus dolomieu*
Dist.: Ont
Records: Beverley-Burton 1984; Murith and Beverley-Burton 1984; Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Lawrie 1988; Dechtiar and Nepszy 1988
Remarks: The synonymy is according to Murith and Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Cleidodiscus banghami*.
- Tetracleidus capax* (Mizelle, 1936) Beverley-Burton, 1984 (FW)
Syn.: *Cleidodiscus capax* Mizelle, 1936
Site: gills
Host: *Pomoxis nigromaculatus*
Dist.: Ont
- Records: Dechtiar and Christie 1988; Dechtiar et al. 1988
Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Cleidodiscus capax*.
- Tetracleidus glenorensis* (Hanek and Fernando, 1972) Beverley-Burton, 1984 (FW)
Syn.: *Cleidodiscus glenorensis* Hanek and Fernando, 1972
Site: gills
Host: *Ambloplites rupestris*
Dist.: Ont
Records: Hanek 1974; Hanek and Fernando 1978a; 1978d; 1978f; Dechtiar and Christie 1988
Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Cleidodiscus glenorensis*.
- Tetracleidus longus* (Mizelle, 1936) Beverley-Burton, 1984 (FW)
Syns.: *Cleidodiscus longus* Mizelle, 1936
Cleidodiscus uniformis Mizelle, 1936
Site: gills
Host: *Pomoxis nigromaculatus*
Dist.: Ont
Records: Dechtiar and Christie 1988; Dechtiar et al. 1988
Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records for both *Cleidodiscus longus* and *C. uniformis*.
- Tetracleidus stentor* (Mueller, 1937) Beverley-Burton, 1984 (FW)
Syn.: *Cleidodiscus stentor* Mueller, 1937
Site: gills
Hosts: *Ambloplites rupestris* (1,2,3,4)
Pomoxis nigromaculatus (3)
Dist.: Ont
Records: 1. Hanek 1974; 2. Hanek and Fernando 1978a, 1978d, 1978f; 3. Dechtiar and Christie 1988; 4. Dechtiar and Lawrie 1988
Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed previous Canadian records as *Cleidodiscus stentor*. Dechtiar and Christie (1988) stated that the record from *Pomoxis nigromaculatus* was an "...accidental infection from rock bass..."
- Urocleidus aculeatus* (Van Cleave and Mueller, 1932) Mueller, 1934 (FW)
Syn.: *Cleidodiscus aculeatus* (Van Cleave and Mueller, 1932) Mizelle and Regensberger, 1945
Site: gills
Hosts: *Perca flavescens* (1)
Stizostedion vitreum vitreum (1,2,3,4,5,6,7)
Dist.: Man, Ont

Records: 1. Anthony 1978b (Ont); 2. Suriano and Beverley-Burton 1981 (Ont); 3. Poole and Dick 1985 (Man); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Dechtiar and Nepszy 1988 (Ont)
Remarks: The synonymy is according to Suriano and Beverley-Burton (1981).

Urocleidus adspectus Mueller, 1936 (FW)

Site: gills

Host: *Perca flavescens* (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15)

Dist.: Man, Ont, NB

Records: 1. Cone 1978 (NB); 2. Cone 1979a (NB); 3. 1979b (NB); 4. 1979d (NB); 5. 1980 (NB); 6. Cone and Burt 1981 (NB, exper.); 7. 1982a (exper.); 8. 1982b (NB); 9. 1985 (NB); 10. Poole and Dick 1985 (Man); 11. Dechtiar and Christie 1988 (Ont); 12. Dechtiar et al. 1988 (Ont); 13. Dechtiar and Lawrie 1988 (Ont); 14. Dechtiar and Nepszy 1988 (Ont); 15. Szalai and Dick 1991a (Man)

"*Urocleidus*" *alatus* (Mueller, 1938) Price, 1968 (FW)

Site: gills

Host: *Ambloplites rupestris*

Dist.: Ont

Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Lawrie 1988

Remarks: Beverley-Burton (1984) noted that, after emendation of the generic diagnoses of both *Cleidodiscus* and *Urocleidus* by Beverley-Burton and Suriano (1980, 1981), *Urocleidus alatus* could not be included in either genus (*Cleidodiscus alatus* was regarded as a synonym of *Urocleidus alatus*) and that further studies on living material were required before generic designation was feasible. Margolis and Arthur (1979) listed previous Canadian records as *Urocleidus alatus*.

Urocleidus baldwini (Dechtiar, 1974) Beverley-Burton, 1984 (FW)

Syn.: *Cleidodiscus baldwini* Dechtiar, 1974

Site: gills

Host: *Percopsis omiscomaycus*

Dist.: Ont

Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Lawrie 1988

Remarks: The synonymy is according to Beverley-Burton (1984). Margolis and Arthur (1979) listed a previous Canadian record as *Cleidodiscus baldwini*.

Urocleidus sp. (FW)

Remarks: Beverley-Burton (1984) noted that the report of this parasite from *Micropterus salmoides* in Ontario by Molnar et al. (1974), and previously listed by Margolis and Arthur (1979), was probably an incorrect identification since *Urocleidus* spp. do not appear to parasitize centrarchids.

Subfamily DACTYLOGYRINAE

Acolpenteron catostomi Fischthal and Allison, 1942 (FW)

Site: ureters

Hosts: *Carpiodes cyprinus* (10)

Catostomus catostomus (1,2,3,5,8,9,11)

Catostomus columbianus (3)

Catostomus commersoni (4,6,7,8,9,10,11)

Catostomus macrocheilus (1,2,3,5)

Dist.: BC, Ont, NB

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Cone 1980 (NB); 5. Arai and Mudry 1983 (BC); 6. Beverley-Burton 1984 (Ont); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Dechtiar and Nepszy 1988 (Ont); 11. Dechtiar et al. 1989 (Ont)

Acolpenteron ureteroecetes Fischthal and Allison, 1940 (FW)

Site: ureters

Host: *Micropterus dolomieu*

Dist.: Ont

Record: Dechtiar et al. 1988

Dactylogyrus anchoratus (Dujardin, 1845) Wagener, 1857 (FW)

Site: gills

Host: *Cyprinus carpio*

Dist.: Ont

Record: Dechtiar et al. 1988

Dactylogyrus atromaculatus Mizelle, 1938 (FW)

Site: gills

Host: *Semotilus atromaculatus*

Dist.: Ont

Record: Dechtiar et al. 1989

Dactylogyrus attenuatus Mizelle and Klucka, 1953 (FW)

Site: gills

Host: *Semotilus atromaculatus*

Dist.: Ont

Records: Dechtiar et al. 1988; Dechtiar et al. 1989

Dactylogyrus aureus Seamster, 1948 (FW)

Site: gills

Host: *Notemigonus crysoleucas*

Dist.: Ont

Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar et al. 1989

Dactylogyrus banghami Mizelle and Donahue, 1944 (FW)

Site: gills

Hosts: *Couesius plumbeus* (2,4)

Luxilis cornutus (1)

Rhinichthys atratulus (1,2)

Rhinichthys cataractae (1,2,3)

Semotilus margarita (2,4)

- Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar et al. 1989
- Dactylogyrus bifurcatus* Mizelle, 1937 (FW)
 Site: gills
 Hosts: *Pimephales notatus* (1,2,3)
Pimephales promelas (1,3)
 Dist.: Ont
 Records: 1. Dechtiar et al. 1988; 2. Dechtiar and Lawrie 1988; 3. Dechtiar et al. 1989
- Dactylogyrus buddi* Dechtiar, 1974 (FW)
 Site: gills
 Hosts: *Cottus bairdi* (1,2)
Cottus cognatus (1,3)
Cottus ricei (2)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar et al. 1989
- Dactylogyrus bulbosus* Mueller, 1938 (FW)
 Site: gills
 Hosts: *Luxilus cornutus* (1,2)
Notemigonus crysoleucas (1)
 Dist.: Ont, NB
 Records: 1. Cone 1980 (NB); 2. Dechtiar and Christie 1988 (Ont)
- Dactylogyrus chrosomi* Hanek, Molnar, and Fernando, 1975 (FW)
 Site: gills
 Hosts: *Phoxinus eos* (2)
Phoxinus neogaeus (1,2)
 Dist.: Ont
 Records: 1. Dechtiar et al. 1988; 2. Dechtiar et al. 1989
- Dactylogyrus cornutus* Mueller, 1938 (FW)
 Site: gills
 Host: *Luxilus cornutus*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Lawrie 1988
- Dactylogyrus corporalis* Putz and Hoffman, 1964 (FW)
 Site: gills
 Host: *Semotilus corporalis*
 Dist.: NB
 Record: Cone 1980
- Dactylogyrus dubius* Mizelle and Klucka, 1953 (FW)
 Site: gills
 Host: *Semotilus atromaculatus*
 Dist.: NB
 Record: Cone 1980
- Dactylogyrus duquesni* (Mueller, 1938) Price, 1938 (FW)
 Site: gills
 Host: *Moxostoma macrolepidotum*
 Dist.: Ont
 Record: Dechtiar et al. 1988
- Dactylogyrus eos* Hanek, Molnar, and Fernando, 1975 (FW)
 Site: gills
 Host: *Phoxinus eos*
 Dist.: Ont, NB
 Records: Cone 1980 (NB); Dechtiar et al. 1989 (Ont)
 Remarks: Cone (1980) reported this parasite from *Chrosomus eos*. McAllister (1990) noted that *Chrosomus* is a synonym of *Phoxinus*.
- Dactylogyrus eucalius* Mizelle and Regensberger, 1945 (FW)
 Site: gills
 Host: *Culaea inconstans*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar et al. 1989
- Dactylogyrus extensus* Mueller and Van Cleave, 1932 (FW)
 Site: gills
 Host: *Cyprinus carpio*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988
- Dactylogyrus heterolepis* Hanek, Molnar, and Fernando, 1975 (FW)
 Site: gills
 Host: *Notropis heterolepis*
 Dist.: Ont
 Record: Dechtiar et al. 1988
- Dactylogyrus lineatus* Mizelle and Klucka, 1953 (FW)
 Site: gills
 Host: *Semotilus atromaculatus*
 Dist.: Ont
 Records: Dechtiar et al. 1988; Dechtiar et al. 1989
- Dactylogyrus luxilli* Rogers, 1967 (FW)
 Site: gills
 Hosts: *Luxilus cornutus* (2)
Notemigonus crysoleucas (1,2)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1989
- Dactylogyrus microphallus* Mueller, 1938 (FW)
 Site: gills
 Host: *Semotilus atromaculatus*
 Dist.: Ont
 Record: Dechtiar et al. 1989

- Dactylogyrus parvicirrus* Seamster, 1948 (FW)
 Site: gills
 Host: *Notemigonus crysoleucas*
 Dist.: Ont, NB
 Records: Cone 1980 (NB); Dechtiar et al. 1989 (Ont)
- Dactylogyrus pollex* Mizelle and Donahue, 1944 (FW)
 Site: gills
 Host: *Luxilus cornutus*
 Dist.: Ont
 Record: Dechtiar et al. 1988
- Dactylogyrus semotili* Wood and Mizelle, 1957 (FW)
 Site: gills
 Host: *Semotilus atromaculatus*
 Dist.: Ont
 Record: Dechtiar et al. 1989
- Dactylogyrus urus* Mueller, 1938 (FW)
 Site: gills
 Host: *Moxostoma macrolepidotum*
 Dist.: Ont
 Record: Dechtiar and Christie 1988
- Dactylogyrus vancleavei* Monaco and Mizelle, 1955 (FW)
 Site: gills
 Host: *Ptychocheilus oregonensis*
 Dist.: BC
 Records: Anonymous 1981; 1984
- Dactylogyrus* spp. (FW)
 Site: gills
 Hosts: *Etheostoma exile* (3)
Margariscus margarita (1)
Notropis atherinoides (2,3)
Notropis heterolepis (1)
Notropis hudsonius (2,3,4)
Oligocottus maculosus (5)
Phoxinus neogaeus (2)
Pimephales notatus (2)
Pimephales promelas (2)
Semotilus atromaculatus (1)
 Dist.: Pac, Ont, NB
 Records: 1. Cone 1980 (NB); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Lawrie 1988 (Ont); 5. Roth 1988 (Pac)
- Pellucidhaptor angularis* Kritsky and Hathaway, 1969 (FW)
 Sites: fins, body surface
 Host: *Carpionodes cyprinus*
 Dist.: Ont
 Records: Dechtiar and Nepszy 1988; Beverley-Burton et al. 1992
- Pellucidhaptor catostomi* Dechtiar, 1969 (FW)
 Sites: gills, nares
 Host: *Catostomus catostomus*
- Dist.: Ont
 Records: Dechtiar et al. 1988; Dechtiar and Lawrie 1988; Dechtiar et al. 1989
- Pellucidhaptor eremitus* Rogers, 1967 (FW)
 Site: fins
 Host: *Carpionodes cyprinus*
 Dist.: Ont
 Record: Dechtiar and Nepszy 1988
- Pellucidhaptor eriensis* Beverley-Burton, Chisholm, and Dechtiar, 1991 (FW)
 Sites: body surface, fins
 Hosts: *Carpionodes cyprinus*
Moxostoma macrolepidotum
 Dist.: Ont
 Record: Beverley-Burton et al. 1992
- Pellucidhaptor micracanthus* Kritsky, Leiby, and Shelton, 1972 (FW)
 Site: fins
 Host: *Carpionodes cyprinus*
 Dist.: Ont
 Records: Dechtiar and Nepszy 1988; Beverley-Burton et al. 1992
 Remarks: Dechtiar and Nepszy (1988) listed the parasite as *Pellucidhaptor microacanthus* [sic.].
- Pellucidhaptor moxostomi* Mergo and White, 1982 (FW)
 Sites: gills, fins
 Host: *Moxostoma anisurum*
 Dist.: Ont
 Record: Beverley-Burton et al. 1992
- Pellucidhaptor nasalis* Dechtiar, 1969 (FW)
 Site: nares
 Hosts: *Catostomus catostomus* (2)
Catostomus commersoni (1,3,4,5,6)
 Dist.: BC, Ont, NB
 Records: 1. Cone 1980 (NB); 2. Anonymous 1981 (BC); 3. 1984 (BC); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar et al. 1989 (Ont); 6. Beverley-Burton et al. 1992 (Ont)
- Pellucidhaptor pellucidhaptor* Price and Mizelle, 1964 (FW)
 Site: gills
 Host: *Richardsonius balteatus*
 Dist.: BC
 Records: Anonymous 1978; Arai and Mudry 1983
- Pellucidhaptor thelostea* Beverley-Burton, Chisholm, and Dechtiar, 1991 (FW)
 Sites: body surface, fins
 Hosts: *Moxostoma anisurum*
Moxostoma macrolepidotum
 Dist.: Ont
 Record: Beverley-Burton et al. 1992

Pellucidhaptor sp.

Sites: fins, body surface
Host: *Moxostoma macrolepidotum*
Dist.: Ont
Record: Dechtiar et al. 1988

Pseudocolpenteron pavlovskii Bykhovskiy and Gusev, 1955 (FW)

Sites: fins, body surface
Host: *Cyprinus carpio*
Dist.: Ont
Records: Dechtiar and Christie 1988; Dechtiar et al. 1988

Unidentified Dactylogyridae

Dactylogyridae gen.sp. (FW)

Site: [gills]
Host: *Esox lucius*
Dist.: Alta
Record: McAllister and Mudry 1983

Family PSEUDOMURRAYTREMATIDAE

Anonchhaptor anomalum Mueller, 1938 (FW)

Site: gills
Hosts: *Carpiodes cyprinus* (6,10)
Catostomus catostomus (1,2,3,5,8,11)
Catostomus commersoni (1,4,5,7,8,9,10,11)
Catostomus macrocheilus (1,5)
Moxostoma macrolepidotum (7)

Dist.: BC, Man, Ont, NB
Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Cone 1980 (NB); 5. Arai and Mudry 1983 (BC); 6. Szalai and Dick 1987a (Man); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Dechtiar and Nepszy 1988 (Ont); 11. Dechtiar et al. 1989 (Ont)

Anonchhaptor muelleri Kritsky, Leiby, and Shelton, 1972 (FW)

Site: fins
Host: *Carpiodes cyprinus*
Dist.: Ont
Record: Dechtiar and Nepszy 1988

Icelanonchhaptor fyviei Dechtiar and Dillon, 1974 (FW)

Sites: body surface, fins
Host: *Carpiodes cyprinus*
Dist.: Ont
Record: Dechtiar and Nepszy 1988

Icelanonchhaptor microcotyle Kritsky, Leiby, and Shelton, 1972 (FW)

Sites: body surface, fins
Host: *Carpiodes cyprinus*
Dist.: Ont

Record: Dechtiar and Nepszy 1988

Pseudomurraytrema alabarrum Rogers, 1966 (FW)

Site: gills
Host: *Catostomus commersoni*
Dist.: Ont
Record: Dechtiar et al. 1989

Pseudomurraytremacopulatum (Mueller, 1938) Bykhovskiy, 1957 (FW)

Site: gills
Hosts: *Catostomus catostomus* (1,2,3,4,7)
Catostomus columbianus (3)
Catostomus commersoni (1,4,5,7,8,9)
Catostomus macrocheilus (1,2,3,4)
Moxostoma macrolepidotum (5,6)

Dist.: BC, Ont
Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Dechtiar and Christie 1988 (Ont); 6. Dechtiar et al. 1988 (Ont); 7. Dechtiar and Lawrie 1988 (Ont); 8. Dechtiar and Nepszy 1988 (Ont); 9. Dechtiar et al. 1989 (Ont)

SUBORDER TETRAONCHINEA

Family TETRAONCHIDAE

Tetraonchus alaskensis Price, 1937 (FW)

Site: gills
Hosts: *Oncorhynchus kisutch* (2,3)
Salvelinus alpinus (4,6)
Salvelinus malma (1,2,3,5)

Dist.: BC, NWT
Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Beverley-Burton 1978 (NWT); 5. Arai and Mudry 1983 (BC); 6. Curtis 1984 (NWT)

Tetraonchus borealis (Olsson, 1893) Monticelli, 1905 (FW)

Site: gills
Host: *Thymallus arcticus*
Dist.: BC
Records: Anonymous 1978; Arai and Mudry 1983

Tetraonchus monenteron (Wagener, 1857) Diesing, 1858 (FW)

Site: gills
Hosts: *Esox lucius* (1,2,3,4,5,6,7,8,9)
Salvelinus namaycush (1)
Dist.: Alta, Man, Ont, Lab
Records: 1. Chinniah and Threlfall 1978 (Lab); 2. Watson, cited in Lubinsky and Loch 1979 (Man); 3. Watson and Dick 1980 (Man); 4. Anthony 1983 (Ont); 5. McAllister and Mudry 1983 (Alta); 6. Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9. Dechtiar and Nepszy 1988 (Ont)

Tetraonchus variabilis Mizelle and Webb, 1953 (FW)
Site: gills
Hosts: *Coregonus clupeaformis* (3)
Oncorhynchus mykiss (3)
Prosopium cylindraceum (5,6,7)
Prosopium williamsoni (1,2,3,4)
Dist.: BC, Ont
Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Dechtiar et al. 1989 (Ont)

Tetraonchus spp. (FW)
Site: [gills]
Hosts: *Salvelinus alpinus* (2)
Stizostedion vitreum vitreum (1)
Dist.: Alta, Lab
Records: 1. McAllister and Mudry 1983 (Alta); 2. Bouillon and Dempson 1989 (Lab)

ORDER GYRODACTYLIDEA Family GYRODACTYLIDAE

Fundulotrema prolongis (Hargis, 1955) Kritsky and Thatcher, 1977 (FW)
Syn.: *Gyrodactylus prolongis* Hargis, 1955
Site: body surface
Host: *Fundulus diaphanus* (1,2)
Dist.: Ont, NS
Records: 1. Cone and Odense 1988 (NS); 2. Dechtiar and Christie, 1988 (Ont)
Remarks: The synonymy is according to Kritsky and Thatcher (1977). Margolis and Arthur (1979) listed previous Canadian records as *Gyrodactylus prolongus* [sic].

Gyrodactyloides andriaschewi Bykhovsky and Polyansky, 1953 (M)
Site: gills
Hosts: *Clupea harengus* (3)
Mallotus villosus (1,2,4)
Dist.: Atl
Records: 1. Pálsson and Beverley-Burton 1983; 2. 1984; 3. McGladdery and Burt 1985; 4. Pálsson 1986

Gyrodactyloides petruschewskii Bykhovsky, 1947 (M)
Site: gills
Hosts: *Clupea pallasii* (1)
Mallotus villosus (2,3,4)
Dist.: Pac, Atl
Records: 1. Arthur and Arai 1980a (Pac); 2. Pálsson and Beverley-Burton 1983 (Atl); 3. 1984 (Atl); 4. Pálsson 1986 (Atl)

Gyrodactylus adpersi Cone and Wiles, 1983 (M)
Sites: gills, fins, body surface
Host: *Tautoglabrus adpersus*
Dist.: Atl
Records: Cone and Wiles 1983; Cone and Odense 1984

Gyrodactylus aggregata Mizelle and Kritsky, 1967 (M)
Site: gills
Host: *Embiotoca lateralis*
Dist.: Pac
Record: Beverley-Burton et al. 1986

Gyrodactylus alexanderi Mizelle and Kritsky, 1967 (FW)
Sites: body surface, fins
Host: *Gasterosteus aculeatus*
Dist.: BC
Record: Cone and Wiles 1985

Gyrodactylus atrauli Putz and Hoffman, 1963 (FW)
Site: fins
Host: *Rhinichthys cataractae*
Dist.: Ont
Record: Dechtiar et al. 1988

Gyrodactylus avalonia Hanek and Threlfall, 1969 (FW)
Syn.: *Gyrodactylus lairdi* Hanek and Threlfall, 1969
Gyrodactylus memorialis Hanek and Threlfall, 1969
Gyrodactylus terranova Hanek and Threlfall, 1969
Site: body surface
Hosts: *Fundulus diaphanus* (6)
Gasterosteus aculeatus (2,3,4,6)
Gasterosteus wheatlandi (4,5)
Oncorhynchus mykiss (1)
Pungitius pungitius (4)
Dist.: Ont, NB, NS, NS-b, Nfld, Nfld-b
Records: 1. Cone et al. 1983 (NS-b); 2. Cone and Odense 1984 (Nfld-b); 3. Cone and Ryan 1984 (Nfld); 4. Cone and Wiles 1985 (Ont, Nfld, NB, NS); 5. Cusack and Cone 1985 (NS); 6. Dechtiar and Christie 1988 (Ont)
Remarks: The synonymy is according to Cone and Wiles (1985). Margolis and Arthur (1979) listed previous Canadian records separately under the above four names.

Gyrodactylus bairdi Wood and Mizelle, 1957 (FW)
Syn.: *Gyrodactylus labradorius* Hanek and Threlfall, 1970
Site: fins
Hosts: *Cottus bairdi* (1,2)
Cottus cognatus (3)
Dist.: Ont
Records: 1. Dechtiar et al. 1988; 2. Dechtiar and Lawrie 1988; 3. Dechtiar et al. 1989
Remarks: The synonymy is according to Cone and Wiles (1983). Margolis and Arthur (1979) listed previous

- Canadian records separately under the above two names.
- Gyrodactylus bullatarudis* Turnbull, 1956 (FW)
 Sites: fins, body surface
 Host: *Poecilia reticulata*
 Dist.: Que, NS
 Records: Cone and Odense 1984 (NS); Scott 1985 (Que, exper)
 Remarks: Both Cone and Odense (1984) and Scott (1985) stated that the host was purchased from a pet store, hence the origin of the parasite is uncertain.
- Gyrodactylus calliaratus* Malmberg, 1957 (M)
 Sites: body surface, gills
 Host: *Salvelinus fontinalis*
 Dist.: NB
 Records: Frimeth 1987a; 1987b
- Gyrodactylus cameroni* Hanek and Threlfall, 1970 (FW)
 Sites: body surface, fins
 Host: *Apeltes quadracus*
 Dist.: NB-b, NS-b
 Record: Cone and Wiles 1985
- Gyrodactylus canadensis* Hanek and Threlfall, 1969 (FW)
 Site: gills
 Hosts: *Gasterosteus aculeatus* (1)
Gasterosteus wheatlandi (1)
Pungitius pungitius (1,2)
 Dist.: NWT, NB, NS, Nfld
 Records: 1. Cone and Wiles 1985 (NWT, NB, NS, Nfld); 2. Marcogliese 1992b (NS)
- Gyrodactylus colemanensis* Mizelle and Kritsky, 1967 (FW)
 Sites: fin edges, body surface
 Hosts: *Oncorhynchus mykiss* (1,2,5,6,7,8,9)
Salmo salar (5)
Salmo trutta (1)
Salvelinus fontinalis (1,2,3,4,5,9)
Salvelinus fontinalis × *Salvelinus namaycush* (1)
Salvelinus namaycush (1)
 Dist.: Ont, NB, NS, Nfld
 Records: 1. Cone et al. 1983 (Ont, NS, Nfld); 2. Cusack, 1986 (NS, exper); 3. Frimeth 1987a (NB); 4. 1987b (NB); 5. Cone and Cusack 1988 (NS); 6. Cusack, Rand, and Cone 1988 (NS); 7. Cone and Cusack 1989 (exper); 8. Cone and Wiles 1989 (exper); 9. Wells and Cone 1990 (NS, exper)
- Gyrodactylus couesius* Wood and Mizelle, 1957 (FW)
 Sites: fins, gills
 Host: *Couesius plumbeus*
 Dist.: Ont
 Records: Dechtiar et al. 1988; Dechtiar et al. 1989
- Gyrodactylus dechtiari* Hanek and Fernando, 1971 (FW)
 Site: fins
 Hosts: *Rhinichthys atratulus* (1,2)
Rhinichthys cataractae (2,3)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988
- Gyrodactylus etheostomae* Wellborn and Rogers, 1967 (FW)
 Site: fins
 Host: *Etheostoma nigrum*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988
- Gyrodactylus eucaliae* Ikezaki and Hoffman, 1957 (FW)
 Sites: body surface, fins
 Hosts: *Culaea inconstans* (1,2,3,4)
Pungitius pungitius (3)
 Dist.: Ont
 Records: 1. Cone and Wiles 1985; 2. Dechtiar and Christie 1988; 3. Dechtiar et al. 1988; 4. Dechtiar et al. 1989
- Gyrodactylus freemani* Hanek and Fernando, 1971 (FW)
 Site: fins
 Host: *Perca flavescens*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar et al. 1989
- Gyrodactylus fryi* Cone and Dechtiar, 1984 (FW)
 Site: body surface
 Host: *Esox masquinongy*
 Dist.: Ont
 Record: Cone and Dechtiar 1984
- Gyrodactylus funduli* Hargis, 1955 (FW)
 Site: fins
 Host: *Fundulus diaphanus*
 Dist.: Ont
 Record: Dechtiar et al. 1988
- Gyrodactylus goerani* Hanek and Fernando, 1971 (FW)
 Site: fins
 Host: *Ambloplitis rupestris*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1988
- Gyrodactylus groenlandicus* Levinsen, 1881 (M)
 Sites: gills, fins, body surface
 Host: *Myoxocephalus scorpius*
 Dist.: Atl
 Record: Cone and Wiles 1983
- Gyrodactylus gurleyi* Price, 1937 (FW)
 Sites: fins, body surface

- Host: *Carassius auratus*
Dist.: NS
Record: Cone and Wiles 1983
- Gyrodactylus harengi* Malmberg, 1957 (M)
Site: gills
Hosts: *Clupea harengus* (2)
Clupea pallasii (1)
Dist.: Pac, Atl
Records: 1. Arthur and Arai 1980a (Pac); 2. McGladdery and Burt 1985 (Atl)
- Gyrodactylus katharineri* Malmberg, 1964 (FW)
Site: body surface
Host: *Cyprinus carpio*
Dist.: Ont
Record: Cone and Dechtiar 1986
- Gyrodactylus lacustris* Mizelle and Kritsky, 1967 (FW)
Site: fins
Host: *Pimephales promelas*
Dist.: Ont
Record: Dechtiar et al. 1989
- Gyrodactylus limi* Wood and Mizelle, 1957 (FW)
Site: body surface
Host: *Umbra limi*
Dist.: Ont
Record: Dechtiar and Christie 1988
- Gyrodactylus lotae* Gusev, 1953 (FW)
Site: body surface
Host: *Lota lota*
Dist.: Ont
Record: Cone and Dechtiar 1986
- Gyrodactylus lucii* Kulakovskaya, 1952 (FW)
Site: body surface
Host: *Esox lucius*
Dist.: Ont
Record: Cone and Dechtiar 1986
- Gyrodactylus macrochiri* Hoffman and Putz, 1964 (FW)
Site: fins
Hosts: *Lepomis gibbosus* (1)
Lepomis macrochirus (1)
Micropterus dolomieu (1,2,3)
Micropterus salmoides (1)
Dist.: Ont
Records: 1. Dechtiar and Christie 1988; 2. Dechtiar and Nepszy 1988; 3. Dechtiar et al. 1989
- Gyrodactylus maculosi* Cone and Roth, 1993 (M)
Site: gills
Host: *Oligocottus maculosus*
Dist.: Pac
Record: Cone and Roth 1993
- Gyrodactylus margaritae* Putz and Hoffman, 1963 (FW)
Site: fins
Host: *Margariscus margarita*
Dist.: Ont
Record: Dechtiar et al. 1988
- Gyrodactylus medius* Kathariner, 1895 (FW)
Sites: body surface, fins, gills
Host: *Cyprinus carpio*
Dist.: Ont
Records: Dechtiar and Christie 1988; Dechtiar et al. 1988
- Gyrodactylus micropteri* Nicola and Cone, 1987 (FW)
Site: body surface
Host: *Micropterus dolomieu*
Dist.: Ont
Record: Nicola and Cone 1987
- Gyrodactylus nainum* Hanek and Threlfall, 1970 (M)
Sites: fins, gills
Host: *Myoxocephalus quadricornis*
Dist.: Atl
Record: Cone and Wiles 1983a
- Gyrodactylus nebulosus* Kritsky and Mizelle, 1968 (FW)
Site: fins
Host: *Ameiurus nebulosus*
Dist.: Ont
Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar et al. 1989
- Gyrodactylus nerkae* Cone, Beverley-Burton, Wiles, and McDonald, 1983 (FW)
Sites: body surface, gills
Host: *Oncorhynchus nerka*
Dist.: BC
Records: Cone et al. 1983; Bailey and Margolis 1987
- Gyrodactylus perlucidus* Bykhovskiy and Polyansky, 1953 (M)
Sites: body surface, gills
Host: *Salvelinus fontinalis*
Dist.: NB
Records: Frimeth 1987a; 1987b
- Gyrodactylus pleuronecti* Cone, 1981 (M)
Sites: fins, gills, body surface
Host: *Pleuronectes americanus*
Dist.: Atl
Records: Cone 1981; Cone and Wiles 1983; 1984
- Gyrodactylus salmonis* Yin and Sproston, 1948, status emended Cone, Beverley-Burton, Wiles and McDonald, 1983 (FW)
Sites: body surface, gills
Hosts: *Oncorhynchus clarki* (1)
Oncorhynchus kisutch (1)

- Oncorhynchus mykiss* (1,5,6)
Salmo salar (1,5)
Salvelinus fontinalis (1,2,3,4,5,6)
Dist.: BC, NB, NS
Records: 1. Cone et al. 1983 (BC,NS); 2. Cusack and Cone 1986 (NS); 3. Frimeth 1987a (NB); 4. 1987b (NB); 5. Cone and Cusack 1988 (NS); 6. Wells and Cone 1990 (NS, exper)
- Gyrodactylus spathulatus* Mueller, 1936 (FW)
Site: fins, gills
Host: *Catostomus commersoni*
Dist.: Ont
Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Nepszy 1988; Dechtiar et al. 1989
- Gyrodactylus stableri* Hathaway and Herlevich, 1973 (FW)
Site: fins
Host: *Fundulus diaphanus*
Dist.: Ont
Record: Dechtiar and Christie 1988
- Gyrodactylus stunkardi* Kritsky and Mizelle, 1968 (FW)
Site: fins
Hosts: *Etheostoma nigrum* (2)
Rhinichthys cataractae (1)
Dist.: Ont
Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988
- Gyrodactylus* spp. (FW,M)
Sites: gills, fins, body surface
Hosts: *Carassius auratus* (6,10)
Carpionodes cyprinus (16)
Catostomus catostomus (18)
Catostomus commersoni (13,14,15)
Esox lucius (14)
Esox masquinongy (13)
Etheostoma exile (14)
Gadus morhua (4,12,17)
Gasterosteus aculeatus (13)
Ictalurus punctatus (16)
Lepomis gibbosus (18)
Lota lota (18)
Luxilus cornutus (13,14,15,18)
Morone americana (13)
Moxostoma macrolepidotum (8,13)
Notemigonus crysoleucas (13,18)
Notropis atherinoides (14)
Notropis hudsonius (13,14)
Oncorhynchus kisutch (5)
Oncorhynchus mykiss (7)
Oncorhynchus nerka (5)
Percina caprodes (14)
Percopsis omiscomaycus (13,14,18)
Phoxinus eos (1,18)
- Phoxinus neogaeus* (13,14,18)
Pimephales notatus (14)
Pimephales promelas (13,14)
Pomoxis nigromaculatus (13)
Ptychocheilus oregonensis (9)
Pungitius pungitius (2,3,11)
Semotilus atromaculatus (1,18)
Syngnathus leptorhynchus (19)
Dist.: Pac, BC, Alta, NWT, Ont, NB, NS, Atl
Records: 1. Cone 1980 (NB); 2. Leong and Holmes 1981 (Alta); 3. Curtis 1982 (NWT); 4. Appy and Burt 1982 (Atl); 5. Margolis 1982 (BC); 6. Cone and Wiles 1983 (NS); 7. McAllister and Mudry 1983 (Alta); 8. Dechtiar, cited in Cone and Dechtiar 1984 (Ont); 9. McDonald, cited in Cone and Dechtiar 1984 (BC); 10. Cone and Odense 1984 (NS); 11. Cone and Wiles 1985 (Ont); 12. Khan 1987 (Atl); 13. Dechtiar and Christie 1988 (Ont); 14. Dechtiar et al. 1988 (Ont); 15. Dechtiar and Lawrie 1988 (Ont); 16. Dechtiar and Nepszy 1988 (Ont); 17. Khan and Kiceniuk, 1988 (Atl); 18. Dechtiar et al. 1989 (Ont); 19. Appleton and Cone 1992 (Pac)
Remarks: Cone and Odense (1984) noted that the host was purchased from a pet store, hence the origin of the parasite is uncertain.
- Laminiscus gussevi* (Bykhovsky and Polyansky, 1953)
Pálsson and Beverley-Burton, 1983 (M)
Site: gills
Host: *Mallotus villosus*
Dist.: Atl
Records: Pálsson and Beverley-Burton 1983; 1984; Pálsson 1986
- Laminiscus strelkowi* (Bykhovsky and Polyansky, 1953)
Pálsson and Beverley-Burton, 1983 (M)
Syn.: *Gyrodactyloides strelkowi* Bykhovsky and Polyansky, 1953
Site: gills
Hosts: *Oncorhynchus kisutch*
Salmo salar
Dist.: Pac
Record: Kent and Margolis 1992
Remarks: The synonymy is according to Pálsson and Beverley-Burton (1983). Margolis and Arthur (1979) listed the only Canadian record as *Gyrodactyloides strelkowi*.

Unidentified Gyrodactylidea

- Gyrodactylidea gen.spp. (FW)
Site: gills
Hosts: *Mylocheilus caurinus* (1,2)
Prosopium williamsoni (1,2)
Ptychocheilus oregonensis (1,2)
Dist.: BC
Records: 1. Anonymous 1978; 2. Arai and Mudry 1983

SUBCLASS OLIGONCHOINEA
ORDER CHIMAERICOLIDEA
Family CHIMAERICOLIDAE

Chimaericola leptogaster (Leuckart, 1830) Brinkmann, 1942 (M)

Site: gills

Host: *Hydrolagus collieri*

Dist.: Pac

Records: Beverley-Burton et al. 1986; Beverley-Burton 1990; Beverley-Burton et al. 1991

ORDER DICLYBOTHRIIDEA
Family DICLYBOTHRIIDAE

Diclybothrium arnatum Leuckart, 1835 (FW)

Site: gills

Hosts: *Acipenser brevirostrum* (1)

Acipenser fulvescens (2,3,4,5,6)

Dist.: Sask, Man, Ont, NB-b

Records: 1. Appy and Dadswell 1978 (NB-b); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Lawrie 1988 (Ont); 5. Choudhury et al. 1990 (Man, Sask); 6. Choudhury and Dick 1993 (Sask, Man)

Family HEXABOTHRIIDAE

Rajonchocotyle emarginata (Olsson, 1876) Sproston, 1946 (M)

Site: gills

Host: *Raja radiata*

Dist.: Atl

Record: Redkozubova 1976

Squalonchocotyle abbreviata (Olsson, 1876) Cerfontaine, 1899 (M)

Site: gills

Host: *Squalus acanthias*

Dist.: Pac

Record: Beverley-Burton et al. 1986

ORDER MAZOCRAEIDA
SUBORDER DISCOCOTYLINA
Family DISCOCOTYLIDAE

Discocotyle sagittata (Leuckart, 1842) Diesing, 1850 (FW)

Site: gills

Hosts: *Coregonus artedii* (3,4,5,7,11)

Coregonus clupeaformis (2,3,4,5,7,8,10,11)

Coregonus hoyi (3,10,11)

Oncorhynchus kisutch (7)

Prosopium cylindraceum (11)

Salmo salar (1,2,6,9,12)

Salvelinus fontinalis (2,9,12)

Salvelinus fontinalis × *Salvelinus namaycush* (3,10)

Salvelinus namaycush (11)

Dist.: Alta, Man, Ont, NB, Nfld, Lab

Records: 1. Hare 1975 (NB); 2. Chinniah and Threlfall 1978 (Lab); 3. Dechtiar and Berst 1978 (Ont); 4. Watson, cited in Lubinsky and Loch 1979 (Man); 5. Watson and Dick 1979 (Man); 6. Pippy 1980 (NB, Nfld, Lab); 7. Leong and Holmes 1981 (Alta); 8. McAllister and Mudry 1983 (Alta); 9. Cone and Ryan 1984 (Nfld); 10. Dechtiar et al. 1988 (Ont); 11. Dechtiar and Lawrie 1988 (Ont); 12. Marcogliese and Cone 1991 (Nfld)

Neodiscocotyle carpioditis Dechtiar, 1967 (FW)

Site: [gills]

Host: *Carpiodes cyprinus*

Dist.: Ont

Record: Dechtiar and Nepszy 1988

Unidentified Discocotylidae

Discocotylidae gen.sp. (M)

Site: gills

Host: *Microstomus pacificus*

Dist.: Pac

Record: Kabata and Whitaker 1984

Family OCTOMACRIDAE

Octomacrum lanceatum Mueller, 1934 (FW)

Site: gills

Hosts: *Catostomus catostomus* (2,3,4,8,9,10)

Catostomus commersoni (7,8,9,10)

Catostomus macrocheilus (1,2,3,5)

Mylocheilus caurinus (3)

Oncorhynchus tshawytscha (1,5)

Pinephales promelas (6)

Dist.: BC, Ont

Records: 1. Anonymous 1978 (BC), 2. 1981 (BC); 3. 1984 (BC); 4. Shepard and Mace 1980 (BC); 5. Arai and Mudry 1983 (BC); 6. Beverley-Burton 1984 (Ont); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Dechtiar and Nepszy 1988 (Ont)

Octomacrum microconfibula Hargis, 1952 (FW)

Site: gills

Hosts: *Luxilis cornutus* (5,6,7,8)

Margariscus margarita (2)

Mylocheilus caurinus (1,3,4)

Notemigonus crysoleucas (2,8)

Phoxinus eos (2)

Richardsonius balteatus (3)

Semotilus atromaculatus (8)

Dist.: BC, Ont, NB

Records: 1. Anonymous 1978 (BC); 2. Cone 1980 (NB); 3. Shepard and Mace 1980 (BC); 4. Arai and Mudry 1983 (BC); 5. Dechtiar and Christie 1988 (Ont); 6. Dechtiar et al. 1988 (Ont); 7. Dechtiar and Lawrie 1988 (Ont); 8. Dechtiar et al. 1989 (Ont)

Octomacrum semotili Dechtiar, 1966 (FW)

Site: gills

Hosts: *Couesius plumbeus* (1,2,3)

Notropis hudsonius (2)

Phoxinus eos (3)

Phoxinus neogaeus (1,3)

Pimephales promelas (3)

Semotilus atromaculatus (1,3)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar et al. 1989

SUBORDER GASTROCOTYLINEA
Family ANTHOCOTYLIDAE

Anthocotyle merluccii van Beneden and Hesse, 1863 (M)

Site: gills

Hosts: *Merluccius bilinearis* (3)

Merluccius productus (1,2)

Dist.: Pac, Atl

Records: 1. Sankurathri et al. 1983 (Pac); 2. Beverley-Burton et al. 1986 (Pac); 3. Morrison et al. 1986 (Atl)

SUBORDER MAZOCRAEOIDEA
Family MAZOCRAEIDAE

Kuhnia scombri (Kuhn, 1829) Sproston, 1945 (M)

Site: gills

Hosts: *Scomber japonicus* (1)

Scomber scombrus (2)

Dist.: Atl

Records: 1. Komasa and Lisinska 1986; 2. MacLean and Davies 1990

Remarks: Komasa and Lisinska (1986) reported that the host was caught on Georges Bank. Since this locality lies in both Canadian and U.S. waters, this record is reported herein although it was not evident from the report on which side of the bank the host was collected.

Mazocraeoides georgei Price, 1936 (FW)

Syn.: *Mazocraeoides olentangiensis* Sroufe, 1959

Site: gills

Hosts: *Alosa aestivalis* (1)

Alosa pseudoharengus (1)

Alosa sapidissima (4)

Dorosoma cepedianum (2,3)

Dist.: Ont, NB, NS, Atl

Records: 1. Landry et al. 1986 (NB); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Hogans et al. 1993 (Atl, NS)

Remarks: The synonymy is according to Kohn and Portes Santos (1988).

Mazocraeoides sp. (M)

Site: [gills]

Hosts: *Alosa aestivalis*

Alosa pseudoharengus

Dist.: Atl

Record: Landry et al. 1992

Pseudomazocraeoides ontariensis Hanek and Fernando, 1971 (FW)

Site: gills

Host: *Dorosoma cepedianum*

Dist.: Ont

Record: Dechtiar and Christie 1988

Remarks: Mamaev (1982) and Mamaev (1984) suggested that *Pseudomazocraeoides ontariensis* does not belong to the genus *Pseudomazocraeoides* Price, 1961 but that it was more similar (based on clamp morphology) to members of the genus *Mazocraeoides* Price, 1936.

SUBORDER MICROCOTYLINEA
Superfamily DICLIDOPHOROIDEA
Family DICLIDOPHORIDAE

Cyclocotylloides pinguis (Linton, 1940) Price, 1943 (M)

Site: gills

Host: *Macrourus berglax*

Dist.: Atl

Record: Zubchenko 1981

Diclidophora caudata Mamaev and Zubchenko, 1984 (M)

Site: gills

Host: *Trachyrhynchus murrayi*

Dist.: Atl

Record: Mamaev and Zubchenko 1984

Remarks: Mamaev and Zubchenko (1984) reported that the host was caught on Georges Bank. Because the locality lies in both Canadian and U.S.A. waters, this record is reported herein, although it was not evident from the report on which side of the bank the host was collected.

Diclidophora denticulata (Olsson, 1876) Price, 1943 (M)

Site: gills

Host: *Pollachius virens*

Dist.: Atl

Record: Beverley-Burton 1984

Diclidophora macruri (Brinkmann, 1942) Sproston, 1946 (M)

Site: gills
Host: *Coryphaenoides rupestris* (1,2)
Dist.: Atl, E Arc
Records: 1. Szuks 1980 (Atl); 2. Zubchenko 1981 (Atl, E Arc)

Diclidophora nezumiae Munroe, Campbell, and Zwerner, 1981 (M)

Site: [gills]
Host: *Nezumia bairdi*
Dist.: Atl
Record: Rubec 1991c

Diclidophora sp. (M)

Site: gills
Host: *Macrourus berglax*
Dist.: Atl
Record: Redkozubova, 1976

Diclidophoroides maccallumi Price, 1943 (M)

Syn.: *Diclidophora maccallumi* (Price, 1943) Sproston, 1946
Site: gills
Host: *Urophycis chesteri*
Dist.: Atl
Record: Rubec 1991a
Remarks: The synonymy is according to Mamaev (1976). Margolis and Arthur (1979) listed previous Canadian records as *Diclidophora maccallumi*.

Macruricotyle newfoundlandiae Campbell, Correia, and Haedrich, 1982 (M)

Site: gills
Host: *Macrourus berglax*
Dist.: Atl
Record: Campbell et al. 1982

Mamaevodiclidophora pugetensis (Robinson, 1961) Rubec, 1991 (M)

Syns.: *Neodiclidophora pugetensis* (Robinson, 1961) Mamaev, 1987
Diclidophora pugetensis Robinson, 1961
Neoheterobothrium pugetensis (Robinson, 1961) Yamaguti, 1963
Site: gills
Host: *Atheresthes stomias*
Dist.: Pac
Records: Kabata and Whitaker 1984; Beverley-Burton et al. 1986; Rubec 1991b
Remarks: The synonymy is according to Rubec (1991b).

Paracyclocotyle cherbonnieri Dollfus, 1970 (M)

Site: [gills]
Host: *Alepocephalus bairdi*

Dist.: Atl
Record: Zubchenko 1984

Superfamily MICROCOTYLOIDEA Family HETERAXINIDAE

Lintaxine cokeri (Linton, 1946) Sproston, 1946 (FW)

Site: gills
Host: *Aplodinotus grunniens*
Dist.: Ont
Records: Dechtiar and Christie 1988; Dechtiar and Nepszy 1988

Family MICROCOTYLIDAE

Microcotyle eriensis Bangham and Hunter, 1936 (FW)

Site: gills
Host: *Aplodinotus grunniens*
Dist.: Ont
Record: Dechtiar and Nepszy 1988

Microcotyle sebastis Goto, 1884 (M)

Site: gills
Hosts: *Sebastes caurinus* (1)
Sebastes flavidus (2,3)
Sebastes maliger (1)
Dist.: Pac
Records: 1. Beverley-Burton et al. 1986; 2. Lee et al. 1990; 3. Stanley et al. 1992

Microcotyle spinicirrus MacCallum, 1918 (FW)

Site: gills
Host: *Aplodinotus grunniens*
Dist.: Ont
Records: Anthony 1982; Dechtiar and Christie 1988; Dechtiar and Nepszy 1988

Microcotyle sp. (M)

Site: [gills]
Host: *Sebastes norvegicus*
Dist.: Atl
Record: Bourgeois and Ni 1984

Pauciconfibula subsolana Chisholm, Beverley-Burton, and McAlpine, 1991 (FW)

Site: inner surface of operculum
Host: *Morone americana*
Dist.: NB
Record: Chisholm et al. 1991

Prosomicrocotyla chiri (Goto, 1894) Yamaguti, 1958 (M)

Site: gills
Host: *Hexagrammos decagrammus*
Dist.: Pac
Record: Beverley-Burton et al. 1986

Unidentified Monogenea

- Monogenea gen.spp. (FW)
 Site: gills
 Hosts: *Catostomus catostomus* (1,2)
 Oncorhynchus mykiss (3)
 Perca flavescens (3)
 Dist.: BC, Alta
 Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3.
 McAllister and Mudry 1983 (Alta)
 Remarks: The record of Monogenea from *Catostomus*
catostomus reported in Anonymous (1981, 1984) was
 found in the parasite-host list only.

CLASS CESTODA SUBCLASS GYROCOTYLIDEA Family GYROCOTYLIDAE

- Gyrocotyle abyssicola* Land and Templeman, 1968 (M)
 Site: spiral valve intestine
 Host: *Rhinochimaera atlantica*
 Dist.: Atl
 Record: Hogans and Hurlbut 1984
- Gyrocotyle fimbriata* Watson, 1911 (M)
 Site: spiral valve intestine
 Host: *Hydrolagus colliei*
 Dist.: Pac
 Record: Berland et al. 1990
- Gyrocotyle major* Land and Templeman, 1968 (M)
 Site: spiral valve intestine
 Host: *Rhinochimaera atlantica*
 Dist.: Atl
 Record: Hogans and Hurlbut 1984
- Gyrocotyle parvispinosa* Lynch, 1945 (M)
 Site: spiral valve intestine
 Host: *Hydrolagus colliei*
 Dist.: Pac
 Record: Berland et al. 1990

SUBCLASS CESTOIDEA SUPERORDER AMPHILINIDEA Family AMPHILINIDAE

- Amphilina bipunctata* Riser, 1948 (FW)
 Site: body cavity
 Host: *Acipenser transmontanus*
 Dist.: BC
 Record: Margolis and McDonald 1986

SUPERORDER EUCESTODA ORDER CARYOPHYLLIDEA Family CAPIINGENTIDAE

- Edlintonia ptychocheila* Mackiewicz, 1970 (FW)
 Site: intestine
 Host: *Mylocheilus caurinus*
 Dist.: BC
 Record: Anonymous 1984
- Spartoides wardi* Hunter, 1929 (FW)
 Site: intestine
 Hosts: *Carpiodes cyprinus* (1,2)
 Notropis hudsonius (1)
 Dist.: Man, Ont
 Records: 1. Stewart-Hay, cited in Lubinsky and Loch
 1979 (Man); 2. Dechtiar and Nepszy 1988 (Ont)

Family CARYOPHYLLAEIDAE

- Biacetabulum* sp. (FW)
 Site: intestine
 Hosts: *Carpiodes cyprinus* (1)
 Catostomus commersoni (1,2)
 Dist.: Ont
 Records: 1. Dechtiar and Nepszy 1988; 2. Dechtiar et
 al. 1989
- Glaridacris catostomi* Cooper, 1920 (FW)
 Sites: intestine, stomach
 Hosts: *Catostomus catostomus* (1,2,3,7,8,9,12,13)
 Catostomus commersoni (2,3,4,5,9,10,11,12,14)
 Catostomus macrocheilus (7,8)
 Esox lucius (4,6)
 Moxostoma macrolepidotum (11)
 Salvelinus namaycush (1)
 Dist.: BC, Sask, Man, Ont, Que, NB
 Records: 1. Rawson 1959 (Sask); 2. Anonymous 1978
 (BC); 3. Gordon et al. 1978 (Que); 4. Stewart-Hay,
 Watson, both cited in Lubinsky and Loch 1979 (Man);
 5. Grey and Mackiewicz 1980 (NB); 6. Watson and
 Dick 1980 (Man); 7. Anonymous 1981 (BC); 8. 1984
 (BC); 9. Arai and Mudry 1983 (BC); 10. Courtney
 1987 (Ont); 11. Dechtiar and Christie 1988 (Ont); 12.
 Dechtiar et al. 1988 (Ont); 13. Dechtiar and Lawrie
 1988 (Ont); 14. Dechtiar and Nepszy 1988 (Ont)
 Remarks: Rawson (1959) noted that the occurrence of
Glaridacris catostomi in the stomach of *Salvelinus*
namaycush probably resulted from a sucker having
 been eaten by the lake trout.
- Glaridacris laruei* (Lamont, 1921) Hunter, 1927 (FW)
 Site: intestine
 Host: *Catostomus commersoni*
 Dist.: Que

- Record: Gordon et al. 1978
- Glaridacris vogeii* Mackiewicz, 1976 (FW)
 Site: intestine
 Host: *Catostomus macrocheilus*
 Dist.: BC
 Records: Anonymous 1978; Arai and Mudry 1983
- Glaridacris* spp. (FW)
 Site: intestine
 Hosts: *Catostomus catostomus* (3)
Catostomus commersoni (2,3)
Catostomus macrocheilus (1,4)
Notropis hudsonius (5)
 Dist.: BC, Alta, Man, Ont
 Records: 1. Anonymous 1978 (BC); 2. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 3. Leong and Holmes 1981 (Alta); 4. Arai and Mudry 1983 (BC); 5. Dechtiar and Christie 1988 (Ont)
 Remarks: Anonymous (1978) reported this record as "*Glaridacris laurei-oligorchis* complex".
- Hunterella nodulosa* Mackiewicz and McCrae, 1962 (FW)
 Site: intestine
 Hosts: *Catostomus catostomus* (6)
Catostomus commersoni (1,2,3,4,5)
Catostomus macrocheilus (1,3)
 Dist.: BC, Alta, Ont
 Records: 1. Anonymous 1978 (BC); 2. Leong and Holmes 1981 (Alta); 3. Arai and Mudry 1983 (BC); 4. Dechtiar and Christie 1988 (Ont); 5. Li and Arai 1988 (Alta); 6. Dechtiar et al. 1989 (Ont)
- Isoglaridacris bulbocirrus* Mackiewicz, 1965 (FW)
 Site: [intestine]
 Host: *Catostomus commersoni*
 Dist.: Ont
 Record: Courtney 1987
- Monobothrium hunteri* Mackiewicz, 1963 (FW)
 Site: intestine
 Host: *Carpionodes cyprinus*
 Dist.: Man
 Record: Szalai and Dick 1987a
- Monobothrium* sp. (FW)
 Site: intestine
 Hosts: *Catostomus catostomus* (1,2)
Catostomus commersoni (1,2)
 Dist.: BC
 Records: 1. Anonymous 1978; 2. Arai and Mudry 1983
- Pliovitelaria wisconsinensis* Fischthal, 1951 (FW)
 Site: intestine
 Hosts: *Notemigonus crysoleucas* (1,2)
Phoxinus neogaeus (2)
Pinephales notatus (2)
Pinephales promelas (2)
- Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1989
- Rowardleus pennensis* Mackiewicz and Deutsch, 1976 (FW)
 Site: [intestine]
 Host: *Carpionodes cyprinus*
 Dist.: Man
 Record: Szalai and Dick 1987a

Unidentified Caryophyllidea

- Caryophyllaeidae gen.spp. (FW)
 Site: intestine
 Hosts: *Catostomus catostomus* (1,2)
Catostomus commersoni (3)
Catostomus macrocheilus (1,2)
 Dist.: BC, Alta
 Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. McAllister and Mudry 1983 (Alta)

ORDER CYCLOPHYLLIDEA Family DILEPIDIDAE

- Dilepis* sp. cysticeroid (FW)
 Site: encysted on mesenteries of viscera
 Host: *Lepomis gibbosus*
 Dist.: Ont
 Records: Dechtiar and Christie 1988; Dechtiar et al. 1989
- Paradilepis simoni* Rausch, 1949 cysticeroid (FW)
 Sites: encysted on liver and mesenteries of viscera
 Hosts: *Cottus asper* (1,2,3)
Oncorhynchus mykiss (1,2,3)
Oncorhynchus nerka (1,2,3)
Prosopium williamsoni (1,2,3)
Ptychocheilus oregonensis (1,2,3)
 Dist.: BC
 Records: 1. Anonymous 1981; 2. 1984; 3. Ching 1982
- Paradilepis* spp. cysticeroid (FW)
 Site: encysted on mesenteries of viscera
 Hosts: *Lepomis gibbosus*
Phoxinus neogaeus
 Dist.: Ont
 Record: Dechtiar et al. 1989

Unidentified Cyclophyllidea

- Dilepididae gen.sp. cysticeroid (FW)
 Site: encysted on liver

Host: *Oncorhynchus nerka* (1,2,3)
Dist.: BC, Pac
Records: 1. Bailey and Margolis 1987 (BC); 2. Bailey, Margolis, and Groot 1988 (Pac); 3. Groot et al. 1989 (Pac)

ORDER PROTEOCEPHALIDEA Family PROTEOCEPHALIDAE

Corallobothrium fimbriatum Essex, 1928 (FW)
Site: intestine
Hosts: *Ameiurus nebulosus* (1,2,3,4)
Ictalurus punctatus (5)
Noturus flavus (3)
Dist.: Ont, Que
Records: 1. Frechette et al. 1978 (Que); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Lawrie 1988 (Ont); 5. Dechtiar and Nepszy 1988 (Ont)

Corallotaenia minutia (Fritt, 1959) Befus and Freeman, 1973 (FW)
Site: intestine
Host: *Ameiurus nebulosus*
Dist.: Ont
Record: Dechtiar et al. 1988

Megathylacoides giganteum (Essex, 1928) Freze, 1963 (FW)
Syn.: *Corallobothrium giganteum* Essex, 1928
Site: intestine
Host: *Ictalurus punctatus*
Dist.: Ont
Records: Dechtiar and Christie 1988; Dechtiar and Nepszy 1988; Dechtiar et al. 1988
Remarks: The synonymy is according to Freze (1965).

Proteocephalus ambloplitis (Leidy, 1887) Benedict, 1900 plerocercoid (FW)
Sites: mesenteries, liver
Hosts: *Ambloplites rupestris* (1,2)
Fundulus diaphanus (1)
Ictalurus punctatus (3)
Lepisosteus osseus (1)
Lepomis gibbosus (1,2)
Lepomis macrochirus (1)
Luxilus cornutus (1,4)
Micropterus dolomieu (1,2,3)
Micropterus salmoides (1)
Morone americana (1)
Morone chrysops (2)
Perca flavescens (3)
Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Nepszy 1988; 4. Dechtiar et al. 1989

Proteocephalus ambloplitis (Leidy, 1887) Benedict, 1900 adult (FW)
Sites: intestine, viscera
Hosts: *Ambloplites rupestris* (2)
Micropterus dolomieu (1,2,3,4,5,6)
Micropterus salmoides (3,7)
Dist.: Sask, Ont
Records: 1. Fischer 1974 (Ont); 2. Mackie et al. 1983 (Ont); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar and Nepszy 1988 (Ont); 6. Dechtiar et al. 1989 (Ont); 7. Szalai and Dick 1990 (Sask)

Proteocephalus arcticus Cooper, 1921 (FW)
Site: digestive tract
Hosts: *Coregonus sardinella* (1)
Salvelinus alpinus (1)
Salvelinus namaycush (1,2)
Dist.: NWT
Records: 1. Stewart and Bernier 1982; 2. 1983

Proteocephalus coregoni Wardle, 1932 (FW)
Site: intestine
Hosts: *Coregonus artedii* (1)
Coregonus clupeaformis (2)
Coregonus sp. (2)
Dist.: Man, Ont
Records: 1. Anthony 1978 (Ont); 2. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man)

Proteocephalus exiguus LaRue, 1911 (FW)
Site: intestine
Hosts: *Coregonus artedii* (1,2,5,6,7,8,9)
Coregonus clupeaformis (1,2,3,4,6,8)
Coregonus hoyi (8)
Coregonus sardinella (5)
Dist.: Alta, Man, NWT, Ont
Records: 1. Watson, cited in Lubinsky and Loch 1979 (Man); 2. Watson and Dick 1979 (Man); 3. Leong and Holmes 1981 (Alta); 4. McAllister and Mudry 1983 (Alta); 5. Stewart and Bernier 1983 (NWT); 6. Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9. Dechtiar et al. 1989 (Ont)

Proteocephalus filicollis (Rudolphi, 1802) Weinland, 1928 (FW)
Site: intestine
Hosts: *Coregonus artedii* (1,2,3)
Pungitius pungitius (3)
Dist.: Alta, Man

- Records: 1. Watson, cited in Lubinsky and Loch 1979 (Man); 2. Watson and Dick 1979 (Man); 3. Leong and Holmes 1981 (Alta)
- Proteocephalus fluviatilis* Bangham, 1925 (FW)
 Site: intestine
 Hosts: *Micropterus dolomieu* (1,2,3,4)
Micropterus salmoides (2)
 Dist.: Ont
 Records: 1. Fischer (1974); 2. Dechtiar and Christie 1988; 3. Dechtiar et al. 1988; 4. Dechtiar and Nepszy 1988
- Proteocephalus laruei* Faust, 1920 (FW)
 Site: intestine
 Hosts: *Coregonus artedii* (1,2,3,4,5)
Coregonus clupeaformis (4,5)
Coregonus hoyi (5)
 Dist.: Man, Ont
 Records: 1. Anthony 1978 (Ont); 2. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar and Lawrie 1988 (Ont)
- Proteocephalus longicollis* (Zeder, 1800) Nufer, 1905 (FW)
 Site: intestine
 Host: *Salvelinus alpinus* (1,2,3,4,5,6)
 Dist.: NWT, Lab
 Records: 1. Beverley-Burton 1978 (NWT); 2. Curtis 1979 (NWT); 3. Dick and Belosevic 1981 (NWT); 4. Curtis 1982 (NWT); 5. Dick 1984 (NWT); 6. Bouillon and Dempson 1989 (Lab)
- Proteocephalus luciopercae* Wardle, 1932 (FW)
 Site: intestine
 Hosts: *Stizostedion vitreum vitreum* (1,2,3,4)
Stizostedion sp. (3)
 Dist.: Sask, Man, Ont
 Records: 1. Rawson 1957a (Sask); 2. Anthony 1978b (Ont); 3. Stewart-Hay, Dickson, Little, all cited in Lubinsky and Loch 1979 (Man); 4. Poole and Dick 1985 (Man)
- Proteocephalus macrocephalus* (Creplin, 1825) Nufer, 1905 (FW)
 Site: intestine
 Host: *Anguilla rostrata* (1,2)
 Dist.: Ont, NS
 Records: 1. Dechtiar and Christie 1988 (Ont); 2. Cone et al. 1993 (NS)
- Proteocephalus neglectus* La Rue, 1911 (FW)
 Syn.: *Proteocephalus tumidocollus* Wagner, 1953
 Sites: intestine, pyloric caeca
 Hosts: *Coregonus clupeaformis* (2)
Oncorhynchus mykiss (1,4)
Salvelinus alpinus (5)
- Salvelinus fontinalis* (2,3)
Salvelinus namaycush (2)
 Dist.: BC, Que, Lab
 Records: 1. Anonymous 1978 (BC); 2. Chinniah and Threlfall 1978 (Lab); 3. Thompson and Threlfall 1978 (Que); 4. Arai and Mudry 1983 (BC); 5. Bouillon and Dempson 1989 (Lab)
 Remarks: The synonymy is according to Hanzelová and Scholz (1993). The material reported by Thompson and Threlfall (1978) involved a tentative identification of immature forms as "... probably *Proteocephalus tumidocollus* ..."
- Proteocephalus parallacticus* MacLulich, 1943 (FW)
 Site: intestine
 Host: *Salvelinus namaycush*
 Dist.: Ont
 Record: Dechtiar and Lawrie 1988
- Proteocephalus pearsei* LaRue, 1919 (FW)
 Site: intestine
 Hosts: *Ambloplites rupestris* (5)
Aplodinotus grunniens (6,10)
Coregonus artedii (2)
Cottus bairdi (8)
Cottus ricei (8)
Lepomis gibbosus (5)
Lepomis macrochirus (5)
Lota lota (6)
Micropterus dolomieu (1,5)
Micropterus salmoides (5)
Morone chrysops (4,6,10)
Perca flavescens (1,3,6,7,9,10,11)
Percina caprodes (8)
Pomoxis nigromaculatus (5)
Stizostedion vitreum vitreum (3)
 Dist.: Man, Ont
 Records: 1. Fischer 1974 (Ont); 2. Anthony 1978a (Ont); 3. 1978b (Ont); 4. 1984 (Ont); 5. 1985 (Ont); 6. 1987 (Ont); 7. Poole and Dick 1985 (Man); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Dechtiar and Nepszy 1988 (Ont); 11. Szalai and Dick 1991a (Man)
- Proteocephalus perplexus* LaRue, 1911 (FW)
 Site: intestine
 Hosts: *Amia calva* (2,3,4)
Morone chrysops (1)
 Dist.: Ont, NB
 Records: 1. Anthony 1984 (Ont); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Jarecka et al. 1990 (NB)
- Proteocephalus pinguis* LaRue, 1911 (FW)
 Sites: intestine, pyloric caeca
 Hosts: *Esox lucius* (2,3,4,5,6,7,8,9,10,11,12,13,14)
Esox masquinongy (7,11)
Perca flavescens (1)

Stizostedion vitreum vitreum (1)

Dist.: Alta, Man, Ont, Que, Lab

Records: 1. Anthony 1978b (Ont); 2. Chinniah and Threlfall 1978 (Lab); 3. Thompson and Threlfall 1978 (Que); 4. Stewart-Hay, Little, Watson, all cited in Lubinsky and Loch 1979 (Man); 5. Watson and Dick 1980 (Man); 6. Leong and Holmes 1981 (Alta); 7. Anthony 1983 (Ont); 8. Shostak and Dick 1986 (Man); 9. 1987a (Man); 10. 1989a (Man); 11. Dechtiar and Christie 1988 (Ont); 12. Dechtiar et al. 1988 (Ont); 13. Dechtiar and Lawrie 1988 (Ont); 14. Dechtiar and Nepszy 1988 (Ont)

Proteocephalus pychocheilus Faust, 1920 (FW)

Site: intestine

Host: *Ptychocheilus oregonensis*

Dist.: BC

Records: Anonymous 1978; 1981; 1984; Arai and Mudry 1983

Proteocephalus pugetensis Hoff and Hoff, 1929 (FW)

Site: intestine

Hosts: *Culaea inconstans*

Gasterosteus aculeatus

Dist.: Ont

Record: Dechtiar and Christie 1988

Proteocephalus pusillus Ward, 1910 (FW)

Site: intestine

Host: *Coregonus artedii*

Dist.: Man

Record: Little, cited in Lubinsky and Loch 1979

Proteocephalus salmonidicola Alexander, 1951 (FW)

Sites: intestine, pyloric caeca

Hosts: *Coregonus clupeaformis* (3)

Oncorhynchus mykiss (2,3)

Oncorhynchus nerka (2,3)

Salvelinus malma (1,2,3,4)

Dist.: BC

Records: 1. Anonymous 1978; 2. 1981; 3. 1984; 4. Arai and Mudry 1983

Proteocephalus singularis LaRue, 1911 (FW)

Site: intestine

Host: *Coregonus clupeaformis* (1,2)

Dist.: Alta, Man

Records: 1. Little, cited in Lubinsky and Loch 1979 (Man); 2. Little, cited in McAllister and Mudry 1983 (Alta)

Proteocephalus stizostethi Hunter and Bangham 1933

(FW)

Site: intestine

Hosts: *Esox lucius* (2)

Esox masquinongy (2)

Stizostedion vitreum vitreum (1,3,4)

Dist.: Ont

Records: 1. Anthony 1978b; 2. 1983; 3. Dechtiar et al. 1988; 4. Dechtiar and Nepszy 1988

Proteocephalus spp.

(FW)

Sites: intestine, pyloric caeca

Hosts: *Ambloplites rupestris* (22)

Aplodinotus grunniens (12)

Catostomus catostomus (31)

Coregonus artedii (4,7,10)

Coregonus autumnalis (17)

Coregonus clupeaformis (1,3,4,7,10,15,16)

Coregonus hoyi (4)

Coregonus sardinella (14,21)

Cottus asper (1,8,15,18)

Couesius plumbeus (30)

Culaea inconstans (34)

Esox lucius (6,7,10,16)

Lepomis gibbosus (22)

Lepomis macrochirus (22)

Lota lota (8,16,25)

Micropterus dolomieu (22,31)

Micropterus salmoides (22)

Mylocheilus caurinus (1,15)

Notropis heterolepis (30)

Noturus flavus (29)

Oncorhynchus gorbuscha (24)

Oncorhynchus keta (23)

Oncorhynchus kisutch (10)

Oncorhynchus nerka (1,11,15,26,33,35)

Oncorhynchus tshawytscha (8,18)

Osmerus mordax (4,30,32)

Perca flavescens (2,4,7,16)

Pimephales notatus (30)

Pomoxis nigromaculatus (22)

Prosopium williamsoni (1,15)

Pungitius pungitius (13)

Salmo salar (3)

Salvelinus alpinus (5,13,17,19,20,21)

Salvelinus fontinalis (3,9,27,28,31)

Salvelinus fontinalis × *Salvelinus namaycush*
(4,30)

Salvelinus malma (1,15)

Salvelinus namaycush (15,16,17,21)

Stizostedion vitreum vitreum (2,10,16)

Umbra limi (29)

Dist.: BC, Alta, Man, NWT, Ont, Que, NB, Lab

Records: 1. Anonymous 1978 (BC); 2. Anthony 1978b (Ont); 3. Chinniah and Threlfall 1978 (Lab); 4. Dechtiar and Berst 1978 (Ont); 5. Dick and Belosevic 1978 (NWT); 6. Gordon et al. 1978 (Que); 7. McLeod, Stewart-Hay, both cited in Lubinsky and Loch 1979 (Man); 8. Anonymous 1981 (BC); 9. Black 1981 (Que); 10. Leong and Holmes 1981 (Alta); 11. Simpson et al. 1981 (BC); 12. Anthony 1982 (Ont); 13. Curtis 1982 (NWT); 14. Stewart and Bernier 1982 (NWT); 15. Arai and Mudry 1983 (BC); 16. McAllister and Mudry 1983 (Alta); 17. Stewart and Bernier 1983 (NWT); 18. Anonymous 1984 (BC); 19.

Curtis 1984 (NWT, Que); 20. Curtis and Stenzel 1984 (Que); 21. Stewart and Bernier 1984 (NWT); 22. Anthony 1985 (Ont); 23. Whitaker 1985 (BC); 24. Anthony 1986 (Ont); 25. Anthony 1987 (Ont); 26. Bailey and Margolis 1987 (BC); 27. Frimeth 1987a (NB); 28. 1987b (NB); 29. Dechtiar and Christie 1988 (Ont); 30. Dechtiar et al. 1988 (Ont); 31. Dechtiar and Lawrie 1988 (Ont); 32. Dechtiar and Nepszy 1988 (Ont); 33. Bailey, Margolis, and Workman 1989 (BC); 34. Dechtiar et al. 1989 (Ont); 35. Garnick and Margolis 1990 (BC)

Unidentified Proteocephalidea

Proteocephalidae gen. spp. (FW)
 Site: [intestine]
 Hosts: *Acipenser fulvescens* (2)
Lota lota (1)
 Dist.: Alta
 Records: 1. McAllister and Mudry 1983 (Alta); 2. Choudhury and Dick 1993 (Man)

ORDER PSEUDOPHYLLIDEA SUBORDER BOTHRIOCEPHALATA Superfamily AMPHICOTYLOIDEA Family AMPHICOTYLIDAE

Abothrium gadi van Beneden, 1871 (M)
 Sites: intestine, pyloric caeca
 Hosts: *Gadus morhua* (2,6)
Melanogrammus aeglefinus (1,6)
Theragra chalcogramma (3,4,5)
 Dist.: Pac, Atl
 Records: 1. Scott 1981 (Atl); 2. Appy and Burt 1982 (Atl); 3. Arthur 1983 (Pac); 4. 1984 (Pac); 5. Kabata and Whitaker 1984 (Pac); 6. Morrison et al. 1986 (Atl)

Abothrium sp. (M)
 Sites: [pyloric caeca, intestine]
 Host: *Sebastes norvegicus*
 Dist.: Atl
 Record: Bourgeois and Ni 1984

Eubothrium crassum (Bloch, 1779) Nybelin, 1922 (FW,M)
 Sites: pyloric caeca, intestine
 Hosts: *Lota lota* (4)
Oncorhynchus gorbuscha (2)
Oncorhynchus kisutch (3)
Oncorhynchus tshawytscha (3)
Salmo salar (1)
Salvelinus alpinus (7)
Salvelinus fontinalis (5,6)
 Dist.: Pac, Ont, NB, NB-b, Nfld, Lab, Atl

Records: 1. Pippy 1980 (Atl); 2. Margolis 1982 (Nfld); 3. Andersen and Kennedy 1983 (Pac); 4. Anthony 1987 (Ont); 5. Frimeth 1987a (NB); 6. 1987b (NB, NB-b); 7. Bouillon and Dempson 1989 (Lab)

Eubothrium parvum Nybelin, 1922 (M)
 Site: intestine
 Host: *Mallotus villosus*
 Dist.: Atl
 Records: Pálsson and Beverley-Burton 1984; Pálsson 1986

Eubothrium rugosum (Batsch, 1786) Nybelin, 1922 (FW)
 Sites: pyloric caeca, intestine
 Host: *Lota lota* (1,2,3,4,5,6,7,8)
 Dist.: BC, Alta, Man, Ont
 Records: 1. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 2. Anonymous 1981 (BC); 3. 1984 (BC); 4. Leong and Holmes 1981 (Alta); 5. Andersen and Kennedy 1983 (BC); 6. McAllister and Mudry 1983 (Alta); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont)

Eubothrium salvelini (Schrank, 1790) Nybelin, 1922 (FW)
 Sites: pyloric caeca, intestine
 Hosts: *Coregonus artedii* (5)
Oncorhynchus gorbuscha (13,25)
Oncorhynchus keta (13,22,25)
Oncorhynchus kisutch (13,16,22,25)
Oncorhynchus mykiss (2,13,21,25)
Oncorhynchus nerka (2,8,11,13,17,18,21, 22,23,25,42)
Oncorhynchus tshawytscha (2,11,13,22,25)
Prosopium cylindraceum (37)
Prosopium williamsoni (2,21)
Salmo salar (4,12,44)
Salvelinus alpinus (3,6,9,15,19,20,24,27, 28,29,30,39)
Salvelinus fontinalis (4,7,14,26,31,32,33, 34,37,38,41,43,44,45)
Salvelinus fontinalis × *Salvelinus namaycush* (5,35,40)
Salvelinus malma (2,13,21,22,25)
Salvelinus namaycush (1,2,4,7,10,16,20,21, 24,25,30,35,37)
 Dist.: BC, Alta, Sask, Man, NWT, Ont, Que, NB, NB-b, Nfld, Lab

Records: 1. Rawson 1959 (Sask); 2. Anonymous 1978 (BC); 3. Beverley-Burton 1978 (NWT); 4. Chinniah and Threlfall 1978 (Lab); 5. Dechtiar and Berst 1978 (Ont); 6. Dick and Belosevic 1978 (NWT); 7. Gordon et al. 1978 (Que); 8. Boyce 1979 (BC); 9. Curtis 1979 (NWT); 10. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 11. Boyce and Clarke 1980 (BC); 12. Pippy 1980 (NB, Nfld); 13. Anonymous 1981 (BC); 14. Black 1981 (Que); 15. Dick and Belosevic 1981 (NWT); 16. Leong and Holmes 1981 (Alta); 17. Simpson et al. 1981 (BC); 18. Boyce 1982 (BC); 19.

Curtis 1982 (NWT, Que); 20. Stewart and Bernier 1982 (NWT); 21. Arai and Mudry 1983 (BC); 22. Andersen and Kennedy 1983 (BC); 23. Boyce and Clarke 1983 (BC); 24. Stewart and Bernier 1983 (NWT); 25. Anonymous 1984 (BC); 26. Cone and Ryan 1984 (Nfld); 27. Curtis 1984 (NWT, Que); 28. Curtis and Stenzel 1984 (Que); 29. Dick 1984 (NWT); 30. Stewart and Bernier 1984 (NWT); 31. Frimeth 1987a (NB); 32. 1987b (NB, NB-b); 33. Albert and Curtis 1988 (Que); 34. Curtis 1988 (Que); 35. Dechtiar and Christie 1988 (Ont); 36. Dechtiar et al. 1988 (Ont); 37. Dechtiar and Lawrie 1988 (Ont); 38. Baggs and McT. Cowan 1989 (Nfld); 39. Bouillon and Dempson 1989 (Lab); 40. Dechtiar et al. 1989 (Ont); 41. Wright et al. 1989 (Que); 42. Garnick and Margolis 1990 (BC); 43. Albert and Curtis 1991 (Que); 44. Marcogliese and Cone 1991 (Nfld); 45. Poulin et al. 1992 (Que)

Eubothrium tulipai Ching and Andersen, 1983 (FW)
 Site: intestine
 Host: *Ptychocheilus oregonensis*
 Dist.: BC
 Records: Ching and Andersen 1983; Anonymous 1984

Eubothrium spp. (FW)
 Sites: pyloric caeca, intestine
 Hosts: *Esox lucius* (6)
Oncorhynchus mykiss (6)
Oncorhynchus nerka (9,10)
Osmerus mordax (5)
Ptychocheilus oregonensis (3)
Pungitius pungitius (4)
Salmo salar (7)
Salvelinus alpinus (1)
Sebastes sp. (8)
Stizostedion vitreum vitreum (2)
 Dist.: BC, Alta, Man, NWT, NB, Nfld, Atl
 Records: 1. Beverley-Burton 1978 (NWT); 2. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 3. Anonymous 1981 (BC); 4. Leong and Holmes 1981 (Alta); 5. Threlfall 1981 (Nfld); 6. McAllister and Mudry 1983 (Alta); 7. Bennett and Wolke 1986 (NB); 8. Morrison et al. 1986 (Atl); 9. Bailey and Margolis 1987 (BC); 10. Bailey, Margolis, and Workman 1989 (BC)

Family PTYCHOBOTHRIIDAE

Clestopothrium crassiceps (Rudolphi, 1819) Lühe, 1899 (M)
 Sites: pyloric caeca, intestine
 Hosts: *Merluccius albidus* (3)
Merluccius bilinearis (2,3)
Merluccius productus (1)
Urophycis musicki (3)

Dist.: Pac, Atl
 Records: 1. Sankurathri et al. 1983 (Pac); 2. Morrison et al. 1986 (Atl); 3. Scott 1987 (Atl)

Superfamily BOTHRIOCEPHALOIDEA Family ANCISTROCEPHALIDAE

Fistulicola plicatus (Rudolphi, 1819) Lühe, 1899 (M)
 Sites: pyloric caeca, intestine
 Host: *Xiphias gladius*
 Dist.: Atl
 Records: Hogans et al. 1983; Hogans and Hurley 1986

Family BOTHRIOCEPHALIDAE

Bothriocephalus claviceps (Goeze, 1782) Rudolphi, 1810 (FW)
 Site: intestine
 Hosts: *Ambloplites rupestris* (2,3)
Anguilla rostrata (1,4)
 Dist.: Ont, NS
 Records: 1. Dechtiar and Christie 1988 (Ont); 2. Dechtiar et al. 1988 (Ont); 3. Dechtiar and Nepszy 1988 (Ont); 4. Cone et al. 1993 (NS)

Bothriocephalus cuspidatus Cooper, 1917 (FW)
 Sites: pyloric caeca, intestine
 Hosts: *Esox lucius* (3,5)
Esox masquinongy (5)
Hiodon alosoides (1,6)
Morone chrysops (8,11)
Perca flavescens (2,7,8,12)
Salvelinus namaycush (3,6)
Stizostedion vitreum vitreum (2,3,4,6,7,8,9,10,11)
 Dist.: Alta, Sask, Man, Ont
 Records: 1. Reed 1962 (Sask); 2. Anthony 1978b (Ont); 3. McLeod, Stewart-Hay, Little, Dickson, all cited in Lubinsky and Loch 1979 (Man); 4. Leong and Holmes 1981 (Alta); 5. Anthony 1983 (Ont); 6. Ryder, Samuel, Donald and Kooyman, Little, all cited in McAllister and Mudry 1983 (Alta); 7. Poole and Dick 1985 (Man); 8. Dechtiar and Christie 1988 (Ont); 9. Dechtiar et al. 1988 (Ont); 10. Dechtiar and Lawrie 1988 (Ont); 11. Dechtiar and Nepszy 1988 (Ont); 12. Szalai and Dick 1991a (Man)

Bothriocephalus formosus Mueller and Van Cleave, 1932 (FW)
 Site: intestine
 Hosts: *Etheostoma nigrum*
Percopsis omiscomaycus
 Dist.: Ont
 Record: Dechtiar et al. 1988

Bothriocephalus opsariichthydis Yamaguti, 1934 (FW)

Syn.: *Bothriocephalus gowkongensis* Yeh, 1955 in Anonymous, 1978

Site: intestine

Hosts: *Mylocheilus caurinus* (1,2)

Ptychocheilus oregonensis (1,2)

Dist.: BC

Records: 1. Anonymous 1978; 2. Arai and Mudry 1983

Bothriocephalus scorpii (O. F. Müller, 1776) Rudolphi, 1808 (M)

Sites: intestine, pyloric caeca

Hosts: *Hippoglossus hippoglossus* (8)

Melanogrammus aeglefinus (1)

Pleuronectes vetulus (3)

Pollachius virens (4)

Reinhardtius hippoglossoides (8)

Sebastes fasciatus (2,7)

Sebastes mentella (2)

Sebastes norvegicus (2)

Urophycis chesteri (6)

Urophycis musicki (6)

Pleuronectidae gen.sp. (5)

Dist.: Pac, Atl

Records: 1. Scott 1981 (Atl); 2. Bourgeois and Ni 1984 (Atl); 3. Kabata and Whitaker 1984 (Pac); 4. Scott 1985 (Atl); 5. Morrison et al. 1986 (Atl); 6. Scott 1987 (Atl); 7. 1988 (Atl); 8. Scott and Bray 1989 (Atl)

Bothriocephalus spp. (FW,M)

Site: intestine

Hosts: *Aplodinotus grunniens* (5,12)

Coryphaenoides rupestris (1)

Esox lucius (2)

Ictalurus punctatus (12)

Lepomis gibbosus (6)

Lota lota (11)

Morone chrysops (8)

Myoxocephalus thompsoni (3)

Oncorhynchus gorbuscha (10)

Perca flavescens (2)

Reinhardtius hippoglossoides (4)

Sebastes nebulosus (13)

Stizostedion vitreum vitreum (7)

Theragra chalcogramma (9)

Dist.: Pac, E Arc, Atl, Alta, Man, Ont

Records: 1. Zubchenko 1976 (Atl); 2. Stewart-Hay, Dickson, both cited in Lubinsky and Loch 1979 (Man); 3. Black and Lankester 1981 (Ont); 4. Reimer 1981 (E Arc); 5. Anthony 1982 (Ont); 6. Mackie et al. 1983 (Ont); 7. McAllister and Mudry 1983 (Alta); 8. Anthony 1984 (Ont); 9. Arthur 1984 (Pac); 10. Anthony 1986 (Ont); 11. 1987 (Ont); 12. Dechtiar and Nepszy 1988 (Ont); 13. Holmes 1990 (Pac)

Family PARABOTHRIOCEPHALIDAE

Parabothriocephalus macruri Campbell, Correia, and Haedrich, 1982 (M)

Sites: pyloric caeca, intestine

Host: *Macrourus berglax*

Dist.: Atl

Record: Campbell et al. 1982

Probothriocephalus muelleri Campbell, 1979 (M)

Site: [intestine]

Hosts: *Alepocephalus agassizi*

Alepocephalus bairdi

Dist.: Atl

Record: Zubchenko 1984

Family PHILOBYTHIIDAE

Philobythoides stunkardi Campbell, 1979 (M)

Site: [intestine]

Hosts: *Alepocephalus agassizi*

Alepocephalus bairdi

Dist.: Atl

Record: Zubchenko 1984

Philobythos atlanticus Campbell, 1977 (M)

Site: [intestine]

Hosts: *Coryphaenoides rupestris* (1,2)

Macrourus berglax (1)

Dist.: E Arc, Atl

Records: 1. Zubchenko 1981 (Atl, E Arc); 2. 1985b (E Arc, Atl)

Remarks: Zubchenko (1985b) misspelled the parasite name as *Phillobytos atlanticus*.

Family TRIAENOPHORIDAE

Triaenophorus crassus Forel, 1868 plerocercoid (FW)

Site: encapsulated in somatic musculature

Hosts: *Coregonus artedii* (1,2,5,6,8,14,19,20,21)

Coregonus clupeaformis (1,4,5,6,9,10,11,12,13,14,15,18,19,20,21)

Coregonus hoyi (19,20)

Coregonus sp. (5,13)

Oncorhynchus gorbuscha (20)

Oncorhynchus mykiss (16,17)

Prosopium cylindraceum (19)

Salvelinus namaycush (4,5,20)

Stizostedion vitreum vitreum (3)

"whitefish" (5,7)

Dist.: Alta, Sask, Man, Ont, Que, Lab

Records: 1. Rawson 1957b (Sask); 2. Anthony 1978a (Ont); 3. 1978b (Ont); 4. Chinniah and Threlfall 1978 (Lab); 5. Stewart-Hay, McTavish, Sunde, Dickson, Watson, all cited in Lubinsky and Loch 1979 (Man);

6. Watson and Dick 1979 (Man); 7. Kinnis and Curtis 1981 (Que); 8. Leong and Holmes 1981 (Alta); 9. Dick and Rosen 1982 (exper); 10. Rosen and Dick 1982a (exper); 11. 1982b (exper); 12. Bodaly et al. 1983 (Man); 13. McAllister and Mudry 1983 (Alta); 14. Rosen and Dick 1983 (exper); 15. Rosen and Dick 1984a (exper); 16. 1984b (exper); 17. 1984c (exper); 18. Dechtiar and Christie 1988 (Ont); 19. Dechtiar et al. 1988 (Ont); 20. Dechtiar and Lawrie 1988 (Ont); 21. Boily and Curtis 1992 (Que)

Trienophorus crassus Forel, 1868 adult (FW)

Sites: pyloric caeca, intestine

Hosts: *Esox lucius* (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20)

Esox masquinongy (8)

Dist.: Alta, Sask, Man, Ont, Que, Lab

Records: 1. Rawson 1957b (Sask); 2. Chinniah and Threlfall 1978 (Lab); 3. Thompson and Threlfall 1978 (Que); 4. Stewart-Hay, Watson, both cited in Lubinsky and Loch 1979 (Man); 5. Watson and Dick 1980 (Man); 6. Leong and Holmes 1981 (Alta); 7. Dick and Rosen 1982 (Man); 8. Anthony 1983 (Ont); 9. McAllister and Mudry 1983 (Alta); 10. Rosen and Dick 1983 (Man); 11. 1984b (Man); 12. Shostak et al. 1984 (Man); 13. Shostak and Dick 1986 (Man); 14. 1987a (Man); 15. 1987b (Man); 16. 1987c (Man); 17. 1989a (Man); 18. 1989b (Man); 19. Dechtiar et al. 1988 (Ont); 20. Dechtiar and Lawrie 1988 (Ont)

Trienophorus nodulosus (Pallas, 1760) Rudolphi, 1819 plerocercoid (FW)

Sites: encapsulated on liver, viscera

Hosts: *Acipenser fulvescens* (8)

Amia calva (9)

Carpionides cyprinus (11)

Catostomus catostomus (2,9)

Catostomus commersoni (8,9,11)

Coregonus clupeaformis (3)

Esox lucius (4)

Lepomis gibbosus (8)

Lepomis macrochirus (8)

Lota lota (3,5,6)

Micropterus dolomieu (8,11)

Morone americana (8)

Morone chrysops (8,9,11)

Moxostoma macrolepidotum (9)

Notropis hudsonius (8)

Oncorhynchus gorboscha (10)

Oncorhynchus kisutch (5)

Oncorhynchus nerka (9)

Perca flavescens (1,2,3,7,8,9,11,12)

Prosopium cylindraceum (9)

Pungitius pungitius (5)

Rhinichthys cataractae (10)

Salvelinus fontinalis × *Salvelinus namaycush* (2,9)

Salvelinus namaycush (3,5)

Stizostedion vitreum vitreum (1,7)

Dist.: Alta, Man, Ont

Records: 1. Anthony 1978b (Ont); 2. Dechtiar and Berst 1978 (Ont); 3. Lawler, Stewart-Hay, both cited in Lubinsky and Loch 1979 (Man); 4. Watson and Dick 1980 (Man); 5. Leong and Holmes 1981 (Alta); 6. McAllister and Mudry 1983 (Alta); 7. Poole and Dick 1985 (Man); 8. Dechtiar and Christie 1988 (Ont); 9. Dechtiar et al. 1988 (Ont); 10. Dechtiar and Lawrie 1988 (Ont); 11. Dechtiar and Nepszy 1988 (Ont); 12. Szalai and Dick 1991a (Man)

Trienophorus nodulosus (Pallas, 1760) Rudolphi, 1819 adult (FW)

Site: intestine

Hosts: *Esox lucius* (1,2,3,4,5,6,7,8,9,10)

Esox masquinongy (3,7)

Dist.: Alta, Man, Ont

Records: 1. Lawler, Stewart-Hay, Watson, all cited in Lubinsky and Loch 1979 (Man); 2. Leong and Holmes 1981 (Alta); 3. Anthony 1983 (Ont); 4. McAllister and Mudry 1983 (Alta); 5. Shostak and Dick 1986 (Man); 6. 1989a (Man); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Dechtiar and Nepszy 1988 (Ont)

Trienophorus stizostedionis Miller, 1945 plerocercoid (FW)

Sites: encapsulated in liver, musculature

Host: *Percopsis omiscomaycus* (1,2)

Dist.: Man, Ont

Records: 1. Lawler, cited in Lubinsky and Loch 1979 (Man); 2. Dechtiar and Christie 1988 (Ont)

Trienophorus stizostedionis Miller, 1945 adult (FW)

Site: intestine

Host: *Stizostedion vitreum vitreum* (1,2,3,4,5,6)

Dist.: Alta, Sask, Man, Ont

Records: 1. Rawson 1957a (Sask); 2. Anthony 1978b (Ont); 3. Lawler, Stewart-Hay, Dickson, all cited in Lubinsky and Loch 1979 (Man); 4. McAllister and Mudry 1983 (Alta); 5. Dechtiar and Christie 1988 (Ont); 6. Dechtiar and Nepszy 1988 (Ont)

Trienophorus spp. plerocercoid (FW)

Sites: encapsulated in liver, musculature

Hosts: *Coregonus artedii* (2)

Coregonus clupeaformis (1,2,3)

Coregonus sp. (3)

Salvelinus namaycush (2)

Dist.: Alta, Sask, Man

Records: 1. Rawson 1959 (Sask); 2. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 3. McCart et al.,

Miller, and McDonald, both cited in McAllister and Mudry 1983 (Alta)

Triaenophorus spp. adult (FW)

Site: intestine

Hosts: *Esox lucius* (1,2)

Stizostedion vitreum vitreum (1,2)

Dist.: Alta, Man

Records: 1. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 2. McAllister and Mudry 1983 (Alta)

SUBORDER DIPHYLLOBOTHRIATA

Family HAPLOBOTHRIIDAE

Haplobothrium globuliforme Cooper, 1914 (FW)

Site: intestine

Hosts: *Aneurus nebulosus* (2,4)

Ania calva (1,2,3,4,5,6,7)

Dist.: Ont

Records: 1. Mackinnon et al. 1983; 2. Burt et al. 1984; 3. Mackinnon and Burt 1985a; 4. 1985b; 5. 1985c; 6. Mackinnon et al. 1985; 7. Dechtiar and Christie 1988

Family DIPHYLLOBOTHRIIDAE

Diphyllobothrium dendriticum (Nitzsch, 1824) Lühe, 1910 plerocercoid (FW)

Syns.: *Diphyllobothrium cordiceps* (Leidy, 1872)

Meggitt, 1924, partim

Diphyllobothrium oblongatum Thomas, 1946

Diphyllobothrium sebago (Ward, 1910) Meyer and Robinson, 1963

Sites: encapsulated on viscera and walls of body cavity, free in body cavity and musculature

Hosts: *Apeltes quadracus* (24)

Coregonus artedii (1,14,20)

Coregonus autumnalis (9)

Coregonus clupeaformis (8,14,20,21)

Coregonus sardinella (6,9)

Gasterosteus aculeatus (24)

Lota lota (17)

Oncorhynchus gorbuscha (15)

Oncorhynchus kisutch (10)

Oncorhynchus mykiss (10,16)

Oncorhynchus nerka (10,16,18,22)

Osmerus mordax (7)

Prosopium williamsoni (10)

Pungitius pungitius (12,24)

Salvelinus alpinus (2,3,4,5,6,9,11,12,13,16,19)

Salvelinus fontinalis (16,23)

Salvelinus malma (10,16)

Salvelinus namaycush (9,13,16)

Dist.: BC, Alta, Man, NWT, Ont, Que, Que-b, NS, Lab, Atl

Records: 1. Anthony 1978 (Ont); 2. Curtis 1979 (NWT); 3. 1980 (NWT); 4. Dick and Belosevic 1981 (NWT); 5. Curtis 1982 (NWT, Que); 6. Stewart and Bernier 1982 (NWT); 7. Fréchet et al. 1983a,b (Atl, Que-b); 8. McAllister and Mudry 1983 (Alta); 9. Stewart and Bernier 1983 (NWT); 10. Anonymous 1984 (BC); 11. Curtis 1984a (NWT, Que); 12. 1984b (NWT); 13. Stewart and Bernier 1984 (NWT); 14. Dick and Poole 1985 (Man); 15. Anthony 1986 (Ont); 16. Andersen et al. 1987 (BC, Que); 17. Anthony 1987 (Ont); 18. Ching 1988 (BC); 19. Bouillon and Dempson 1989 (Lab); 20. de Vos and Dick 1989 (Man); 21. de Vos et al. 1990 (Alta); 22. Garnick and Margolis 1990 (BC); 23. Albert and Curtis 1991 (Que); 24. Marcogliese 1992b (NS)

Remarks: The synonymy is according to Andersen et al. (1987). Margolis and Arthur (1979) reported previous Canadian records as both *Diphyllobothrium cordiceps* and *Diphyllobothrium dendriticum*. The report of this parasite from *Coregonus clupeaformis*, *Oncorhynchus kisutch*, *Oncorhynchus nerka*, *Prosopium williamsoni*, *Sahno gairdneri* and *Salvelinus malma* in Anonymous (1984) is found only in the parasite-host list. Material reported from *Coregonus artedii* by Anthony (1978) was considered to be "...probably *Diphyllobothrium oblongatum*...encysted on stomach". Fréchet et al. (1983) reported their material as *Diphyllobothrium sebago*.

Diphyllobothrium ditremum (Creplin, 1825) Lühe, 1910 plerocercoid (FW)

Sites: encapsulated on viscera, free in body cavity

Hosts: *Coregonus artedii* (14,15,16,18)

Coregonus autumnalis (6)

Coregonus hoyi (16)

Coregonus sardinella (5,6,11)

Gasterosteus aculeatus (12,13)

Oncorhynchus mykiss (13)

Oncorhynchus nerka (13)

Pungitius pungitius (4,9)

Salvelinus alpinus (1,2,3,4,5,6,7,8,9,10,12,13,17)

Salvelinus fontinalis (13)

Salvelinus malma (13)

Salvelinus namaycush (5,6,11,13)

Dist.: BC, NWT, Ont, Que, Lab

Records: 1. Curtis 1979 (NWT); 2. 1980 (NWT); 3. Dick and Belosevic 1981 (NWT); 4. Curtis 1982 (NWT, Que); 5. Stewart and Bernier 1982 (NWT); 6. 1983 (NWT); 7. Bérubé and Curtis 1984 (Que); 8. Curtis 1984a (NWT, Que); 9. 1984b (NWT); 10. Curtis and Stenzel 1984 (Que); 11. Stewart and Bernier 1984 (NWT); 12. Bérubé and Curtis 1986 (Que); 13. Andersen et al. 1987 (BC, Que); 14. Dechtiar and Christie 1988 (Ont); 15. Dechtiar et al. 1988 (Ont); 16. Dechtiar and Lawrie 1988 (Ont); 17. Bouillon and Dempson 1989 (Lab); 18. Dechtiar et al. 1989 (Ont)

Diphyllobothrium latum (Linnaeus, 1758) Lühe, 1910
 plerocercoid (FW)
 Sites: free in body musculature, encapsulated on viscera
 of larger hosts
 Hosts: *Esox lucius* (3,5,7)
Lota lota (3)
Perca flavescens (3,5)
Stizostedion canadense (3)
Stizostedion vitreum vitreum (1,2,3,4,5,6,7)
 Dist.: Alta, Sask, Man
 Records: 1. Magath 1928 (Man); 2. Rawson 1957a
 (Sask); 3. Bajkov, Harvey, Stewart-Hay, all cited in
 Lubinsky and Loch 1979 (Man); 4. Anthony, Fillion,
 Rawson, Ryder, all cited in McAllister and Mudry
 1983 (Alta); 5. Dick and Poole 1985 (Man); 6. Poole
 and Dick 1985 (Man); 7 de Vos and Dick 1989
 (Man)

Diphyllobothrium spp. plerocercoid (FW)
 Sites: encapsulated on viscera, walls of body cavity, and
 musculature, or free in body cavity and musculature
 Hosts: *Acipenser transmontanus* (24)
Anguilla rostrata (30)
Coregonus artedii (4,6,12)
Coregonus clupeaformis (1,3,4,6,7,12,15,17,18,
 30,31,32)
Coregonus hoyi (4,31)
Coregonus sardinella (17)
Esox lucius (6,9)
Lota lota (10,18)
Mallotus villosus (22)
Oncorhynchus gorbuscha (10,13,18)
Oncorhynchus keta (23)
Oncorhynchus kisutch (10,12,18)
Oncorhynchus mykiss (1,10,15,18)
Oncorhynchus nerka (1,10,15,18,21,25,28,29,
 33,34)
Oncorhynchus tshawytscha (10,18)
Prosopium williamsoni (1,10,15,18)
Salmo salar (3,8,35)
Salvelinus alpinus (2,5,11,14,17,20)
Salvelinus fontinalis (3,19,26,27,35)
Salvelinus fontinalis × *Salvelinus namaycush* (4)
Salvelinus malma (1,10,15,18)
Salvelinus namaycush (1,3,14,15,17,18,32)
Stizostedion vitreum vitreum (6,16)
Thymallus arcticus (1,15)
 Dist.: Pac, BC, Alta, Man, NWT, Ont, NB, Nfld, Lab,
 Atl
 Records: 1. Anonymous 1978 (BC); 2. Beverley-Burton
 1978 (NWT); 3. Chinniah and Threlfall 1978 (Lab);
 4. Dechtiar and Berst 1978 (Ont); 5. Dick and
 Belosevic 1978 (NWT); 6. Stewart-Hay, Watson,
 both cited in Lubinsky and Loch 1979 (Man); 7.
 Watson and Dick 1979 (Man); 8. Pippy 1980 (Nfld);
 9. Watson and Dick 1980 (Man); 10. Anonymous
 1981 (BC); 11. Curtis and Hunter 1981 (NWT); 12.
 Leong and Holmes 1981 (Alta); 13. Margolis 1982

(Nfld); 14. Stewart and Bernier 1982 (NWT); 15.
 Arai and Mudry 1983 (BC); 16. McAllister and
 Mudry, 1983 (Alta); 17. Stewart and Bernier 1983
 (NWT); 18. Anonymous 1984 (BC); 19. Cone and
 Ryan 1984 (Nfld); 20. Dick 1984 (NWT); 21. Groot
 et al. 1984 (BC); 22. Pálsson and Beverley-Burton
 1984 (Atl); 23. Whitaker 1985 (BC); 24. Margolis
 and McDonald 1986 (BC); 25. Bailey and Margolis
 1987 (BC); 26. Frimeth 1987a (NB); 27. 1987b (NB);
 28. Wood, Riddell, Rutherford, and Rutherford 1987
 (BC); 29. Bailey, Margolis, and Groot 1988 (Pac);
 30. Dechtiar and Christie 1988 (Ont); 31. Dechtiar
 et al. 1988 (Ont); 32. Dechtiar and Lawrie 1988 (Ont);
 33. Steer et al. 1988 (Pac); 34. Groot et al. 1989
 (Pac); 35. Marcogliese and Cone 1991 (Nfld)

Family LIGULIDAE

Ligula intestinalis (Linnaeus, 1758) Gmelin, 1790
 plerocercoid (FW)
 Site: body cavity
 Hosts: *Carpionodes cyprinus* (16)
Catostomus catostomus (1,5,9,12,13,15)
Catostomus commersoni (1,2,4,7,10,11,12,
 14,15,16)
Cottus cognatus (3,6)
Couesius plumbeus (8)
Etheostoma nigrum (12)
Hypentelium nigricans (7)
Mylocheilus caurinus (3,6)
Notemigonus crysoleucas (15)
Notropis atherinoides (1)
Notropis heterolepis (12)
Notropis hudsonius (1,8,13,16)
Perca flavescens (12,16)
Pimephales notatus (12)
Pimephales promelas (1,15)
Ptychocheilus oregonensis (5,9)
Richardsonius balteatus (3,6)
Senotilus atromaculatus (7,12,15)
 Dist.: BC, Alta, Sask, Man, Ont
 Records: 1. Rawson 1957b (Sask); 2. 1959 (Sask); 3.
 Anonymous 1978 (BC); 4. Dickson, cited in Lubinsky
 and Loch 1979 (Man); 5. Anonymous 1981 (BC); 6.
 Arai and Mudry 1983 (BC); 7. Mackie et al. 1983
 (Ont); 8. McAllister and Mudry, 1983 (Alta); 9.
 Anonymous 1984 (BC); 10. Black and Fraser 1984
 (Ont); 11. Dechtiar and Christie 1988 (Ont); 12.
 Dechtiar et al. 1988 (Ont); 13. Dechtiar and Lawrie
 1988 (Ont); 14. Dechtiar and Nepszy 1988 (Ont); 15.
 Dechtiar et al. 1989 (Ont); 16. Szalai et al. 1989
 (Man)

Ligula sp. plerocercoid (FW)
 Site: body cavity
 Hosts: *Esox lucius* (1)
Lota lota (2)

Notropis hudsonius (1)

Dist.: Alta, Man

Records: 1. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 2. McAllister and Mudry 1983 (Alta)

Family SCHISTOCEPHALIDAE

Schistocephalus pungitii Dubinina, 1959 plerocercoid (FW)

Site: body cavity

Host: *Pungitius pungitius*

Dist.: NS

Record: Marcogliese 1992b

Schistocephalus solidus (O. F. Müller, 1776) Steenstrup, 1857 plerocercoid (FW)

Sites: body cavity, stomach

Hosts: *Cottus asper* (3,10)

Cottus bairdi (14)

Culaea inconstans (2,9,15)

Esox lucius (4)

Gasterosteus aculeatus (5,6,7,8,11,13)

Notropis hudsonius (2)

Oncorhynchus kisutch (4)

Perca flavescens (12)

Pungitius pungitius (4,14)

Salvelinus namaychus (1)

Dist.: BC, Alta, Sask, Man, Que, NB, Nfld

Records: 1. Rawson 1959 (Sask); 2. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 3. Anonymous 1981 (BC); 4. Leong and Holmes 1981 (Alta); 5. Curtis 1982 (Que); 6. Holloway and Curtis 1982 (Que); 7. Reimchen 1982 (BC); 8. McPhail and Peacock 1983 (BC); 9. Miller and MacDonald, cited in McAllister and Mudry 1983 (Alta); 10. Anonymous 1984 (BC); 11. Cone and Ryan 1984 (Nfld); 12. Poole and Dick 1985 (Man); 13. Godin and Sproul 1988 (NB); 14. Dechtiar et al. 1988 (Ont); 15. Dechtiar et al. 1989 (Ont)

Remarks: Rawson (1959) noted that the occurrence of *Schistocephalus solidus* from the stomach of *Salvelinus namaychus* probably resulted from a stickleback having been eaten by the lake trout.

Schistocephalus sp. plerocercoid (FW)

Site: body cavity

Hosts: *Notropis hudsonius* (4)

Perca flavescens (4)

Pungitius pungitius (1,2,3,5)

Dist.: Alta, Man, NB, NWT

Records: 1. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 2. Curtis 1981 (NWT); 3. 1982 (NWT); 4. Samuel, Miller and MacDonald, both cited in McAllister and Mudry 1983 (Alta); 5. Smith and Kramer 1987 (NB)

Unidentified Pseudophyllidea

Pseudophyllidea gen.spp. plerocercoid (M)

Sites: serosa of stomach, intestine, viscera, musculature

Hosts: *Alepocephalus agassizi* (8)

Alosa sapidissima (9)

Anarhichas minor (2)

Coryphaenoides rupestris (3)

Gadus morhua (4)

Macrourus berglax (3)

Mallotus villosus (7)

Pleuronectes bilineatus (1)

Theragra chalcogramma (5,6)

Dist.: Pac, Atl, NS

Records: 1. Ronald 1959 (Pac); 2. Zubchenko 1980 (Atl); 3. 1981 (Atl); 4. Appy and Burt 1982 (Atl); 5. Arthur et al. 1982 (Pac); 6. Arthur 1984 (Pac); 7. Pálsson and Beverley-Burton 1984 (Atl); 8. Zubchenko 1984 (Atl); 9. Hogans et al. 1993 (Atl, NS)

Remarks: Ronald (1959) did not report the locality of collection, but the record is based on material collected by L. Margolis from the Pacific coast of Canada

ORDER SPATHEBOTHRIIDEA

Family BOTHRIMONIDAE

Bothrimonus sturionis Duvernoy, 1842 (FW,M)

Site: intestine

Hosts: *Coregonus autumnalis* (5)

Coregonus clupeaformis (5)

Pleuronectes americanus (7)

Salmo salar (2)

Salmo trutta (4)

Salvelinus alpinus (1,3,5,6,8,10)

Salvelinus namaycush (5)

Pleuronectidae gen.sp. (9)

Dist.: NWT, NB, Lab, Nfld, Atl, E Arc

Records: 1. Dick and Belosevic 1978 (NWT); 2. Pippy 1980 (Nfld); 3. Dick and Belosevic 1981 (NWT); 4. Mackinnon and Burt 1982 (NB); 5. Stewart and Bernier 1983 (NWT); 6. Dick 1984 (E Arc, NWT); 7. Mackinnon and Burt 1984 (Atl); 8. Stewart and Bernier 1984 (NWT); 9. Morrison et al. 1986 (Atl); 10. Bouillon and Dempson 1989 (Lab)

Remarks: The locality for this parasite reported from *Salmo trutta* was not specifically stated by Mackinnon and Burt (1982) but it is likely that the record originates from New Brunswick.

Family CYATHOCEPHALIDAE

Cyathocephalus truncatus (Pallas, 1781) Kessler, 1868 (FW)

Sites: pyloric caeca, intestine

Hosts: *Coregonus artedii* (1,2,3,8,18)
Coregonus clupeaformis (1,2,3,8,11,13,17,
18,19)

Coregonus hoyi (1,18)
Coregonus sardinella (12)
Cottus bairdi (18)
Cottus ricei (18)
Esox lucius (2,4)
Gasterosteus aculeatus (10)
Lota lota (8)
Myoxocephalus thompsoni (7)
Oncorhynchus gorboscha (16)
Oncorhynchus kisutch (8)
Oncorhynchus mykiss (6,13)
Osmerus mordax (1,18)
Perca flavescens (1,14,18)
Prosopium cylindraceum (18)
Sabno salar (5)
Salvelinus alpinus (9,12,14,15)
Salvelinus fontinalis × *Salvelinus namaycush*
(1,18)
Salvelinus malma (6,13)
Salvelinus namaycush (15)

Dist.: BC, Alta, Man, NWT, Ont, Que, Nfld

Records: 1. Dechtiar and Berst 1978 (Ont); 2. Watson,
cited in Lubinsky and Loch 1979 (Man); 3. Watson
and Dick 1979 (Man); 4. 1980 (Man); 5. Pippy 1980
(Nfld); 6. Anonymous 1981 (BC); 7. Black and
Lankester 1981 (Ont); 8. Leong and Holmes 1981
(Alta); 9. Curtis 1982 (Que); 10. Reimchen 1982
(BC); 11. McCart et al., Hobbs, both cited in
McAllister and Mudry 1983 (Alta); 12. Stewart and
Bernier 1983 (NWT); 13. Anonymous 1984 (BC);
14. Curtis 1984 (NWT, Que); 15. Stewart and
Bernier 1984 (NWT); 16. Anthony 1986 (Ont); 17.
Dechtiar and Christie 1988 (Ont); 18. Dechtiar et al.
1988 (Ont); 19. Dechtiar and Lawrie 1988 (Ont)

Remarks: The report of this parasite from *Coregonus
clupeaformis* in Anonymous (1984) was found in the
parasite-host list only.

Cyathocephalus sp. (FW)

Sites: [pyloric caeca, intestine]
Host: *Stizostedion vitreum vitreum*
Dist.: Alta
Record: McAllister and Mudry 1983

Family SPATHEBOTHRIIDAE

Spathebothrium simplex Linton, 1922 (M)

Site: stomach
Hosts: *Gadus morhua*
Liparis coheni
Dist.: Atl
Record: Appy and Burt 1982
Remarks: The report of this parasite from the stomach

of *Gadus morhua* by Appy and Burt (1982) was
based on one autolysed specimen associated with the
remains of a *Liparis coheni*.

ORDER TETRAPHYLLIDEA

Family ONCOBOTHRIIDAE

Ceratobothrium xanthocephalum Monticelli, 1892
plerocercoid (M)

Sites: stomach, intestine
Hosts: *Gadus morhua* (1)
Xiphias gladius (2)

Dist.: Atl

Records: 1. Appy and Burt 1982; 2. Hogans et al. 1983

Family PHYLLOBOTHRIIDAE

Monorygma sp. plerocercoid (M)

Site: [intestine]
Host: *Cymatogaster aggregata*
Dist.: Pac
Record: Arai et al. 1988

Pelichnibothrium sp. plerocercoid (M)

Sites: stomach, intestine
Host: *Sabno salar*
Dist.: NB, Atl
Record: Pippy 1980

Phyllobothrium caudatum (Zschokke and Heitz, 1914)
Zmeev, 1936 plerocercoid (M)

Syn.: *Phyllobothrium ketae* Canavan, 1928
Sites: pyloric caeca, intestine
Hosts: *Eopsetta jordani* (3)
Oncorhynchus gorboscha (1,2)
Oncorhynchus keta (1,2)
Oncorhynchus kisutch (1,2)
Oncorhynchus nerka (1,2)
Salvelinus malma (2)

Dist.: BC, Pac

Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3.
Ronald 1959 (Pac)

Remarks: The synonymy is according to Williams
(1968). Ronald (1959) did not report the locality of
collection, but the record is based on material
collected by L. Margolis from the Pacific coast of
Canada.

Phyllobothrium delphini Bosc, 1802 plerocercoid (M)

Site: stomach
Host: *Xiphias gladius*
Dist.: Atl
Record: Hogans et al. 1983

Phyllobothrium loliginus (Leidy, 1887) Linton, 1897
plerocercoid (M)

Site: stomach

Host: *Gadus morhua*

Dist.: Atl

Record: Appy and Burt 1982

Remarks: This was a provisional identification by Appy and Burt (1982) because the specimen was found associated with the remains of a shortfin squid, *Illex illecebrosus*.

Phyllobothrium thridax Van Beneden, 1849 plerocercoid
(M)

Site: [intestine]

Hosts: *Hippoglossus hippoglossus*

Reinhardtius hippoglossoides

Dist.: Atl

Record: Zubchenko 1980

Remarks: Zubchenko's (1980) record as *Phyllobothrium tridax* is a lapsus for *Phyllobothrium thridax*.

Phyllobothrium spp. plerocercoid (M)

Sites: intestine, pyloric caeca, gall bladder

Hosts: *Hippoglossoides elassodon* (1)

Oncorhynchus gorbuscha (3,4)

Oncorhynchus keta (3,4)

Oncorhynchus kisutch (3,4)

Oncorhynchus nerka (3,4)

Oncorhynchus tshawytscha (2,5)

Pleuronectes vetulus (6)

Dist.: Pac, BC

Records: 1. Ronald 1959 (Pac); 2. Anonymous 1978 (BC); 3. 1981 (BC); 4. 1984 (BC); 5. Arai and Mudry 1983 (BC); 6. Kabata and Whitaker 1984 (Pac)

Remarks: Records for this parasite from *Oncorhynchus kisutch* and *Oncorhynchus nerka* in Anonymous (1981, 1984) were found in the parasite-host list only. Ronald (1959) did not report the locality of collection, but the record is based on material collected by L. Margolis from the Pacific coast of Canada.

Pseudanthobothrium hanseni Baer, 1956 (M)

Site: spiral valve intestine

Host: *Raja radiata*

Dist.: Atl

Record: Mackinnon and Burt 1984

Pseudanthobothrium sp. (M)

Site: spiral valve intestine

Host: *Raja radiata*

Dist.: Atl

Record: Mackinnon and Burt 1982

Zyxibothrium kamienae Hayden and Campbell 1981 (M)

Site: spiral valve intestine

Host: *Malacoraja senta*

Dist.: Atl

Record: Hayden and Campbell 1981

Unidentified Tetraphyllidea

Tetraphyllidea gen.spp. plerocercoid (M)

Site: [intestine]

Hosts: *Acipenser fulvescens* (5)

Alosa sapidissima (6)

Mallotus villosus (2)

Melanogrammus aeglefinus (1)

Salvelinus fontinalis (3,4)

Dist.: Man, NB, Atl

Records: 1. Scott 1981 (Atl); 2. Pálsson and Beverley-Burton 1984 (Atl); 3. Frimeth 1987a (NB); 4. 1987b (NB); 5. Choudhury and Dick 1993 (Man); 6. Hogans et al. 1993 (Atl)

Tetraphyllidea of Uncertain Taxonomic Position

Scolex pleuronectis O. F. Müller, 1788 plerocercoid (M)

Syn.: *Scolex polymorphus* Rudolphi, 1819 plerocercoid

Site: alimentary tract

Hosts: *Alosa aestivalis* (25)

Alosa pseudoharengus (25)

Alosa sapidissima (26)

Anarhichas lupus (1)

Anoplopoma fimbria (14)

Atheresthes stomias (14)

Clupea harengus (15)

Clupea pallasii (3,4)

Coryphaenoides rupestris (7)

Gadus morhua (8)

Glyptocephalus cynoglossus (2,6)

Hippoglossoides platessoides (1,2,6,18)

Hippoglossus hippoglossus (2,6,21)

Macrourus berglax (7)

Merluccius productus (11)

Microstomus pacificus (14)

Nezumia bairdi (7)

Oncorhynchus gorbuscha (9)

Oncorhynchus keta (17)

Pleuronectes ferrugineus (2)

Pleuronectes putnami (2)

Pleuronectes vetulus (14)

Pollachius virens (16)

Reinhardtius hippoglossoides (2,5,6,20,21,
22,23,24)

Sebastes fasciatus (13,19)

Sebastes mentella (13)

Sebastes norvegicus (13)

Theragra chalcogramma (12,14)

Xiphias gladius (10)

Dist.: Pac, BC, NS, Nfld, Atl, E Arc

Records: 1. Redkozubova 1976 (Atl); 2. 1978 (Atl); 3. Arthur and Arai 1980a (Pac); 4. 1980b (Pac); 5. Reimer 1981 (E Arc); 6. Zubchenko 1980 (Atl); 7. 1981 (Atl, E Arc); 8. Appy and Burt 1982 (Atl); 9. Margolis 1982 (Nfld); 10. Hogans et al. 1983 (Atl); 11. Sankurathri et al. 1983 (Pac); 12. Arthur 1984 (Pac); 13. Bourgeois and Ni 1984 (Atl); 14. Kabata and Whitaker 1984 (Pac); 15. McGladdery and Burt 1985 (Atl); 16. Scott 1985a (Atl); 17. Whitaker 1985 (Pac); 18. Zubchenko 1985 (Atl); 19. Scott 1988 (Atl); 20. Wierzbicka 1988 (Atl); 21. Scott and Bray 1989 (Atl); 22. Wierzbicka 1991a (Atl); 23. 1991b (Atl); 24. Krzykowski and Wierzbicka 1992 (Atl); 25. Landry et al. 1992 (Atl); 26. Hogans et al. 1993 (Atl, NS)

Remarks: The synonymy is according to Wardle and McLeod (1952). The genus *Scolex* is a collective group name for tetraphyllid plerocercoids of unknown generic affinity. Some authors use the appellation "uniloculus, biloculus, triloculus, etc.," in a descriptive sense, for the number of loculi present on each bothrium, but these are all included as *Scolex pleuronectis* herein. Redkozubova (1978) did not list the individual hosts for this parasite, but the parasite was said to be found in all flounders examined.

Scolex spp. plerocercoid (M)

Site: [alimentary tract]

Hosts: *Alepocephalus agassizi* (1)

Merluccius albidus (2)

Merluccius bilinearis (2)

Urophycis chesteri (2)

Urophycis chuss (2)

Urophycis musicki (2)

Dist.: Atl

Records: 1. Zubchenko 1984; 2. Scott 1987

ORDER TRYPANORHYNCHA

SUBORDER ACYSTIDEA

Family HEPATOXYLIDAE

Hepatoxylon squali (Martinière, 1797) Bosc, 1811 plerocercoid (M)

Syns.: *Hepatoxylon trichiuri* (Holten, 1802) Dollfus, 1942

Hepatoxylon attenuatus (Rudolphi, 1819) Dollfus, 1942

Sites: cysts on viscera, body cavity, serosa of stomach and intestine

Hosts: *Salmo salar* (1)

Xiphias gladius (2)

Dist.: NB, NS, Atl

Records: 1. Pippy 1980 (NB, NS, Atl); 2. Hogans et al. 1983 (Atl)

Remarks: The synonymy is according to Schmidt (1986).

Hepatoxylon sp. plerocercoid (M)

Site: [cysts on mesenteries of viscera]

Host: *Oncorhynchus gorbuscha*

Dist.: Nfld

Record: Margolis 1982

Family TENTACULARIIDAE

Nybelinia lamontae Nigrelli, 1938 plerocercoid (M)

Site: cysts on stomach

Host: *Xiphias gladius*

Dist.: Atl

Record: Hogans et al. 1983

Nybelinia surmenicola Okada in Dollfus, 1929 plerocercoid (M)

Sites: cysts on mesenteries of viscera, stomach wall, body cavity, musculature

Hosts: *Atheresthes stomias* (5)

Merluccius productus (4)

Sebastes flavidus (6,7)

Theragra chalcogramma (1,2,3,5)

Dist.: Pac

Records: 1. Arthur et al. 1982; 2. 1983; 3. 1984; 4. Sankurathri et al. 1983; 5. Kabata and Whitaker 1984; 6. Lee et al. 1990; 7. Stanley et al. 1992

Nybelinia spp. plerocercoid (M)

Sites: cysts in body cavity, visceral mesenteries

Hosts: *Eopsetta exilis* (1)

Microstomus pacificus (1)

Sebastes flavidus (2)

Dist.: Pac

Records: 1. Ronald 1959; 2. Lee et al. 1990

Remarks: Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada.

Tentacularia coryphaenae Bosc, 1802 plerocercoid (M)

Sites: cysts in body cavity, viscera, mesenteries, stomach

Hosts: *Gadus morhua* (2)

Salmo salar (1)

Xiphias gladius (3)

Dist.: NB, NS, Atl

Records: 1. Pippy 1980 (Atl, NB, NS); 2. Appy and Burt 1982 (Atl); 3. Hogans et al. 1983 (Atl)

SUBORDER CYSTIDEA

Family DASYRHYNCHIDAE

Dasyrhynchus giganteus Pinter, 1929 plerocercoid (M)

Site: stomach cysts

Host: *Alosa sapidissima*
Dist.: Atl
Record: Hogans et al. 1993

Dasyrhynchus variouncinnatus Pinter, 1913 plerocercoid (M)

Site: stomach cysts
Host: *Xiphias gladius*
Dist.: Atl
Record: Hogans et al. 1983

Family GILQUINIIDAE

Gilquinia squali (Fabricius, 1794) Guiart, 1927 plerocercoid (M)

Site: vitreous chamber of eye, optic nerve
Host: *Oncorhynchus tshawytscha*
Dist.: Pac
Records: Kent et al. 1989; 1990; 1991; Kent and Margolis 1992

Gilquinia squali (Fabricius, 1794) Guiart, 1927 adult (M)

Site: spiral valve intestine
Host: *Squalus acanthias*
Dist.: Pac
Records: Kent et al. 1989; Kent and Margolis 1992

Family LACISTORHYNCHIDAE

Grillotia erinaceus (Beneden, 1858) Guiart, 1927 plerocercoid (M)

Sites: encapsulated in body cavity, mesenteries
Hosts: *Clupea harengus* (7,8)
Gadus morhua (6)
Hippoglossoides platessoides (4)
Hippoglossus hippoglossus (1)
Melanogrammus aeglefinus (5)
Nezumia bairdi (3)
Reinhardtius hippoglossoides (1,2,9,10,11,12)

Dist.: Atl
Records: 1. Redkozubova 1976; 2. Zubchenko 1980; 3. 1981; 4. 1985a; 5. Scott 1981; 6. Appy and Burt 1982; 7. McGladdery and Burt 1985; 8. Chenoweth et al. 1986; 9. Wierzbicka 1988; 10. 1991a; 11. 1991b; 12. Krzykawski and Wierzbicka 1992

Grillotia heptanchi (Vaullegeard, 1899) Dollfus, 1942 plerocercoid (M)

Site: cephalic canals
Host: *Theragra chalcogramma*
Dist.: Pac
Records: Arthur 1983; 1984; Kabata and Whitaker 1984

Grillotia sp. plerocercoid (M)
Site: body cavity

Hosts: *Hippoglossus hippoglossus* (4)
Merluccius bilinearis (2)
Reinhardtius hippoglossoides (1,4)
Sebastes fasciata (3)
Urophycis chuss (2)
Urophycis musicki (2)

Dist.: E Arc, Atl
Records: 1. Reimer 1981 (E Arc); 2. Scott 1987 (Atl); 3. 1988 (Atl); 4. Scott and Bray 1989 (Atl)

Lacistorhynchus tenuis (Van Beneden, 1858) Pintner, 1913 plerocercoid (M)

Site: pyloric mesenteries
Host: *Clupea harengus*
Dist.: Atl
Records: McGladdery and Burt 1985; Chenoweth et al. 1986

Unidentified Trypanorhyncha

Trypanorhyncha gen.spp. plerocercoid (M)

Site: encysted in mesenteries of viscera
Hosts: *Sebastes norvegicus* (1)
Theragra chalcogramma (2,3)
Dist.: Pac, Atl
Records: 1. Sindermann 1961 (Atl); 2. Arthur 1984 (Pac); 3. Kabata and Whitaker 1984 (Pac)

Unidentified Cestoidea

Cestoidea gen.spp. plerocercoid (M)

Sites: intestine, pyloric caeca
Hosts: *Clupea harengus*
Gadus morhua
Hemitripterus americanus
Hippoglossus hippoglossus
Melanogrammus aeglefinus
Pollachius virens
Sebastes sp.

Dist.: Atl
Record: Morrison et al. 1986

Cestoidea gen.spp. (FW,M)

Sites: pyloric caeca, intestine
Hosts: *Catostomus catostomus* (2,3)
Coregonus autumnalis (5)
Coregonus clupeaformis (1,4,5)
Gadus ogac (5)
Merluccius bilinearis (8)
Myoxocephalus scorpius (5)
Oncorhynchus keta (7)
Oncorhynchus mykiss (2,3)
Pollachius virens (6)
Ptychocheilus oregonensis (3)
Salvelinus alpinus (5)

Salvelinus malma (2,3)
Salvelinus namaycush (4,5)
Triglops pingelii (5)

Dist.: Pac, BC, Alta, Man, NWT, Atl, E Arc
Records: 1. Bajkov 1930 (Man); 2. Anonymous 1981 (BC); 3. 1984 (BC); 4. McAllister and Mudry 1983 (Alta); 5. Stewart and Bernier 1984 (NWT, E Arc); 6. Scott 1985a (Atl); 7. Whitaker 1985 (Pac); 8. Waldron 1992 (Atl)

Remarks: The records for this parasite in Anonymous (1981, 1984) were found only in the parasite-host list.

Hosts: *Cottus asper* (3)
Cottus cognatus (1,4)
Lota lota (1,2,3,4)
Mylocheilus caurinus (1,4)
Oncorhynchus mykiss (1,3,4)
Prosopium williamsoni (1,2,3,4)
Ptychocheilus oregonensis (1,2,3,4)
Salvelinus fontinalis (5,6)
Salvelinus malma (1,4)
Salvelinus namaycush (3)

Dist.: BC, NB

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Frimeth 1987a (NB); 6. 1987b (NB)

PHYLUM NEMATHELMINTHES

CLASS NEMATODA

SUBCLASS ADENOPHOREA

ORDER ENOPLIDA

Superfamily DIOCTOPHYMATOIDEA

Family DIOCTOPHYMATIDAE

Dioctophyma renale (Goeze, 1782) Stiles, 1901 larva (FW)

Sites: hypaxial musculature, stomach wall

Hosts: *Ameiurus nebulosus*
Lepomis gibbosus

Dist.: Ont

Record: Measures and Anderson 1985

Eustrongylides tubifex (Nitzsch in Rudolphi, 1819) Jägerskiöld, 1909 larva (FW)

Site: encapsulated on mesenterics of viscera

Hosts: *Ambloplites rupestris* (1,2,3,4)
Ameiurus nebulosus (4,7)
Aplodinotus grunniens (4,6)
Catostomus catostomus (7)
Catostomus commersoni (3,6,7)
Culaea inconstans (7)
Fundulus diaphanus (5)
Ictalurus punctatus (6)
Lepomis gibbosus (1,2,3,4,7)
Micropterus dolomieu (4,5,6)
Morone americana (4)
Morone chrysops (6)
Perca flavescens (1,2,3,4,5,6,7)
Stizostedion vitreum vitreum (4)

Dist.: Ont

Records: 1. Measures 1987; 2. 1988a; 3. 1988b; 4. Dechtiar and Christie 1988; 5. Dechtiar et al. 1988; 6. Dechtiar and Nepszy 1988; 7. Dechtiar et al. 1989

Eustrongylides spp. larva (FW)

Sites: encapsulated on viscera, in body cavity, musculature

Superfamily TRICHUROIDEA

Family CAPILLARIIDAE

Capillaria (Capillaroides) catenata Van Cleave and Mueller, 1932 (FW)

Syn.: *Thominx catenata* (Van Cleave and Mueller, 1932) Skrjabin and Schikhobalova, 1954

Site: intestine

Host: *Oncorhynchus nerka*

Dist.: Ont

Record: Dechtiar et al. 1988

Remarks: The synonymy is according to Moravec (1987). Margolis and Arthur (1979) listed previous Canadian records as *Thominx catenata*.

Capillaria (Procapillaria) gracilis (Bellingham, 1840) Travassos, 1915 (M)

Syn.: *Capillaria kabatai* Inglis and Coles, 1963

Site: intestine

Hosts: *Anarhichas lupus* (1)
Hippoglossoides platessoides (1)
Hippoglossus hippoglossus (1)
Macrourus berglax (2)
Merluccius albidus (3)
Merluccius bilinearis (3)
Nezumia bairdi (2)
Urophycis chuss (3)
Urophycis musicki (3)

Dist.: Atl

Records: 1. Zubchenko 1980; 2. 1981; 3. Scott 1987

Remarks: The synonymy is according to Moravec (1987).

Capillaria (Procapillaria) margolisi Moravec and McDonald, 1981 (M)

Site: pyloric caeca

Host: *Scorpaenichthys marmoratus*

Dist.: Pac

Record: Moravec and McDonald 1981

Paracapillaria parophrysi (Moravec, Margolis, and McDonald, 1981) Moravec, 1982 (M)

Syn.: *Capillaria parophrysi* Moravec, Margolis, and McDonald, 1981

Site: intestine

Host: *Pleuronectes vetulus*

Dist.: Pac

Record: Moravec et al. 1981

Remarks: The synonymy is according to Moravec (1987).

Piscicapillaria freemani (Moravec, Margolis, and McDonald, 1981) Moravec, 1982 (M)

Syn.: *Capillaria freemani* Moravec, Margolis, and McDonald, 1981

Site: spiral valve intestine

Hosts: *Bathyraja interrupta*

Raja rhina

Raja stellulata

Dist.: Pac

Record: Moravec et al. 1981

Remarks: The synonymy is according to Moravec (1987).

Pseudocapillaria (Ichthyocapillaria) salvelini (Polyansky, 1952) Moravec, 1982 (FW)

Syn.: *Capillaria salvelini* Polyansky, 1952

Sites: intestine, pyloric caeca, stomach

Hosts: *Coregonus clupeaformis* (2,12)

Cottus asper (4)

Oncorhynchus kisutch (4,6,7,8,11)

Oncorhynchus mykiss (12)

Osmerus mordax (4)

Prosopium cylindraceum (12)

Salmo salar (1,4,5,8,14)

Salvelinus alpinus (13)

Salvelinus fontinalis (2,9,10,14)

Salvelinus fontinalis x *Salvelinus namaycush* (3)

Salvelinus malma (7)

Salvelinus namaycush (2,4,8)

Dist.: BC, YT, Ont, NB, NB-b, NS, Nfld, Lab

Records: 1. Hare 1975 (NB); 2. Chinniah and Threlfall 1978 (Lab); 3. Dechtiar and Berst 1978 (Ont); 4. Moravec 1980a (BC, YT, Ont, Nfld); 5. Pippy 1980 (NB, NS, Nfld); 6. Anonymous 1981 (BC); 7. 1984 (BC); 8. Bell and Beverley-Burton 1981 (BC, YT, NB); 9. Frimeth 1987a (NB); 10. 1987b (NB, NB-b); 11. Dechtiar and Christie 1988 (Ont); 12. Dechtiar and Lawrie 1988 (Ont); 13. Bouillon and Dempson 1989 (Lab); 14. Marcogliese and Cone 1991 (Nfld)

Remarks: The synonymy is according to Moravec (1987). Margolis and Arthur listed previous Canadian records as *Capillaria salvelini*.

Pseudocapillaria (Pseudocapillaria) tomentosa (Dujardin, 1843) Moravec, 1982 (FW)

Syn.: *Capillaria catostomi* Pearse, 1924

Hepaticola bakeri Mueller and Van Cleave, 1932, partim

Skrjabinocapillaria bakeri (Mueller and Van Cleave, 1932) Skrjabin and Schikhobalova, 1954

Site: intestine

Hosts: *Catostomus commersoni* (1,2,3)

Coregonus clupeaformis (3)

Cyprinus carpio (3)

Cyprinus carpio x *Carassius auratus* (3)

Dist.: Ont

Records: 1. Bell and Beverley-Burton 1980; 2. Moravec 1980b; 3. Bell and Beverley-Burton 1981

Remarks: The synonymy is according to Moravec (1987). Margolis and Arthur (1979) listed previous Canadian records as *Skrjabinocapillaria bakeri*.

"*Capillaria*" spp. (M)

Site: intestine

Hosts: *Anoplopoma fimbria* (6)

Gadus morhua (2,5)

Melanogrammus aeglefinus (3,4)

Pleuronectes bilineatus (1)

Pleuronectes vetulus (1)

Dist.: Pac, Atl

Records: 1. Ronald 1959 (Pac); 2. Appy 1981 (Atl); 3. Scott 1981 (Atl); 4. 1982 (Atl); 5. Appy and Burt 1982 (Atl); 6. Kabata and Whitaker 1984 (Pac)

Remarks: Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada. Appy (1981) stated that *Capillaria* sp. is found sympatrically with *Ascarophis extalicola*, which occurs in *Gadus morhua*. This host is not specifically listed for *C. sp.* in his report.

Family CYSTOOPSIDAE

Cystoopsis acipenseris Wagner, 1867 (FW)

Site: subcutaneous cysts

Host: *Acipenser transmontanus*

Dist.: BC

Records: Margolis and McDonald 1986; McDonald et al. 1989

Remarks: The record by Margolis and McDonald (1986) was based on a tentative identification as "...probably *Cystoopsis acipenseris*..."

Unidentified Trichuroidea

Capillariidae gen.sp. (FW)

Site: [intestine]

Hosts: *Mylocheilus caurinus*

Oncorhynchus mykiss

Ptychocheilus oregonensis

Dist.: Pac

Record: Anonymous 1984

SUBCLASS SECERNENTEA
ORDER ASCARIDIDA
Superfamily ASCARIDOIDEA
Family ANISAKIDAE

Anisakis simplex (Rudolphi, 1809) Dujardin, 1845 larva (M)

Sites: encapsulated on viscera, mesenteries, body cavity, musculature

Hosts: *Acipenser transmontanus* (23)

Alosa aestivalis (42)

Alosa pseudoharengus (42)

Ammodytes dubius (34)

Argentina silus (34)

Brosme brosme (34)

Clupea harengus (12,20,22,24,25,34,39)

Clupea pallasii (3,4)

Cyclopterus lumpus (34)

Gadus morhua (10,18,19,26,31,32,34,40)

Glyptocephalus cynoglossus (7,34)

Hemitripterus americanus (34)

Hippoglossoides platessoides (7,19,21,30,34)

Hippoglossus hippoglossus (7,34)

Hippoglossus stenolepis (44)

Lophius americanus (34)

Mallotus villosus (17,27)

Melanogrammus aeglefinus (26,34)

Merluccius bilinearis (26,34)

Merluccius productus (15)

Myoxocephalus octodecemspinosus (34)

Peprilus triacanthus (34)

Pleuronectes americanus (34)

Pleuronectes ferrugineus (34)

Pollachius virens (26,34)

Raja radiata (34)

Reinhardtius hippoglossoides (7,9,33,35,36,37,38,41,43)

Salmo salar (1,2,6,12)

Salvelinus fontinalis (8,28,29)

Scomber scombrus (12,26,34)

Sebastes brevispinis (5)

Sebastes fasciatus (34)

Sebastes mentella (34)

Sebastes paucispinnis (5)

Sebastes pinniger (5)

Sebastes sp. (26)

Squalus acanthias (34)

Theragra chalcogramma (11,13,16)

Urophycis chesteri (34)

Urophycis chuss (34)

Urophycis musicki (34)

Xiphias gladius (14)

Pleuronectidae gen.sp. (26)

Dist.: Pac, BC, Que-b, NB, NB-b, Atl, E Arc

Records: 1. Beverley-Burton 1978 (Atl); 2. Beverley-Burton and Pippy 1978 (Atl); 3. Arthur and Arai

1980a (Pac); 4. 1980b (Pac); 5. Cain and Raj 1980 (Pac); 6. Pippy 1980 (Atl); 7. Zubchenko 1980 (Atl); 8. Black 1981 (Que-b); 9. Rejmer 1981 (E Arc); 10. Apy and Burt 1982 (Atl); 11. Arthur et al. 1982 (Pac); 12. Threlfall 1982 (Atl); 13. Arthur 1983 (Pac); 14. Hogans et al. 1983 (Atl); 15. Sankurathri et al. 1983 (Pac); 16. Arthur 1984 (Pac); 17. Pálsson and Beverley-Burton 1984 (Atl); 18. Khan 1985 (Atl); 19. McClelland et al. 1985 (Atl); 20. McGladdery and Burt 1985 (Atl); 21. Zubchenko 1985 (Atl); 22. Chenoweth et al. 1986 (Atl); 23. Margolis and McDonald 1986 (BC); 24. McGladdery 1986a (Atl); 25. 1986b (Atl); 26. Morrison et al. 1986 (Atl); 27. Pálsson 1986 (Atl); 28. Frimeth 1987a (NB); 29. 1987b (NB, NB-b); 30. McClelland et al. 1987 (Atl); 31. Bratney 1988 (Atl); 32. Chandra and Khan 1988 (Atl); 33. Wierzbicka 1988 (Atl); 34. McClelland et al. 1990 (Atl); 35. Wierzbicka 1991a (Atl); 36. 1991b (Atl); 37. Arthur and Albert 1992a (Atl); 38. 1992b (Atl); 39. Bradford and Iles 1992 (Atl); 40. Bratney and Bishop 1992 (Atl); 41. Krzywowski and Wierzbicka 1992 (Atl); 42. Landry et al. 1992 (Atl); 43. Arthur and Albert 1993 (Atl); 44. Tremble et al. 1993 (Pac)

Remarks: Cain and Raj (1980) recorded this parasite as "... *Anisakis* Type I larvae, probably *A. simplex*." The hosts were collected from B.C., Oregon and California. It was not specifically stated which infected hosts were from the Canadian Pacific, but the listed hosts are all found off the B.C. coast.

Anisakis spp. larva (M)

Sites: encapsulated on viscera, mesenteries, body cavity, musculature

Hosts: *Alepocephalus agassizi* (18)

Alosa aestivalis (20)

Alosa pseudoharengus (20)

Anoplopoma fimbria (17)

Atheresthes stomias (1,2,17)

Citharichthys stigmaeus (1)

Clupea harengus (3,4,5)

Coryphaenoides rupestris (8,11)

Eopsetta exilis (1)

Eopsetta jordani (1)

Gadus morhua (13,14)

Glyptocephalus cynoglossus (7,13,14)

Hippoglossoides platessoides (7,13,14)

Hippoglossus hippoglossus (7)

Macrourus berglax (6,11)

Merluccius albidus (22)

Merluccius bilinearis (22)

Microstomus pacificus (1,17)

Oncorhynchus gorboscha (9,15)

Oncorhynchus keta (9,15,19,24)

Oncorhynchus kisutch (9,15)

Oncorhynchus nerka (9,15)

Osmerus mordax (10)

Pleuronectes bilineatus (1)

Pleuronectes ferrugineus (7)

Pleuronectes putnami (7)
Pleuronectes vetulus (1,17)
Reinhardtius hippoglossoides (7)
Scomber scombrus (12)
Sebastes fasciatus (16,23)
Sebastes flavidus (25,26)
Sebastes mentella (16)
Sebastes norvegicus (16)
Theragra chalcogramma (17,21)
Urophycis musicki (22)

Dist.: Pac, BC, NB, Atl

Records: 1. Ronald 1959 (Pac); 2. Kovalenko 1969 (Pac); 3. Hodder and Parsons 1971a (Atl); 4. 1971b (Atl); 5. Dornheim 1973 (Atl); 6. Noble 1973 (Atl); 7. Redkozubova 1978 (Atl); 8. Szuks 1980 (Atl); 9. Anonymous 1981 (BC); 10. Threlfall 1981 (Atl); 11. Zubchenko 1981 (Atl); 12. Threlfall 1982 (Atl); 13. McClelland et al. 1983a (Atl); 14. 1983b (Atl); 15. Anonymous 1984 (BC); 16. Bourgeois and Ni 1984 (Atl); 17. Kabata and Whitaker 1984 (Pac); 18. Zubchenko 1984 (Atl); 19. Whitaker 1985 (Pac); 20. Landry et al. 1986 (NB); 21. Priebe 1986 (Pac); 22. Scott 1987 (Atl); 23. 1988 (Atl); 24. Gardiner 1990 (Pac); 25. Lee et al. 1990 (Pac); 26. Stanley et al. 1992 (Pac)

Remarks: Dornheim (1973) recorded this parasite from "herring" (= *Clupea harengus*) from the Atlantic coast of Canada and the USA. Individual hosts were not specifically listed by Redkozubova (1978), but the parasite was said to be found in all flounders examined. Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada.

Contracaecum osculatum (Rudolphi, 1802) Baylis, 1920 larva (M)

Sites: encapsulated on mesenteries surrounding pyloric caeca and stomach

Hosts: *Gadus morhua* (1,2,4)
Hippoglossoides platessoides (1)
Oncorhynchus mykiss (3)
Urophycis musicki (2)

Dist.: Atl

Records: 1. McClelland et al. 1985 (Atl); 2. McClelland et al. 1990 (Atl); 3. Smith et al. 1990 (exper); 4. Likely and Burt 1992 (Atl)

Remarks: Likely and Burt (1992) reported the larvae from cod viscera as *Contracaecum* sp. which, after *in vitro* cultivation to adults, were found to be morphologically similar to *Contracaecum osculatum*.

Contracaecum spp. (FW)

Sites: digestive tract, body cavity, musculature

Hosts: *Ambloplites rupestris* (4)
Apeltes quadracus (9)
Coregonus clupeaformis (2)
Culaea inconstans (5)

Gasterosteus aculeatus (9)
Micropterus dolomieu (4)
Micropterus salmoides (7)
Oncorhynchus mykiss (6)
Perca flavescens (8)
Pimephales promelas (2,5)
Pungitius pungitius (5,9)
Salvelinus alpinus (1,3)

Dist.: Alta, Sask, Man, Ont, NS, NWT

Records: 1. Dick and Belosevic 1981 (NWT); 2. McAllister and Mudry 1983 (Alta); 3. Dick 1984 (NWT); 4. Anthony 1985 (Ont); 5. Dick 1987 (Man); 6. Dick et al. 1987 (Man); 7. Szalai and Dick 1990 (Sask); 8. 1991a (Man); 9. Marcogliese 1992b (NS)

Remarks: The report of this parasite by Szalai and Dick (1991a) was given as "*Contracaecum* sp.?" and in a footnote they stated "some of these may have been larvae of *R. acus*."

Contracaecum sp. and/or *Phocascaris* sp. larva (M)

Sites: encapsulated on visceral organs and mesenteries

Hosts: *Clupea pallasii* (3,4)
Coryphaenoides rupestris (17)
Eopsetta exilis (1)
Eopsetta jordani (1)
Gadus morhua (9,12,13)
Glyptocephalus cynoglossus (2)
Hippoglossoides elassodon (1)
Hippoglossoides platessoides (2,12)
Hippoglossus hippoglossus (2)
Mallotus villosus (16,18)
Oncorhynchus gorbuscha (6)
Oncorhynchus keta (6)
Oncorhynchus kisutch (6)
Oncorhynchus nerka (6)
Pleuronectes ferrugineus (2)
Pleuronectes putnami (2)
Pleuronectes vetulus (1)
Reinhardtius hippoglossoides (2,8)
Sahno salar (5)
Sebastes fasciatus (15)
Sebastes mentella (15)
Sebastes norvegicus (15)
Synphobranchius kaupii (17)
Theragra chalcogramma (7,10,11,14)

Dist.: Pac, BC, NWT, PEI, NB, NS, Atl, E Arc

Records: 1. Ronald 1959 (Pac); 2. Redkozubova 1978 (Atl); 3. Arthur and Arai 1980a (Pac); 4. 1980b (Pac); 5. Pippy 1980 (NB, NS, PEI); 6. Anonymous 1981 (BC); 7. Berland 1981 (Pac); 8. Reimer 1981 (E Arc); 9. Appy and Burt 1982 (Atl); 10. Arthur et al. 1982 (Pac); 11. Arthur 1983 (Pac); 12. McClelland et al. 1983a (Atl); 13. 1983b (Atl); 14. Arthur 1984 (Pac); 15. Bourgeois and Ni 1984 (Atl); 16. Pálsson and Beverley-Burton 1984 (Atl); 17. Houston and Haedrich 1986 (Atl); 18. Pálsson 1986 (Atl)

Remarks: According to Berland (1963), infective larvae of *Contracaecum* spp. and *Phocascaris* spp. from

marine fishes are morphologically inseparable and require experimental *in vitro* cultivation for verification. Berland's (1981) records were "... either *Contracaecum* sp. or *Phocascaris* sp. larva ..." Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada. Redkozubova (1978) did not list the individual hosts for this parasite, but it was said to be found in all flounders examined.

Hysterothylacium aduncum (Rudolphi, 1802) Deardorff and Overstreet, 1981 larva and adult (M)

Syn.: *Thynnascaris adunca* (Rudolphi, 1802) Hartwich, 1957

Sites: stomach, pyloric caeca, intestine, encapsulated on mesenteries of viscera

Hosts: *Alosa sapidissima* (38)

Anarhichas lupus (28)

Anoplopoma fimbria (21)

Atheresthes stomias (21)

Clupea harengus (23,26)

Clupea pallasii (2,3)

Coregonus sardinella (22)

Coryphaenoides rupestris (6)

Eopsetta jordani (1)

Errex zachirus (1)

Gadus morhua (8,13,14)

Glyptocephalus cynoglossus (5,13)

Hippoglossoides elassodon (1)

Hippoglossoides platessoides (5,13,25)

Hippoglossus hippoglossus (5)

Macrourus berglax (6)

Mallotus villosus (27)

Melanogrammus aeglefinus (7)

Merluccius albidus (31)

Merluccius bilinearis (31)

Merluccius productus (15)

Microstomus pacificus (21)

Nezumia bairdi (6)

Oncorhynchus gorbuscha (10,17)

Oncorhynchus keta (17,24)

Oncorhynchus kisutch (17)

Oncorhynchus nerka (17)

Pleuronectes vetulus (1,21)

Reinhardtius hippoglossoides (5,32,35,36,37)

Rhinochimaera atlantica (20)

Salmo salar (4)

Salvelinus alpinus (16,22,33)

Salvelinus fontinalis (29,30)

Salvelinus namaycush (16,22)

Sebastes fasciatus (19)

Sebastes mentella (19)

Sebastes nebulosus (34)

Sebastes norvegicus (19)

Theragra chalcogramma (9,11,18,21)

Urophycis chesterti (31)

Urophycis chuss (31)

Urophycis musicki (31)

Xiphias gladius (12)

Dist.: Pac, BC, NWT, NB, NB-b, NS, Nfld, Lab, Atl

Records: 1. Ronald 1959 (Pac); 2. Arthur and Arai 1980a (Pac); 3. 1980b (Pac); 4. Pippy 1980 (Atl, NS); 5. Zubchenko 1980 (Atl); 6. 1981 (Atl); 7. Scott 1981 (Atl); 8. Appy and Burt 1982 (Atl); 9. Arthur et al. 1982 (Pac); 10. Margolis 1982 (Nfld); 11. Arthur 1983 (Pac); 12. Hogans et al. 1983 (Atl); 13. McClelland et al. 1983a (Atl); 14. 1983b (Atl); 15. Sankurathri et al. 1983 (Pac); 16. Stewart and Bernier 1983 (NWT); 17. Anonymous 1984 (BC); 18. Arthur 1984 (Pac); 19. Bourgeois and Ni 1984 (Atl); 20. Hogans and Hurlbut 1984 (Atl); 21. Kabata and Whitaker 1984 (Pac); 22. Stewart and Bernier 1984 (NWT); 23. McGladdery and Burt 1985 (Atl); 24. Whitaker 1985 (Pac); 25. Zubchenko 1985 (Atl); 26. Chenoweth et al. 1986 (Atl); 27. Pálsson 1986 (Atl); 28. Bray 1987 (Atl); 29. Frimeth 1987a (NB); 30. 1987b (NB, NB-b); 31. Scott 1987 (Atl); 32. Wierzbicka 1988 (Atl); 33. Bouillon and Dempson 1989 (Lab); 34. Holmes 1990 (Pac); 35. Wierzbicka 1991a (Atl); 36. 1991b (Atl); 37. Krzykowski and Wierzbicka 1992 (Atl); 38. Hogans et al. 1993 (Atl, NS)

Remarks: Deardorff and Overstreet (1981) re-established the genus *Hysterothylacium*, with *H. brachyurum* as the type species, and considered the genus *Thynnascaris* a junior synonym of the genus *Hysterothylacium*. Margolis and Arthur (1979) listed previous Canadian records as *Thynnascaris adunca*. Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada.

Hysterothylacium analarum Rye and Baker, 1984 (FW)

Sites: larvae in nodular cysts in intestine; adults in lumen

Host: *Lepomis gibbosus*

Dist.: Ont

Records: Rye and Baker 1984; 1987; 1992

Hysterothylacium brachyurum Ward and Magath, 1917 larva

(FW)

Syn.: *Thynnascaris brachyura* (Ward and Magath, 1917) Margolis and Arthur 1979

Contracaecum brachyurum (Ward and Magath, 1917) Van Cleave and Mueller, 1934

Sites: encapsulated on mesenteries of viscera and liver

Hosts: *Ambloplites rupestris* (1)

Culaea inconstans (5)

Lota lota (2)

Noturus flavus (2)

Perca flavescens (1,3,4,5)

Salvelinus fontinalis (5)

Salvelinus fontinalis x *Salvelinus namaycush* (5)

Stizostedion vitreum vitreum (1)

Dist.: Ont

- Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar and Nepszy 1988; 5. Dechtiar et al. 1989
- Remarks: Deardorff and Overstreet (1981) re-established the genus *Hysterothylacium*, with *H. brachyurum* as the type species, and considered the genus *Thynnascaris* a junior synonym of the genus *Hysterothylacium*. Margolis and Arthur (1979) provided the synonymy for *Thynnascaris brachyura*, and listed previous Canadian records as *Thynnascaris brachyura*.
- Hysterothylacium brachyurum* Ward and Magath, 1917
adult (FW)
- Syns.: *Thynnascaris brachyura* (Ward and Magath, 1917) Margolis and Arthur 1979
Contracaecum brachyurum (Ward and Magath, 1917) Van Cleave and Mueller, 1934
- Sites: intestine, pyloric caeca.
- Hosts: *Ambloplites rupestris* (9,11)
Coregonus artedii (4,5)
Esox lucius (5,6,7,9,10,11,12)
Esox masquinongy (7,9)
Lepomis gibbosus (9)
Lota lota (1,8,11)
Micropterus dolomieu (9,10,12)
Perca flavescens (2)
Percopsis omiscomaycus (10)
Salvelinus fontinalis (11,13)
Salvelinus fontinalis × *Salvelinus namaycush* (3,10,13)
Salvelinus malma (1,8)
Stizostedion vitreum vitreum (2,9,10)
- Dist.: BC, Man, Ont
- Records: 1. Anonymous 1978 (BC); 2. Anthony 1978b (Ont); 3. Dechtiar and Berst 1978 (Ont); 4. Watson, cited in Lubinsky and Loch 1979 (Man); 5. Watson and Dick 1979 (Man); 6. 1980 (Man); 7. Anthony 1983 (Ont); 8. Arai and Mudry 1983 (BC); 9. Dechtiar and Christie 1988 (Ont); 10. Dechtiar et al. 1988 (Ont); 11. Dechtiar and Lawrie 1988 (Ont); 12. Dechtiar and Nepszy 1988 (Ont); 13. Dechtiar et al. 1989 (Ont)
- Remarks: Deardorff and Overstreet (1981) re-established the genus *Hysterothylacium*, with *H. brachyurum* as the type species, and considered the genus *Thynnascaris* a junior synonym of the genus *Hysterothylacium*. Margolis and Arthur (1979) provided the synonymy for *Thynnascaris brachyura*, and listed previous Canadian records as *Thynnascaris brachyura*.
- Hysterothylacium corrugatum* Deardorff and Overstreet, 1981 (M)
- Site: stomach
Host: *Xiphias gladius*
Dist.: Atl
Record: Hogans et al. 1983
- Hysterothylacium incurvum* (Rudolphi, 1819) Deardorff and Overstreet, 1981 (M)
- Syn.: *Thynnascaris incurva* (Rudolphi, 1819) Dollfus, 1935
- Site: stomach
Host: *Xiphias gladius*
Dist.: Atl
Record: Hogans et al. 1983
- Remarks: The synonymy is according to Deardorff and Overstreet (1981). Margolis and Arthur (1979) listed previous Canadian records as *Thynnascaris incurva*.
- Hysterothylacium magnum* (Smedley, 1934) Deardorff and Overstreet, 1981 (M)
- Syns.: *Thynnascaris magna* (Smedley, 1934) Margolis and Arthur, 1979
Contracaecum magnum Smedley, 1934
- Remarks: The synonymy is according to Margolis and Arthur (1979), who listed a previous Canadian record as *Thynnascaris magna*. Deardorff and Overstreet (1981) considered the genus *Thynnascaris* a junior synonym of the genus *Hysterothylacium* and listed the species as *H. magnum* n.comb. The validity of this species requires re-assessment.
- Hysterothylacium melanogrammi* (Smedley, 1934) Deardorff and Overstreet, 1981 (M)
- Syns.: *Thynnascaris melanogrammi* (Smedley, 1934) Margolis and Arthur, 1979
Contracaecum melanogrammi Smedley, 1934
- Remarks: The synonymy is according to Margolis and Arthur (1979), who listed a previous Canadian record as *Thynnascaris melanogrammi*. Deardorff and Overstreet (1981) considered the genus *Thynnascaris* a junior synonym of the genus *Hysterothylacium* and listed the species as *H. melanogrammi* n.comb. The validity of this species requires re-assessment.
- Hysterothylacium reliquens* (Norris and Overstreet, 1975) Deardorff and Overstreet, 1981 (M)
- Site: stomach
Host: *Xiphias gladius*
Dist.: Atl
Record: Hogans et al. 1983
- Hysterothylacium* spp. larva or adult (FW,M)
- Syn.: *Thynnascaris* sp. larva
- Sites: encapsulated on visceral mesenteries, or in digestive tract
- Hosts: *Alosa aestivalis* (7,11)
Alosa pseudoharengus (7,11)
Catostomus columbianus (4)
Coregonus clupeaformis (4)
Coryphaenoides rupestris (1)
Cottunculus microps (6)
Cottus aleuticus (4)
Culaea inconstans (10)
Fundulus diaphanus (9)

- Gadus morhua* (3,8)
Gasterosteus aculeatus (9)
Lepomis macrochirus (9)
Lycodes esmarki (6)
Lycodon mirabilis (6)
Macrourus berglax (6)
Mallotus villosus (5)
Melanogrammus aeglefinus (8)
Merluccius bilinearis (8)
Morone americana (9)
Nezumia bairdi (6)
Oncorhynchus mykiss (4)
Oncorhynchus nerka (4)
Pollachius virens (8)
Prosopium williamsoni (4)
Ptychocheilus oregonensis (4)
Salvelinus fontinalis (2)
Salvelinus malma (4)
Scomber scombrus (8)
Sebastes sp. (8)
Synphobranchus kaupi (6)
Pleuronectidae gen.sp. (8)
- Dist.: BC, Ont, Que, NB, Atl
- Records: 1. Szuks 1980 (Atl); 2. Black 1981 (Que); 3. Appy and Burt 1982 (Atl); 4. Anonymous 1984 (BC); 5. Pálsson and Beverley-Burton 1984 (Atl); 6. Houston and Haedrich 1986 (Atl); 7. Landry et al. 1986 (NB); 8. Morrison et al. 1986 (Atl); 9. Dechtiar and Christie 1988 (Ont); 10. Dechtiar et al. 1988 (Ont); 11. Landry et al. 1992 (Atl)
- Remarks: Deardorff and Overstreet (1981) re-established the genus *Hysterothylacium*, with *H. brachyurum* as the type species, and considered the genus *Thynnascaris* a junior synonym of the genus *Hysterothylacium*.
- Pseudoterranova decipiens* (Krabbe, 1878) Gibson, 1983 larva (M)
- Syns: *Terranova decipiens* (Krabbe, 1878) Mozgovoi, 1953
- Phocanema decipiens* (Krabbe, 1878) Meyers, 1959
- Sites: encapsulated in musculature or on visceral mesenteries
- Hosts: *Alosa aestivalis* (50)
Alosa pseudoharengus (50)
Anarhichas lupus (11,41)
Anoplopoma fimbria (25)
Apeltes quadracus (51,52)
Aspidophoroides monopterygius (41)
Atheresthes stomias (25)
Boreogadus saida (46)
Brosme brosme (41)
Cyclopterus lumpus (41)
Eumicrotremus spinosus (41)
Gadus morhua (1,2,3,4,5,6,7,8,9,10,13,16,19,20,24,26,27,29,31,32,34,35,36,37,41,42,44,45,46,47,53,55,56,57,58)
- Gadus ogac* (46)
Gasterosteus aculeatus (52)
Glyptocephalus cynoglossus (19,20,27,41)
Hemitripterus americanus (35,37,41,44,45,53)
Hippoglossoides platessoides (11,19,20,27,28,30,41,45,53)
Hippoglossus hippoglossus (41)
Hippoglossus stenolepis (59)
Lophius americanus (41)
Lycodes vahli (41)
Macrozoarces americanus (41)
Melanogrammus aeglefinus (19,20,41,45,53)
Merluccius bilinearis (41)
Merluccius productus (21)
Microstomus pacificus (25)
Myoxocephalus octodecemspinosus (41,45,53)
Myoxocephalus scorpius (22,46)
Nezumia bairdi (12)
Oncorhynchus mykiss (42,43,47,58)
Osmerus mordax (18,33,35,38,39,40,44)
Peprilus triacanthus (41)
Pollachius virens (41,46)
Pleuronectes americanus (41,45)
Pleuronectes ferrugineus (20,27,41,45,53)
Raja radiata (41)
Reinhardtius hippoglossoides (15,46,48,49,54)
Salvelinus fontinalis (37)
Scophthalmus aquosus (41,45,53)
Sebastes fasciatus (41)
Sebastes mentella (41)
Theragra chalcogramma (14,17,23,25)
Urophycis chesteri (41)
Urophycis chuss (41)
Urophycis musicki (41)
Pleuronectidae gen.sp. (29)
- Dist.: Pac, NS, Atl, E Arc
- Records: 1. McClelland 1976 (Atl); 2. Goil and Harpur 1978 (Atl); 3. Odense (Atl); 4. Davey 1979 (Atl); 5. Goil and Harpur 1979 (Atl); 6. Cain and Raj 1980 (Atl); 7. Croll et al. 1980 (Atl); 8. McClelland 1980a (Atl); 9. 1980b (Atl); 10. 1980c (Atl); 11. Zubchenko 1980 (Atl); 12. 1981 (Atl); 13. Appy and Burt 1982 (Atl); 14. Arthur et al. 1982 (Pac); 15. Khan et al. 1982 (Atl); 16. McClelland 1982 (exper); 17. Arthur 1983 (Pac); 18. Fréchet et al. 1983 (Atl); 19. McClelland et al. 1983a (Atl); 20. 1983b (Atl); 21. Sankurathri et al. 1983 (Pac); 22. Stewart and Bernier 1983 (E Arc); 23. Arthur 1984 (Pac); 24. Davey and Goh 1984 (Atl); 25. Kabata and Whitaker 1984 (Pac); 26. Goh and Davey 1985 (Atl); 27. McClelland et al. 1985 (Atl); 28. Zubchenko 1985a (Atl); 29. Morrison et al. 1986 (Atl); 30. McClelland et al. 1987 (Atl); 31. Bratley 1988 (Atl); 32. Chandra and Khan 1988 (Atl); 33. Landry 1989 (Atl); 34. Likely and Burt 1989 (Atl); 35. Appleton and Burt 1990 (Atl); 36. Bratty et al. 1990 (Atl); 37. Burt et al. 1990 (Atl, exper); 38. Landry 1990a (Atl); 39. 1990b (Atl); 40. Landry and Hare 1990 (Atl); 41. McClelland et al.

1990 (Atl); 42. Ramakrishna and Burt 1990 (Atl, exper); 43. Smith et al. 1990 (exper); 44. Appleton and Burt 1991 (Atl); 45. Marcogliese 1991 (Atl); 46. Paggi et al. 1991 (Atl); 47. Ramakrishna and Burt 1991 (Atl, exper); 48. Arthur and Albert 1992a (Atl); 49. 1992b (Atl); 50. Landry et al. 1992 (Atl); 51. Marcogliese 1992a (NS); 52. 1992b (NS); 53. Marcogliese and McClelland 1992 (Atl); 54. Arthur and Albert 1993 (Atl); 55. Dixon et al. 1993 (Atl); 56. Fusé et al. 1993a (Atl); 57. 1993b (Atl); 58. Ramakrishna et al. 1993 (Atl, exper); 59. Tremble et al. 1993 (Pac)

Remarks: The synonymy is according to Anderson (1992). Margolis and Arthur (1979) listed previous Canadian records as *Phocanema decipiens* larva. Bowen (1990) provided a review of sealworm (*P. decipiens*) research in Atlantic Canada.

Pseudoterranova spp. larva (M)

Syns.: *Phocanema* sp. larva
Terranova sp. larva

Sites: encapsulated on mesenteries, musculature

Hosts: *Atheresthes stomias* (1)
Gadus morhua (2)
Osmerus mordax (3)
Sebastes flavidus (4,5)

Dist.: Pac, Atl

Records: 1. Kovalenko 1969 (Pac); 2. Kates et al. 1973 (Atl); 3. Threlfall 1981 (Atl); 4. Lee et al. 1990 (Pac); 5. Stanley et al. (Pac)

Remarks: Previous Canadian records of larval nematodes identified as *Terranova* sp. auctorum and *Porrocaecum* sp. auctorum were listed by Margolis and Arthur (1979) as *Phocanema* sp. larva. The genus *Phocanema* was synonymized with the genus *Pseudoterranova* by Gibson and Colin (1982). Therefore, all records subsequent to Margolis and Arthur (1979) pertaining to these larvae are herein listed as *Pseudoterranova* sp. larva.

Raphidascaris acus (Bloch, 1779) Railliet and Henry 1915 larva (FW)

Sites: viscera, liver

Hosts: *Ambloplites rupestris* (7,14)
Catostomus commersoni (11)
Coregonus clupeaformis (13)
Cottus bairdi (13)
Esox lucius (10,11)
Etheostoma caeruleum (8)
Etheostoma exile (11)
Etheostoma nigrum (8)
Fundulus diaphanus (11)
Ictalurus punctatus (7)
Lepomis gibbosus (16)
Lota lota (12)
Morone chrysops (15)
Notemigonus crysoleucas (11)
Notropis heterolepis (11)

Perca flavescens (3,4,6,8,9,11,13,14,15, 16,17,18)

Pinephales notatus (11)
Pinephales promelas (11)
Ptychocheilus oregonensis (1,5)
Pungitius pungitius (2)
Salvelinus namaycush (2)
Stizostedion vitreum vitreum (9)
Umbra limi (11)

Dist.: BC, Alta, Man, Ont

Records: 1. Anonymous 1978 (BC); 2. Leong and Holmes 1981 (Alta); 3. Smith and Anderson 1981 (Ont); 4. 1982 (Ont); 5. Arai and Mudry 1983 (BC); 6. Poole and Dick 1984 (Man); 7. Smith 1984a (Ont); 8. 1984b (Ont, exper); 9. Poole and Dick 1986 (Man); 10. Shostak and Dick 1986 (Man); 11. Smith 1986 (Ont); 12. Anthony 1987 (Ont); 13. Dechtiar et al. 1988 (Ont); 14. Dechtiar and Lawrie 1988 (Ont); 15. Dechtiar and Nepszy 1988 (Ont); 16. Dechtiar et al. 1989 (Ont); 17. Szalai and Dick 1991a (Man); 18. 1992 (Man)

Raphidascaris acus (Bloch, 1779) Railliet and Henry, 1915 adult (FW)

Syns.: *Raphidascaris alius* Lyster, 1940
Raphidascaris canadensis Smedley, 1933
Raphidascaris laurentianus Richardson, 1937

Site: intestine

Hosts: *Catostomus catostomus* (11)
Coregonus clupeaformis (10,11)
Esox lucius (1,2,3,4,5,6,7,8,9,10,11, 12,14,16,17,19,20,21,23)
Esox masquinongy (9,18)
Lota lota (11)
Micropterus dolomieu (11)
Oncorhynchus gorbuscha (15)
Oncorhynchus mykiss (12)
Perca flavescens (4,10,13,17,22)
Salvelinus fontinalis (11,12)
Stizostedion vitreum vitreum (4,11,13,14)

Dist.: Alta, Man, Ont, Que, Lab

Records: 1. Chinniah and Threlfall 1978 (Lab); 2. Gordon et al. 1978 (Que); 3. Thompson and Threlfall 1978 (Que); 4. Dickson, McLeod, Stewart-Hay, all cited in Lubinsky and Loch 1979 (Man); 5. Kinnis and Curtis 1981 (Que); 6. Leong and Holmes 1981 (Alta); 7. Smith and Anderson 1981 (Ont); 8. 1982 (Ont); 9. Anthony 1983 (Ont); 10. McAllister and Mudry 1983 (Alta); 11. Smith 1984a (Ont, Que); 12. 1984b (Ont, exper); 13. Poole and Dick 1985 (Man); 14. 1986 (Man); 15. Anthony 1986 (Ont); 16. Shostak and Dick 1986 (Man); 17. Smith 1986 (Ont); 18. Dechtiar and Christie 1988 (Ont); 19. Dechtiar et al. 1988 (Ont); 20. Shostak and Dick 1989a (Man); 21. Szalai and Dick 1989 (Man); 22. 1991a (Man); 23. 1992 (Man)

Remarks: The synonymy is according to Smith (1984a). Margolis and Arthur (1979) listed previous Canadian

records for *Raphidascaris acus*, *Raphidascaris alius*, and *Raphidascaris laurentianus*.

- Raphidascaris* spp. larva or adult (FW)
Sites: liver, digestive tract, musculature
Hosts: *Acipenser fulvescens* (12,13)
Coregonus artedii (5)
Coregonus clupeaformis (3,4,5,8)
Esox lucius (4,6,8)
Morone chrysops (9)
Perca flavescens (2,4)
Salmo salar (1,7)
Salvelinus fontinalis (3,10,11)
Salvelinus namaycush (3)
Stizostedion vitreum vitreum (2,4)
Dist.: Alta, Man, Ont, NB, NB-b, Lab
Records: 1. Hare 1975 (NB); 2. Anthony 1978b (Ont); 3. Chinniah and Threlfall 1978 (Lab); 4. McLeod, Stewart-Hay, Watson, all cited in Lubinsky and Loch 1979 (Man); 5. Watson and Dick 1979 (Man); 6. 1980 (Man); 7. Pippy 1980 (NB); 8. McAllister and Mudry 1983 (Alta); 9. Anthony 1984 (Ont); 10. Frimeth 1987a (NB); 11. 1987b (NB, NB-b); 12. Choudhury et al. 1990 (Man); 13. Choudhury and Dick 1993 (Sask, Man)

Unidentified Ascaridoidea

- Anisakidae gen.spp. larva (M)
Sites: mesentery; serosal surfaces of body cavity
Hosts: *Clupea harengus* (1)
Gadus morhua (3)
Hippoglossus hippoglossus (7)
Pollachius virens (5)
Prosopium williamsoni (4)
Reinhardtius hippoglossoides (7,8,9)
Sebastes fasciatus (6)
Sebastes norvegicus (2)
Dist.: BC, Atl
Records: 1. Sindermann 1959 (Atl); 2. 1961 (Atl); 3. Appy and Burt 1982 (Atl); 4. Anonymous 1984 (BC); 5. Scott 1985a (Atl); 6. 1988 (Atl); 7. Scott and Bray 1989 (Atl); 8. Arthur and Albert 1992b (Atl); 9. 1993 (Atl)

Superfamily SEURATOIDEA Family CUCULLANIDAE

- Cucullanellus cotylophora* (Ward and Magath, 1917)
Petter, 1974 (FW)
Site: intestine
Hosts: *Aplodinotus grunniens* (1)
Lepomis gibbosus (6)
Lota lota (5)

Luxilus cornutus (3)
Micropterus dolomieu (6,9)
Morone americana (6)
Morone chrysops (4)
Perca flavescens (2,3,6,7,8,9)
Stizostedion vitreum vitreum (6)

- Dist.: Ont, Que
Records: 1. Anthony 1982 (Ont); 2. Baker 1984a (Ont, Que); 3. 1984b (Ont,exper); 4. Anthony 1984 (Ont); 5. 1987 (Ont); 6. Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9. Dechtiar and Nepszy 1988 (Ont)

Cucullanellus kanabus Walder and Arai, 1974 (M)

- Site: [intestine]
Host: *Cymatogaster aggregata*
Dist.: Pac
Record: Arai et al. 1988

Cucullanus annulatus Margolis, 1960 (M)

- Site: intestine
Hosts: *Microstomus pacificus*
Pleuronectes vetulus
Dist.: Pac
Record: Kabata and Whitaker 1984

Cucullanus cirratus O. F. Müller, 1777 (M)

- Sites: intestine, stomach
Hosts: *Gadus morhua* (2)
Hippoglossus hippoglossus (5)
Melanogrammus aeglefinus (1)
Pollachius virens (3)
Urophycis musicki (4)
Dist.: Atl
Records: 1. Scott 1981; 2. Appy and Burt 1982; 3. Scott 1985a; 4. 1987; 5. Scott and Bray 1989

Cucullanus elongatus Smedley, 1933 (M)

- Site: intestine
Hosts: *Ophiodon elongatus* (1)
Sebastes nebulosus (2)
Dist.: Pac
Records: 1. Berland 1983; 2. Holmes 1990

Cucullanus spp. (M,FW)

- Site: intestine
Hosts: *Perca flavescens* (2)
Pleuronectes vetulus (1)
Dist.: Pac, Ont
Records: 1. Ronald 1959 (Pac); 2. Anthony 1978b (Ont)
Remarks: Ronald (1959) did not report the locality of collection, but the record is based on material collected by L. Margolis from the Pacific coast of Canada.

Truttaedacnitis clitellarius (Ward and Magath, 1916) Petter, 1974 (FW)

Syn.: *Cucullanus clitellarius* Ward and Magath, 1916

Site: intestine

Host: *Acipenser fulvescens* (1,2,3,4)

Dist.: Sask, Man, Ont

Records: 1. Dechtiar and Christie 1988 (Ont); 2. Dechtiar and Lawrie 1988 (Ont); 3. Choudhury et al. 1990 (Man, Sask); 4. Choudhury and Dick 1993 (Sask, Man)

Remarks: The synonymy is according to Petter (1974).

Truttaedacnitis pybusae Anderson, 1992 (FW)

Syn.: *Truttaedacnitis stelmaoides* of Pybus et al. 1978.

Sites: larvae in liver of ammocoetes; adult in intestine of mature lamprey

Host: *Lampetra lamotteni*

Dist.: Ont

Record: Pybus et al. 1978a, 1978b

Remarks: The synonymy is according to Anderson (1992).

Truttaedacnitis sphaerocephala (Rudolphi, 1809) Petter, 1974 (FW)

Site: spiral valve intestine

Host: *Acipenser oxyrinchus*

Dist.: NB-b

Record: Appy and Dadswell 1978

Truttaedacnitis truttiae (Fabricius, 1794) Petter, 1974 (FW)

Syn.: *Bulbodacnitis alpinus* Mudry and McCart, 1974
Bulbodacnitis truttiae (Fabricius, 1794) Maggenti, 1971

Sites: intestine, pyloric caeca

Hosts: *Coregonus clupeaformis* (3)

Oncorhynchus mykiss (1,2,3,4,5,6)

Oncorhynchus nerka (2,3)

Prosopium williamsoni (1,2,3,5)

Ptychocheilus oregonensis (2,3)

Salvelinus fontinalis (7,8)

Salvelinus mahna (1,2,3,5)

Salvelinus namaycush (1,3,5)

Dist.: BC, NB

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Russell 1980 (BC); 5. Arai and Mudry 1983 (BC); 6. Dunn et al. 1983 (BC); 7. Frimeth 1987a (NB); 8. 1987b (NB)

Remarks: Petter (1974) created the genus *Truttaedacnitis* with *Bulbodacnitis truttiae* as the type species. Moravec and Nagasawa (1989) synonymized *Bulbodacnitis alpinus* with *Truttaedacnitis truttiae* (as *Cucullanus (Truttaedacnitis) truttiae*). Margolis and Arthur (1974) listed previous Canadian records for both *Truttaedacnitis alpinus* and *Truttaedacnitis truttiae*.

Family QUIMPERIIDAE

Haplonema hamulatum Moulton, 1931 (FW)

Site: intestine

Hosts: *Lota lota* (1,2,3,4,5,6,7)

Oncorhynchus mykiss (1,5)

Prosopium williamsoni (1,5)

Salvelinus mahna (1,5)

Dist.: BC, Alta, Ont

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Leong and Holmes 1981 (Alta); 5. Arai and Mudry 1983 (BC); 6. Dechtiar et al. 1988 (Ont); 7. Dechtiar and Lawrie 1988 (Ont)

Paraquimperia tenerrima (Linstow, 1878) Baylis, 1924 (FW)

Site: intestine

Host: *Anguilla rostrata*

Dist.: NS

Record: Cone et al. 1993

Unidentified Seuratoidea

Seuratiinae gen.sp. larva (M)

Site: [digestive tract]

Host: *Salvelinus fontinalis*

Dist.: Que-b

Record: Black 1981

ORDER OXYURIDA Superfamily OXYUROIDEA

Oxyuroidea gen.sp. larva (M)

Site: gill washings

Host: *Clupea pallasii*

Dist.: Pac

Record: Arthur and Arai 1980a

ORDER SPIRURIDA SUBORDER CAMALLANINA Superfamily CAMALLANOIDEA Family CAMALLANIDAE

Canallanus ancyloides Ward and Magath, 1916 (FW)

Site: intestine

Host: *Carpiodes cyprinus*

Dist.: Ont

Record: Dechtiar and Nepszy 1988

Camallanus oxycephalus Ward and Magath, 1917 larva and adult (FW)

Site: intestine

Hosts: *Ambloplites rupestris* (1)
Aplodinotus grunniens (4)
Carpionodes cyprinus (4)
Esox lucius (1)
Etheostoma exile (1)
Fundulus diaphanus (1)
Lepomis gibbosus (1)
Lepomis macrochirus (1)
Micropterus dolomieu (1,2,3,4,5)
Morone chrysops (4)
Notemigonus crysoleucas (1)
Oncorhynchus kisutch (1)
Perca flavescens (4)
Percina caprodes (1)
Pomoxis nigromaculatus (1)
Stizostedion vitreum vitreum (4)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar and Nepszy 1988; 5. Dechtiar et al. 1989

Oncophora melanocephala Rudolphi, 1819 (M)

Site: stomach

Host: *Xiphias gladius*

Dist.: Atl

Record: Hogans et al. 1983

Superfamily DRACUNCULOIDEA Family GUYANEMIDAE

Pseudodelphis oligocotti Adamson and Roth, 1990 (M)

Site: peritoneal cavity in mesentery surrounding intestine

Host: *Oligocottus maculosus*

Dist.: Pac

Record: Adamson and Roth 1990

Family PHILOMETRIDAE

Clavinema mariae (Layman, 1930) Yamaguti, 1935 (M,FW)

Syn.: *Philometra americana* Kuitunen-Ekbaum, 1933

Sites: subcutaneously in fins, musculature

Hosts: *Cottus asper* (3)

Platichthys stellatus (1,2)

Pleuronectes vetulus (1)

Dist.: Pac, BC

Records: 1. Ronald 1959 (Pac); 2. Lewis 1978 (Pac); 3. Margolis and Moravec 1987 (BC)

Remarks: The synonymy is according to Margolis and Moravec (1987). Margolis and Arthur (1979) listed previous Canadian records as *Philometra americana*. Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada.

Ichthyofilaria canadensis Appy, Anderson, and Khan, 1985 (M)

Sites: mesentery and surface of liver

Hosts: *Lycodes lavalaei* (1)

Lycodes vahli (1)

Dist.: Atl

Record: Appy et al. 1985

Philometra cylindracea (Ward and Magath, 1917) Van Cleave and Mueller, 1934 (FW)

Site: body cavity

Host: *Perca flavescens*

Dist.: Ont

Records: Dechtiar and Christie 1988; Dechtiar et al. 1988; Dechtiar and Nepszy 1988

Philometra kobuleji Molnar and Fernando, 1975 (FW)

Sites: body cavity, peritoneum of swim bladder

Host: *Catostomus commersoni*

Dist.: Ont

Record: Molnar et al. 1982

Philometra rubra Leidy, 1856 (FW)

Sites: body cavity, peritoneum

Host: *Morone saxatilis*

Dist.: NB

Record: Hogans 1984

Philometra spp. (FW)

Sites: body cavity, gills, blood vessels, eyes

Hosts: *Aplodinotus grunniens* (3)

Catostomus commersoni (1,4)

Hypentelium nigricans (1)

Micropterus salmoides (2)

Prosopium cylindraceum (4)

Dist.: Ont

Records: 1. Mackie et al. 1983; 2. Dechtiar and Christie 1988; 3. Dechtiar and Nepszy 1988; 4. Dechtiar et al. 1989

Philometroides huronensis Uhazy, 1976 (FW)

Sites: fins, peritoneum of swim bladder

Hosts: *Catostomus catostomus* (3,5)

Catostomus commersoni (1,2,3,4,5,6)

Catostomus macrocheilus (3,5)

Dist.: BC, Ont

Records: 1. Uhazy 1977 (Ont); 2. 1978 (Ont); 3. Anonymous 1978 (BC); 4. Molnar et al. 1982 (Ont); 5. Arai and Mudry 1983 (BC); 6. Mackie et al. 1983 (Ont)

Philometroides nodulosa (Thomas, 1929) Dailey, 1967 (FW)
 Syn.: *Philometra nodulosa* Thomas, 1929
 Sites: subcutaneous tissue of head, eyeball, fins, skin
 Hosts: *Carpionodes cyprinus* (4)
 Catostomus catostomus (3)
 Catostomus commersoni (1,2,3,4,5)
 Dist.: Ont
 Records: 1. Molnar et al. 1982; 2. Dechtiar and Christie 1988; 3. Dechtiar et al. 1988; 4. Dechtiar and Nepszy 1988; 5. Dechtiar et al. 1989
 Remarks: The synonymy is according to Dailey (1967).

Philonema agubernaculum Simon and Simon, 1936 (FW)
 Sites: swimbladder, body cavity
 Hosts: *Coregonus artedii* (5)
 Coregonus clupeaformis (10)
 Oncorhynchus kisutch (5)
 Oncorhynchus mykiss (1,3,8,10,20)
 Oncorhynchus nerka (3,10,13,15,16,18)
 Prosopium williamsoni (1,3,8,10)
 Salmo salar (19)
 Salvelinus alpinus (2,4,6,7,9,11,12,14,17)
 Salvelinus fontinalis (19)
 Salvelinus malma (3,10)
 Salvelinus namaycush (9,10,14)
 Dist.: Pac, BC, Alta, NWT, Que, Nfld, Lab
 Records: 1. Anonymous 1978 (BC); 2. Curtis 1979 (NWT); 3. Anonymous 1981 (BC); 4. Dick and Belosevic 1981 (NWT); 5. Leong and Holmes 1981 (Alta); 6. Curtis 1982 (NWT); 7. Stewart and Bernier 1982 (NWT); 8. Arai and Mudry 1983 (BC); 9. Stewart and Bernier 1983 (NWT); 10. Anonymous 1984 (BC); 11. Curtis 1984 (NWT, Que); 12. Dick 1984 (NWT); 13. Groot et al. 1984 (BC); 14. Stewart and Bernier 1984 (NWT); 15. Bailey and Margolis 1987 (BC); 16. Bailey, Margolis, and Groot 1988 (Pac); 17. Bouillon and Dempson 1989 (Lab); 18. Groot et al. 1989 (Pac); 19. Marcogliese and Cone 1991 (Nfld); 20. Adamson et al. 1992 (BC)

Philonema oncorhynchi Kuitunen-Ekbaum, 1933 (FW)
 Sites: swimbladder, body cavity
 Hosts: *Carassius auratus* (3)
 Oncorhynchus gorbusha (8)
 Oncorhynchus mykiss (3)
 Oncorhynchus nerka (3,4,5,6,7,9,10,11,12)
 Oncorhynchus tshawytscha (1,2)
 Dist.: Pac, BC, Ont
 Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. Bashirullah 1983 (exper); 4. Bashirullah and Adams 1983 (BC); 5. Groot et al. 1984 (BC); 6. Bailey and Margolis 1987 (BC); 7. Bailey, Margolis, and Groot 1988 (Pac); 8. Dechtiar and Lawrie 1988 (Ont); 9. Groot et al. 1989 (Pac); 10. Wood, Rutherford, and McKinnell 1989 (Pac); 11. Garnick and Margolis 1990 (BC); 12. Adamson et al. 1992 (BC)

Philonema spp. (FW)
 Site: body cavity
 Hosts: *Coregonus clupeaformis* (1,2)
 Oncorhynchus mykiss (1,2)
 Oncorhynchus nerka (1,2)
 Prosopium williamsoni (1,2)
 Salvelinus malma (1,2)
 Thymallus arcticus (1,2)
 Dist.: BC
 Records: 1. Anonymous 1978; 2. Arai and Mudry 1983

Superfamily GNATHOSTOMATOIDEA
 Family GNATHOSTOMATIDAE

Spiroxys spp. larva (FW)
 Site: encapsulated on mesenteries of viscera
 Hosts: *Ambloplites rupestris* (1)
 Ameiurus nebulosus (1)
 Culaea inconstans (5)
 Lepisosteus osseus (1)
 Luxilus cornutus (5)
 Micropterus dolomieu (4)
 Morone chrysops (4)
 Notropis heterolepis (2)
 Phoxinus neogaeus (5)
 Rhinichthys cataractae (3)
 Semotilus atromaculatus (5)
 Umbra limi (1,2)
 Dist.: Ont
 Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar and Nepszy 1988; 5. Dechtiar et al. 1989

SUBORDER SPIRURINA
 Superfamily HABRONEMATOIDEA
 Family CYSTIDICOLIDAE

Ascarophis arctica Polyansky, 1952 (M)
 Sites: stomach, intestine
 Hosts: *Gadus morhua* (1,4)
 Hemiripiterus americanus (1)
 Hippoglossoides platessoides (5)
 Macrozoarces americanus (1)
 Melanogrammus aeglefinus (1,2,3)
 Merluccius bilinearis (1)
 Microgadus tomcod (1)
 Osmerus mordax (1)
 Pholis gunnelus (1)
 Pleuronectes americanus (1)
 Urophycis musicki (1)
 Dist.: Atl
 Records: 1. Appy 1981; 2. Scott 1981; 3. 1982; 4. Appy and Burt 1982; 5. Zubchenko 1985a

- Ascarophis extalicola* Appy, 1981 (M)
 Site: intestine
 Hosts: *Gadus morhua* (1,2)
Myoxocephalus octodecemspinosis (1)
 Dist.: Atl
 Records: 1. Appy 1981; 2. Appy and Burt 1982
- Ascarophis filiformis* Polyansky, 1952 (M)
 Site: stomach
 Hosts: *Gadus morhua* (1,2,3)
Liparis dennyi (4)
 Dist.: Pac, Atl
 Records: 1. Redkozubova 1976 (Atl); 2. Appy 1981 (Atl); 3. Appy and Burt 1982 (Atl); 4. Ko 1986 (Pac)
- Ascarophis morrhuae* van Beneden, 1871 (M)
 Sites: stomach, pyloric caeca, intestine
 Hosts: *Alosa sapidissima* (2)
Anarrhichas lupus (1)
Glyptocephalus cynoglossus (1)
 Dist.: Atl
 Records: 1. Zubchenko 1980; 2. Hogans et al. 1993
- Ascarophis Sebastodis* Olsen, 1952 (M)
 Site: intestine
 Hosts: *Microstomus pacificus* (1)
Oncorhynchus kisutch (2)
Pleuronectes vetulus (1)
Sebastes caurinus (2)
Sebastes nebulosus (3)
 Dist.: Pac
 Records: 1. Kabata and Whitaker 1984; 2. Ko 1986; 3. Holmes 1990
 Remarks: After re-examination of some of H.P. Arai's (1969) material, Ko (1986) concluded that the specimens from *Nautichthys oculofasciatus* are not *Ascarophis Sebastodis*. Margolis and Arthur (1979) listed this fish as a Canadian host for *A. Sebastodis*.
- Ascarophis* spp. (M)
 Sites: stomach, intestine
 Hosts: *Cottus aleuticus* (4)
Gadus macrocephalus (4)
Hexagrammos decagrammus (4)
Merluccius productus (3)
Nautichthys oculofasciatus (4)
Oncorhynchus gorbuscha (1,2)
 Dist.: Pac, BC
 Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Sankurathri et al. 1983 (Pac); 4. Ko 1986 (Pac, BC)
- Caballeronema wardlei* (Smedley, 1934) Margolis, 1977 (M)
 Site: [intestine, pyloric caeca]
 Host: *Sebastes nebulosus*
 Dist.: Pac
 Record: Holmes 1990
- Capillospirura pseudoargumentosus* (Appy and Dadswell, 1978) Appy and Anderson, 1982 (M)
 Syn.: *Caballeronema pseudoargumentosus* Appy and Dadswell, 1978
 Site: mucosal lining of gizzard
 Hosts: *Acipenser brevirostrum* (1,2,3,4)
Acipenser oxyrinchus (3)
Oncorhynchus mykiss (4)
 Dist.: Atl
 Records: 1. Appy and Dadswell 1978; 2. 1980; 3. Appy and Anderson 1982; 4. Appy and Dadswell 1983
 Remarks: The synonymy is according to Appy and Anderson (1982).
- Cystidicola farionis* Fischer, 1798 (FW)
 Sites: swim bladder, mesenteries, body cavity
 Hosts: *Coregonus artedii* (3,8,10,18,20,21)
Coregonus clupeaformis (3,5,6,8,10,12,13,15,18,19,20,21)
Coregonus hoyi (3,8,21)
Coregonus nigripinnis (8)
Oncorhynchus gorbuscha (8,21)
Oncorhynchus kisutch (8,10,20,21)
Oncorhynchus mykiss (7,8,9,12,15,20,21)
Oncorhynchus tshawytscha (8)
Osmerus mordax (3,8,19,20,21)
Prosopium cylindraceum (1,8,20,21)
Prosopium williamsoni (2,9,11,12,15)
Salmo trutta (8)
Salvelinus alpinus (14,16,17)
Salvelinus fontinalis (8)
Salvelinus fontinalis × *Salvelinus namaycush* (3,8,20)
Salvelinus malma (2,9,11,12,15)
Salvelinus namaycush (2,8,11,12,15)
 Salmonidae gen.sp. (4)
 Dist.: BC, YT, Alta, Sask, Man, NWT, Ont, Que
 Records: 1. Rawson 1959 (Sask); 2. Anonymous 1978 (BC); 3. Dechtiar and Berst 1978 (Ont); 4. Smith and Lankester 1979 (Ont); 5. Dickson, Stewart-Hay, Watson, all cited by Lubinsky and Loch 1979 (Man); 6. Watson and Dick 1979 (Man); 7. Black and Lankester 1980 (exper); 8. Lankester and Smith 1980 (Ont); 9. Anonymous 1981 (BC); 10. Leong and Holmes 1981 (Alta); 11. Arai and Mudry 1983 (BC); 12. Black 1983 (BC, YT, NWT, Que, Ont); 13. McAllister and Mudry 1983 (Alta); 14. Stewart and Bernier 1983 (NWT); 15. Anonymous 1984 (BC); 16. Black 1984 (NWT); 17. Stewart and Bernier 1984 (NWT); 18. Dextrase and Lankester 1987 (Ont); 19. Dechtiar and Christie 1988 (Ont); 20. Dechtiar et al. 1988 (Ont); 21. Dechtiar and Lawrie 1988 (Ont)
 Remarks: All Canadian reports of *Cystidicola stigmatura* published prior to the taxonomic revision of North American species of *Cystidicola* by Black (1983a) are now regarded as *Cystidicola farionis*.

Cystidicola stigmatura (Leidy, 1886) Ward and Magath, 1917 (FW)

Syn.: *Cystidicola cristivomeri* White, 1941

Site: swim bladder

Hosts: *Coregonus clupeaformis* (5)

Myoxocephalus thompsoni (8)

Oncorhynchus gorbusha (19)

Salvelinus alpinus (1,2,7,9,10,12,13,15,16,17,18)

Salvelinus fontinalis (5)

Salvelinus namaycush (3,4,5,6,7,9,10,11,12,13,14,15,17,20)

Dist.: Sask, NWT, Ont, Que, E Arc

Records: 1. Beverley-Burton 1978 (NWT); 2. Eddy and Lankester 1978 (NWT); 3. Smith and Lankester 1979 (Ont); 4. Black and Lankester 1980 (exper); 5. Lankester and Smith 1980 (Ont); 6. Black 1981 (exper); 7. Black and Lankester 1981a (Ont, NWT); 8. 1981b (Ont); 9. Black and Anderson 1982 (NWT, Ont); 10. Stewart and Bernier 1982 (NWT); 11. Black 1983a (Ont); 12. 1983b (NWT, Ont, Que, Sask); 13. Stewart and Bernier 1983 (NWT); 14. Black 1984a (Ont); 15. 1984b (Ont, Que, NWT, Sask, E Arc); 16. Curtis 1984 (NWT, Que); 17. Stewart and Bernier 1984 (NWT); 18. Black 1985 (NWT); 19. Anthony 1986 (Ont); 20. Dechtiar and Lawrie 1988 (Ont)

Remarks: The synonymy is according to Black (1983a). Prior to the taxonomic revision of North American species of *Cystidicola* by Black (1983a), *Cystidicola stigmatura* (Leidy, 1886) was regarded as a synonym of *Cystidicola farionis*. Black demonstrated that *C. farionis* and *C. stigmatura* were separate species and that *Cystidicola cristivomeri* White, 1941 was a junior synonym of *C. stigmatura*. Therefore, all Canadian reports of *C. cristivomeri* published prior to Black (1983a) are now regarded as *C. stigmatura*.

Cystidicola spp. (FW)

Site: swim bladder

Hosts: *Coregonus artedii* (1)

Esox lucius (2)

Salvelinus alpinus (3)

Dist.: Alta, NWT, Ont

Records: 1. Anthony 1978 (Ont); 2. McAllister and Mudry 1983 (Alta); 3. Dick 1984 (NWT)

Remarks: Material reported as *Cystidicola* sp. from *Coregonus artedii* by Anthony (1978) was considered to be "...probably *C. canadensis* ...", which is a synonym of *C. farionis*.

Salvelinema walkeri (Ekbaum, 1935) Margolis, 1967 (FW)

Site: swim bladder

Hosts: *Oncorhynchus clarki*

Oncorhynchus kisutch

Dist.: BC

Record: Margolis and Moravec 1982

Spinitectus acipenseri Choudhury and Dick, 1992 (FW)

Site: muscular stomach

Host: *Acipenser fulvescens*

Dist.: Sask, Man

Records: Choudhury and Dick 1992; 1993

Spinitectus carolini Holl, 1928 (FW)

Site: intestine

Hosts: *Ambloplites rupestris* (2)

Amia calva (4)

Esox lucius (5)

Lepomis gibbosus (2,3)

Lepomis macrochirus (2,3)

Micropterus dolomieu (2,6)

Micropterus salmoides (2)

Morone americana (3)

Morone chrysops (1,4)

Perca flavescens (5)

Pomoxis nigromaculatus (2)

Dist.: Ont

Records: 1. Anthony 1984; 2. 1985; 3. Dechtiar and Christie 1988; 4. Dechtiar et al. 1988; 5. Dechtiar and Lawrie 1988; 6. Dechtiar and Nepszy 1988

Spinitectus cristatus Railliet and Henry, 1915 (M)

Site: [intestine]

Hosts: *Urophycis chesteri*

Urophycis chuss

Urophycis musicki

Dist.: Atl

Record: Scott 1987

Spinitectus gracilis Ward and Magath, 1917 (FW)

Site: intestine

Hosts: *Acipenser fulvescens* (6,7,8,11)

Ambloplites rupestris (6,7)

Coregonus artedii (2,3)

Coregonus clupeaformis (1,2,3)

Cottus cognatus (10)

Cyprinus carpio (7)

Esox lucius (2,4)

Lota lota (7)

Oncorhynchus nerka (7)

Osmerus mordax (1,6)

Perca flavescens (1,5,6,12)

Percopsis oniscomaycus (6,8)

Pomoxis nigromaculatus (7)

Prosopium cylindraceum (8)

Salvelinus fontinalis x *Salvelinus namaycush* (1,7)

Stizostedion vitreum vitreum (9)

Dist.: Sask, Man, Ont

Records: 1. Dechtiar and Berst 1978 (Ont); 2. Watson, cited in Lubinsky and Loch 1979 (Man); 3. Watson and Dick 1979 (Man); 4. 1980 (Man); 5. Poole and Dick 1985 (Man); 6. Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9. Dechtiar and Nepszy 1988 (Ont); 10. Dechtiar et al. 1989 (Ont); 11. Choudhury

et al. 1990 (Man, Sask); 12. Szalai and Dick 1991a (Man)

Remarks: Specimens reported as *Spinitectis gracilis* by Choudhury et al. (1990) from *Acipenser fulvescens* from Saskatchewan and Manitoba were subsequently described as *Spinitectis acipenser* by Choudhury and Dick (1992).

Spinitectus spp. (FW,M)

Site: intestine

Hosts: *Acipenser fulvescens* (6)

Anguilla rostrata (5)

Macrourus berglax (1,3)

Perca flavescens (2)

Stizostedion vitreum vitreum (2)

Urophycis musicki (4)

Dist.: Sask, Man, Ont, Atl

Records: 1. Redkozubova 1976 (Atl); 2. Dickson, cited in Lubinsky and Loch 1979 (Man); 3. Houston and Haedrich 1986 (Atl); 4. Scott 1987 (Atl); 5. Dechtiar and Christie 1988 (Ont); 6. Choudhury and Dick 1991b (Sask, Man)

Remarks: Specimens reported as *Spinitectis* sp. from *Acipenser fulvescens* from Saskatchewan and Manitoba by Choudhury and Dick (1991b) were subsequently described as *Spinitectis acipenser* by Choudhury and Dick (1992)

Sterliadochona ephemeridarum (Linstow, 1872)

Petter, 1984 (FW)

Syns.: *Cystidicoloides ephemeridarum* (Linstow, 1872)

Moravec, 1981

Cystidicoloides tenuissima (Zeder, 1800)

Rasheed, 1965

Metabronema salvelini (Fujita, 1920) Baylis, 1935

Sterliadochona tenuissima (Zeder, 1800) Spassky and Roytman, 1957

Sites: stomach, pyloric caeca, intestine

Hosts: *Coregonus artedii* (18)

Coregonus clupeaformis (10,16,17,18)

Hiodon tergisus (5)

Oncorhynchus kisutch (17,18)

Oncorhynchus mykiss (2,7,9,10,16,17)

Oncorhynchus nerka (17)

Salmo salar (1,6,11,21)

Salmo trutta (17)

Salvelinus alpinus (12,20)

Salvelinus fontinalis (3,4,8,11,13,14,15,16,19,21)

Salvelinus malma (2,9)

Salvelinus namaycush (18)

Thymallus arcticus (2,9)

Dist.: BC, Man, Ont, Que, Que-b, PEI, NB, NB-b, NS, Nfld, Lab, NWT

Records: 1. Hare 1975 (NB); 2. Anonymous 1978 (BC); 3. Chinniah and Threlfall 1978 (Lab); 4. Thompson and Threlfall 1978 (Que); 5. Glenn 1980

(Man); 6. Pippy 1980 (Lab, Nfld, NS, NB, PEI); 7. Anonymous 1981 (BC); 8. Black 1981 (Que-b); 9. Arai and Mudry 1983 (BC); 10. Anonymous 1984 (BC); 11. Cone and Ryan 1984 (Nfld); 12. Dick 1984 (NWT); 13. Frimeth 1987a (NB); 14. 1987b (NB, NB-b); 15. Greenwood and Baker 1987 (Ont); 16. Dechtiar and Christie 1988 (Ont); 17. Dechtiar et al. 1988 (Ont); 18. Dechtiar and Lawrie 1988 (Ont); 19. Baggs and McT. Cowan 1989 (Nfld); 20. Bouillon and Dempson 1989 (Lab); 21. Marcogliese and Cone 1991 (Nfld)

Remarks: The synonymy is according to Moravec (1971) for *Cystidicoloides ephemeridarum*. Petter (1984) emended the diagnosis of the genus *Cystidicoloides* and stated that "...holarctic species placed in *Cystidicoloides* should be taken out of the genus and placed in *Sterliadochona*." Margolis and Arthur (1979) listed previous Canadian records as *Cystidicoloides tenuissima*.

Sterliadochona sp. (FW)

Syn.: *Cystidicoloides* sp.

Site: gut

Host: *Acipenser fulvescens*

Dist.: Sask, Man

Record: Choudhury and Dick 1993

Remarks: The synonymy is according to Petter (1984) who amended the diagnosis of the genus *Cystidicoloides* and stated that "...holarctic species placed in *Cystidicoloides* should be taken out of the genus and placed in *Sterliadochona*."

Superfamily THELAZIOIDEA

Family RHABDOCHONIDAE

Rhabdochona canadensis Moravec and Arai, 1971 (FW)

Site: intestine

Hosts: *Cottus* sp. (3)

Couesius plumbeus (5)

Margariscus margarita (7)

Oncorhynchus mykiss (3)

Phoxinus eos (7)

Phoxinus neogaeus (7)

Rhinichthys cataractae (4,5,6)

Salvelinus malma (1,2)

Semotilus atromaculatus (5,7)

Semotilus corporalis (7)

Dist.: BC, Alta, Ont

Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. McAllister and Mudry 1983 (Alta); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Dechtiar et al. 1989 (Ont)

Rhabdochona cascadilla Wigdor, 1918 (FW)

Site: intestine

Hosts: *Acipenser fulvescens* (9)

Catostomus catostomus (2)

- Catostomus commersoni* (2)
Culaea inconstans (6)
Luxilus cornutus (5,6,7,8)
Mylocheilus caurinus (1,3)
Nocomis biguttatus (7,8)
Oncorhynchus nerka (6)
Ptychocheilus oregonensis (1,3)
Richardsonius balteatus (1,3)
Semotilus atromaculatus (4,6)
Dist.: BC, Alta, Man, Ont
Records: 1. Anonymous 1978 (BC); 2. Leong and Holmes 1981 (Alta); 3. Arai and Mudry 1983 (BC); 4. Mackie et al. 1983 (Ont); 5. Byrne and Baker 1987 (Ont); 6. Dechtiar et al. 1988 (Ont); 7. Byrne 1992a (Ont); 8. 1992b (Ont); 9. Choudhury and Dick 1993 (Man)
- Rhabdochona catostomi* Kayton, Kritsky, and Tobias, 1979 (FW)
Site: intestine
Host: *Catostomus catostomus*
Dist.: Alta
Record: Kayton et al. 1979
- Rhabdochona cotti* Gustafson, 1949 (FW)
Site: intestine
Hosts: *Cottus bairdi* (3,4)
Cottus cognatus (1,2,5)
Dist.: BC, Ont
Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Lawrie 1988 (Ont); 5. Dechtiar et al. 1989 (Ont)
- Rhabdochona decaturensis* Gustafson, 1949 (FW)
Site: intestine
Hosts: *Luxilus cornutus* (2,3)
Notropis hudsonius (1,2,3)
Noturus flavus (1)
Noturus gyrinus (1)
Dist.: Ont
Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988
- Rhabdochona kisutchi* Margolis, Moravec, and McDonald, 1975 (FW)
Site: intestine
Hosts: *Oncorhynchus mykiss* (1,3)
Oncorhynchus nerka (1,3)
Prosopium williamsoni (1,3)
Salvelinus malma (1,2,3)
Dist.: BC
Records: 1. Anonymous 1978; 2. 1984; 3. Arai and Mudry 1983
- Rhabdochona milleri* Choquette, 1951 (FW)
Site: intestine
Hosts: *Carpiodes cyprinus* (4)
Moxostoma macrolepidotum (3)
- Prosopium williamsoni* (1,2)
Rhinichthys cataractae (1,2)
Dist.: BC, Ont
Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar and Nepszy 1988 (Ont)
- Rhabdochona ovifilamenta* Weller, 1938 (FW)
Site: intestine
Hosts: *Catostomus commersoni* (1,3,4)
Perca flavescens (2)
Dist.: Ont
Records: 1. Dechtiar and Christie 1988; 2. Dechtiar and Lawrie 1988; 3. Dechtiar and Nepszy 1988; 4. Dechtiar et al. 1989
- Rhabdochona rotundicaudatum* Byrne, 1992 (FW)
Site: intestine
Hosts: *Ambloplites rupestris* (1,2)
Ameiurus nebulosus (1,2)
Etheostoma caeruleum (1,2)
Luxilus cornutus (1,2)
Nocomis biguttatus (1,2)
Semotilus atromaculatus (1,2)
Dist.: Ont
Records: 1. Byrne 1992a (Ont); 2. 1992b (Ont, exper)
- Rhabdochona zacconis* Yamaguti, 1935 (FW)
Site: intestine
Host: *Catostomus macrocheilus*
Dist.: BC
Records: Anonymous 1978; Arai and Mudry 1983
- Rhabdochona* spp. (FW)
Site: intestine
Hosts: *Ambloplites rupestris* (7)
Catostomus catostomus (1,5)
Catostomus macrocheilus (1,5)
Cottus cognatus (1,5)
Etheostoma caeruleum (7)
Etheostoma exile (8)
Luxilus cornutus (6,10)
Mylocheilus caurinus (1,3,5)
Notemigonus crysoleucas (7,10)
Notropis atherinoides (12)
Oncorhynchus kisutch (2,3)
Oncorhynchus mykiss (1,2,3,5)
Oncorhynchus tshawytscha (1,2,3,5)
Perca flavescens (4)
Percopsis omiscomaycus (9)
Prosopium williamsoni (1,3,5)
Ptychocheilus oregonensis (1,3,5)
Richardsonius balteatus (1,5)
Salvelinus fontinalis × *Salvelinus namaycush* (4)
Salvelinus malma (1,2,3,5)
Semotilus atromaculatus (11,12)
Dist.: BC, Ont

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Dechtiar and Berst 1978 (Ont); 5. Arai and Mudry 1983 (BC); 6. Byrne and Baker 1987 (Ont); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Dechtiar et al. 1989 (Ont); 11. Byrne 1992a (Ont); 12. 1992b (Ont)

Unidentified Rhabdochonids

Rhabdochonidae gen. sp. (FW)
 Site: intestine
 Host: *Acipenser fulvescens*
 Dist.: Sask
 Record: Choudhury et al. 1990

Superfamily ACUARIOIDEA Family ACUARIIDAE

Cosmocephalus obvelatus (Creplin, 1825) Seurat, 1919 larva (FW)

Site: encapsulated on mesenteries

Hosts: *Apeltes quadracus* (2)
Carassius auratus (1)
Cottus sp. (1)
Gasterosteus aculeatus (1,2)
Notropis hudsonius (1)
Notropis sp. (1)
Oncorhynchus mykiss (1)
Osmerus mordax (1)
Pungitius pungitius (2)
Semotilus atromaculatus (1)

Dist.: Ont, NS

Records: 1. Wong and Anderson 1982 (Ont, exper); 2. Marcogliese 1992b (NS)

Paracuaria adunca (Creplin, 1846) Anderson and Wong 1981 larva (FW)

Site: mesenteries

Hosts: *Apeltes quadracus* (2)
Carassius auratus (1)
Cottus sp. (1)
Gasterosteus aculeatus 1,(2)
Notropis hudsonius (1)
Pungitius pungitius (2)
Semotilus atromaculatus (1)

Dist.: Ont, NS

Records: 1. Anderson and Wong 1982 (Ont, exper); 2. Marcogliese 1992b (NS)

Syncuaria squamata (Linstow, 1883) Gilbert, 1927 larva (FW)

Site: granulomas on intestinal serosa

Host: *Carassius auratus*
 Dist.: [Ont]

Record: Wong and Anderson 1987 (exper)

Unidentified Spirurida

Spirurida gen.sp. larva (M)

Sites: stomach wall, intestinal wall

Hosts: *Atheresthes stomias* (5)
Clupea pallasii (1)
Microstomus pacificus (5)
Oncorhynchus mykiss (4)
Theragra chalcogramma (2,3,5)

Dist.: Pac, BC

Records: 1. Arthur and Arai 1980a (Pac); 2. Arthur 1983 (Pac); 3. 1984 (Pac); 4. Anonymous 1984 (BC); 5. Kabata and Whitaker 1984 (Pac)

Spirurinae gen.sp. larva (FW)

Site: mesentery

Host: *Myoxocephalus thompsoni*
 Dist.: Ont

Record: Black and Lankester 1981

Unidentified Nematoda

Nematoda gen.spp. larva and adult (M,FW)

Includes: *Agamonema* sp. auct., *Agamospirura* sp. auct.

Sites: viscera, mesenteries

Hosts: *Acipenser transmontanus* (11)
Aplodinotus grunniens (13)
Boreogadus saida (10)
Clupea harengus (12)
Coregonus clupeaformis (1)
Coregonus sardinella (10)
Culaea inconstans (14,16)
Gadus morhua (12)
Glyptocephalus cynoglossus (4)
Hippoglossoides platessoides (12)
Lepomis gibbosus (2)
Lota lota (8)
Melanogrammus aeglefinus (12)
Merluccius bilinearis (12,18)
Oligocottus maculosus (15)
Oncorhynchus kisutch (5,6)
Oncorhynchus mykiss (5,6)
Oncorhynchus nerka (5,6)
Oncorhynchus tshawytscha (5,6)
Perca flavescens (13)
Pleuronectes americanus (3)
Pollachius virens (12)
Prosopium williamsoni (5,6)
Salvelinus alpinus (7,9,10)
Salvelinus malma (5,6)
Salvelinus namaycush (7,8)
Scomber scombrus (12)

Sebastes nebulosus (17)
Sebastes sp. (12)
Stizostedion vitreum vitreum (8)
Triglops pingeli (10)
Pleuronectidae gen.sp. (12)

Dist.: Pac, BC, Alta, Man, NWT, Ont, NB, Atl, E Arc
Records: 1. Bajkov 1930 (Man); 2. Reid 1930 (NB); 3. Wells et al. 1973 (Atl); 4. Zubchenko 1980 (Atl); 5. Anonymous 1981 (BC); 6. 1984 (BC); 7. Stewart and Bernier 1982 (NWT); 8. McAllister and Mudry 1983 (Alta); 9. Stewart and Bernier 1983 (NWT); 10. 1984 (NWT, E Arc); 11. Margolis and McDonald 1986 (BC); 12. Morrison et al. 1986 (Atl); 13. Dechtiar and Christie 1988 (Ont); 14. Dechtiar et al. 1988 (Ont); 15. Roth 1988 (Pac); 16. Dechtiar et al. 1989 (Ont); 17. Holmes 1990 (Pac); 18. Waldron 1992 (Atl)

Remarks: The records for this parasite in Anonymous (1981, 1984) were found only in the parasite-host list.

PHYLUM ACANTHOCEPHALA

ORDER EOACANTHOCEPHALA

Family NEOECHINORHYNCHIDAE

Neoechinorhynchus carpiodi Dechtiar 1968 (FW)

Site: intestine

Host: *Carpiodes cyprinus* (1,2,3,4)

Dist.: Man, Ont

Records: 1. Szalai and Dick 1987a (Man); 2. 1987b (Man); 3. Dechtiar and Nepszy 1988 (Ont); 4. Szalai et al. 1988 (Man)

Neoechinorhynchus crassus Van Cleave, 1919 (FW)

Sites: pyloric caeca, intestine

Hosts: *Catostomus catostomus* (1,3,5,6,8)

Catostomus commersoni (2,3,4,5,7,8)

Moxostoma macrolepidotum (2,4)

Dist.: Man, Ont, Lab

Records: 1. Chinniah and Threlfall 1978 (Lab); 2. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 3. Courtney 1987 (Ont); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Dechtiar and Nepszy 1988 (Ont); 8. Dechtiar et al. 1989 (Ont)

Neoechinorhynchus cristatus Lynch, 1936 (FW)

Site: intestine

Hosts: *Catostomus catostomus* (1,2,3,4,5,7)

Catostomus commersoni (1,5,6,7,8,9,10)

Catostomus macrocheilus (1,2,3,5)

Ptychocheilus oregonensis (2,3)

Dist.: BC, Ont, Que

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Gordon et al. 1978 (Que); 5. Arai

and Mudry 1983 (BC); 6. Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9. Dechtiar and Nepszy 1988 (Ont); 10. Dechtiar et al. 1989 (Ont)

Neoechinorhynchus cylindricus (Van Cleave, 1913) Van Cleave, 1919 (FW)

Site: intestine

Hosts: *Ambloplites rupestris* (7,8,9)

Coregonus clupeaformis (2,3)

Esox lucius (4)

Esox masquinongy (4)

Lepomis gibbosus (8)

Lota lota (6)

Micropterus dolomieu (8,10)

Micropterus salmoides (7)

Morone americana (7)

Perca flavescens (2)

Pomoxis nigromaculatus (8)

Richardsonius balteatus (1,5)

Stizostedion vitreum vitreum (2,10)

Dist.: BC, Man, Ont

Records: 1. Anonymous 1978 (BC); 2. Dickson, Watson, both cited in Lubinsky and Loch 1979 (Man); 3. Watson and Dick 1979 (Man); 4. Anthony 1983 (Ont); 5. Arai and Mudry 1983 (BC); 6. Anthony 1987 (Ont); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Dechtiar and Nepszy 1988 (Ont)

Neoechinorhynchus notemigoni Dechtiar, 1967 (FW)

Site: intestine

Hosts: *Notemigonus crysoleucas* (1,2,4)

Notropis hudsonius (3)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Lawrie 1988; 4. Dechtiar et al. 1989

Neoechinorhynchus pungitius Dechtiar, 1971 (FW)

Site: intestine

Hosts: *Culaea inconstans* (1,2)

Oncorhynchus nerka (1)

Perca flavescens (1)

Pungitius pungitius (1)

Dist.: Ont

Records: 1. Dechtiar et al. 1988; 2. Dechtiar et al. 1989

Neoechinorhynchus rutili (O. F. Müller, 1780) Hamann, 1892 (FW)

Site: intestine

Hosts: *Acipenser fulvescens* (12)

Amia calva (12)

Coregonus clupeaformis (2,7)

Coregonus hoyi (13)

Cottus bairdi (13)

Cottus ricei (13)

Couesius plumbeus (13)
Culaea inconstans (12,13,16)
Lota lota (2,7)
Morone saxatilis (9)
Notemigonus crysoleucas (12,13)
Notropis hudsonius (12,13,14)
Oncorhynchus mykiss (2,3,7)
Oncorhynchus nerka (2,5,7,11,13)
Osmerus mordax (13,15)
Perca flavescens (10,13,15)
Phoxinus neogaeus (13)
Pimephales notatus (13,14)
Prosopium coulteri (2,7)
Prosopium williamsoni (2,3,7)
Ptychocheilus oregonensis (2,3)
Pungitius pungitius (13)
Richardsonius balteatus (2,3,7)
Salmo salar (1)
Salvelinus alpinus (4,6,8)
Salvelinus fontinalis (14)
Salvelinus malma (2,7)
Salvelinus namaycush (2,3,7)
Stizostedion vitreum vitreum (12)
Thymallus arcticus (2,7)

Dist.: BC, Man, NWT, Ont, NB

Records: 1. Hare 1975 (NB); 2. Anonymous 1978 (BC); 3. 1984 (BC); 4. Dick and Belosevic 1981 (NWT); 5. Simpson et al. 1981 (BC); 6. Curtis 1982 (NWT); 7. Arai and Mudry 1983 (BC); 8. Dick 1984 (NWT); 9. Hogans 1984 (NB); 10. Poole and Dick 1985 (Man); 11. Bailey and Margolis 1987 (BC); 12. Dechtiar and Christie 1988 (Ont); 13. Dechtiar et al. 1988 (Ont); 14. Dechtiar and Lawrie 1988 (Ont); 15. Dechtiar and Nepszy 1988 (Ont); 16. Dechtiar et al. 1989 (Ont)

Remarks: The record for this parasite from *Ptychocheilus oregonensis* in Anonymous (1978) was found in the host-parasite list only.

Neoechinorhynchus saginatus Van Cleave and Bangham, 1949 (FW)

Site: intestine

Hosts: *Catostomus commersoni* (1)
Hypentelium nigricans (1)
Semotilus atromaculatus (1,2,3)

Dist.: Ont

Records: 1. Mackie et al. 1983; 2. Dechtiar and Christie 1988; 3. Dechtiar et al. 1989

Neoechinorhynchus salmonis Ching, 1984 (FW)

Syn.: *Neoechinorhynchus saginatus* Van Cleave and Bangham, 1949 of Anonymous, 1981

Sites: intestine, pyloric caeca

Hosts: *Catostomus catostomus* (1,2,3)
Catostomus macrocheilus (1,2,3)
Coregonus clupeaformis (2)
Cottus asper (2,3)
Lota lota (1,2,3)

Mylocheilus caurinus (1,2)
Oncorhynchus kisutch (1,2)
Oncorhynchus mykiss (1,2,3)
Oncorhynchus nerka (1,2,3,4,5)
Oncorhynchus tshawytscha (1,2)
Prosopium williamsoni (1,2,3)
Ptychocheilus oregonensis (1,2,3)
Salvelinus malma (2)
Salvelinus namaycush (2)

Dist.: BC

Records: 1. Anonymous 1981; 2. 1984; 3. Ching 1984; 4. Bailey and Margolis 1987; 5. Bailey, Margolis and Workman 1989

Remarks: As pointed out by Arai (1989), Anonymous (1984) introduced the name *Neoechinorhynchus salmonis* Ching 1983 without a description or illustrations. The published description of the species appeared in 1984.

Neoechinorhynchus strigosus Van Cleave, 1949 (FW)

Site: intestine

Hosts: *Catostomus commersoni* (1,3,4)
Esox lucius (1)
Oncorhynchus kisutch (1)
Stizostedion vitreum vitreum (2)

Dist.: Alta, Man, Ont

Records: 1. Leong and Holmes 1981 (Alta); 2. Poole and Dick 1985 (Man); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar et al. 1989 (Ont)

Neoechinorhynchus tenellus (Van Cleave, 1913) Van Cleave, 1919 (FW)

Site: intestine

Hosts: *Acipenser fulvescens* (6)
Esox lucius (2,3,4,5)
Perca flavescens (1)
Stizostedion vitreum vitreum (1,2,4,5)

Dist.: Man, Ont

Records: 1. Anthony 1978b (Ont); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Lawrie 1988 (Ont); 5. Dechtiar and Nepszy 1988 (Ont); 6. Choudhury and Dick 1993 (Man)

Remarks: Choudhury and Dick (1993) cited the parasite name as *Neoechinorhynchus tennelus*.

Neoechinorhynchus tumidus Van Cleave and Bangham 1949 (FW)

Site: intestine

Hosts: *Coregonus artedii* (5)
Coregonus clupeaformis (2,3,4,5)
Coregonus hoyi (1,4)
Oncorhynchus nerka (4)
Osmerus mordax (1)
Prosopium cylindraceum (4)
Salvelinus fontinalis × *Salvelinus namaycush* (1,4)

Dist.: Alta, Ont

Records: 1. Dechtiar and Berst 1978 (Ont); 2. McAllister and Mudry 1983 (Alta); 3. Dechtiar and Christie 1988 (Ont); 4. Dechtiar et al. 1988 (Ont); 5. Dechtiar and Lawrie 1988 (Ont)

Neoechinorhynchus spp. (FW)

Site: intestine

Hosts: *Aplodinotus grunniens* (2)

Carpiodes cyprinus (1)

Catostomus commersoni (1)

Morone chrysops (8)

Oncorhynchus keta (4)

Oncorhynchus mykiss (3)

Oncorhynchus nerka (7,10)

Osmerus mordax (9)

Pimephales promelas (8)

Prosopium williamsoni (3)

Richardsonius balteatus (3)

Salvelinus fontinalis (5,6)

Salvelinus namaycush (3)

Stizostedion vitreum (1)

Dist.: Pac, BC-b, Man, Ont, NB, NB-b

Records: 1. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 2. Anthony 1982 (Ont); 3. Anonymous 1984 (BC); 4. Whitaker 1985 (BC-b); 5. Frimeth 1987a (NB); 6. 1987b (NB, NB-b); 7. Bailey, Margolis, and Groot 1988 (Pac); 8. Dechtiar and Christie 1988 (Ont); 9. Dechtiar et al. 1988 (Ont); 10. Groot et al. 1989 (Pac)

Octospinifer macilentus Van Cleave, 1919 (FW)

Site: intestine

Hosts: *Catostomus catostomus* (1,2)

Catostomus commersoni (1,2,3,4,5,6)

Catostomus macrocheilus (1,2)

Dist.: BC, Alta, Ont

Records: 1. Anonymous 1978 (BC); 2. Arai and Mudry 1983 (BC); 3. Beerman, cited in McAllister and Mudry 1983 (Alta); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Nepszy 1988 (Ont)

ORDER PALAEACANTHOCEPHALA

Superfamily ECHINORHYNCHOIDEA

Family ECHINORHYNCHIDAE

Acanthocephalus dirus (Van Cleave, 1931) Van Cleave and Townsend, 1936 (FW)

Syn.: *Acanthocephalus jacksoni* Bullock, 1962

Site: intestine

Hosts: *Alosa pseudoharengus* (1,2,3,4)

Catostomus catostomus (4)

Catostomus commersoni (5)

Coregonus clupeaformis (2)

Cottus bairdi (2,3,4)

Cottus cognatus (2)

Cottus ricei (3)

Culaea inconstans (3)

Esox lucius (4,5)

Lota lota (3,6)

Morone chrysops (2,5)

Oncorhynchus kisutch (2)

Oncorhynchus mykiss (4)

Oncorhynchus nerka (3)

Osmerus mordax (2,4,5)

Perca flavescens (2,4)

Percopsis omiscomaycus (4)

Prosopium cylindraceum (6)

Pungitius pungitius (3)

Salmo trutta (3)

Salvelinus fontinalis (2,6)

Salvelinus fontinalis × *Salvelinus namaycush* (1,3)

Salvelinus namaycush (6)

Dist.: Ont

Records: 1. Dechtiar and Berst 1978; 2. Dechtiar and Christie 1988; 3. Dechtiar et al. 1988; 4. Dechtiar and Lawrie 1988; 5. Dechtiar and Nepszy 1988; 6. Dechtiar et al. 1989

Remarks: Amin (1984) synonymized *Acanthocephalus jacksoni* with *Acanthocephalus dirus*, hence all Canadian records are now referable to this species. Margolis and Arthur (1979) listed previous Canadian records as *A. jacksoni*.

Acanthocephalus sp. (FW)

Site: intestine

Host: *Ameiurus nebulosus*

Dist.: Que

Record: Fréchette et al. 1978

Echinorhynchus gadi Zoega in O. F. Müller, 1776 (M)

Syn.: *Echinorhynchus vancleavei* Golvan, 1969

Sites: intestine, mesenteries

Hosts: *Acipenser oxyrhynchus* (4)

Alepocephalus bairdi (23)

Alosa aestivalis (37)

Clupea harengus (24)

Clupea pallasii (5)

Coregonus clupeaformis (27)

Coregonus sardinella (15)

Coryphaenoides rupestris (7)

Gadus morhua (3,14,16,28)

Gadus ogac (27)

Glyptocephalus cynoglossus (8)

Hippoglossoides platessoides (8,26)

Hippoglossus hippoglossus (8,31)

Macrourus berglax (2,13)

Mallotus villosus (22)

Melanogrammus aeglefinus (12)

Merluccius productus (17)
Microstomus pacificus (21)
Morone saxatilis (20)
Nezumia bairdi (13)
Pleuronectes bilineatus (1)
Pollachius virens (25)
Reinhardtius hippoglossoides (11,31,32,34,
35,36)

Salmo salar (6)
Salvelinus alpinus (10,15,19,27)
Salvelinus fontinalis (9)
Salvelinus namaycush (15,27)
Sebastes fasciatus (30)
Sebastes nebulosus (33)
Theragra chalcogramma (18,21)
Urophycis chesteri (29)
Urophycis chuss (29)
Urophycis musicki (29)
Pleuronectidae gen.sp. (27)

Dist.: Pac, NWT, Que-b, NB, NB-b, NS, W Arc, E Arc, Atl

Records: 1. Ronald 1959 (Pac); 2. Noble 1973 (Atl); 3. Redkozubova 1976 (Atl); 4. Appy and Dadswell 1978 (NB-b); 5. Arthur and Arai 1980a (Pac); 6. Pippy 1980 (Atl, NS); 7. Szuks 1980 (Atl); 8. Zubchenko 1980 (Atl); 9. Black 1981 (Que-b); 10. Dick and Belosevic 1981 (NWT); 11. Reimer 1981 (E Arc); 12. Scott 1981 (Atl); 13. Zubchenko 1981 (Atl); 14. Appy and Burt 1982 (Atl); 15. Stewart and Bernier 1982 (NWT); 16. Khan and Kiceniuk 1983 (Atl); 17. Sankurathri et al. 1983 (Pac); 18. Arthur 1984 (Pac); 19. Dick 1984 (NWT); 20. Hogans 1984 (NB); 21. Kabata and Whitaker 1984 (Pac); 22. Pálsson and Beverley-Burton 1984 (Atl); 23. Zubchenko 1984 (Atl); 24. McGladdery and Burt 1985 (Atl); 25. Scott 1985 (Atl); 26. Zubchenko 1985a (Atl); 27. Shostak et al. 1986 (Atl, W Arc, NWT); 28. Khan 1987 (Atl); 29. Scott 1987 (Atl); 30. 1988 (Atl); 31. Wierzbicka 1988 (Atl); 32. Scott and Bray 1989 (Atl); 33. Holmes 1990 (Pac); 34. Wierzbicka 1991a (Atl); 35. 1991b (Atl); 36. Krzykowski and Wierzbicka 1992 (Atl); 37. Landry et al. 1992 (Atl)

Remarks: The synonymy is according to Arai (1989). Ronald (1959) did not report the locality of collection, but the record is based on material collected by L. Margolis from the Pacific coast of Canada. The record by Noble (1973) was based on a tentative parasite identification.

Echinorhynchus lateralis Leidy, 1851 (FW)

Syn.: *Metechinorhynchus lateralis* (Leidy, 1851)
Golvan, 1969

Site: intestine

Hosts: *Acipenser fulvescens* (9)
Coregonus artedii (9)
Esox lucius (1)
Gasterosteus aculeatus (5)

Oncorhynchus kisutch (9)
Oncorhynchus mykiss (9)
Osmerus mordax (4)
Prosopium cylindraceum (9)
Salmo salar (5,12)
Salvelinus alpinus (11)
Salvelinus fontinalis (1,2,3,5,6,7,8,10,12)
Salvelinus namaycush (9)

Dist.: Ont, Que, Que-b, NB, NB-b, Nfld, Lab

Records: 1. Chinniah and Threlfall 1978 (Lab); 2. Thompson and Threlfall 1978 (Que); 3. Black 1981 (Que-b); 4. Threlfall 1981 (Nfld); 5. Cone and Ryan 1984 (Nfld); 6. Frimeth 1987a (NB); 7. 1987b (NB, NB-b); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Baggs and McT. Cowan 1989 (Nfld); 11. Bouillon and Dempson 1989 (Lab); 12. Marcogliese and Cone 1991 (Nfld)

Remarks: The synonymy is according to Arai (1989). Margolis and Arthur (1979) listed previous Canadian records as *Metechinorhynchus lateralis*.

Echinorhynchus laurentianus Ronald, 1957 (M)

Site: intestine

Hosts: *Glyptocephalus cynoglossus*
Hippoglossoides platessoides
Hippoglossus hippoglossus
Pleuronectes ferrugineus
Pleuronectes putnami
Reinhardtius hippoglossoides

Dist.: Atl

Record: Redkozubova 1978

Remarks: Redkozubova (1978) did not list the individual hosts for this parasite, but it was said to be found in all flounders examined.

Echinorhynchus leidy Van Cleave, 1924 (FW)

Syn.: *Echinorhynchus salvelini* Linkins in Ward and Whipple, 1918
Metechinorhynchus leidy (Van Cleave, 1924) Golvan, 1969

Site: intestine

Hosts: *Acipenser fulvescens* (8,9)
Coregonus artedii (2,6)
Coregonus autumnalis (6)
Coregonus clupeaformis (2,4,6)
Coregonus sardinella (6)
Esox lucius (2,5,6)
Lota lota (6)
Oncorhynchus mykiss (4)
Salvelinus alpinus (3,6)
Salvelinus namaycush (1,4,6,7)

Dist.: Sask, Man, NWT, Ont, Que

Records: 1. Rawson 1959 (Sask); 2. Shostack and Dick 1982 (Man); 3. Curtis 1982 (Que); 4. Prychitko and Nero 1983 (Ont, exper); 5. Shostak and Dick 1986 (Man); 6. Shostak et al. 1986 (Man, NWT); 7. Dechtiar et al. 1988 (Ont); 8. Choudhury et al. 1990 (Man); 9. Choudhury and Dick 1993 (Man)

Remarks: The synonymy is according to Arai (1989). Margolis and Arthur (1979) listed previous Canadian records as *Metechinorhynchus leidyi*.

Echinorhynchus salmonis O. F. Müller, 1784 (FW)
Syn.: *Metechinorhynchus salmonis* (O. F. Müller, 1784)
Petrochenko, 1956

Site: intestine

Hosts: *Acipenser fulvescens* (13,14,15)
Alosa pseudoharengus (1)
Ambloplites rupestris (13,15)
Anguilla rostrata (13)
Catostomus catostomus (6,12,14)
Catostomus commersoni (1,3,6,12)
Coregonus artedii (1,3,4,6,7,11,13,14,15)
Coregonus autumnalis (11)
Coregonus clupeaformis (1,3,4,6,7,9,11,13,14,15)
Coregonus hoyi (1,14,15)
Coregonus sardinella (10,11)
Cottus bairdi (13,14,15)
Couesius plumbeus (14)
Esox lucius (3,5,6,7,9,11,13,14,16)
Gasterosteus aculeatus (13)
Ictalurus punctatus (13)
Lepomis gibbosus (13)
Lepomis macrochirus (13)
Lota lota (6,9,11,14,15)
Micropterus dolomieu (14)
Morone chrysops (13)
Oncorhynchus gorbusha (15)
Oncorhynchus kisutch (2,6,13,14,15)
Oncorhynchus mykiss (13,14)
Oncorhynchus nerka (14)
Oncorhynchus tshawytscha (2)
Osmerus mordax (1,8,13,14,15,16,17)
Perca flavescens (1,13,14,15)
Percopsis omiscomaycus (13,15)
Prosopium cylindraceum (14,15)
Pungitius pungitius (6)
Salmo trutta (14)
Salvelinus alpinus (10)
Salvelinus fontinalis (13)
Salvelinus fontinalis × *Salvelinus namaycush* (1,14)
Salvelinus namaycush (3,6,9,10,11,13,14,15)
Stizostedion vitreum vitreum (6,13,15)

Dist.: Alta, Man, NWT, Ont, Que-b, Atl

Records: 1. Dechtiar and Berst 1978 (Ont); 2. Lester and Wright 1978 (Ont); 3. Stewart-Hay, Watson, both cited in Lubinsky and Loch 1979 (Man); 4. Watson and Dick 1979 (Man); 5. 1980 (Man); 6. Leong and Holmes 1981 (Alta); 7. Shostak and Dick 1982 (Man); 8. Fréchet et al. 1983 (Atl, Que-b); 9. McAllister and Mudry 1983 (Alta); 10. Stewart and Bernier 1983 (NWT); 11. Shostak et al. 1986 (Man, NWT); 12. Courtney 1987 (Ont); 13. Dechtiar and Christie 1988 (Ont); 14. Dechtiar et al. 1988 (Ont);

15. Dechtiar and Lawrie 1988 (Ont); 16. Dechtiar and Nepszy 1988 (Ont); 17. Measures and Bossé 1993 (Que-b)

Remarks: The synonymy is according to Arai (1989). Margolis and Arthur (1979) listed previous Canadian records as *Metechinorhynchus salmonis*.

Echinorhynchus spp. (FW,M)

Syn.: *Metechinorhynchus* spp.

Sites: exterior stomach wall, intestine, mesenteries

Hosts: *Coregonus clupeaformis* (4,8)
Coregonus sardinella (8)
Gadus morhua (3,11)
Gadus ogac (4)
Lota lota (12)
Lycodon mirabilis (10)
Macrourus berglax (10)
Melanogrammus aeglefinis (11)
Nezumia bairdii (10)
Oncorhynchus gorbusha (9)
Osmerus mordax (2)
Pollachius virens (11)
Salmo salar (1)
Salvelinus alpinus (4,5,6,7,8)
Salvelinus namaycush (4)
Pleuronectidae gen.sp. (11)

Dist.: NWT, Ont, Que, NS, Nfld, Atl

Records: 1. Pippy 1980 (NS); 2. Threlfall 1981 (Nfld); 3. Appy and Burt 1982 (Atl); 4. Stewart and Bernier 1983 (NWT, E Arc); 5. Curtis 1984 (NWT, Que); 6. Curtis and Stenzel 1984 (Que); 7. Dick 1984 (NWT); 8. Stewart and Bernier 1984 (NWT); 9. Anthony 1986 (Ont); 10. Houston and Haedrich 1986 (Atl); 11. Morrison et al. 1986 (Atl); 12. Anthony 1987 (Ont)
Remarks: The synonymy is according to Arai (1989). Margolis and Arthur (1979) listed previous Canadian records as *Metechinorhynchus* spp.

Family FESSISENTIDAE

Fessisentis friedi Haley and Bullock, 1953 (FW)

Site: spiral valve intestine

Host: *Acipenser brevirostrum*

Dist.: NB-b

Record: Appy and Dadswell 1978

Family LEPTORHYNCHOIDIDAE

Leptorhynchoides thecatus (Linton, 1891) Kostylew, 1924 (FW)

Sites: intestine; encysted in mesenteries

Hosts: *Acipenser fulvescens* (9,10)
Ambloplites rupestris (4,6)
Ameiurus nebulosus (4,5)
Amia calva (5)

Anguilla rostrata (4)
Aplodinotus grunniens (1,4,7)
Catostomus catostomus (5)
Esox lucius (2,4)
Esox masquinongy (2)
Etheostoma nigrum (4,5)
Fundulus diaphanus (4,5)
Lepisosteus osseus (4)
Lepomis gibbosus (4,5,8)
Lota lota (5)
Micropterus dolomieu (4,5,6,7)
Micropterus salmoides (4)
Morone americana (4)
Morone chrysops (3,4)
Noturus flavus (5)
Oncorhynchus nerka (5)
Perca flavescens (4,5,7)
Pomoxis nigromaculatus (4)
Stizostedion vitreum vitreum (4,7)

Dist.: Man, Ont

Records: 1. Anthony 1982 (Ont); 2. 1983 (Ont); 3. 1984 (Ont); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Dechtiar and Nepszy 1988 (Ont); 8. Dechtiar et al. 1989 (Ont); 9. Choudhury et al. 1990 (Man); 10. Choudhury and Dick 1993 (Man)

Remarks: The record by Anthony (1982) involved a tentative identification as "... *Leptorhynchoides* sp., probably *thecatus*, ..."

Family POMPHORHYNCHIDAE

Pomphorhynchus bulbocolli Linkins in Van Cleave, 1919 (FW)

Sites: intestine, encysted in mesenteries

Hosts: *Acipenser fulvescens* (22,24,25)
Ambloplites rupestris (16,17)
Aneirus nebulosus (16)
Aplodinotus grunniens (18)
Carpionides cyprinus (14,16,18)
Catostomus catostomus (17,21)
Catostomus commersoni (1,2,3,8,9,10,13, 15,16,17,18,20)
Catostomus macrocheilus (1,6,9,11)
Coregonus artedii (3,4,8)
Coregonus clupeaformis (1,3,4,8,9,10,16)
Cottus bairdi (16)
Cyprinus carpio (16)
Etheostoma nigrum (16)
Hiodon tergisus (5)
Ictalurus punctatus (18)
Lepomis gibbosus (21)
Lota lota (17)
Luxilus cornutus (21)
Micropterus dolomieu (16,18)
Micropterus salmoides (23)

Moxostoma macrolepidotum (3)
Mylocheilus caurinus (11)
Notemigonus crysoleucas (21)
Notropis hudsonius (17)
Oncorhynchus kisutch (8)
Oncorhynchus mykiss (1,6,9,10,11,16,19)
Oncorhynchus nerka (16)
Osmerus mordax (2)
Perca flavescens (2,12)
Percina caprodes (16)
Percopsis omiscomaycus (16,17)
Prosopium cylindraceum (16,17)
Prosopium williamsoni (1,6,9,11)
Ptychocheilus oregonensis (1,6,9,11)
Pungitius pungitius (8)
Rhinichthys cataractae (17)
Salvelinus fontinalis × *Salvelinus namaycush* (2,16)
Salvelinus namaycush (8)
Semotilus atromaculatus (21)
Catostomidae gen.sp. (7)

Dist.: BC, Alta, Sask, Man, Ont, Que

Records: 1. Anonymous 1978 (BC); 2. Dechtiar and Berst 1978 (Ont); 3. Stewart-Hay, Watson, both cited in Lubinsky and Loch 1979 (Man); 4. Watson and Dick 1979 (Man); 5. Glenn 1980 (Man); 6. Anonymous 1981 (BC); 7. Kinnis and Curtis 1981 (Que); 8. Leong and Holmes 1981 (Alta); 9. Arai and Mudry 1983 (BC); 10. McAllister and Mudry 1983 (Alta); 11. Anonymous 1984 (BC); 12. Poole and Dick 1985 (Man); 13. Courtney 1987 (Ont); 14. Szalai and Dick 1987a (Man); 15. Dechtiar and Christie 1988 (Ont); 16. Dechtiar et al. 1988 (Ont); 17. Dechtiar and Lawrie 1988 (Ont); 18. Dechtiar and Nepszy 1988 (Ont); 19. Szalai and Dick 1988 (Man); 20. Amedjo and Holmes 1989 (Alta); 21. Dechtiar et al. 1989 (Ont); 22. Choudhury et al. 1990 (Sask); 23. Szalai and Dick 1990 (Sask); 24. Choudhury and Dick 1991b (Sask, Man); 25. 1993 (Sask, Man)

Pomphorhynchus spp. (FW)

Site: intestine

Hosts: *Catostomus commersoni* (1)
Coregonus clupeaformis (1)
Lota lota (2)
Stizostedion vitreum vitreum (1)

Dist.: Alta, Man

Records: 1. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 2. McAllister and Mudry 1983 (Alta)

Family RHADINORHYNCHIDAE

Rhadinorhynchus pristis Chandler, 1934 (M)

Site: intestine

Host: *Xiphias gladius*

Dist.: Atl

Record: Hogans et al. 1983

Rhadinorhynchus trachuri Harada, 1935 (M)
Site: intestine
Host: *Oncorhynchus kisutch*
Dist.: BC
Records: Anonymous 1981; 1984

Superfamily POLYMORPHOIDEA
Family POLYMORPHIDAE

Bolbosoma caenoforme (Heitz, 1920) Meyer, 1933 (M)
juvenile
Site: intestine
Hosts: *Oncorhynchus gorbusha* (1,2)
Theragra chalcogramma (3)
Dist.: BC, Pac
Records: 1. Anonymous 1981 (BC); 2. 1984 (BC); 3. Arthur 1984 (Pac)

Corynosoma magdaleni Montreuil, 1958 juvenile (M)
Site: intestine
Host: *Salvelinus fontinalis*
Dist.: NB
Records: Frimeth 1987a; 1987b

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904 (M)
juvenile
Sites: mesenteries of viscera; intestine, liver, body cavity
Hosts: *Acipenser transmontanus* (8)
Atheresthes stomias (2)
Clupea pallasii (3)
Eopsetta jordani (1)
Melanogrammus aeglefinus (6)
Platichthys stellatus (1)
Pleuronectes bilineatus (1)
Reinhardtius hippoglossoides (4,5,10,11,12, 13,14)
Theragra chalcogramma (7)
Urophycis chuss (9)
Urophycis musicki (9)

Dist.: Pac, BC, Atl, E Arc
Records: 1. Margolis, cited in Ronald 1959 (Pac); 2. Kovalenko 1969 (Pac); 3. Arthur and Arai 1980 (Pac); 4. Zubchenko 1980 (Atl); 5. Reimer 1981 (E Arc); 6. Scott 1981 (Atl); 7. Arthur 1984 (Pac); 8. Margolis and McDonald 1986 (BC); 9. Scott 1987 (Atl); 10. Wierzbicka 1988 (Atl); 11. 1991a (Atl); 12. 1991b (Atl); 13. Krzykowski and Wierzbicka 1992 (Atl); 14. Arthur and Albert 1993 (Atl)

Remarks: Ronald (1959) did not report the locality of collection, but the records are based on material collected by L. Margolis from the Pacific coast of Canada. The records by Scott (1981, 1987) are based on a tentative identifications as "... *Corynosoma* sp. (? *strumosum*) (cystacanth) ..."

Corynosoma villosum Van Cleave, 1953 juvenile (M)
Sites: mesenteries, intestine, body cavity
Host: *Atheresthes stomias*
Dist.: Pac
Record: Kabata and Whitaker 1984

Corynosoma wegneri Heinze, 1934 juvenile (M)
Site: mesenteries
Hosts: *Atheresthes stomias* (2)
Gadus morhua (1,3,4)
Hemitripterus americanus (3,4)
Hippoglossoides platessoides (3,4)
Melanogrammus aeglefinus (3,4)
Myoxocephalus octodecemspinosus (3,4)
Pleuronectes americanus (3,4)
Pleuronectes ferrugineus (3,4)
Scophthalmus aquosus (3,4)
Dist.: Pac, Atl
Records: 1. Appy and Burt 1982 (Atl); 2. Kabata and Whitaker 1984 (Pac); 3. Marcogliese 1991 (Atl); 4. Marcogliese and McClelland 1992 (Atl)

Corynosoma spp. juvenile (FW,M)
Sites: body cavity, intestine, mesenteries
Hosts: *Anoplopoma fimbria* (5)
Atheresthes stomias (5)
Cymatogaster aggregata (9)
Gadus morhua (2,8)
Hippoglossus hippoglossus (10)
Melanogrammus aeglefinus (8)
Microstomus pacificus (5)
Oncorhynchus gorbusha (3)
Pollachius virens (7,8)
Reinhardtius hippoglossoides (12,13)
Salvelinus alpinus (1,6)
Sebastes flavidus (11,14)
Theragra chalcogramma (4,5)
Pleuronectidae gen.sp. (8)

Dist.: Pac, NWT, Nfld, Atl
Records: 1. Dick and Belosevic 1981 (NWT); 2. Appy and Burt 1982 (Atl); 3. Margolis 1982 (Nfld); 4. Arthur 1984 (Pac); 5. Kabata and Whitaker 1984 (Pac); 6. Stewart and Bernier 1984 (NWT); 7. Scott 1985 (Atl); 8. Morrison et al. 1986 (Atl); 9. Arai et al. 1988 (Pac); 10. Scott and Bray 1989 (Atl); 11. Lee et al. 1990 (Pac); 12. Arthur and Albert 1992a (Atl); 13. 1992b (Atl); 14. Stanley et al. 1992 (Pac)

Unidentified Acanthocephala

Acanthocephala gen.spp. (FW,M)
Site: [digestive tract]
Hosts: *Acipenser fluvescens* (5)
Coregonus autumnalis (2)
Coregonus clupeaformis (1)

Merluccius bilinearis (4)
Pleuronectes ferrugineus (4)
Salvelinus alpinus (2)
Salvelinus namaycush (1,2)
Sebastes fasciatus (3)
Sebastes norvegicus (3)

Dist.: Alta, Sask, Man, NWT, Atl

Records: 1. McAllister and Mudry 1983 (Alta); 2. Stewart and Bernier 1983 (NWT); 3. Bourgeois and Ni 1984 (Atl); 4. Morrison et al. 1986 (Atl); 5. Choudhury and Dick 1991b (Sask, Man)

PHYLUM ANNELIDA
CLASS HIRUDINEA
ORDER GNATHOBDELLIDA
Family HIRUDINIDAE

Macrobodella decora (Say, 1824) Verrill, 1872 (FW)
Site: operculum
Host: *Aplodinotus grunniens*
Dist.: Ont
Record: Dechtiar and Nepszy 1988

Percymoorensis marmorata (Say, 1824) Richardson, 1969 (FW)

Site: [body surface]
Host: *Stizostedion vitreum vitreum*
Dist.: Sask
Record: Madill 1988

Percymoorensis sp. (FW)
Syn. *Haemopsis* sp. of Elson, 1940
Site: body surface
Host: *Salmo salar*
Dist.: NS
Record: Elson 1940
Remarks: Elson (1940) reported this leech as *Haemopsis* sp. Some authors (see Klemm 1982, 1990) do not accept the genus *Percymoorensis* as distinct from the genus *Haemopsis*.

ORDER RHYNCHOBDELLIDA
Family GLOSSIPHONIIDAE

Actinobdella inequiannulata Moore, 1901 (FW)
Syn.: *Actinobdella triannulata* Moore, 1924.
Sites: gill cavity on gills or inner surface of operculum
Hosts: *Catostomus catostomus* (1,4,5)
Catostomus columbianus (2)
Catostomus commersoni (1,3,4,5,6)
Dist.: BC, Sask, Ont
Records: 1. Reed 1962 (Sask); 2. Anonymous 1984 (BC); 3. Dechtiar and Christie 1988 (Ont); 4.

Dechtiar et al. 1988 (Ont); 5. Dechtiar and Lawrie 1988 (Ont); 6. Jones and Woo 1992a (Ont, exper)
Remarks: The synonymy is according to Daniels and Freeman (1976).

Actinobdella sp. (FW)
Site: inside operculum
Host: *Catostomus catostomus*
Dist.: Ont
Record: Dechtiar et al. 1989

Desserobdella phalera (Graf, 1899) Jones and Woo, 1990 (FW)

Site: body surface
Hosts: *Amia calva* (1,2,3)
Ameiurus nebulosus (1)
Anguilla rostrata (1,4)
Carassius auratus (1)
Esox lucius (1)
Gasterosteus aculeatus (1)
Micropterus salmoides (1)
Oncorhynchus mykiss (1)
Perca flavescens (1)
Stizostedion vitreum vitreum (1)
Dist.: Ont
Records: 1. Jones and Woo 1990b (Ont, exper); 2. 1990c (Ont); 3. 1991a (exper); 4. 1993 (exper)

Hemiclepsis marginata (O.F. Müller, 1774) Vedjovsky, 1884 (FW)
Site: [body surface]
Host: *Anguilla rostrata*
Dist.: This is a European species of leech not known to occur naturally in Canada.
Record: Jones and Woo 1993 (exper)

Placobdella montifera Moore, 1906 (FW)
Site: [body surface]
Hosts: *Acipenser fulvescens* (3)
Catostomus commersoni (2)
Esox lucius (2)
Moxostoma macrolepidotum (2)
Perca flavescens (1,2)
Stizostedion vitreum vitreum (2)
Dist.: Man
Records: 1. Szalai and Dick 1991a; 2. 1991b; 3. Choudhury and Dick 1993

Placobdella sp. (FW)
Site: body surface
Host: *Acipenser fulvescens*
Dist.: Man
Record: Choudhury et al. 1990

Unidentified Glossiphoniidae

Glossiphoniidae gen.sp. (FW)
Site: body surface

Host: *Acipenser fulvescens*
 Dist.: Man
 Record: Choudhury and Dick 1993 (Man)

Family PISCICOLIDAE

Beringbdella rectangulata (Levinsen, 1882) Caballero, 1974 (M)
 Site: inner operculum
 Host: *Gadus macrocephalus*
 Dist.: Pac
 Record: Madill 1988
 Remarks: Soos (1965) listed this species as *Levinsenia rectangulata* (Levinsen, 1882) Vasiliev, 1939, but according to Caballero (1974) the generic name is preoccupied and he proposed *Beringbdella* as the replacement name.

Calliobdella nodulifera (Malm, 1863) Johansson, 1898 (M)
 Sites: [body surface, fins, mouth]
 Hosts: *Lycodes lavalaei* (1,2,3,4)
Lycodes vahli (1,3)
 Dist.: Atl, E Arc
 Records: 1. Meyer and Khan 1979 (Atl); 2. Khan, Barrett, and Murphy 1980 (Atl); 3. Khan 1986 (E Arc, Atl); 4. Khan et al. 1991 (E Arc)

Calliobdella vivida (Verrill, 1872) Sawyer, Lawler, and Overstreet, 1975 (M)
 Sites: gills, body surface
 Hosts: *Acipenser oxyrhynchus* (1)
Alosa aestivalis (2)
Alosa pseudoharengus (2)
Alosa sapidissima (1,3)
Anarhichas lupus (1)
Clupea harengus (1)
Microgadus tomcod (1)
 Dist.: Atl, NS
 Records: 1. Appy and Dadswell 1981 (Atl); 2. Landry et al. 1992 (Atl); 3. Hogans et al. 1993 (NS)
 Remarks: Soos (1965) placed this species in the genus *Cystobranchus*.

Calliobdella spp. (M)
 Sites: body surface, fins
 Host: *Pleuronectes asper*
 Dist.: Pac
 Records: Sloan et al. 1984; Madill 1988

Cystobranchus verrilli Meyer, 1940 (FW)
 Sites: opercular region, gills
 Hosts: *Lota lota* (1,2)
Moxostoma macrolepidotum (3)
 Dist.: Alta, Man, Ont
 Records: 1. Leong and Holmes 1981 (Alta); 2. Dechtiar et al. 1989 (Ont); 3. Szalai and Dick 1991b (Man)

Johanssonia arctica (Johansson, 1899) Epshtein, 1968 (M)
 Site: [body surface]
 Hosts: *Anarhichas denticulatus* (4)
Anarhichas lupus (4,7)
Anarhichas minor (4)
Anguilla rostrata (4)
Gadus morhua (1,2,3,4,7)
Glyptocephalus cynoglossus (4,7)
Hemitripterus americanus (4)
Hippoglossoides platessoides (2,3,4,5,6,7)
Liparis gibbus (4)
Liparis sp. (7)
Lycodes lavalaei (4,7)
Lycodes vahli (4)
Macrozoarces americanus (4)
Melanogrammus aeglefinus (4)
Microgadus tomcod (4)
Myoxocephalus octodecemspinosus (4)
Myoxocephalus scorpius (4,7)
Pleuronectes americanus (4)
Pleuronectes ferrugineus (4)
Raja radiata (4,7)
Reinhardtius hippoglossoides (4,6,7)
Salmo salar (4)
Salmo trutta (4)
 Dist.: Atl, E Arc
 Records: 1. Meyer and Khan 1979 (Atl); 2. Khan, Barrett, and Murphy 1980 (Atl); 3. Khan and Emerson 1981 (exper); 4. Khan 1982a (Atl, exper); 5. 1982b (Atl); 6. 1986 (E Arc, Atl); 7. 1991c (Atl)
 Remarks: Khan and Emerson (1981) did not specify the hosts because their work was done on laboratory maintained populations of the leech, but the hosts presumably were the same as those recorded by Meyer and Khan (1979) and Khan, Barrett, and Murphy (1980).

Malmiana brunnea (Johansson, 1896) Strand, 1942 (M)
 Sites: fins, body surface, gill cavity
 Hosts: *Myoxocephalus octodecemspinosus* (2)
Myoxocephalus scorpius (1,3,4)
 Dist.: Atl, E Arc
 Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Appy and Dadswell 1981 (Atl); 3. Khan and Emerson 1981 (exper); 4. Stewart and Bernier 1983 (E Arc)
 Remarks: Khan and Emerson (1981) did not specify the host because their work was done on laboratory maintained populations of the leech, but the host presumably was the same as that previously recorded by Khan, Barrett, and Murphy (1980).

Malmiana scorpii (Malm, 1863) Strand, 1942 (M)
 Sites: body surface, buccal cavity
 Hosts: *Myoxocephalus octodecemspinosus* (1,2,3,5,6,7)
Myoxocephalus scorpius (4)
 Dist.: E Arc, Atl

Records: 1. Khan, Barrett, and Murphy 1980 (Atl); 2. Appy and Dadswell 1981 (Atl); 3. Khan and Emerson 1981 (exper); 4. Khan et al. 1991 (E Arc); 5. Siddall and Desser 1992 (Atl); 6. 1993a (Atl); 7. 1993b (exper)
 Remarks: Khan and Emerson (1981) did not specify the host because their work was done on laboratory maintained populations of the leech, but the host presumably was the same as that previously recorded by Khan, Barrett, and Murphy (1980).

Malmiana spp. (M)

Sites: fins, gills, body surface
 Hosts: *Anarrhichthys ocellatus*
Merluccius productus
Myoxocephalus scorpius
Pleuronectes bilineatus
Sebastes alutus
Sebastes alascanus

Dist.: Pac, E Arc

Record: Madill 1988

Remarks: The record of this parasite by Madill (1988) from *Anarrhichthys ocellatus* is based on specimens recovered from the pectoral fin of the host from the Vancouver Public Aquarium in Stanley Park, Vancouver, B.C.

Myzobdella lugubris Leidy, 1851 (FW,M)

Syns.: *Illinobdella alba* Meyer, 1940
Myzobdella alba Meyer, 1940 of Dechtiar and Christie, 1988
Myzobdella moorei (Meyer, 1940) Meyer and Moore, 1954

Sites: fins, body surface

Hosts: *Ambloplites rupestris* (5,6,7)
Ameiurus nebulosus (3,5)
Anarrhichthys lupus (9)
Catostomus catostomus (1)
Catostomus commersoni (12)
Fundulus heteroclitus (2)
Ictalurus punctatus (5,8)
Lepomis gibbosus (5,10)
Lota lota (7)
Micropterus dolomieu (5,6,8)
Moxostoma macrolepidotum (12)
Notropis hudsonius (12)
Perca flavescens (6,11,12)
Percina caprodes (3,12)
Percopsis omiscomaycus (12)
Pomoxis nigromaculatus (3)
Stizostedion vitreum vitreum (4,8,12)

Dist.: Alta, Sask, Man, Ont, Atl

Records: 1. Reed 1962 (Sask); 2. Appy and Dadswell 1981 (Atl); 3. Appy and Cone 1982 (Ont); 4. Moore, cited in McAllister and Mudry 1983 (Alta); 5. Dechtiar and Christie 1988 (Ont); 6. Dechtiar et al. 1988 (Ont); 7. Dechtiar and Lawrie 1988 (Ont); 8. Dechtiar and Nepszy 1988 (Ont); 9. Madill 1988

(Atl); 10. Dechtiar et al. 1989 (Ont); 11. Szalai and Dick 1991a (Man); 12. 1991b (Man)

Remarks: The synonymy follows Appy and Dadswell (1981), as adapted from Sawyer et al. (1975). Margolis and Arthur (1979) listed previous Canadian records as *Illinobdella alba*, *Illinobdella elongata*, and *Myzobdella moorei*.

Myzobdella spp. (FW)

Sites: fins, skin

Hosts: *Catostomus commersoni* (2)

Esox lucius (1)

Dist.: Ont

Records: 1. Dechtiar et al. 1988; 2. Dechtiar and Nepszy 1988

Remarks: Margolis and Arthur (1979) listed previous Canadian records as *Illinobdella* spp.

Notostomum cyclostoma Johnsson, 1858 (M)

Syn.: *Notostomobdella cyclostoma* (Johnsson, 1858)
 Moore and Meyer, 1951

Site: body surface

Host: *Hippoglossus stenolepis*

Dist.: Pac

Record: Sloan et al. 1984

Remarks: Moore and Meyer (1951) proposed *Notostomobdella* as a replacement for *Notostomum*, believing it to be preoccupied by *Notostomus*. This is in error according to the International Code of Zoological Nomenclature and hence the valid name is *Notostomum*. *Notostomobdella* was accepted as valid by Soos (1963).

Oceanobdella microstoma (Johansson, 1896) Caballero, 1956 (M)

Site: [gill cavity]

Hosts: *Myoxocephalus octodecemspinosus*
Myoxocephalus scorpius

Dist.: Atl

Record: Khan, Barrett, and Murphy 1980

Oceanobdella pallida Burreson, 1977 (M)

Syn. *Oceanobdella* sp. of Kabata and Whitaker, 1984

Sites: body surface, gills

Host: *Pleuronectes vetulus*

Dist.: Pac

Records: Kabata and Whitaker 1984; Madill 1988

Remarks: The record of *Oceanobdella* sp. by Kabata and Whitaker (1984) is likely *O. pallida* as reported by Madill (1988) because the host for both reports was caught in Hecate Strait off the Queen Charlotte Islands, B.C.

Oceanobdella sexoculata (Malm, 1863) Caballero, 1956 (M)

Sites: mouth, body surface, fins

Host: *Macrozoarces americanus* (1,2,3,4,5)

Dist.: Atl

- Records: 1. Khan and Meyer 1978 (Atl); 2. Khan, Barrett, and Murphy 1980 (Atl); 3. Appy and Dadswell 1981 (Atl); 4. Khan and Emerson 1981 (exper); 5. Madill 1988 (Atl)
Remarks: Khan and Emerson (1981) did not specify the host because their work was done on laboratory maintained populations of the leech, but the host presumably was the same as that previously recorded by Khan and Meyer (1978) and Khan, Barrett, and Murphy (1980).
- Oceanobdella* sp. (M)
Host: *Triglops pingeli*
Dist. E Arc
Record: Stewart and Bernier 1984
- Ostreobdella papillata* Burreson, 1977 (M)
Site: body surface
Host: *Sebastes nigrocinctus*
Dist.: Pac
Record: Madill 1988
Remarks: The record by Madill (1988) from *Sebastes nigrocinctus* was based on material recovered from this host held at the Vancouver Public Aquarium in Stanley Park, Vancouver, B.C.
- Oxytonostoma typica* Malm, 1863 (M)
Site: [gill cavity]
Hosts: *Malacoraja senta*
Raja erinacea
Raja ocellata
Raja radiata
Dist.: Atl
Record: Appy and Dadswell 1981
- Piscicola geometra* (Linnaeus, 1758) de Blainville, 1818 (FW)
Site: [body surface]
Hosts: *Catostomus catostomus* (2)
Catostomus commersoni (2)
Coregonus artedii (3)
Coregonus clupeaformis (3)
Esox lucius (2)
Perca flavescens (3)
Salvelinus namaycush (3)
Stizostedion vitreum vitreum (1,2)
Dist.: Sask, Que
Records: 1. Rawson 1957a (Sask); 2. 1957b (Sask); 3. Madill 1988 (Sask, Que)
- Piscicola milneri* (Verrill, 1874) Ryerson, 1915 (FW)
Sites: body surface, fins
Hosts: *Coregonus artedii* (1,2)
Coregonus clupeaformis (1,2)
Esox lucius (1,3)
Oncorhynchus mykiss (6)
Prosopium cylindraceum (4)
- Salvelinus fontinalis* (5,6)
Dist.: Alta, Man, Ont
Records: 1. Watson, cited in Lubinsky and Loch 1979 (Man); 2. Watson and Dick 1979 (Man); 3. 1980 (Man); 4. Dechtiar and Lawrie 1988 (Ont); 5. Madill 1988 (Ont); 6. Dies 1990 (Alta)
- Piscicola punctata* (Verrill, 1871) Moore, 1912 (FW)
Sites: fins, skin
Hosts: *Acipenser fulvescens* (6)
Coregonus clupeaformis (1)
Cottus bairdi (5)
Osmerus mordax (5)
Perca flavescens (1)
Percopsis omiscomaycus (5)
Salvelinus fontinalis (3,4,5,7)
Stizostedion vitreum vitreum (2)
Dist.: Alta, Sask, Ont, NB
Records: 1. Rawson 1930 (Ont); 2. 1957a (Sask); 3. Frimeth 1987a (NB); 4. 1987b (NB); 5. Dechtiar et al. 1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Madill 1988 (Alta)
Remarks: Rawson (1930) cited the hosts as "whitefish and perch", but on p.159 an annotated list of the fishes gave the scientific names for the whitefish and perch as *Coregonus clupeaformis* and *Perca flavescens*, respectively.
- Piscicola sahmositica* Meyer, 1946 (FW)
Sites: [body surface, gill cavity, fins]
Hosts: *Catostomus macrocheilus* (2,3)
Oncorhynchus keta (6)
Oncorhynchus ishawytscha (2,3,4,5,6)
Oncorhynchus spp. (1,7)
Dist.: BC
Records: 1. Woo 1979; 2. Anonymous 1981; 3. 1984; 4. Bower and Margolis 1984a; 5. 1984b; 6. 1985a; 7. Bower and Thompson 1987
- Piscicola* spp. (FW)
Sites: body surface, snout, gills, fins
Hosts: *Acipenser fulvescens* (6)
Ambloplites rupestris (3)
Catostomus macrocheilus (2)
Margariscus margarita (5)
Micropterus dolomieu (3)
Notemigonus crysoleucas (4)
Prosopium williamsoni (2)
Semotilus atromaculatus (5)
Stizostedion vitreum vitreum (1)
Dist.: BC, Man, Ont
Records: 1. Anthony 1978b (Ont); 2. Anonymous 1981 (BC); 3. Mackie et al. 1983 (Ont); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al. 1989 (Ont); 6. Choudhury et al. 1990 (Man)
- Piscicolaria reducta* Meyer, 1940 (FW)
Site: [fins]

Host: *Percina caprodes*
Dist.: Ont
Record: Appy and Cone 1982

Platybdella anarhichae (Diesing, 1859) emend. Malm,
1863 (M)

Sites: gills, inner operculum
Hosts: *Anarhichas denticulatus* (5)
Anarhichas lupus (1,2,3,4,5,6,7)
Anarhichas minor (1,2,3)

Dist.: Atl, E Arc

Records: 1. Meyer and Khan 1979 (Atl); 2. Khan,
Barrett, and Murphy 1980 (Atl); 3. Zubchenko 1980
(Atl); 4. Appy and Dadswell 1981 (Atl); 5. Khan
1986 (E Arc, Atl); 6. Madill 1988 (Atl); 7. Khan et
al. 1991 (E Arc)

Platybdella olriki Malm, 1865 (M)

Sites: body surface, gills
Hosts: *Lycodes lavalaei* (2,3)
Lycodes reticulatus (1)
Lycodes vahli (2,3)
Myoxocephalus scorpius (4)

Dist.: Atl, E Arc

Records: 1. Meyer and Khan 1979 (Atl); 2. Khan 1980
(Atl); 3. Khan, Barrett, and Murphy 1980 (Atl); 4.
Stewart and Bernier 1983 (E Arc)

Unidentified Hirudinea

Hirudinea gen.spp. (M,FW)

Sites: [body surface, gills, gill cavity]
Hosts: *Boreogadus saida* (5)
Catostomus macrocheilus (3)
Lycodes lavalaei (1)
Pleuronectes bilineatus (4)
Prosopium williamsoni (3)
Raja radiata (2,5)

Dist.: Pac, BC, Atl, E Arc

Records: 1. Khan 1978 (Atl); 2. Khan, Barrett, and
Murphy 1980 (Atl); 3. Anonymous 1984 (BC); 4.
Kabata and Whitaker 1984 (Pac); 5. Khan et al. 1991
(E Arc)

PHYLUM MOLLUSCA

CLASS PELECYPODA

ORDER EULAMELLIBRANCHIA

Superfamily UNIONACEA

Family MARGARITIFERIDAE

Margaritifera margaritifera (Linnaeus, 1758) Schumacher,
1816 glochidium (FW)

Site: gills

Host: *Salmo salar*
Dist.: NS
Record: Cunjack and McGladdery 1991

Family UNIONIDAE

Anodonta cataracta Say, 1817 glochidium (FW)

Sites: gills, fins, opercula
Hosts: *Gasterosteus aculeatus*
Salmo salar
Salvelinus fontinalis

Dist.: Nfld

Record: Threlfall 1986

Anodonta grandis simpsoniana Lea, 1861 glochidium
(FW)

Sites: body surface, gills, fins
Host: *Perca flavescens*
Dist.: Alta
Records: Jansen 1991a; Jansen and Hanson 1991

Anodonta sp. glochidium (FW)

Site: gills
Host: *Ptychocheilus oregonensis*
Dist.: BC
Record: Anonymous 1984

Lampsilis radiata (Gmelin, 1791) Rafinesque, 1820
glochidium (FW)

Site: gills
Hosts: *Ambloplites rupestris* (1,2,3,4,5,6)
Lepomis gibbosus (1,2,3,4,5,6)

Dist.: Ont

Records: 1. Hanek 1979; 2. Hanek and Fernando 1978a;
3. 1978b; 4. 1978d; 5. 1978e; 6. 1978f

Unidentified Mollusca

Unionidae gen.spp. glochidium (FW)

Sites: fins, gills, skin
Hosts: *Alosa aestivalis* (15)
Alosa pseudoharengus (15)
Ambloplites rupestris (10)
Ameiurus nebulosus (9)
Anguilla rostrata (9)
Aplodinotus grunniens (12)
Carpionodes cyprinus (8,12)
Catostomus catostomus (10,13)
Catostomus commersoni (9,10,12)
Coregonus artedii (13)
Cottus ricei (10)
Couesius plumbeus (10)
Esox lucius (2,3,6,9)
Esox masquinongy (6)
Gasterosteus aculeatus (9)

Ictalurus punctatus (12)
Lepomis gibbosus (9)
Lepomis macrochirus (9)
Lota lota (10)
Luxilus cornutus (13)
Micropterus dolomieu (9,12)
Morone chrysops (10,12)
Notemigonus crysoleucas (13)
Osmerus mordax (5)
Perca flavescens (1,9,10,11,12,14)
Percopsis omiscomaycus (9,11)
Phoxinus eos (13)
Phoxinus neogaeus (10)
Prosopium cylindraceum (13)
Salmo salar (7)
Salvelinus fontinalis (4,7,13)
Salvelinus fontinalis × *Salvelinus namaycush*
 (13)
Semotilus atromaculatus (10,13)
Stizostedion vitreum vitreum (1,9,12)

Dist.: Man, Ont, Que, Nfld, Atl

Records: 1. Anthony 1978b (Ont); 2. Watson, cited in Lubinsky and Loch 1979 (Man); 3. Watson and Dick 1980 (Man); 4. Black 1981 (Que); 5. Threlfall 1981 (Nfld); 6. Anthony 1983 (Ont); 7. Cone and Ryan 1984 (Nfld); 8. Szalai and Dick 1987a (Man); 9. Dechtiar and Christie 1988 (Ont); 10. Dechtiar et al. 1988 (Ont); 11. Dechtiar and Lawrie 1988 (Ont); 12. Dechtiar and Nepszy 1988 (Ont); 13. Dechtiar et al. 1989 (Ont); 14. Szalai and Dick 1991a (Man); 15. Landry et al. 1992 (Atl)

PHYLUM ARTHROPODA
 CLASS CRUSTACEA
 SUBCLASS BRANCHIURA
 ORDER ARGULOIDEA
 Family ARGULIDAE

Argulus alosae Gould, 1912 (M)
 Site: body surface
 Hosts: *Acipenser brevirostrum* (1)
Oncorhynchus mykiss (4)
Salmo salar (4)
Salvelinus fontinalis (2,3)
 Dist.: NB, NB-b, Atl
 Records: 1. Appy and Dadswell 1978 (NB-b); 2. Frimeth 1987a (NB); 3. 1987b (NB); 4. Stuart 1990 (Atl)

Argulus appendiculatus Wilson, 1907 (FW)
 Site: fins
 Hosts: *Carpionodes cyprinus* (3)
Catostomus commersoni (2,3)

Coregonus artedii (3)
Esox lucius (3)
Hiodon alosoides (1)
Notropis atherinoides (3)
Stizostedion vitreum vitreum (2,3)

Dist.: Sask, Man, Ont

Records: 1. Reed 1962 (Sask); 2. Dick, cited in Kabata 1988 (Ont); 3. Szalai and Dick 1991b (Man)

Argulus biramosus Bere, 1931 (FW)
 Site: fins

Hosts: *Catostomus commersoni* (2)
Coregonus clupearformis (2)
Ictalurus punctatus (1)

Dist.: Alta, Ont

Records: 1. Dechtiar and Nepszy 1988 (Ont); 2. Clifford 1991 (Alta)

Argulus borealis Wilson, 1912 (M)
 Site: [body surface]

Host: *Cymatogaster aggregata*

Dist.: Pac

Records: Arai et al. 1988; Kabata 1988

Argulus catostomi Dana and Herrick, 1837 (FW)
 Sites: body surface, fins

Hosts: *Carpionodes cyprinus* (3)
Catostomus catostomus (2)
Catostomus commersoni (1,3)
Lepomis gibbosus (1)
Moxostoma macrolepidotum (2)
Phoxinus neogaeus (2)

Dist.: Ont

Records: 1. Dechtiar and Christie 1988; 2. Dechtiar et al. 1988; 3. Dechtiar and Nepszy 1988

Argulus pugettensis Dana, 1852 (M)
 Site: body surface
 Host: *Hexagrammos stelleri*
 Dist.: Pac
 Record: Kabata 1988

Argulus stizostethi Kellicott, 1880 (FW,M)
 Syn.: *Argulus canadensis* Wilson, 1916
 Site: body surface
 Hosts: *Catostomus commersoni* (3)
Coregonus artedii (2,3,4)
Coregonus clupearformis (2,3,4)
Esox lucius (3,5)
Gasterosteus aculeatus (6,7,8,9,10,11)
Gasterosteus wheatlandi (7,8,9,10,11)
Pungitius pungitius (6,7,9,10)
Stizostedion vitreum vitreum (1,2,3)

Dist.: Sask, Man, Atl

Records: 1. Rawson 1957a (Sask); 2. 1957b (Sask); 3. Stewart-Hay, Watson, both cited in Lubinsky and Loch 1979 (Man); 4. Watson and Dick 1979 (Man); 5. 1980 (Man); 6. Poulin and Fitzgerald 1987 (Atl);

7. 1988 (Atl); 8. 1989a (Atl, exper); 9. 1989b (Atl, exper); 10. 1989c (Atl, exper); 11. 1989d (Atl, exper)

Remarks: The synonymy is according to Meehan (1940).

Argulus sp. (FW)
Site: body surface
Host: *Esox lucius*
Dist.: Ont
Record: Dechtiar et al. 1988

SUBCLASS ENTOMOSTRACA
ORDER COPEPODA
SUBORDER CYCLOPOIDA
Family LERNAEIDAE

Lernaea catostomi (Krøyer, 1863) Wilson, 1917 (FW)
Site: [head embedded in musculature with body protruding externally]
Hosts: *Catostomus catostomus*
Catostomus commersoni
Moxostoma macrolepidotum
Dist.: Sask
Record: Reed 1962

Lernaea cruciata (LeSueur, 1824) Wilson, 1917 (FW)
Site: [head embedded in musculature with body protruding externally]
Hosts: *Ambloplites rupestris* (1,3)
Lepomis gibbosus (2)
Dist.: Que
Records: 1. Lewis and Doucet 1981; 2. Lewis et al. 1984; 3. Lewis and Fairchild 1984

Lernaea cyprinacea Linnaeus, 1758 (FW)
Site: head embedded in musculature with body protruding externally
Hosts: *Catostomus commersoni* (2)
Cyprinus carpio (1)
Dist.: Man, Ont
Records: 1. Dechtiar et al. 1988 (Ont); 2. Szalai and Dick 1991b (Man)

Lernaea sp. (FW)
Site: [head embedded in musculature with body protruding externally]
Host: *Fundulus notatus*
Dist.: Ont
Record: McKee and Parker 1982

Family PHYLICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970 (M)
Site: cephalic sensory canals
Host: *Sebastes flavidus*

Dist.: Pac
Record: West 1992

SUBORDER POECILOSTOMATOIDA
Family BOMOLOCHIDAE

Bomolochus cuneatus Fraser, 1920 (M)
Sites: gill cavity, gills
Hosts: *Clupea pallasii* (1,2,4)
Cymatogaster aggregata (3,4)
Hexagrammos stelleri (4)
Leptocottus armatus (4)
Rhacochilus vacca (4)
Syngnathus leptorhynchus (4)

Dist.: Pac
Records: 1. Arthur and Arai 1980a; 2. 1980b; 3. Arai et al. 1988; 4. Kabata 1988

Holobomolochus occultus Kabata, 1971 (M)
Site: gill cavity
Hosts: *Hemilepidotus spinosus*
Rhacochilus vacca
Dist.: Pac
Record: Kabata 1988

Holobomolochus venustus Kabata, 1971 (M)
Site: gill cavity
Host: *Hexagrammos stelleri*
Dist.: Pac
Record: Kabata 1988

Holobomolochus spp. (M)
Site: gill cavity
Hosts: *Clinocottus acuticeps* (2)
Cymatogaster aggregata (1)
Gasterosteus aculeatus (1)
Dist.: Pac
Records: 1. Rohde, cited in Kabata 1988; 2. Roth 1988

Family CHONDRACANTHIDAE

Acanthochondria cornuta (O. F. Müller, 1776) Oakley, 1930 (M)
Site: gill cavity
Host: *Hippoglossoides platessoides*
Dist.: Atl
Records: Zubchenko 1980; 1985a

Acanthochondria dojiri Kabata, 1984 (M)
Site: gill cavity
Host: *Pleuronectes vetulus*
Dist.: Pac

- Record: Kabata 1984
- Acanthochondria epachthes* (Wilson, 1908) Oakley, 1930 (M)
 Syn.: *Acanthochondria holocephalarum* Kabata, 1968
 Site: [gill cavity]
 Host: *Hydrolagus colliei*
 Dist.: Pac
 Record: Kabata 1988
 Remarks: The synonymy is according to Kabata (1984). Margolis and Arthur (1979) listed the only Canadian record as *Acanthochondria holocephalarum*.
- Acanthochondria fraseri* Ho, 1972 (M)
 Site: gill cavity
 Host: *Pleuronichthys decurrens*
 Dist.: Pac
 Record: Kabata 1988
- Acanthochondria hippoglossi* Kabata, 1987 (M)
 Site: buccal cavity
 Hosts: *Hippoglossoides elassodon*
Hippoglossus stenolepis
 Dist.: Pac
 Record: Kabata 1987a
- Acanthochondria margolisi* Kabata, 1984 (M)
 Site: gill cavity
 Host: *Microstomus pacificus*
 Dist.: Pac
 Record: Kabata 1984
- Acanthochondria rectangularis* (Fraser, 1920) Markevich, 1956 (M)
 Site: gill cavity
 Host: *Platichthys stellatus*
 Dist.: Pac
 Records: Kabata 1984; 1988
- Acanthochondria vancouverensis* Kabata, 1984 (M)
 Site: nasal capsules
 Host: *Scorpaenichthys marmoratus*
 Dist.: Pac
 Record: Kabata 1984
- Acanthochondria* spp. (M)
 Site: gills
 Hosts: *Microstomus pacificus*
Pleuronectes vetulus
 Dist.: Pac
 Record: Kabata and Whitaker 1984
- Chondracanthodes radiatus* (Müller, 1776) Yamaguti, 1963 (M)
 Syn.: *Chondracanthus radiatus* Müller, 1776
 Site: gill cavity
 Hosts: *Coryphaenoides rupestris* (1,3)
Macrourus berglax (2,3)
- Dist.: Atl
 Records: 1. Zubchenko 1981; 2. Ho 1985; 3. Hogans, cited in Kabata 1988
 Remarks: The synonymy is according to Kabata (1988).
- Chondracanthodes tuberosifurcatus* Kabata and Gusev, 1966 (M)
 Site: [gill chamber]
 Host: *Macrourus berglax*
 Dist.: Atl
 Record: Noble 1973
 Remarks: Noble (1973) reported this parasite as *Chondracanthodes tuberosifuratus* which is a lapsus for *C. tuberosifurcatus*.
- Chondracanthus cottunculi* Rathbun, 1886 (M)
 Site: gills
 Host: *Cottunculus thompsoni*
 Dist.: Atl
 Record: Hogans, cited in Kabata 1988
- Chondracanthus deltoideus* Fraser, 1920 (M)
 Syn.: *Acanthochondria deltoidea* (Fraser, 1920) Ito, 1970
 Site: gill cavity
 Host: *Hexagrammos decagrammus*
 Dist.: Pac
 Record: Kabata 1984
 Remarks: Kabata (1984) redescribed and validated the placement of this species in genus *Chondracanthus*. Margolis and Arthur (1979) listed previous Canadian records as *Acanthochondria deltoidea*.
- Chondracanthus nodosus* (O. F. Müller, 1776) Wilson, 1917 (M)
 Syn.: *Chondracanthopsis nodosus* (O. F. Müller, 1776) Oakley, 1930
 Site: gills
 Hosts: *Sebastes fasciatus* (2)
Sebastes mentella (2)
Sebastes norvegicus (1,2)
 Dist.: Atl
 Records: 1. Sindermann 1961; 2. Bourgeois and Ni 1984
 Remarks: The synonymy is according to Kabata (1968).
- Chondracanthus palpifer* Wilson, 1912 (M)
 Sites: buccal cavity, base of fins, skin
 Hosts: *Gadus macrocephalus* (2)
Merluccius productus (1)
 Dist.: Pac
 Records: 1. Sankurathri et al. 1983; 2. Ho 1991
- Chondracanthus pinguis* Wilson, 1912 (M)
 Sites: gill filaments, operculum
 Hosts: *Sebastes alutus* (1)
Sebastes babcocki (1)
Sebastes brevispinis (1)
Sebastes flavidus (1,2,3)

- Sebastes maliger* (1)
Sebastes pinniger (1)
 Dist.: Pac
 Records: 1. Kabata 1988; 2. Lee et al. 1990; 3. Stanley et al. 1992
- Chondracanthus triventricosus* Sekerak, 1970 (M)
 Site: nasal cavity
 Host: *Sebastes flavidus*
 Dist.: Pac
 Records: Lee et al. 1990; Stanley et al. 1992
- Diocus frigidus* Hansen, 1923 (M)
 Site: gills
 Hosts: *Lycodes lavalaei* (1,2)
Lycodes vahli (2)
 Dist.: Atl
 Records: 1. Khan 1978a; 2. Khan, Barrett, and Murphy 1980
- Lateracanthus quadripedis* Kabata and Gusev, 1966 (M)
 Site: gill cavity
 Host: *Macrourus berglax*
 Dist.: Atl
 Records: Khan, Barrett, and Murphy 1980; Hogans, cited in Kabata 1988
- Tautochondria dolichoura* Ho, 1987 (M)
 Site: gills
 Host: *Anoplogaster cornuta*
 Dist.: Atl
 Record: Ho 1987

Family ERGASILIDAE

- Ergasilus auritus* Markevich, 1940 (FW)
 Site: gills
 Hosts: *Coregonus artedii* (1)
Coregonus clupearformis (1)
Oncorhynchus kisutch (1)
Osmerus mordax (2)
Pungitius pungitius (1)
Salvelinus namaycush (1)
 Dist.: Alta, Nfld
 Records: 1. Leong and Holmes 1981 (Alta); 2. Threlfall 1981 (Nfld)
- Ergasilus caeruleus* Wilson, 1911 (FW)
 Site: gills
 Hosts: *Ambloplites rupestris* (1,2,10)
Carpionodes cyprinus (12)
Catostomus catostomus (3,4,5,6,7,8,10,11,13)
Catostomus commersoni (3,9,10,11,12)
Cyprinus carpio (9)
Esox lucius (11)
Lepomis gibbosus (1,2,9)

- Lepomis macrochirus* (9)
Micropterus dolomieu (10)
Moxostoma macrolepidotum (10)
Oncorhynchus nerka (10)
Perca flavescens (3,10)
Percopsis omiscomaycus (10,11)
Pomoxis nigromaculatus (9)
Rhinichthys cataractae (10)
Salvelinus fontinalis x *Salvelinus namaycush* (3)
Stizostedion vitreum vitreum (9,10,12)
 Dist.: Ont, Lab
 Records: 1. Hanek 1974 (Ont); 2. Chinniah and Threlfall 1978 (Lab); 3. Dechtiar and Berst 1978 (Ont); 4. Hanek and Fernando 1978a (Ont); 5. 1978b (Ont); 6. 1978d (Ont); 7. 1978e (Ont); 8. 1978f (Ont); 9. Dechtiar and Christie 1988 (Ont); 10. Dechtiar et al. 1988 (Ont); 11. Dechtiar and Lawrie 1988 (Ont); 12. Dechtiar and Nepszy 1988 (Ont); 13. Dechtiar et al. 1989 (Ont)
- Ergasilus celestis* Mueller, 1936 (FW)
 Site: gills
 Hosts: *Anguilla rostrata* (3)
Lota lota (1,2)
 Dist.: Ont, NS
 Records: 1. Dechtiar et al. 1988 (Ont); 2. 1989 (Ont); 3. Cone et al. 1993 (NS)
- Ergasilus centrarchidarum* Wright, 1882 (FW)
 Site: gills
 Hosts: *Ambloplites rupestris* (1,2,3,4,5,6,7,8)
Lepomis gibbosus (1,2,3,4,5,6)
Micropterus dolomieu (7,8,9,10)
Micropterus salmoides (7)
Morone chrysops (7)
 Dist.: Ont
 Records: 1. Hanek 1974; 2. Hanek and Fernando 1978a; 3. 1978b; 4. 1978d; 5. 1978e; 6. 1978f; 7. Dechtiar and Christie 1988; 8. Dechtiar and Lawrie 1988; 9. Dechtiar and Nepszy 1988; 10. Dechtiar et al. 1989
- Ergasilus cotti* Kellicott, 1879 (FW)
 Site: gills
 Host: *Cottus bairdi*
 Dist.: Ont
 Record: Dechtiar and Lawrie 1988
- Ergasilus elongatus* Wilson, 1916 (FW)
 Site: gills
 Hosts: *Coregonus clupearformis*
Salvelinus namaycush
 Dist.: Ont
 Record: Dechtiar et al. 1989
- Ergasilus labracis* Krøyer, 1864 (M,FW)
 Syn.: *Ergasilus funduli* Krøyer of Fréchet et al., 1983
 Site: gills
 Hosts: *Morone saxatilis* (2,6)

Osmerus mordax (1,6)
Salmo salar (5,6,7)
Salvelinus fontinalis (3,4)
 Dist.: Que-b, NB, NB-b, NS, Atl
 Records: 1. Fréchet et al. 1983 (Atl, Que-b); 2. Hogans 1985a (Atl, NB); 3. Frimeth 1987a (NB); 4. 1987b (NB, NB-b, Atl); 5. Hogans 1989 (Atl); 6. Hogans 1991 (NB, NS); 7. O'Halloran et al. 1992 (NB-b)
 Remarks: The synonymy is according to Kabata (1986), who re-examined Fréchet et al.'s (1983) material and identified it as *Ergasilus labracis*.

Ergasilus lizae Krøyer, 1863 (FW)
 Site: [gills]
 Host: *Carpionodes cyprinus*
 Dist.: Man
 Record: Szalai and Dick 1987a

Ergasilus luciopercarum Henderson, 1926 (FW)
 Site: gills
 Hosts: *Esox lucius* (2,3)
Perca flavescens (1,2,5,6,7,8,9,10)
Percopsis omiscomaycus (2)
Stizostedion canadense (2)
Stizostedion vitreum vitreum (1,2,4,5,6,7,8,9)
 Dist.: Man, Ont, Que
 Records: 1. Anthony 1978b (Ont); 2. Watson, cited in Lubinsky and Loch 1979 (Man); 3. Watson and Dick 1980 (Man); 4. Kinnis and Curtis 1981 (Que); 5. Poole and Dick 1985 (Man); 6. Dechtiar and Christie 1988 (Ont); 7. Dechtiar et al. 1988 (Ont); 8. Dechtiar and Lawrie 1988 (Ont); 9. Dechtiar and Nepszy 1988 (Ont); 10. Szalai and Dick 1991a (Man)

Ergasilus manicatus Wilson, 1911 (M)
 Remarks: Kabata (1986) pointed out that Roberts' (1970) tentative suggestion that *Ergasilus manicatus* is a synonym of *Ergasilus funduli* was not sustainable. Therefore, the citation of Bere's (1930) records as *E. funduli* by Margolis and Arthur (1979) should be corrected to *E. manicatus*.

Ergasilus nerkae Roberts, 1963 (FW)
 Site: gills
 Hosts: *Catostomus catostomus* (2,3,9)
Catostomus commersoni (1,7)
Catostomus macrocheilus (1,7)
Coregonus artedii (4,5,6)
Coregonus clupeaformis (1,4,5,6,7)
Mylocheilus caurinus (1,7)
Oncorhynchus kisutch (6)
Oncorhynchus mykiss (3,7)
Oncorhynchus nerka (1,7,8,10,11)
Ptychocheilus oregonensis (1,7)
Salvelinus namaycush (6)
Thymallus arcticus (1,7)
 Dist.: Pac, BC, Alta, Man, Ont

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Watson, cited in Lubinsky and Loch 1979 (Man); 5. Watson and Dick 1979 (Man); 6. Leong and Holmes 1981 (Alta); 7. Arai and Mudry 1983 (BC); 8. Bailey and Margolis 1987 (BC); 9. Courtney 1987 (Ont); 10. Bailey, Margolis, and Groot 1988 (Pac); 11. Groot et al. 1989 (Pac)
 Remarks: The record in Anonymous (1978) for this parasite from *Mylocheilus caurinus* was found only in the parasite-host list.

Ergasilus turgidus Fraser, 1920 (M)
 Site: gills
 Host: *Cymatogaster aggregata*
 Dist.: Pac
 Records: Arai et al. 1988; Kabata 1988

Ergasilus versicolor Wilson, 1911 (FW)
 Site: gills
 Hosts: *Ameiurus nebulosus* (1,2,3)
Anguilla rostrata (2)
Culaea inconstans (3)
Ictalurus punctatus (2,3,4)
Noturus flavus (3)
 Dist.: Man, Ont
 Records: 1. Welch, cited in Lubinsky and Loch 1979 (Man); 2. Dechtiar and Christie 1988 (Ont); 3. Dechtiar et al. 1988 (Ont); 4. Dechtiar and Nepszy 1988 (Ont)

Ergasilus spp. (FW)
 Site: gills
 Hosts: *Ameiurus nebulosus* (8)
Amia calva (5)
Carpionodes cyprinus (5)
Catostomus catostomus (2)
Catostomus commersoni (2,8)
Cottus ricei (5)
Couesius plumbeus (5)
Culaea inconstans (8)
Gasterosteus aculeatus (3,4)
Luxilus cornutus (5,8)
Morone chrysops (7)
Notemigonus crysoleucas (8)
Notropis hudsonius (1,6)
Perca flavescens (1)
Pimephales notatus (8)
Pungitius pungitius (1,5)
Salmo salar (3,9)
Salvelinus fontinalis (3,9)
Semotilus atromaculatus (8)
Semotilus corporalis (8)
Stizostedion vitreum vitreum (1)

Dist.: Alta, Man, Ont, Nfld
 Records: 1. Stewart-Hay, McLeod, both cited in Lubinsky and Loch 1979 (Man); 2. Leong and Holmes 1981 (Alta); 3. Cone and Ryan 1984 (Nfld); 4. Dechtiar and Christie 1988 (Ont); 5. Dechtiar et al.

1988 (Ont); 6. Dechtiar and Lawrie 1988 (Ont); 7. Dechtiar and Nepszy 1988 (Ont); 8. Dechtiar et al. 1989 (Ont); 9. Marcogliese and Cone 1991 (Nfld)

Thersitina gasterostei (Pagenstecher, 1861) Norman, 1905 (FW,B)

Sites: [gill cavity, gills]

Hosts: *Gasterosteus aculeatus* (1)

Pungitius pungitius (1,2)

Dist.: Que-b, NS

Records: 1. Poulin and Fitzgerald 1987 (Que-b); 2. Marcogliese 1992b (NS)

Family LERNAEOSOLEIDAE

Bobkabata kabatabobbus Hogans and Benz, 1990 (M)

Site: mesoparasitic in flesh of anterior base of dorsal fin

Host: *Cottunculus thompsoni*

Dist.: Atl

Record: Hogans and Benz 1990

SUBORDER SIPHONOSTOMATOIDEA

Family CALIGIDAE

Caligus clemensi Parker and Margolis, 1964 (M)

Sites: body surface, fins

Hosts: *Clupea pallasii* (1)

Gasterosteus aculeatus (3)

Oncorhynchus keta (2)

Oncorhynchus kisutch (5)

Oncorhynchus mykiss (5)

Oncorhynchus tshawytscha (5)

Salmo salar (4,5)

Dist.: Pac

Records: 1. Arthur and Arai 1980a; 2. Whitaker 1985; 3. Kabata 1988; 4. Kent et al. 1990; 5. Johnson and Kent 1992

Caligus coryphaenae Steenstrup and Lütken, 1861 (M)

Site: body surface

Host: *Thunnus thynnus*

Dist.: Atl

Record: Hogans 1985b

Caligus curtus O. F. Müller, 1785 (M)

Site: body surface

Hosts: *Gadus morhua* (1)

Pollachius virens (2)

Salmo salar (2)

Dist.: Atl

Records: 1. Appy and Burt 1982; 2. Hogans and Trudeau 1989c

Caligus elongatus Nordmann, 1832 (M)

Sites: body surface, fins

Hosts: *Alosa sapidissima* (10)

Gadus morhua (1)

Salmo salar (2,3,4,5,6,7,8,9,11,12,13,14,15,16,17)

Salvelinus alpinus (8)

Dist.: Atl

Records: 1. Appy and Burt 1982 (Atl); 2. Hogans and Trudeau 1989b (Atl); 3. 1989c (Atl, exper); 4. Stuart 1990 (Atl); 5. Mackinnon 1991a (Atl); 6. 1991b (Atl); 7. Mackinnon and Mustafa 1992 (exper); 8. Mackinnon and Piasecki 1992 (Atl, exper); 9. Piasecki 1992 (Atl); 10. Hogans et al. 1993 (Atl); 11. Mackinnon 1993a (Atl); 12. 1993b (Atl); 13. Mackinnon and Mustafa 1993 (exper); 14. O'Halloran and Coombs 1993 (Atl); 15. Piasecki 1993a (Atl); 16. 1993b (Atl); 17. Piasecki and Mackinnon 1993 (Atl, exper)

Caligus sp. (M)

Site: body surface

Host: *Gadus morhua*

Dist.: Atl

Record: Lee 1988

Lepeophtheirus bifidus Fraser, 1920 (M)

Site: body surface

Hosts: *Pleuronectes bilineatus* (2)

Pleuronichthys decurrens (1)

Dist.: Pac

Records: 1. Kabata 1988; 2. Ching and Leighton 1993

Lepeophtheirus cuneifer Kabata, 1974 (M)

Site: [body surface]

Hosts: *Oncorhynchus mykiss*

Salmo salar

Dist.: Pac

Record: Johnson and Albright 1991c

Lepeophtheirus hippoglossi (Krøyer, 1837) Baird, 1850 (M)

Site: body surface

Host: *Hippoglossus hippoglossus*

Dist.: Atl

Record: Zubchenko 1980

Lepeophtheirus hospitalis Fraser, 1920 (M)

Site: body surface

Hosts: *Hexagrammos* sp. (1)

Platichthys stellatus (2)

Dist.: Pac

Records: 1. Kabata 1988; 2. Ching and Leighton 1993

Lepeophtheirus nanaimoensis Wilson, 1912 (M)

Site: body surface

Host: *Citharichthys sordidus*

Dist.: Pac

Record: Leighton and Bergey 1983

Lepeophtheirus parviventris Wilson, 1915 (M)

Site: body surface

Hosts: *Pleuronectes bilineatus* (2)

Theragra chalcogramma (1)

Dist.: Pac

Records: 1. Arthur 1984; 2. Ching and Leighton 1993

Lepeophtheirus paulus Cressey, 1969 (M)

Site: body surface

Host: *Theragra chalcogramma*

Dist.: Pac

Record: Arthur 1984

Lepeophtheirus salmonis (Krøyer, 1837) Verrill, 1873 (M)

Sites: body surface, gills, fins

Hosts: *Oncorhynchus kisutch* (10,11,12,13,16)

Oncorhynchus mykiss (13)

Oncorhynchus nerka (4)

Oncorhynchus tshawytscha (8,9,10,12,13,14,15,16,17,19)

Salmo salar (1,5,6,7,8,9,10,12,13,14,15,16,17,18,19)

Salvelinus fontinalis (2,3)

Dist.: Pac, BC, NB, NB-b, Atl

Records: 1. Pippy 1980 (Atl, NB-b); 2. Frimeth 1987a (NB); 3. 1987b (NB, NB-b); 4. Gilhousen 1989 (Pac, BC); 5. Hogans and Trudeau 1989c (Atl); 6. Kent et al. 1990 (Pac); 7. Stuart 1990 (Atl); 8. Johnson and Albright 1991a (Pac); 9. 1991b (exper); 10. 1992a (exper); 11. 1992b (exper); 12. 1992c (exper); 13. Johnson and Kent 1992 (Pac); 14. Johnson 1993a (exper); 15. 1993b (exper); 16. Johnson and Albright 1993 (exper); 17. Johnson et al. 1993 (exper); 18. Johnson and Margolis 1993a (exper); 19. 1993b (exper)

Lepeophtheirus spp. (M)

Site: body surface

Hosts: *Eopsetta jordani* (4)

Gadus macrocephalus (4)

Gasterosteus aculeatus (4)

Merluccius productus (1)

Pleuronectes vetulus (3,4)

Sebastes maliger (4)

Theragra chalcogramma (2)

Dist.: Pac

Records: 1. Sankurathri et al. 1983; 2. Arthur 1984; 3. Kabata and Whitaker 1984; 4. Kabata 1988

Unidentified caligids

Caligidae gen.sp. (M)

Site: [fins]

Host: *Oncorhynchus keta*

Dist.: Pac

Record: Whitaker 1985

Family CECROPIDAE

Orthogoriscicola muricatus (Krøyer, 1837) Poche, 1902 (M)

Syn.: *Orthogoriscicola wilsoni* Schuurmans Stekhoven and Schuurmans Stekhoven, 1956

Remarks: The synonymy is according to Kabata (1988). Margolis and Arthur (1979) listed the only Canadian record as *Orthogoriscicola* [sic] *wilsoni*.

Philorthogoriscus serratus (Krøyer, 1863) Horst, 1897 (M)

Site: fins

Host: *Squalus acanthias*

Dist.: Atl

Record: Wilson 1922

Family DICHELESTHIIDAE

Anthosoma crassum (Abildgaard, 1794) Steenstrup and Lütken, 1861 (M)

Site: body surface

Host: *Carcharodon carcharias*

Dist.: Atl

Record: Hogans and Dadswell 1985

Dichelesthium oblongum (Abildgaard, 1794) Hermann, 1804 (M)

Site: gill cavity

Host: *Acipenser oxyrhynchus*

Dist.: NB-b

Record: Appy and Dadswell 1978

Family EUDACTYLINIDAE

Eudactylina acanthii A. Scott, 1901 (M)

Site: gills

Host: *Squalus acanthias*

Dist.: Pac

Record: Kabata 1979

Eudactylina similis T. Scott, 1902 (M)

Site: gills

Hosts: *Raja rhina*

Raja stellulata

Dist.: Pac

Record: Kabata 1979

Family EURYPHORIDAE

Alebion crassus Wilson, 1932 (M)

Site: skin
Host: *Eugomphodus taurus*
Dist.: Atl
Record: Hogans and Trudeau 1989a

Family HATSCHEKIIDAE

Hatschekia conifera Yamaguti, 1939 (M)

Site: gills
Host: *Brama japonica*
Dist.: Pac
Record: Kabata 1981

Hatschekia hippoglossi (Cuvier, 1830) Poche, 1902 (M)

Site: gills
Hosts: *Hippoglossus hippoglossus* (1)
Reinhardtius hippoglossoides (1)
Pleuronectidae gen.sp. (2)
Dist.: Atl
Records: 1. Zubchenko 1980; 2. Morrison et al. 1986

Family LERNAEOPODIDAE

Achtheres pimelodi Krøyer, 1863 (FW)

Syns.: *Achtheres ambloplitis* Kellicott, 1880
Achtheres micropteri Wright, 1882
Site: gills
Hosts: *Ambloplites rupestris* (1,2,3,5)
Ictalurus punctatus (6)
Lepomis gibbosus (1,2,3,4)
Micropterus dolomieu (3,4,6,7)
Micropterus salmoides (3)
Perca flavescens (6)

Dist.: Ont
Records: 1. Hanck 1974; 2. Hanck and Fernando 1978a,b,d,e,f; 3. Dechtiar and Christie 1988; 4. Dechtiar et al. 1988; 5. Dechtiar and Lawrie 1988; 6. Dechtiar and Nepszy 1988; 7. Dechtiar et al. 1989
Remarks: The synonymy is according to Kabata (1988). Margolis and Arthur (1979) listed previous Canadian records as *Achtheres ambloplitis* and *Achtheres micropteri*.

Achtheres spp. (FW)

Site: [gills]
Hosts: *Alosa sapidissima* (2)
Prosopium williamsoni (1)
Dist.: Alta, Atl
Records: 1. Thompson, cited in McAllister and Mudry 1983 (Alta); 2. Hogans et al. 1993 (Atl)

Albionella centroscylli (Hansen, 1923) Kabata, 1979 (M)

Sites: cloacal region of body surface, dorsal fins
Host: *Centroscyllium fabricii*
Dist.: Atl
Record: Rubec and Hogans 1988

Albionella fabricii Rubec and Hogans, 1988 (M)

Site: gills
Host: *Centroscyllium fabricii*
Dist.: Atl
Record: Rubec and Hogans 1988

Clavella adunca (Strøm, 1762) Dollfus, 1953 (M)

Syn.: *Clavella uncinata* (O. F. Müller, 1776) Oken, 1816
Sites: gills, gill cavity, mouth, anal region, fin edges
Hosts: *Coryphaenoides rupestris* (5)
Gadus macrocephalus (11)
Gadus morhua (2,6,8,9,12)
Hexagrammos sp. (11)
Lycenchelys paxillus (10)
Macrourus berglax (1,5,7)
Melanogrammus aeglefinus (3,4,8)
Pollachius virens (3,8)

Dist.: Pac, Atl
Records: 1. Noble 1973 (Atl); 2. Redkozubova 1976 (Atl); 3. Khan, Barrett, and Murphy 1980 (Atl); 4. Scott 1981 (Atl); 5. Zubchenko 1981 (Atl); 6. Appy and Burt 1982 (Atl); 7. Ho 1985 (Atl); 8. Morrison et al. 1986 (Atl); 9. Lee 1988 (Atl); 10. Hogans, cited in Kabata 1988 (Atl); 11. Kabata 1988 (Pac); 12. Morrison 1988 (Atl)
Remarks: The synonymy is according to Kabata (1979).

Clavella irina Wilson, 1915 (M)

Site: gills
Host: *Gadus macrocephalus*
Dist.: Pac
Record: Kabata 1988

Clavella parva Wilson, 1912 (M)

Site: fins
Host: *Rhacochilus vacca*
Dist.: Pac
Record: Kabata 1988

Clavella perfida Wilson, 1915 (M)

Site: gills
Host: *Theragra chalcogramma*
Dist.: Pac
Records: Arthur 1984; Kabata and Whitaker 1984; Kabata 1988

Clavella pinguis Wilson, 1915 (M)

Remarks: Kabata (1988) suggested, in a note on p. 68, that it was possible that *Clavella pinguis* would prove to be a synonym of *Clavella stichaei* but that further evidence was required before this species could be formally synonymized. Margolis and Arthur (1979) listed previous Canadian records as *C. pinguis*.

Clavella stichaei (Krøyer, 1883) Wilson, 1915 (M)

Syn.: *Clavella insolita* Wilson, 1915
Site: fins

- Host: *Lycodes polaris*
 Dist.: W Arc
 Record: Bernier, cited in Kabata 1988
 Remarks: The synonymy is according to Kabata (1988).
 Margolis and Arthur (1979) listed the only Canadian record as *Clavella insolita*. Kabata (1988) gave the locality as Arc without specifying eastern or western Arctic. However Stewart and Bernier (1983) gave a table listing the collection localities for the fish host, all of which were collected in the area which this synopsis includes in the western Arctic.
- Clavella* spp. (M)
 Site: fin rays
 Hosts: *Clinocottus acuticeps* (2)
Hexagrammos stelleri (1)
 Dist.: Pac
 Records: 1. Kabata 1988; 2. Roth 1988
- Clavellisa cordata* Wilson, 1915 (M)
 Site: gills
 Hosts: *Alosa aestivalis* (1,2)
Alosa pseudoharengus (1,2)
Alosa sapidissima (1)
 Dist.: Atl
 Records: 1. Rubec and Hogans 1987; 2. Landry et al. 1992
- Clavellodes rugosa* (Krøyer, 1837) Wilson, 1915 (M)
 Site: gill cavity
 Hosts: *Anarhichas lupus* (1)
Anarhichas minor (1)
Macrozoarces americanus (2)
 Dist.: Atl
 Records: 1. Zubchenko 1980; 2. Hogans and Trudeau 1985
- Clavellomimus macruri* (Hansen, 1923) Kabata, 1969 (M)
 Site: fins
 Host: *Macrourus berglax*
 Dist.: Atl
 Record: Zubchenko 1981
- Coregonicola orientalis* Markevich and Bauer, 1950 (FW)
 Site: [head embedded in musculature with body protruding externally]
 Host: *Coregonus clupeaformis*
 Dist.: NWT
 Record: Stewart and Bernier 1983
- Coregonicola* sp. (FW)
 Site: head embedded in musculature with body protruding externally
 Host: *Coregonus clupeaformis*
 Dist.: NWT-b
 Record: Reist et al. 1987
- Dendrapta cameroni cameroni* (Heller, 1949) Kabata and Gusev, 1966 (M)
 Site: body surface
 Host: *Raja radiata*
 Dist.: Atl
 Record: Khan, Barrett, and Murphy 1980
- Nectobranchia indivisa* Fraser, 1920 (M)
 Site: gills
 Host: *Pleuronectes bilineatus*
 Dist.: Pac
 Records: Kabata and Whitaker 1984; Kabata 1988
- Neobrachiella insidiosa* forma *pacifica* Kabata, 1979 (M)
 Site: gills
 Host: *Merluccius productus*
 Dist.: Pac
 Record: Sankurathri et al. 1983
 Remarks: Margolis and Arthur (1979) incorrectly gave the date of authorship as 1978.
- Neobrachiella robusta* (Wilson, 1912) Kabata, 1979 (M)
 Sites: gills, operculum
 Hosts: *Sebastes alutus* (1,2)
Sebastes babcocki (2)
Sebastes flavidus (3,4)
Sebastes maliger (2)
Sebastes pinniger (2)
 Dist.: Pac
 Records: 1. Kabata 1987b; 2. 1988; 3. Lee et al. 1990; 4. Stanley et al. 1992
- Neobrachiella robusta* forma *longidigita* Kabata, 1979(M)
 Site: gills
 Host: *Sebastes alutus*
 Dist.: Pac
 Record: Leaman and Kabata 1987
- Neobrachiella rostrata* (Krøyer, 1837) Kabata, 1979 (M)
 Syn.: *Parabrachiella rostrata* (Krøyer, 1837) Wilson, 1915
 Site: [gills]
 Host: *Reinhardtius hippoglossoides* (1,2,3,4,5,6,7)
 Dist.: Atl, E Arc
 Records: 1. Reimer 1981 (E Arc); 2. Rokiicki 1982 (Atl); 3. Rubec 1988 (Atl); 4. Wierzbicka 1988 (Atl); 5. 1991a (Atl); 6. 1991b (Atl); 7. Krzykawski and Wierzbicka 1992 (Atl)
 Remarks: The synonymy is according to Kabata (1979). Margolis and Arthur (1979) incorrectly gave the date of authorship as 1978.
- Ommatokoita* sp. (M)
 Site: skin
 Host: *Ennopterus princeps*
 Dist.: Atl
 Record: Hogans and Bratney 1986

Salmincola californiensis (Dana, 1852) Wilson, 1915 (FW)

Sites: gills, fins, gill cavity, skin
Hosts: *Oncorhynchus gorbuscha* (2,3)
Oncorhynchus keta (2,3)
Oncorhynchus kisutch (2,3)
Oncorhynchus mykiss (1,2,3,4)
Oncorhynchus nerka (2,3,5,6,7,8,9,10)
Oncorhynchus tshawytscha (1,4)
Prosopium williamsoni (2)
Salvelinus namaycush (1,4)

Dist.: Pac, BC

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Groot et al. 1984 (BC); 6. Bailey and Margolis 1987 (BC); 7. Bailey, Margolis, and Groot 1988 (Pac); 8. Bailey, Margolis, and Workman 1989 (BC); 9. Groot et al. 1989 (Pac); 10. Higgins et al. 1993 (BC)

Salmincola carpionis (Krøyer, 1837) Wilson, 1915 (FW)

Site: [buccal cavity, fins]
Host: *Salvelinus alpinus* (1,2,3,4)
Dist.: NWT, Lab

Records: 1. Stewart and Bernier 1982 (NWT); 2. 1983 (NWT); 3. 1984 (NWT); 4. Bouillon and Dempson 1989 (Lab)

Salmincola coregonorum (Kessler, 1868) Kabata, 1969 (FW)

Site: gills
Host: *Coregonus clupearformis*
Dist.: Lab

Record: Chinniah and Threlfall 1978

Remarks: Kabata (1988) noted on p. 51 that the occurrence of this species in North America should be confirmed before accepting the extended distribution of this parasite into the New World.

Salmincola corpulentus (Kellicott, 1880) Kabata, 1988 (FW)

Syns.: *Achtheres corpulentus* Kellicott, 1880
Salmincola extumescens (Gadd, 1901) Wilson, 1915
Sites: branchial cavity, gills
Hosts: *Coregonus artedii* (8,9)
Coregonus clupearformis (1,2,3,4,5,6,7,8)
Coregonus hoyi (9,10)
Prosopium cylindraceum (8,9)
Sabmo salar (1)

Dist.: Alta, Man, NWT, Ont, Lab

Records: 1. Chinniah and Threlfall 1978 (Lab); 2. Watson, cited in Lubinsky and Loch 1979 (Man); 3. Watson and Dick 1979 (Man); 4. Leong and Holmes 1981 (Alta); 5. McAllister and Mudry 1983 (Alta); 6. Stewart and Bernier 1983 (NWT); 7. Dechtiar and Christie 1988 (Ont); 8. Dechtiar et al. 1988 (Ont); 9. Dechtiar and Lawrie 1988 (Ont); 10. Bowen and Stedman 1990 (Ont)

Remarks: The synonymy is according to Kabata (1988). Margolis and Arthur (1979) listed previous Canadian records as both *Achtheres corpulentus* and *Salmincola extumescens*.

Salmincola edwardsii (Olsson, 1869) Wilson, 1915 (FW)

Sites: gills, gill cavity, fins, fin bases
Hosts: *Prosopium williamsoni* (1,12)
Salvelinus alpinus (2,4,7,10,11,14,16,17,18,23)
Salvelinus fontinalis (3,5,6,8,9,13,15,19,20,21,22,24,25,26,27,28)
Salvelinus malma (1,12)
Salvelinus namaycush (1,11,12,14,18)

Dist.: BC, Man, NWT, Ont, Que, Que-b, NB, Nfld, Lab

Records: 1. Anonymous 1978 (BC); 2. Beverley-Burton 1978 (NWT); 3. Chinniah and Threlfall 1978 (Lab); 4. Curtis 1979 (NWT); 5. Gaboury, Kooyman, both cited in Lubinsky and Loch 1979 (Man); 6. Black 1981 (Que-b); 7. Dick and Belosevic 1981 (NWT); 8. Black 1982a (Ont, Que); 9. 1982b (Ont); 10. Curtis 1982 (NWT); 11. Stewart and Bernier 1982 (NWT); 12. Arai and Mudry 1983 (BC); 13. Black et al. 1983 (Que); 14. Stewart and Bernier 1983 (NWT); 15. Cone and Ryan 1984 (Nfld); 16. Curtis 1984 (NWT, Que); 17. Dick 1984 (NWT); 18. Stewart and Bernier 1984 (NWT); 19. Frimeth 1987a (NB); 20. 1987b (NB); 21. Conley and Curtis 1988 (Que); 22. Dechtiar et al. 1988 (Ont); 23. Bouillon and Dempson 1989 (Lab); 24. Poulin, Conley, and Curtis 1990 (Que); 25. Poulin, Curtis, and Rau 1990 (Que); 26. 1991 (Que); 27. Conley and Curtis 1992 (Que); 28. 1993 (Que)

Salmincola extensus (Kessler, 1868) Kabata, 1969 (FW)

Sites: fins, skin
Hosts: *Coregonus artedii* (4,5,7)
Coregonus clupearformis (4,5,7)
Esox lucius (4,6)
Prosopium williamsoni (1,2,3,8)

Dist.: BC, Alta, Man

Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Watson, cited in Lubinsky and Loch 1979 (Man); 5. Watson and Dick 1979 (Man); 6. 1980 (Man); 7. Leong and Holmes 1981 (Alta); 8. Arai and Mudry 1983 (BC)

Remarks: Anonymous (1978) stated: "Our specimens conform equally well with the description presented by Markevich and Bauer (1950) for *Salmincola jacuticus* and by Kabata [1969] for *S. extensus*; therefore, we arbitrarily assign our forms to the latter species."

Salmincola lotae (Olsson, 1877) Wilson, 1915 (FW)

Site: [gills]
Host: *Lota lota*
Dist.: NWT
Record: Stewart and Bernier 1983

Salmincola salmoneus (Linnaeus, 1761) Wilson, 1915 (FW)

Sites: gills, gill cavity
Host: *Salmo salar* (1,2,3,4)
Dist.: Que, NB, NS, Nfld, Lab, Atl
Records: 1. Pippy 1980 (Atl, Lab, NB, Nfld, NS, Que); 2. Cone and Ryan 1984 (Nfld); 3. Johnston and Dykeman 1987 (NB); 4. McGladdery and Johnston 1988 (NB)

Salmincola siscowet (Smith, 1874) Wilson, 1915 (FW)

Site: fins
Hosts: *Salvelinus fontinalis* x *Salvelinus namaycush* (4)
Salvelinus namaycush (1,2,3,4)
Dist.: BC, Ont, Lab
Records: 1. Chinniah and Threlfall 1978 (Lab); 2. Anonymous 1984 (BC); 3. Dechtiar and Lawrie 1988 (Ont); 4. Anderson 1993 (Ont)

Salmincola thymalli (Kessler, 1868) Wilson, 1915 (FW)

Site: gills
Hosts: *Coregonus clupeaformis* (3)
Prosopium cylindraceum (5)
Prosopium williamsoni (1,2,3,4)
Thymallus arcticus (1,4)
Dist.: BC, Ont
Records: 1. Anonymous 1978 (BC); 2. 1981 (BC); 3. 1984 (BC); 4. Arai and Mudry 1983 (BC); 5. Dechtiar et al. 1989 (Ont)

Salmincola spp. (FW)

Sites: buccal cavity, fins, gills
Hosts: *Oncorhynchus nerka* (6)
Salmo salar (5,7)
Salvelinus alpinus (3)
Salvelinus fontinalis (7)
Salvelinus namaycush (1,2,3,4)
Dist.: BC, Sask, Man, NWT, NB, Nfld
Records: 1. Rawson 1959 (Sask); 2. Stewart-Hay, cited in Lubinsky and Loch 1979 (Man); 3. Stewart and Bernier 1982 (NWT); 4. Anonymous 1984 (BC); 5. Bennett and Wolke 1986 (NB); 6. Gilhousen 1989 (BC); 7. Marcogliese and Cone 1991 (Nfld)

Family NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915 (M)

Site: gills
Hosts: *Anoplopoma funbria* (1,2)
Citharichthys sordidus (2)
Errex zachirus (2)
Hippoglossoides elassodon (2)
Pleuronectes bilineatus (1,2)
Pleuronectes vetulus (1,2)
Sebastes babcocki (2)
Sebastes brevispinis (2)
Sebastes pinniger (2)

Dist.: Pac

Records: 1. Kabata and Whitaker 1984; 2. Kabata 1988

Family PANDARIDAE

Dinemoura latifolia Steenstrup and Lütken, 1861 (M)

Site: body surface
Host: *Carcharodon carcharias*
Dist.: Atl
Record: Hogans and Dadswell 1985

Dinemoura producta (Müller, 1785) Latreille, 1829 (M)

Site: body surface
Host: *Isurus oxyrinchus*
Dist.: Pac
Record: Kabata 1988

Pandarus floridanus Cressey, 1967 (M)

Site: body surface
Host: *Torpedo nobiliana*
Dist.: Atl
Record: Hogans, cited in Kabata 1988

Pandarus sinuatus Say, 1871 (M)

Site: body surface
Host: *Carcharodon carcharias*
Dist.: Atl
Record: Hogans and Dadswell 1985

Family PENNELLIDAE

Haemobaphes diceraus Wilson, 1917 (M)

Site: head in bulbus arteriosus with body protruding from gill arch
Hosts: *Gadus macrocephalus* (2)
Merluccius productus (1)
Dist.: Pac
Records: 1. Sankurathri et al. 1983; 2. Kabata 1988

Haemobaphes disphaerocephalus Grabda, 1976 (M)

Site: head in bulbus arteriosus with body protruding from gill arch
Host: *Thaleichthys pacificus*
Dist.: Pac
Record: Kabata 1988

Haemobaphes intermedius Kabata, 1967 (M)

Site: head in bulbus arteriosus with body protruding from gill arch
Hosts: *Clinocottus acuticeps*
Oligocottus maculosus
Dist.: Pac
Record: Roth 1988

Haemobaphes theragrae Yamaguti, 1939 (M)

- Site: head in bulbus arteriosus with body protruding from gill arch
Host: *Theragra chalcogramma*
Dist.: Pac
Record: Kabata 1988
- Haemobaphes* spp. (M)
Site: head in bulbus arteriosus with body protruding from gill arch
Hosts: *Eopsetta jordani* (2)
Theragra chalcogramma (1)
Dist.: Pac
Records: 1. Arthur 1984; 2. Kabata 1988
- Lernaocera branchialis* (Linnaeus, 1776) Wilson, 1917 (M)
Sites: gills, buccal cavity
Hosts: *Cottunculus thompsoni* (6)
Cyclopterus lumpus (1,5,9,10)
Gadus morhua (1,2,3,4,5,7,8,9,10,11)
Hippoglossoides platessoides (3)
Dist.: Atl
Records: 1. Sherman and Wise 1961 (Atl); 2. Appy and Burt 1982 (Atl); 3. Khan and Lacey 1986 (Atl); 4. Morrison et al. 1986 (Atl); 5. Khan 1988 (Atl, exper); 6. Hogans, cited in Kabata 1988 (Atl); 7. Lee 1988 (Atl); 8. Morrison 1988 (Atl); 9. Khan and Lee 1989 (Atl, exper); 10. Khan et al. 1990 (Atl, exper); 11. 1993 (exper)
- Pennella filosa* (Linnaeus, 1758) Oken, 1816 (M)
Site: head embedded in musculature with body protruding externally
Hosts: *Lepidocybium flavobrunneum* (3)
Mola mola (2)
Xiphias gladius (1)
Dist.: Atl
Records: 1. Hogans et al. 1985; 2. Hogans 1987; 3. Benz and Hogans 1993
Remarks: Although *Lepidocybium flavobrunneum* is known to occur in Canadian waters of the NW Atlantic Ocean, it is not clear in the report by Benz and Hogans (1993) whether the specimens were collected from hosts caught in Canadian waters.
- Pennella instructa* Wilson, 1917 (M)
Site: head embedded in musculature with body protruding externally
Host: *Xiphias gladius*
Dist.: Atl
Records: Hogans et al. 1985; Hogans 1986
- Pennella sagitta* (Linnaeus, 1758) Oken, 1916 (M)
Site: head embedded in musculature with body protruding externally
Host: *Histrio histrio*
Dist.: Atl
Records: Hogans 1988; Hogans, cited in Kabata 1988
- Phrixecephalus cincinnatus* Wilson, 1908 (M)
Site: head embedded in vitreous humor and choroid lining of eye with body protruding externally
Hosts: *Atheresthes stomias* (1)
Hippoglossus stenolepis (2)
Dist.: Pac
Records: 1. Ronald 1959; 2. Kabata 1988
Remarks: Ronald (1959) did not report the locality of collection, but the record is based on material collected by L. Margolis from the Pacific coast of Canada.
- Sarcotretes scopeli* Jungersen, 1911 (M)
Site: head embedded in musculature with body protruding externally
Hosts: *Benthoosema glaciale* (1,2,3)
Gonichthys cocco (2)
Myctophum punctatum (2)
Notoscopelus resplendens (2)
Polyipnus asteroides (2)
Sternoptyx diaphana (2)
Dist.: Atl, E. Arc
Records: 1. Jungersen 1912 (E. Arc); 2. Hogans 1988a (Atl); 3. Hogans, cited in Kabata 1988 (Atl)

Family SPHYRIIDAE

- Lophoura bouvieri* (Quidor, 1912) Yamaguti, 1963 (M)
Syn.: *Rebelula bouvieri* Quidor, 1912
Site: head embedded in musculature with body protruding externally
Hosts: *Macrourus berglax* (1)
Nezumia bairdi (2,3)
Dist.: Atl
Records: 1. Zubchenko 1981; 2. Hogans and Dadswell 1985b; 3. Hogans, cited in Kabata 1988
Remarks: The synonymy is according to Kabata (1988)
- Lophoura gracilis* (Wilson, 1919) Yamaguti, 1963
Site: [head embedded in musculature with body protruding externally]
Host: *Synaphobranchius kaupi*
Dist.: Atl
Record: Hogans and Dadswell 1985b
- Lophoura tetraphylla* Ho, 1985 (M)
Site: head embedded in musculature with body protruding externally
Host: *Antimora rostrata*
Dist.: Atl
Record: Hogans 1986
- Paeonocanthus antarcticensis* (Hewitt, 1965) Kabata, 1965 (M)
Site: head embedded in musculature with body protruding externally
Host: *Bathylagus euryops*

Dist.: Atl
Record: Hogans 1986

Periplexis lobodes Wilson, 1919 (M)
Site: [head embedded in musculature with body protruding externally]
Host: *Alepocephalus bairdi*
Dist.: Atl
Record: Zubchenko 1984

Sphyrion lumpi Krøyer, 1845 (M)
Site: head embedded in musculature with body protruding externally
Hosts: *Antinora rostrata* (6)
Coryphaenoides rupestris (3)
Gaidropsarus ensis (6)
Glyptocephalus cynoglossus (2)
Reinhardtius hippoglossoides (1,8)
Sebastes fasciatus (7)
Sebastes mentella (3,4,7,8)
Sebastes norvegicus (2,3)
Sebastes sp. (5)
Dist.: Atl
Records: 1. Rokicki 1982; 2. Tomasiewicz 1982; 3. Bourgeois and Ni 1984; 4. Gaevskaya and Kovaleva 1984; 5. Morrison et al. 1986; 6. Hogans, cited in Kabata 1988; 7. Bakay 1990; 8. Reimer and Szuks 1990

SUBCLASS MALACOSTRACA
ORDER AMPHIPODA
SUBORDER GAMMARIDEA
Family LAFYSTIIDAE

Lafystius sturionis Krøyer, 1842 (M)
Sites: external surface, under pectoral and pelvic fins
Hosts: *Gadus morhua* (1,3,4)
Macrozoarces americanus (4)
Malacoraja senta (4)
Melanogrammus aeglefinus (4)
Myoxocephalus scorpius (2,4)
Myoxocephalus sp. (4)
Raja erinacea (4)
Raja radiata (4)
Dist.: Atl
Records: 1. Wise 1958; 2. Khan, Barrett, and Murphy 1980; 3. Appy and Burt 1982; 4. Bousfield 1987
Remarks: Wise (1958) and Khan et al. (1980) reported this parasite as *Laphystius* [sic] and *Laphysis* [sic], respectively, while Khan et al. (1980) called it an isopod.

Protolafystius madillae Bousfield, 1987 (M)
Site: gills
Host: *Pleuronectes vetulus*
Dist.: Pac
Record: Bousfield 1987

Family LYSIANASSIDAE

Opisa tridentata Hurley, 1963 (M)
Site: body surface, usually near pectoral fins
Host: *Squalus acanthias*
Dist.: Pac
Record: Bousfield 1987

ORDER ISOPODA
SUBORDER FLABELLIFERA
Family AEGIDAE

Aega psora (Linnaeus, 1758) Lilljeborg, 1850 (M)
Sites: [gill cavity, base of fins]
Hosts: *Gadus morhua* (1,3)
Melanogrammus aeglefinus (1)
Reinhardtius hippoglossoides (2)
Dist.: Atl
Records: 1. Appy and Burt 1982; 2. Rokicki 1982; 3. Tomasiewicz 1982
Remarks: Appy and Burt (1982) stated that this parasite was found unattached in association with a large catch of cod (*Gadus morhua*) and haddock (*Melanogrammus aeglefinus*), but that other specimens at St. Andrews were found on haddock.

Rocinella bellicepe (Stimpson, 1864) Richardson, 1899 (M)
Site: gill cavity
Host: *Theragra chalcogramma*
Dist.: Pac
Record: Arthur 1984

CLASS ARACHNOIDEA
ORDER ACARINA
SUBORDER TROMBIDIFORMES
Superfamily HYDRACHNAE
Family HYDRACHNIDAE

Hydrachna sp. larva (FW)
Site: gills
Host: *Oncorhynchus nerka*
Dist.: Ont
Record: Dechtiar et al. 1988

Superfamily PIONAE
Family UNIONICOLIDAE

Unionicola sp. larva (FW)
Sites: embedded in muscle layers of esophagus and
stomach; "encysted" on swimbladder
Hosts: *Coregonus clupeaformis* (2,3)
Oncorhynchus mykiss (3)

Prosopium williamsoni (1,2,3)
Ptychocheilus oregonensis (1)

Dist.: BC

Records: 1. Anonymous 1981; 2. 1984; 3. Ching and
Parker 1983

Remarks: The record of this parasite from *Ptychocheilus
oregonensis* in Anonymous (1981) was found only in
the host-parasite list.

HOST-PARASITE LIST

CLASS CEPHALASPIDOMORPHI
ORDER PETROMYZONTIFORMES
Family PETROMYZONTIDAE

Lampetra lamotteni (Le Sueur) American brook lamprey
Remarks: Robins et al. (1991) used the name *Lampetra appendix* (DeKay) for this fish species without providing further explanation.

Nematoda
Truttaedaenitis pybusae (Ont)

Lampetra richardsoni Vladykov and Follett
western brook lamprey

Trematoda
Ophioxenos microphagus (BC)

CLASS ELASMOBRANCHII
ORDER LAMNIFORMES
Family ODONTASPIDIDAE

Eugomphodus taurus (Rafinesque) sand tiger
Syn.: *Odontaspis taurus* (Rafinesque)
Remarks: Robins et al. (1991) retained the name *Odontaspis taurus* for this fish species. Margolis and Arthur (1979) listed previous records of Canadian parasites from this fish under the name *Odontaspis taurus*.

Copepoda
Alebion crassus (Atl)

Family LAMNIDAE

Carcharodon carcharias Linnaeus white shark
Copepoda
Anthosoma crassum (Atl)
Dinemoura latifolia (Atl)
Pandarus sinuatus (Atl)

Isurus oxyrinchus (Rafinesque) shortfin mako
Syn.: *Isurus glaucus* (Müller and Henle)
Copepoda
Dinemoura producta (Pac)

ORDER CARCHARHINIFORMES
Family SCYLIORHINIDAE

Scyliorhinus retifer (Garman) chain dogfish
Apicomplexa
Haemogregarina sp. (Atl)
Mastigophora
Trypanosoma rajae (Atl)

ORDER SQUALIFORMES
Family SQUALIDAE

Centroscyllum fabricii (Reinhardt) black dogfish
Apicomplexa
Haemogregarina delagei (Atl)
Haemohormidium sp. (Atl, E Arc)
Mastigophora
Trypanosoma rajae (Atl)
Copepoda
Albionella centroscylli (Atl)
Albionella fabricii (Atl)

Etmopterus princeps Collett rough sagre
Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Apicomplexa
Haemohormidium sp. (Atl)
Mastigophora
Trypanosoma sp. (Atl)
Copepoda
Ommatokoita sp. (Atl)

Squalus acanthias Linnaeus spiny dogfish
Monogenea
Squalonchocotyle abbreviata (Pac)
Cestoidea
Gilquinia squali (Pac)
Nematoda
Anisakis simplex larva (Atl)
Copepoda
Eudactylina acanthii (Pac)
Philorthagoriscus serratus (Atl)
Amphipoda
Opisa tridentata (Pac)

ORDER TORPEDINIFORMES
Family TORPEDINIDAE

Torpedo nobliana Bonaparte Atlantic torpedo
Copepoda
Pandarus floridanus (Atl)

ORDER RAJIFORMES
Family RAJIDAE

Bathyraja interrupta (Gill and Townsend) sandpaper skate
Syn.: *Raja kincaidi* Garman
Nematoda
Piscicapillaria freemani (Pac)

Bathyraja spinicauda (Jensen) spinytail skate
Syn.: *Raja spinicauda* Jensen

Remarks: Robins et al. (1991) listed the name of this fish as *Raja spinicauda*.

Apicomplexa
Haemogregarina delagei (E Arc)
Haemohormidium sp. (E Arc)
Mastigophora
Trypanosoma rajae (E Arc)

Malacoraja senta (Garman) smooth skate
Syn.: *Raja senta* Garman

Remarks: Robins et al. (1991) listed the name of this fish as *Raja senta*. Margolis and Arthur (1979) listed a previous Canadian parasite record from this fish under the name *Raja senta*.

Apicomplexa
Haemogregarina delagei (Atl)
Mastigophora
Trypanosoma rajae (Atl)
Cestoidea
Zyxiothrium kamienae (Atl)
Annelida
Oxytonostoma typica (Atl)
Amphipoda
Lafystius sturionis (Atl)

Raja erinacea Mitchell little skate

Annelida
Oxytonostoma typica (Atl)
Amphipoda
Lafystius sturionis (Atl)

Raja fyllae Lütken round skate

Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Mastigophora
Trypanosoma rajae (Atl)

Raja ocellata Mitchell winter skate

Apicomplexa
Haemogregarina delagei (Atl)
Annelida
Oxytonostoma typica (Atl)

Raja radiata Donovan thorny skate

Apicomplexa
Haemogregarina delagei (Atl, E Arc)
Haemohormidium sp. (E Arc)
Ciliophora
Trichodina oviducti (Atl)
Mastigophora
Trypanosoma murmanensis (Atl)
Trypanosoma rajae (Atl, E Arc)
Monogenea
Rajonchocotyle emarginata (Atl)
Cestoidea
Pseudanthobothrium hanseni (Atl)
Pseudanthobothrium sp. (Atl)

Nematoda

Anisakis simplex larva (Atl)
Pseudoterranova decipiens larva (Atl)

Annelida

Hirudinea gen.sp. (Atl, E Arc)
Johanssonia arctica (Atl, exper)
Oxytonostoma typica (Atl)

Copepoda

Dendrapta cameroni cameroni (Atl)

Amphipoda

Lafystius sturionis (Atl)

Raja rhina (Jordan and Gilbert) longnose skate

Myxozoa
Sphaerospora araii (Pac)
Monogenea
Pseudacanthocotyla pacifica (Pac)
Nematoda
Piscicapillaria freemani (Pac)
Copepoda
Eudactylina similis (Pac)

Raja stellulata (Jordan and Gilbert) starry skate

Nematoda
Piscicapillaria freemani (Pac)
Copepoda
Eudactylina similis (Pac)

CLASS HOLOCEPHALI ORDER CHIMAERIFORMES Family CHIMAERIDAE

Hydrolagus colliciei (Lay and Bennett) spotted ratfish

Trematoda
Rugogaster hydrolagi (Pac)
Monogenea
Chimaericola leptogaster (Pac)
Gyrocotylidea
Gyrocotyle fimbriata (Pac)
Gyrocotyle parvispinosa (Pac)
Copepoda
Acanthochondria epachithes (Pac)

Family RHINOCHIMAERIDAE

Rhinochimaera atlantica Holt and Byrne

knifenose chimaera

Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Trematoda
Lecithocladium gulosum (Atl)
Opecoeloides vitellosis (Atl)
Gyrocotylidea
Gyrocotyle abyssicola (Atl)
Gyrocotyle major (Atl)

Nematoda
Hysterothylacium aduncum (Atl)

Placobdella montifera (Man)
Placobdella sp. (Man)

CLASS ACTINOPTERYGII
ORDER ACIPENSERIFORMES
Family ACIPENSERIDAE

Acipenser brevirostrum Le Sueur shortnose sturgeon
Trematoda
Spirochis sp. (NB-b)
Monogenea
Dicybothrium armatum (NB-b)
Nematoda
Capillospirura pseudoargementosus (Atl)
Acanthocephala
Fessisentis friedi (NB-b)
Branchiura
Argulus alosa (NB-b)

Acipenser fulvescens Rafinesque lake sturgeon
Cnidaria
Polypodium hydriforme (Sask, Man)
Trematoda
Azygia longa (Man)
Crepidostomum auriculatum (Sask, Man, Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Sask, Man)
Skrjabinopsolus manteri (Ont)
Monogenea
Dicybothrium armatum (Sask, Man, Ont)
Cestoidea
Proteocephalidae gen.sp. plerocercoid (Man)
Triaenophorus nodulosus plerocercoid (Ont)
Tetraphyllidea gen.sp. plerocercoid (Man)
Nematoda
Raphidascaris sp. (Sask, Man)
Rhabdochona cascadilla (Man)
Rhabdochonidae gen.sp. (Sask)
Spinitectus acipenseri (Sask, Man)
Spinitectus gracilis (Sask, Man, Ont)
Spinitectus sp. (Sask, Man)
Sterliadochona sp. (Sask, Man)
Truttaedacnitis clitellarius (Sask, Man, Ont)
Acanthocephala
Acanthocephala gen.sp. (Sask, Man)
Echinorhynchus lateralis (Ont)
Echinorhynchus leidy (Man)
Echinorhynchus salmonis (Ont)
Leptorhynchoides thecatus (Man)
Neoechinorhynchus rutili (Ont)
Neoechinorhynchus tenellus (Man)
Pomphorhynchus bulbocollis (Sask, Man)
Annelida
Glossiphoniidae gen.sp. (Man)
Piscicola punctata (Ont)

Acipenser oxyrinchus Mitchill Atlantic sturgeon
Trematoda
Derogenes varicus (NB-b)
Deropristis hispida (NB-b)
Monogenea
Nitzschia sturionis (NB-b)
Nematoda
Capillospirura pseudoargementosus (Atl)
Raphidascaris sp. (Man)
Truttaedacnitis sphaerocephala (NB-b)
Acanthocephala
Echinorhynchus gadi (NB-b)
Annelida
Calliobdella vivida (Atl)
Piscicola sp. (Man)
Copepoda
Dichelesthium oblongum (NB-b)

Acipenser transmontanus Richardson white sturgeon
Trematoda
Crepidostomum auriculatum (BC)
Cestoidea
Amphilina bipunctata (BC)
Diphyllobothrium sp. plerocercoid (BC)
Nematoda
Anisakis simplex larva (BC)
Cystoopsis acipenseri (BC)
Nematoda gen.sp. (BC)
Acanthocephala
Corynosoma strumosum juvenile (BC)

ORDER LEPISOSTEIFORMES
Family LEPISOSTEIDAE

Lepisosteus osseus (Linnaeus) longnose gar
Trematoda
Diplostomum spathaceum metacercaria (Ont)
Cestoidea
Proteocephalus ambloplitis plerocercoid (Ont)
Nematoda
Spiroxys sp. larva (Ont)
Acanthocephala
Leptorhynchoides thecatus (Ont)

ORDER AMIIFORMES
Family AMIIDAE

Amia calva Linnaeus bowfin
Mastigophora
Trypanosoma catostomi (exper)
Trypanosoma phaleri (Ont)
Trypanosoma sp. (Ont)

Trematoda
Azygia longa (Ont)
Crepidostomum cornutum (Ont)
Diplostomum spathaceum metacercaria (Ont)
Macroderoides typicus (Ont)
Cestoidea
Haplobothrium globuliforme (Ont)
Proteocephalus perplexus (Ont, NB)
Triaenophorus nodulosus plerocercoid (Ont)
Nematoda
Spinitectus carolini (Ont)
Acanthocephala
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus rutili (Ont)
Annelida
Desserobdella phalera (Ont)
Copepoda
Ergasilus sp. (Ont)

ORDER OSTEOGLOSSIFORMES

Family HIODONTIDAE

Hiodon alosoides (Rafinesque) goldeye
Trematoda
Paurorhynchus hiodontis (Alta)
Cestoidea
Bothriocephalus cuspidatus (Alta, Sask)
Branchiura
Argulus appendiculosus (Sask)

Hiodon tergisus Le Sueur mooneye
Trematoda
Crepidostomum illinoiense (Man)
Paurorhynchus hiodontis (Man)
Nematoda
Sterliadochona ephemeridarum (Man)
Acanthocephala
Pomphorhynchus bulbocolli (Man)

ORDER NOTACANTHIFORMES

Family NOTACANTHIDAE

Notacanthus chemnitzii Bloch largescale tapirfish
Syn.: *Notacanthus nasus* Bloch
Remarks: Robins et al. (1991) listed the common name for this fish as "spiny eel".
Trematoda
Antorchis spinosus (Atl)

ORDER ANGUILLIFORMES

Family ANGUILLIDAE

Anguilla rostrata (Le Sueur) American eel
Remarks: McAllister (1990) regarded the American eel as

a subspecies of the European eel and used the combination *Anguilla anguilla rostrata* (Le Sueur). Robins et al. (1991) retained it as a full species in their checklist and this is accepted herein. Margolis and Arthur (1979) listed previous Canadian records of parasites for this fish under the name *Anguilla rostrata*.

Ciliophora
Ichthyophthirius multifiliis (Ont)
Trichodina sp. (Ont)
Mastigophora
Trypanosoma burresoni (Ont)
Trypanosoma sp. (Ont)
Myxozoa
Myxidium illinoisense (Ont)
Trematoda
Azygia longa (Ont, NS)
Crepidostomum brevivitellum (NS)
Diplostomum spathaceum metacercaria (Ont)
Stephanostomum tenue (Atl)
Cestoidea
Bothriocephalus claviceps (Ont, NS)
Diphyllobothrium sp. plerocercoid (Ont)
Proteocephalus macrocephalus (Ont, NS)
Nematoda
Paraquimperia tenerrima (NS)
Spinitectus sp. (Ont)
Acanthocephala
Echinorhynchus salmonis (Ont)
Leptorhynchoides thecatus (Ont)
Annelida
Desserobdella phalera (exper)
Hemiclepsis marginata (exper)
Johanssonia arctica (exper)
Mollusca
Unionidae gen.sp. glochidium (Ont)
Copepoda
Ergasilus celestis (NS)
Ergasilus versicolor (Ont)

Family SYNAPHOBRANCHIDAE

Synaphobranchus kaupii Johnston slatjaw cutthroat eel
Remarks: Robins et al. (1991) listed the common name for this fish as "northern cutthroat eel".

Nematoda
Contraecum sp. (Atl)
Hysterothylacium sp. (Atl)
Copepoda
Lophoura gracilis (Atl)

ORDER CLUPEIFORMES

Family CLUPEIDAE

Alosa aestivalis (Mitchill) blueback herring
Trematoda

Brachyphallus crenatus (Atl)
Derogenes varicus (Atl)
Diplostomum spathaceum metacercaria (NB, Atl)
Lecithaster confusus (Atl)
 Monogenea
Mazocraeoides georgei (NB)
Mazocraeoides sp. (Atl)
 Cestoidea
Scolex pleuronectis plerocercoid (Atl)
 Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. larva (NB)
Hysterothylacium sp. (NB, Atl)
Pseudoterranova decipiens larva (Atl)
 Acanthocephala
Echinorhynchus gadi (Atl)
 Annelida
Calliobdella vivida (Atl)
 Mollusca
 Unionidae gen.sp. glochidium (Atl)
 Copepoda
Clavellisa cordata (Atl)
Alosa pseudoharengus (Wilson) gaspereau
 Remarks: Robins et al. (1991) retained the common name for this fish as "alewife" in their checklist, but McAllister (1990) used the long established Canadian vernacular "gaspereau".
 Apicomplexa
Goussia clupearum (Atl)
Goussia sp. (Atl)
 Mastigophora
Ichthyobodo sp. (Ont)
 Trematoda
Brachyphallus crenatus (Atl)
Derogenes varicus (Atl)
Diplostomum spathaceum metacercaria (Ont, NB, Atl)
Diplostomum spathaceum indistinctum metacercaria (Ont)
Hemiurus levinseni (Atl)
Lecithaster confusus (Atl)
Posthodiplostomum minimum metacercaria (Ont)
Tetracotyle sp. metacercaria (Ont)
 Monogenea
Mazocraeoides georgei (NB)
Mazocraeoides sp. (Atl)
 Cestoidea
Scolex pleuronectes plerocercoid (Atl)
 Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. (NB)
Hysterothylacium sp. (NB, Atl)
Pseudoterranova decipiens larva (Atl)
 Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Ont)

Annelida
Calliobdella vivida (Atl)
 Mollusca
 Unionidae gen.sp. glochidium (Atl)
 Copepoda
Clavellisa cordata (Atl)
Alosa sapidissima (Wilson) American shad
 Trematoda
Brachyphallus crenatus (Atl)
Derogenes varicus (Atl, NS)
Diplostomum spathaceum metacercaria (Atl, NS)
Genitocotyle atlantica (Atl, NS)
Hemiurus appendiculatus (Atl)
Hemiurus levinseni (Atl, NS)
Lecithaster confusus (Atl, NS)
 Opisthorchiidae gen.sp. metacercaria (Atl)
Podocotyle reflexa (Atl)
 Monogenea
Mazocraeoides georgei (Atl, NS)
 Cestoidea
Dasyrhynchus giganteus plerocercoid (Atl)
 Pseudophyllidea gen.sp. plerocercoid (Atl, NS)
Scolex pleuronectis plerocercoid (Atl, NS)
 Tetraphyllidea gen.sp. plerocercoid (Atl)
 Nematoda
Ascarophis morrhuae (Atl)
Hysterothylacium aduncum (Atl, NS)
 Annelida
Calliobdella vivida (Atl, NS)
 Copepoda
Actheres sp. (Atl)
Caligus elongatus (Atl)
Clavellisa cordata (Atl)
Clupea harengus Linnaeus Atlantic herring
 Apicomplexa
 Eimeriorina gen.sp. (Atl)
Eimeria sardinae (Atl)
Goussia clupearum (Atl)
 Myxozoa
Ceratomyxa auerbachii (Atl)
Kudoa clupeidae (Atl)
 Trematoda
Brachyphallus crenatus (Atl)
Cryptocotyle lingua metacercaria (Atl)
Derogenes varicus (Atl)
 Digenea gen.sp. (Atl)
Hemiurus levinseni (Atl)
Lecithaster confusus (Atl)
Lecithaster gibbosus (Atl)
 Monogenea
Gyrodactyloides andriaschewi (Atl)
Gyrodactylus harengi (Atl)
 Cestoidea
 Cestoidea gen.sp. plerocercoid (Atl)
Grillotia erinaceus plerocercoid (Atl)

- Nematoda
Rhabdochona canadensis (Ont)
- Acanthocephala
Echinorhynchus salmonis (Ont)
Neoechinorhynchus rutili (Ont)
- Mollusca
 Unionidae gen.sp. glochidium (Ont)
- Copepoda
Ergasilus sp. (Ont)
- Cyprinus carpio* Linnaeus common carp
- Trematoda
Diplostomum spathaceum metacercaria (Ont)
- Monogenea
Dactylogyrus anchoratus (Ont)
Dactylogyrus extensus (Ont)
Gyrodactylus katharineri (Ont)
Gyrodactylus medius (Ont)
Pseudacolpenteron pavlovskii (Ont)
- Nematoda
Pseudocapillaria (Pseudocapillaria) tomentosa (Ont)
Spinitectus gracilis (Ont)
- Acanthocephala
Pomphorhynchus bulbocolli (Ont)
- Copepoda
Ergasilus caeruleus (Ont)
Lernaea cyprinacea (Ont)
- Cyprinus carpio* Linnaeus × *Carassius auratus* (Linnaeus)
- Nematoda
Pseudocapillaria (Pseudocapillaria) tomentosa (Ont)
- Danio malabaricus* (Jerdon) giant danio
 Remarks: This fish does not occur naturally in Canada, but has been imported for the aquarium trade.
 Mastigophora
Trypanosoma danilewskyi (exper)
- Danio (Brachydanio) rerio* (Hamilton) zebra danio
 Remarks: This fish does not occur naturally in Canada, but has been imported for the aquarium trade.
 Trematoda
Diplostomum spathaceum metacercaria (exper)
- Luxilus cornutus* (Mitchill) common shiner
 Syn.: *Notropis cornutus* (Mitchill)
 Remarks: Customarily treated as a subgenus, *Luxilus* has been elevated to the status of genus and the combination *Luxilus cornutus* was used by Robins et al. (1991) in their checklist. McAllister (1990) used the combination *Notropis cornutus* without commenting on the status of *Luxilus*. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Notropis cornutus*, with *Luxilus cornutus* as its synonym.
- Apicomplexa
Eimeria sp. (Ont)
Goussia degiustii (Ont)
Goussia iroquoina (Ont, exper)
Goussia leucisci (Ont)
Goussia notropicum (Ont)
Octosporella notropis (Ont)
Octosporella sp. (Ont)
Rhabdospora thelohani (Ont)
- Ciliophora
Apiosoma triangularis (Ont)
Capriniana piscium (Ont)
Ichthyophthirius multifiliis (Ont)
Trichodina oviformis (Ont)
Trichodina rectangli (Ont)
Trichodina urinaria (Ont)
- Mastigophora
Hexamita salmonis (Ont)
Trypanosoma danilewskyi (exper)
- Myxozoa
Henneguya sp. (Ont)
Myxobolus fanthami (Ont)
Myxobolus microlatus (Ont)
Myxobolus nemachili (Ont)
Myxobolus notropis (Ont)
Myxobolus pseudokoi (Ont)
Myxobolus schuberti (Ont)
Myxobolus wellerae (Ont)
Myxobolus sp. (Ont)
 Myxosporea gen.sp. (Ont)
Thelohanellus notatus (Ont)
- Protista incertae sedis
Dermocystidium sp. (Ont)
- Rhizopoda
Cochliopodium sp. (Ont)
- Trematoda
Allocreadium lobatum (Ont)
Bucephalus sp. (Ont)
Clinostomum complanatum metacercaria (Ont)
Crassiphiala bulboglossa metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Neascus sp. metacercaria (Ont)
Phyllodistomum notropidus (Ont)
Plagioporus cooperi (Ont)
Plagioporus sinitsini (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Prototransversotrema sp. (Ont)
 Strigeidae gen.sp. metacercaria (Ont)
Tylodelphys scheuringi metacercaria (Ont)
- Monogenea
Dactylogyrus banghami (Ont)
Dactylogyrus bulbosus (Ont, NB)
Dactylogyrus cornutus (Ont)
Dactylogyrus luxili (Ont)
Dactylogyrus pollex (Ont)
Gyrodactylus sp. (Ont)
Octomacrum microconfibula (Ont)

Cestoidea		
<i>Proteocephalus ambloplitis</i> plerocercoid (Ont)		
Nematoda		
<i>Cucullanellus cotylophora</i> (exper)		
<i>Rhabdochona cascadilla</i> (Ont)		
<i>Rhabdochona decaturensis</i> (Ont)		
<i>Rhabdochona rotundicaudatum</i> (Ont, exper)		
<i>Rhabdochona</i> sp. (Ont)		
<i>Spiroxys</i> sp. larva (Ont)		
Acanthocephala		
<i>Pomphorhynchus bulbocolli</i> (Ont)		
Mollusca		
Unionidae gen.sp. glochidium (Ont)		
Copepoda		
<i>Ergasilus</i> sp. (Ont)		
<i>Margariscus margarita</i> Cope	pearl dace	
Syn.: <i>Semotilus margarita</i> (Cope)		
Remarks: Robins et al. (1991) listed the scientific name of the pearl dace as <i>Margariscus margarita</i> for reasons given on p. 76. McAllister (1990) listed the name as <i>Semotilus margaritus</i> . Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name <i>Semotilus margarita</i> .		
Myxozoa		
<i>Myxobolus pendula</i> (Ont)		
Trematoda		
<i>Diplostomum</i> sp. metacercaria (Que)		
<i>Tetracotyle</i> sp. metacercaria (Ont)		
Monogenea		
<i>Cleidodiscus brachus</i> (NB)		
<i>Dactylogyrus banghami</i> (Ont)		
<i>Dactylogyrus</i> sp. (NB)		
<i>Gyrodactylus margaritae</i> (Ont)		
<i>Octomacrum microconfibula</i> (NB)		
Nematoda		
<i>Rhabdochona canadensis</i> (Ont)		
Annelida		
<i>Piscicola</i> sp. (Ont)		
<i>Mylocheilus caurinus</i> (Richardson)	peamouth	
Myxozoa		
<i>Myxobolus aureatus</i> (BC)		
<i>Myxobolus bibullatus</i> (BC)		
<i>Myxobolus commersonii</i> (BC)		
<i>Myxobolus</i> sp. (BC)		
Trematoda		
<i>Allocreadium isoporun</i> (BC)		
<i>Allocreadium lobatum</i> (BC)		
<i>Diplostomum</i> sp. metacercaria (BC)		
<i>Phyllodistomum</i> sp. (BC)		
<i>Posthodiplostomum minimum</i> metacercaria (BC)		
Strigeidae gen.sp. metacercaria (BC)		
<i>Tetracotyle</i> sp. metacercaria (BC)		
<i>Tylodelphys scheuringi</i> metacercaria (BC)		
Monogenea		
Gyrodactylidea gen.sp. (BC)		
<i>Octomacrum lanceatum</i> (BC)		
<i>Octomacrum microconfibula</i> (BC)		
Cestoidea		
<i>Bothriocephalus opsariichthydis</i> (BC)		
<i>Edlintonia pychocheila</i> (BC)		
<i>Ligula intestinalis</i> plerocercoid (BC)		
<i>Proteocephalus</i> sp. (BC)		
Nematoda		
Capillariidae gen.sp. (BC)		
<i>Eustrongylides</i> sp. larva (BC)		
<i>Rhabdochona cascadilla</i> (BC)		
<i>Rhabdochona</i> sp. (BC)		
Acanthocephala		
<i>Neoechinorhynchus salmonis</i> (BC)		
<i>Pomphorhynchus bulbocolli</i> (BC)		
Copepoda		
<i>Ergasilus nerkae</i> (BC)		
<i>Nocomis biguttatus</i> (Kirtland)	hornyhead chub	
Trematoda		
<i>Neascus</i> sp. metacercaria (Ont)		
Nematoda		
<i>Rhabdochona cascadilla</i> (Ont)		
<i>Rhabdochona rotundicaudatum</i> (Ont)		
<i>Nocomis micropogon</i> (Cope)	river chub	
Trematoda		
<i>Neascus</i> sp. metacercaria (Ont)		
<i>Notemigonus crysoleucas</i> (Mitchill)	golden shiner	
Apicomplexa		
<i>Eimeria</i> sp. (Ont)		
<i>Goussia notemigonica</i> (Ont)		
<i>Octosporella opeongoensis</i> (Ont)		
<i>Octosporella sasajewunensis</i> (Ont)		
<i>Octosporella</i> sp. (Ont)		
Ciliophora		
<i>Apiosoma triangularis</i> (Ont)		
<i>Trichodina opeongoensis</i> (Ont)		
<i>Trichodina rectangli</i> (Ont)		
<i>Trichodina tunefaciens</i> (Ont)		
<i>Trichodina</i> sp. (Ont)		
<i>Trichodinella symmetrica</i> (Ont)		
Mastigophora		
<i>Hexamita salmonis</i> (Ont)		
Myxozoa		
<i>Chloromyxum esocinum</i> (Ont)		
<i>Myxobilatus legeri</i> (Ont)		
<i>Myxobolus argenteus</i> (Ont)		
<i>Myxobolus artus</i> (Ont)		
<i>Myxobolus musculi</i> (Ont)		
<i>Myxobolus notemigoni</i> (Ont)		
<i>Myxobolus notropis</i> (Ont)		
<i>Myxobolus spalli</i> (Ont)		
<i>Myxobolus</i> sp. (Ont, NS)		
<i>Thelohanellus notatus</i> (Ont)		
<i>Thelohanellus oviformis</i> (Ont)		
Trematoda		
<i>Allocreadium lobatum</i> (Ont)		

- Apophallus brevis* metacercaria (Ont)
Clinostomum complanatum metacercaria (Ont)
Crassiphiala bulboglossa metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Echinochasmus sp. metacercaria (Ont)
Neascus sp. metacercaria (Ont)
Phyllodistomum sp. (Ont)
Plagiocirrus primus (Ont)
Posthodiplostomum minimum metacercaria (Ont)
- Monogenea
- Dactylogyrus aureus* (Ont)
Dactylogyrus bulbosus (NB)
Dactylogyrus luxili (Ont)
Dactylogyrus parvicirrus (Ont, NB)
Gyrodactylus sp. (Ont)
Octomacrum microconfibula (Ont, NB)
- Cestoidea
- Ligula intestinalis* plerocercoid (Ont)
Pliovitellaria wisconsinensis (Ont)
- Nematoda
- Camallanus oxycephalus* (Ont)
Raphidascaris acus larva (Ont)
Rhabdochona sp. (Ont)
- Acanthocephala
- Neoechinorhynchus notemigoni* (Ont)
Neoechinorhynchus rutili (Ont)
Pomphorhynchus bulbocolli (Ont)
- Annelida
- Piscicola* sp. (Ont)
- Mollusca
- Unionidae gen.sp. glochidium (Ont)
- Copepoda
- Ergasilus* sp. (Ont)
- Notropis atherinoides* Rafinesque emerald shiner
- Trematoda
- Diplostomum spathaceum* metacercaria (Ont)
Plagioporus cooperi (Ont)
Posthodiplostomum minimum metacercaria (Ont)
- Monogenea
- Dactylogyrus* sp. (Ont)
Gyrodactylus sp. (Ont)
- Cestoidea
- Ligula intestinalis* plerocercoid (Sask)
- Nematoda
- Rhabdochona* sp. (Ont)
- Branchiura
- Argulus appendiculosus* (Man)
- Notropis heterolepis* Eigenmann and Eigenmann blacknose shiner
- Apicomplexa
- Goussia degiustii* (Ont)
- Ciliophora
- Trichodina rectangli* (Ont)
- Mastigophora
- Hexamita sahnonis* (Ont)
- Myxozoa
- Myxidium macrocapsulare* (Ont)
Myxobolus heterolepis (Ont)
Myxobolus nemachili (Ont)
Myxobolus scardini (Ont)
Thelohanellus notatus (Ont)
- Trematoda
- Clinostomum complanatum* metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Uvulifer ambloplitis metacercaria (Ont)
- Monogenea
- Dactylogyrus heterolepis* (Ont)
Dactylogyrus sp. (NB)
- Cestoidea
- Ligula intestinalis* plerocercoid (Ont)
Proteocephalus sp. (Ont)
- Nematoda
- Raphidascaris acus* larva (Ont)
Spiroxya sp. larva (Ont)
- Notropis hudsonius* (Clinton) spottail shiner
- Ciliophora
- Trichodina* sp. (Ont)
- Myxozoa
- Myxobolus fanthami* (Ont)
Myxobolus sp. (Ont)
Thelohanellus notatus (Ont)
- Trematoda
- Allocreadium lobatum* (Ont)
Apophallus brevis metacercaria (Man)
Centrovarium lobotes metacercaria (Ont)
Clinostomum complanatum metacercaria (Ont)
Crassiphiala bulboglossa metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Plagioporus cooperi (Ont)
Plagioporus sinitsini (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Sanguinicola sp. (Ont)
Tetracotyle sp. metacercaria (Ont)
Uvulifer ambloplitis metacercaria (Ont)
- Monogenea
- Dactylogyrus* sp. (Ont)
Gyrodactylus sp. (Ont)
Octomacrum semotili (Ont)
- Cestoidea
- Glaridacris* sp. (Ont)
Ligula intestinalis plerocercoid (Alta, Sask, Man, Ont)
Ligula sp. plerocercoid (Man)
Schistocephalus solidus plerocercoid (Man)
Schistocephalus sp. plerocercoid (Alta)
Spartoides wardi (Man)
Triaenophorus nodulosus plerocercoid (Ont)

- Nematoda
Cosmocephalus obvelatus larva (Ont)
Paracuaria adunca larva (Ont)
Rhabdochona decaturensis (Ont)
- Acanthocephala
Neoechinorhynchus notemigoni (Ont)
Neoechinorhynchus rutili (Ont)
Pomphorhynchus bulbocolli (Ont)
- Annelida
Myzobdella lugubris (Man)
- Copepoda
Ergasilus sp. (Man, Ont)
- Notropis rubellus* (Agassiz) rosyface shiner
- Trematoda
Diplostomum spathaceum metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)
- Notropis* sp.
- Myxozoa
Henneguya fontinalis variety *notropis* (Ont)
- Nematoda
Cosmocephalus obvelatus larva (exper)
- Phoxinus eos* (Cope) northern redbelly dace
Syn.: *Chrosomus eos* Cope
Remarks: Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Chrosomus eos*, with *Phoxinus eos* as its synonym.
- Ciliophora
Trichodina sp. (Ont)
- Myxozoa
Myxobolus conspicuus (Ont)
- Trematoda
Clinostomum complanatum metacercaria (Ont)
Phyllodistomum sp. (Ont)
- Monogenea
Cleidodiscus brachus (NB)
Dactylogyrus chrosomi (Ont)
Dactylogyrus eos (Ont, NB)
Gyrodactylus sp. (Ont, NB)
Octomacrum microconfibula (NB)
Octomacrum semotili (Ont)
- Nematoda
Rhabdochona canadensis (Ont)
- Mollusca
Unionidae gen.sp. glochidium (Ont)
- Phoxinus neogaeus* (Cope, in Günther) finescale dace
- Ciliophora
Trichodina sp. (Ont)
- Myxozoa
Myxobolus conspicuus (Ont)
Thelohanellus notatus (Ont)
- Trematoda
Clinostomum complanatum metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Phyllodistomum sp. (Ont)
- Posthodiplostomum minimum* metacercaria (Ont)
Tetracotyle sp. metacercaria (Ont)
- Monogenea
Dactylogyrus chrosomi (Ont)
Dactylogyrus sp. (Ont)
Gyrodactylus sp. (Ont)
Octomacrum semotili (Ont)
- Cestoidea
Paradilepis sp. cysticeroid (Ont)
Pliovitellaria wisconsinensis (Ont)
- Nematoda
Rhabdochona canadensis (Ont)
Spiroxys sp. larva (Ont)
- Acanthocephala
Neoechinorhynchus rutili (Ont)
- Mollusca
Unionidae gen.sp. glochidium (Ont)
- Branchiura
Argulus catostomi (Ont)
- Pimephales notatus* (Rafinesque) bluntnose minnow
- Apicomplexa
Goussia degiustii (Ont)
- Ciliophora
Ichthyophthirius multifiliis (Ont)
- Microspora
Glugea pimephales (Ont)
- Myxozoa
Thelohanellus notatus (Ont)
- Trematoda
Centrovarium lobotes metacercaria (Ont)
Clinostomum complanatum metacercaria (Ont)
Crassiphiala bulboglossa metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum spathaceum indistinctum metacercaria (Ont)
Diplostomum sp. metacercaria (Ont)
Neascus sp. metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)
- Monogenea
Dactylogyrus bifurcatus (Ont)
Dactylogyrus sp. (Ont)
Gyrodactylus sp. (Ont)
- Cestoidea
Ligula intestinalis plerocercoid (Ont)
Pliovitellaria wisconsinensis (Ont)
Proteocephalus sp. (Ont)
- Nematoda
Raphidascaris acus larva (Ont)
- Acanthocephala
Neoechinorhynchus rutili (Ont)
- Copepoda
Ergasilus sp. (Ont)
- Pimephales promelas* Rafinesque fathead minnow
- Apicomplexa
Goussia degiustii (Ont)
Goussia iroquoina (Ont, exper)

- Microspora
Glugea pinephales (Ont)
- Myxozoa
 Myxosporea gen.sp. (Alta)
- Trematoda
Crassiphiala bulboglossa metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Ont)
Neascus sp. metacercaria (Ont)
- Monogenea
Dactylogyrus bifurcatus (Ont)
Dactylogyrus sp. (Ont)
Gyrodactylus lacustris (Ont)
Gyrodactylus sp. (Ont)
Octomacrum lanceatum (Ont)
Octomacrum semotili (Ont)
- Cestoidea
Ligula intestinalis plerocercoid (Sask, Ont)
Pliovitellaria wisconsinensis (Ont)
- Nematoda
Contraecum sp. (Alta, Man)
Raphidascaris acus larva (Ont)
- Acanthocephala
Neoechinorhynchus sp. (Ont)
- Ptychocheilus oregonensis* (Richardson) northern squawfish
- Mastigophora
Cryptobia sp. (BC)
- Myxozoa
Chloromyxum catostomi (BC)
Chloromyxum montschadskii (BC)
Myxobolus aureatus (BC)
Myxobolus bibullatus (BC)
Myxobolus sp. (BC)
Unicauda crassicauda (BC)
- Trematoda
Allocreadium isoporum (BC)
Allocreadium lobatum (BC)
Diplostomum baeri bucculentum metacercaria (BC)
Diplostomum spathaceum metacercaria (BC)
Diplostomum sp. metacercaria (BC)
Ichthyocotylurus platycephalus metacercaria (BC)
Neascus sp. metacercaria (BC)
Phyllodistomum sp. (BC)
Posthodiplostomum minimum metacercaria (BC)
Strigeidae gen.sp. metacercaria (BC)
Tetracotyle sp. metacercaria (BC)
Tylodelphys scheuringi metacercaria (BC)
- Monogenea
Dactylogyrus vanclavei (BC)
Gyrodactylidea gen.sp. (BC)
Gyrodactylus sp. (BC)
- Cestoidea
Bothriocephalus opsariichthydis (BC)
Cestoidea gen.sp. (BC)
- Eubothrium tulipai* (BC)
Eubothrium sp. (BC)
Ligula intestinalis plerocercoid (BC)
Paradilepis simoni cysticercoid (BC)
Proteocephalus ptychocheilus (BC)
- Nematoda
 Capillariidae gen.sp. (BC)
Eustrongylides sp. larva (BC)
Hysterothylacium sp. (BC)
Raphidascaris acus larva (BC)
Rhabdochona cascadiella (BC)
Rhabdochona sp. (BC)
Truttaedacnitis truttae (BC)
- Acanthocephala
Neoechinorhynchus cristatus (BC)
Neoechinorhynchus rutili (BC)
Neoechinorhynchus salmonis (BC)
Pomphorhynchus bulbocolli (BC)
- Mollusca
Anodonta sp. glochidium (BC)
- Copepoda
Ergasilus nerkae (BC)
- Arachnoidea
Unionicola sp. larva (BC)
- Rhinichthys atratulus* (Hermann) blacknose dace
- Trematoda
Clinostomum complanatum metacercaria (Ont)
Neascus sp. metacercaria (Ont)
Tetracotyle sp. metacercaria (Ont)
- Monogenea
Dactylogyrus banghami (Ont)
Gyrodactylus dechtiari (Ont)
- Rhinichthys cataractae* (Valenciennes) longnose dace
- Myxozoa
Henneguya zschokkei (BC)
Myxobolus microthecus (BC)
Myxobolus sp. (BC, Ont)
- Trematoda
Allocreadium lobatum (Ont)
Crassiphiala bulboglossa metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Neascus sp. metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Tetracotyle sp. metacercaria (BC)
- Monogenea
Dactylogyrus banghami (Ont)
Gyrodactylus atratuli (Ont)
Gyrodactylus dechtiari (Ont)
Gyrodactylus stunkardi (Ont)
- Cestoidea
Triaenophorus nodulosus plerocercoid (Ont)
- Nematoda
Rhabdochona canadensis (Ont)
Rhabdochona milleri (BC)
Spiroxys sp. larva (Ont)

- Acanthocephala
Pomphorhynchus bulbocolli (Ont)
- Copepoda
Ergasilus caeruleus (Ont)
- Richardsonius balteatus* (Richardson) redbottom shiner
- Microspora
Pleistophora sp. (BC)
- Myxozoa
Henneguya zschokkei (BC)
Myxobolus aureatus (BC)
Myxobolus microthecus (BC)
Myxobolus sp. (BC)
Wardia sp. (BC)
- Trematoda
Diplostomum sp. metacercaria (BC)
Phyllodistomum sp. (BC)
Posthodiplostomum minimum metacercaria (BC)
Tetracotyle sp. metacercaria (BC)
Tylodelphys scheuringi metacercaria (BC)
- Monogenea
Octomacrum microconfibula (BC)
Pellucidhaptor pellucidhaptor (BC)
- Cestoidea
Ligula intestinalis plerocercoid (BC)
- Nematoda
Rhabdochona cascadilla (BC)
Rhabdochona sp. (BC)
- Acanthocephala
Neoechinorhynchus cylindratus (BC)
Neoechinorhynchus rutili (BC)
Neoechinorhynchus sp. (BC)
- Semotilus atromaculatus* (Mitchill) creek chub
- Apicomplexa
Goussia degiustii (Ont)
- Ciliophora
Apiosoma triangularis (Ont)
Ichthyophthirius multifiliis (Ont)
Trichodina opeongoensis (Ont)
Trichodina tumefaciens (Ont)
Trichodinella symmetrica (Ont)
- Mastigophora
Cryptobia cataractae (Ont)
Hexamita sabnonis (Ont)
- Myxozoa
Myxobilatus semotilii (Ont)
Myxobolus muelleri (Ont)
Myxobolus pellicides (Ont)
Myxobolus pendula (Ont)
Sphaerospora paulini (Ont)
- Trematoda
Allocreadium lobatum (Ont)
Allocreadium sp. (Ont)
Bucephalus sp. (Ont)
Crassiphiala bulboglossa metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Neascus sp. metacercaria (Ont)
- Phyllodistomum semotili* (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Strigeidae gen.sp. metacercaria (Ont)
- Monogenea
Cleidodiscus brachus (NB)
Dactylogyrus atromaculatus (Ont)
Dactylogyrus attenuatus (Ont)
Dactylogyrus dubius (NB)
Dactylogyrus lineatus (Ont)
Dactylogyrus microphallus (Ont)
Dactylogyrus semotili (Ont)
Dactylogyrus sp. (NB)
Gyrodactylus sp. (Ont, NB)
Octomacrum microconfibula (Ont)
Octomacrum semotili (Ont)
Urocleidus brachus (Ont)
- Cestoidea
Ligula intestinalis plerocercoid (Ont)
- Nematoda
Cosmocephalus obvelatus larva (Ont)
Paracuaria adunca larva (Ont)
Rhabdochona canadensis (Ont)
Rhabdochona cascadilla (Ont)
Rhabdochona rotundicaudatum (Ont)
Rhabdochona sp. (Ont)
Spiroxys sp. larva (Ont)
- Acanthocephala
Neoechinorhynchus saginatus (Ont)
Pomphorhynchus bulbocolli (Ont)
- Annelida
Piscicola sp. (Ont)
- Mollusca
Unionidae gen.sp. glochidium (Ont)
- Copepoda
Ergasilus sp. (Ont)
- Semotilus corporalis* (Mitchill) fallfish
- Trematoda
Allocreadium lobatum (NB)
Crassiphiala bulboglossa metacercaria (Ont)
Metorchis conjunctus metacercaria (Que)
Tylodelphys scheuringi metacercaria (Ont)
- Monogenea
Dactylogyrus corporalis (NB)
- Nematoda
Rhabdochona canadensis (Ont)
- Copepoda
Ergasilus sp. (Ont)
- Family CATOSTOMIDAE
- Carpionodes cyprinus* (Le Sueur) quillback
- Ciliophora
Trichodina sp. (Ont)
- Myxozoa
Myxobolus meglitschi (Ont)
Myxobolus sp. (Man)

Trematoda
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Ont)
Lissorchis attenuatus (Ont)
Lissorchis gullaris (Man)
Phyllodistomum hysteri (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Sanguinicola sp. (Ont)
Tetracotyle sp. metacercaria (Ont)

Monogenea
Acolpenteron catostomi (Ont)
Anonchhaptor anomalum (Man, Ont)
Anonchhaptor muelleri (Ont)
Gyrodactylus sp. (Ont)
Icelanonchhaptor fyviei (Ont)
Icelanonchhaptor microcotyle (Ont)
Neodiscocotyle carpioditis (Ont)
Pellucidhaptor angularis (Ont)
Pellucidhaptor eremitus (Ont)
Pellucidhaptor eriensis (Ont)
Pellucidhaptor micracanthus (Ont)

Cestoidea
Biacetabulum sp. (Ont)
Ligula intestinalis plerocercoid (Man)
Monobothrium hunteri (Ont)
Rowardleus pennensis (Man)
Spartoides wardi (Man, Ont)
Triaenophorus nodulosus plerocercoid (Ont)

Nematoda
Camallanus ancyloDIRUS (Ont)
Camallanus oxycephalus (Ont)
Philometroides nodulosa (Ont)
Rhabdochona milleri (Ont)

Acanthocephala
Neoechinorhynchus carpiodi (Man, Ont)
Neoechinorhynchus sp. (Man)
Pomphorhynchus bulbocolli (Man, Ont)

Mollusca
Unionidae gen.sp. glochidium (Man, Ont)

Branchiura
Argulus appendiculosus (Man)
Argulus catostomi (Ont)

Copepoda
Ergasilus caeruleus (Ont)
Ergasilus lizae (Man)
Ergasilus sp. (Ont)

Catostomus catostomus (Forster) longnose sucker

Ciliophora
Ichthyophthirius multifiliis (Ont)
Trichodina sp. (BC)

Myxozoa
Myxobolus bibullatus (BC, Ont)
Myxobolus commersonii (BC)
Myxobolus spp. (BC, NB, NS)
Neomyxobolus ophiocephalus (BC)

Trematoda
Bucephalus sp. (Ont)
Crepidostomum farionis (BC)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum spathaceum indistinctum metacercaria (Ont)
Diplostomum sp. metacercaria (BC, Que)
Ichthyocotylurus platycephalus metacercaria (BC)
Lissorchis attenuatus (BC, Ont)
Metorchis conjunctus metacercaria (Que)
Neascus sp. metacercaria (BC)
Phyllodistomum hysteri (Ont)
Posthodiplostomum minimum metacercaria (BC)
Sanguinicola sp. (Ont)
Sanguinicolidae gen.sp. (BC)
Tetracotyle sp. metacercaria (BC, Ont)

Monogenea
Acolpenteron catostomi (BC, Ont)
Anonchhaptor anomalum (BC, Ont)
Gyrodactylus sp. (Ont)
Monogenea gen.sp. (BC)
Octomacrum lanceatum (BC, Ont)
Pellucidhaptor catostomi (Ont)
Pellucidhaptor nasalis (BC)
Pseudomurraytrema copulatum (BC, Ont)

Cestoidea
Caryophyllidea gen.sp. (BC)
Cestoidea gen.sp. (BC)
Glaridacris catostomi (BC, Sask, Ont, Que)
Glaridacris sp. (Alta)
Hunterella nodulosa (Ont)
Ligula intestinalis plerocercoid (BC, Sask, Ont)
Monobothrium sp. (BC)
Proteocephalus sp. (Ont)
Triaenophorus nodulosus plerocercoid (Ont)

Nematoda
Eustrongylides tubifex larva (Ont)
Philometroides huronensis (BC)
Philometroides nodulosa (Ont)
Rhabdochona cascadilla (Alta)
Rhabdochona catostomi (Alta)
Rhabdochona sp. (BC)
Raphidascaris acus adult (Que)

Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Alta, Ont)
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus crassus (Man, Ont, Lab)
Neoechinorhynchus cristatus (BC, Ont, Que)
Neoechinorhynchus salmonis (BC)
Octospinifer macilentus (BC)
Pomphorhynchus bulbocolli (Ont)

Annelida
Actinobdella inequiannulata (Sask, Ont)
Actinobdella sp. (Ont)
Myzobdella lugubris (Sask)
Piscicola geometra (Sask)

- Mollusca
 Unionidae gen.sp. glochidium (Ont)
- Branchiura
Argulus catostomi (Ont)
- Copepoda
Ergasilus caeruleus (Ont)
Ergasilus nerkae (BC, Ont)
Ergasilus sp. (Alta)
Lernaea catostomi (Sask)
- Catostomus columbianus* (Eigenmann and Eigenmann)
 bridgelip sucker
- Myxozoa
Myxobolus spp. (BC)
- Trematoda
Diplostomum sp. metacercaria (BC)
- Monogenea
Acolpenteron catostomi (BC)
Pseudomurraytrema copulaum (BC)
- Nematoda
Hysterothylacium sp. (BC)
- Annelida
Actinobdella inequiannulata (BC)
- Catostomus commersoni* (Lacépède) white sucker
- Ciliophora
Capriniana sp. (NS)
Ichthyophthirius multifiliis (Ont)
Trichodina sp. (Ont)
- Mastigophora
Cryptobia catostomi (Ont, exper)
Trypanosoma catostomi (Ont)
Trypanosoma danilewskyi (exper)
- Myxozoa
Myxidium commersoni (NS)
Myxobolus bibullatus (Ont, NS)
Myxobolus lamellus (NS)
Myxobolus subcircularis (NB)
Myxobolus spp. (BC)
Neomyxobolus ophiocephalus (BC)
- Rhizopoda
Cochliopodium sp. (Ont)
- Trematoda
Allocreadium lobatum (Ont)
Bucephalus sp. (Ont)
Clinostomum complanatum metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum spathaceum indistinctum
 metacercaria (Ont)
Diplostomum sp. metacercaria (Que)
Lissorchis attenuatus (Alta, Ont)
Metorchis conjunctus metacercaria (Man, Que)
Neascus sp. metacercaria (Ont)
Phyllodistomum hysteri (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Sanguinicola sp. (Ont)
Tetracotyle sp. metacercaria (BC, Ont)
- Monogenea
Acolpenteron catostomi (Ont, NB)
Anonchhaptor anomalum (BC, Ont, NB)
Gyrodactylus spathulatus (Ont)
Gyrodactylus sp. (Ont)
Octomacrum lanceatum (Ont)
Pellucidhaptor nasalis (BC, Ont, NB)
Pseudomurraytrema alabarrum (Ont)
Pseudomurraytrema copulatum (BC, Ont)
- Cestoidea
Biacetabulum sp. (Ont)
Caryophyllidea gen.sp. (Alta)
Glaridacris catostomi (BC, Man, Ont, Que, NB)
Glaridacris laruei (Que)
Glaridacris sp. (Alta, Man)
Hunterella nodulosa (BC, Alta, Ont)
Isoglaridacris bulbocirrus (Ont)
Ligula intestinalis plerocercoid (Sask, Man, Ont)
Monobothrium sp. (BC)
Triaenophorus nodulosus plerocercoid (Ont)
- Nematoda
Eustrongylides tubifex larva (Ont)
Philometra kobulesi (Ont)
Philometra sp. (Ont)
Philometroides huronensis (BC, Ont)
Philometroides nodulosa (Ont)
Pseudocapillaria (Pseudocapillaria) tomentosa
 (Ont)
Raphidascaris acus larva (Ont)
Rhabdochona cascadilla (Alta)
Rhabdochona ovifilamenta (Ont)
- Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Alta, Man, Ont)
Neoechinorhynchus crassus (Man, Ont)
Neoechinorhynchus cristatus (BC, Ont)
Neoechinorhynchus saginatus (Ont)
Neoechinorhynchus strigosus (Alta, Ont)
Neoechinorhynchus sp. (Man)
Octospinifer macilentus (BC, Alta, Ont)
Pomphorhynchus bulbocolli (BC, Alta, Man, Ont)
Pomphorhynchus sp. (Man)
- Annelida
Actinobdella inequiannulata (Sask, Ont, exper)
Myzobdella lugubris (Man)
Myzobdella sp. (Ont)
Piscicola geometra (Sask)
Placobdella montifera (Man)
- Mollusca
 Unionidae gen.sp. glochidium (Ont)
- Branchiura
Argulus appendiculosus (Man, Ont)
Argulus biramosus (Alta)
Argulus catostomi (Ont)
Argulus stizostethi (Man)
- Copepoda
Ergasilus caeruleus (Ont)

Ergasilus nerkae (BC)
Ergasilus sp. (Alta, Ont)
Lernaea catostomi (Sask)
Lernaea cyprinacea (Man)

Catostomus macrocheilus Girard largescale sucker

Myxozoa
Ceratomyxa sp. (BC)
Chloromyxum granulorum (BC)
Myxidium macrocheili (BC)
Myxobolus commersonii (BC)
Myxobolus spp. (BC)
Neomyxobolus ophiocephalus (BC)

Trematoda
Diplostomum sp. metacercaria (BC)
Ichthyocotylurus platycephalus metacercaria (BC)
Lissorchis attenuatus (BC)
Tetracotyle sp. metacercaria (BC)
Tylodelphys scheuringi metacercaria (BC)

Monogenea
Acolpenteron catostomi (BC)
Anonchohaptor anomalum (BC)
Octomacrum lanceatum (BC)
Pseudomurraytrema copulatum (BC)

Cestoidea
Caryophyllaeidae gen.sp. (BC)
Glaridacris catostomi (BC)
Glaridacris vogei (BC)
Glaridacris sp. (BC)
Hunterella nodulosa (BC)

Nematoda
Philometroides huronensis (BC)
Rhabdochona zacconis (BC)
Rhabdochona sp. (BC)

Acanthocephala
Neoechinorhynchus cristatus (BC)
Neoechinorhynchus salmonis (BC)
Octospinifer macilentis (BC)
Pomphorhynchus bulbocolli (BC)

Annelida
Hirudinea gen.sp. (BC)
Piscicola salmositica (BC)
Piscicola sp. (BC)

Copepoda
Ergasilus nerkae (BC)

Hypentelium nigricans (Le Sueur) northern hog sucker

Cestoidea
Ligula intestinalis plerocercoid (Ont)

Nematoda
Philometra sp. (Ont)

Acanthocephala
Neoechinorhynchus saginatus (Ont)

Moxostoma anisurum (Rafinesque) silver redhorse

Monogenea
Pellucidhaptor moxostomi (Ont)
Pellucidhaptor thelostea (Ont)

Moxostoma macrolepidotum (Le Sueur) shorthead redhorse
 Syn.: *Moxostoma aureolum* (Le Sueur)

Myxozoa
Myxobolus sp. (Ont)

Trematoda
Phyllodistomum hysteri (Ont)

Monogenea
Anonchohaptor anomalum (Ont)
Dactylogyrus duquesni (Ont)
Dactylogyrus urus (Ont)
Gyrodactylus sp. (Ont)
Pellucidhaptor eriensis (Ont)
Pellucidhaptor thelostea (Ont)
Pellucidhaptor sp. (Ont)
Pseudomurraytrema copulatum (Ont)

Cestoidea
Glaridacris catostomi (Ont)
Triaenophorus nodulosus plerocercoid (Ont)

Nematoda
Rhabdochona milleri (Ont)

Acanthocephala
Neoechinorhynchus crassus (Man, Ont)
Pomphorhynchus bulbocolli (Man)

Annelida
Cystobranchnus verrilli (Man)
Myzobdella lugubris (Man)
Placobdella montifera (Man)

Branchiura
Argulus catostomi (Ont)

Copepoda
Ergasilus caeruleus (Ont)
Lernaea catostomi (Sask)

Catostomidae of Undetermined Species

Catostomidae gen.sp.
 Acanthocephala
Pomphorhynchus bulbocolli (Que)

ORDER SILURIFORMES Family ICTALURIDAE

Ameiurus nebulosus (Le Sueur) brown bullhead
 Syn.: *Ictalurus nebulosus* (Le Sueur)
 Remarks: Robins et al. (1991) listed the scientific name of the brown bullhead as *Ameiurus nebulosus* following the validation of the generic name *Ameiurus*. McAllister (1990) listed the name as *Ictalurus nebulosus*. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Ictalurus nebulosus*, with *Ameiurus nebulosus* as a synonym.

Mastigophora
Trypanosoma danilewskyi (exper)

- Myxozoa
Henneguya exilis (Ont)
Sphaerospora hankai (Ont)
- Trematoda
Acetodextra amiuri (Ont, Que)
Alloglossidium geminus (Ont, Que)
Clinostomum complanatum metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont, Que)
Megalogonia ictaluri (Ont, Que)
Microphallus opacus (Ont)
Phyllodistomum staffordi (Ont)
Phyllodistomum sp. (Que)
Tetracotyle sp. metacercaria (Ont)
- Monogenea
Gyrodactylus nebulosus (Ont)
Ligictaluridus monticellii (Ont)
Ligictaluridus pricei (Ont, NB)
- Cestoidea
Corallobothrium funbriatum (Ont, Que)
Corallotaenia minutia (Ont)
Haplobothrium globuliforme (Ont)
- Nematoda
Diectophyna renale larva (Ont)
Eustrongylides tubifex larva (Ont)
Rhabdochona rotundicaudatum (Ont)
Spiroxys sp. larva (Ont)
- Acanthocephala
Acanthocephalus sp. (Que)
Leptorhynchoides thecatus (Ont)
Pomphorhynchus bulbocolli (Ont)
- Annelida
Desserobdella phalera (exper)
Myzobdella lugubris (Ont)
- Mollusca
Unionidae gen.sp. glochidium (Ont)
- Copepoda
Ergasilus versicolor (Man, Ont)
Ergasilus sp. (Ont)
- Ictalurus punctatus* (Rafinesque) channel catfish
- Ciliophora
Ichthyophthirius multifiliis (Ont)
- Myxozoa
Henneguya exilis (Ont)
- Trematoda
Acetodextra amiuri (Ont)
Alloglossidium corti (Ont)
Clinostomum complanatum metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Megalogonia ictaluri (Ont)
Microphallus opacus (Ont)
Phyllodistomum lacustris (Ont)
- Monogenea
Gyrodactylus sp. (Ont)
Ligictaluridus floridanus (Ont)
Ligictaluridus mirabilis (Ont)
Ligictaluridus pricei (Ont)
- Cestoidea
Bothriocephalus sp. (Ont)
Corallobothrium funbriatum (Ont)
Megathylacoides giganteum (Ont)
Proteocephalus ambloplites plerocercoid (Ont)
- Nematoda
Eustrongylides tubifex larva (Ont)
Raphidascaris acus larva (Ont)
- Acanthocephala
Echinorhynchus salmonis (Ont)
Pomphorhynchus bulbocolli (Ont)
- Annelida
Myzobdella lugubris (Ont)
- Mollusca
Unionidae gen.sp. glochidium (Ont)
- Branchiura
Argulus biramosus (Ont)
- Copepoda
Achtheres pimelodi (Ont)
- Noturus flavus* Rafinesque stonecat
- Trematoda
Alloglossidium corti (Ont)
Alloglossidium geminus (Ont)
Megalogonia ictaluri (Ont)
- Monogenea
Ligictaluridus posthon (Ont)
Ligictaluridus pricei (Ont)
- Cestoidea
Proteocephalus sp. (Ont)
- Nematoda
Hysterothylacium brachyurum larva (Ont)
Rhabdochona decaturensis (Ont)
- Acanthocephala
Leptorhynchoides thecatus (Ont)
- Copepoda
Ergasilus versicolor (Ont)
- Noturus gyrinus* (Mitchill) tadpole madtom
- Trematoda
Alloglossidium corti (Ont)
Diplostomum spathaceum metacercaria (Ont)
Megalogonia ictaluri (Ont)
- Monogenea
Ligictaluridus pricei (Ont)
- Nematoda
Rhabdochona decaturensis (Ont)
- ORDER SALMONIFORMES**
Family ESOCIDAE
- Esox lucius* Linnaeus northern pike
- Trematoda
Azygia angusticauda (Ont)
Azygia longa (Ont)
Centrovarium lobotes metacercaria (Ont)
Centrovarium lobotes (Man, Ont)

- Crepidostomum farionis* (Man)
 Digenea gen.sp. (Alta)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Alta, Que)
Phyllodistomum sp. (Ont)
Tetracotyle sp. metacercaria (Ont)
Uvulifer ambloplitis metacercaria (Ont)
- Monogenea
 Dactylogyridae gen.sp. (Alta)
Gyrodactylus lucii (Ont)
Gyrodactylus sp. (Ont)
Tetraonchus monenteron (Alta, Man, Ont, Lab)
- Cestoidea
Bothriocephalus cuspidatus (Man, Ont)
Bothriocephalus sp. (Man)
Cyathocephalus truncatus (Man)
Diphyllobothrium latum plerocercoid (Man)
Diphyllobothrium sp. plerocercoid (Man)
Eubothrium sp. (Alta)
Glaridacris catostomi (Man)
Ligula sp. plerocercoid (Man)
Proteocephalus pinguis (Alta, Man, Ont, Que, Lab)
Proteocephalus stizostethi (Ont)
Proteocephalus sp. (Alta, Man, Que)
Schistocephalus solidus plerocercoid (Alta)
Triaenophorus crassus adult (Alta, Sask, Man, Ont, Que, Lab)
Triaenophorus nodulosus plerocercoid (Man)
Triaenophorus nodulosus adult (Alta, Man, Ont)
Triaenophorus sp. adult (Alta, Man)
- Nematoda
Camallanus oxycephalus (Ont)
Cystidicola sp. (Alta)
Hysterothylacium brachyurum adult (Man, Ont)
Raphidascaris acus larva (Man, Ont)
Raphidascaris acus adult (Alta, Man, Ont, Que, Lab, exper)
Raphidascaris sp. (Alta, Man)
Spinitectus carolini (Ont)
Spinitectus gracilis (Man)
- Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus lateralis (Lab)
Echinorhynchus leidyi (Man)
Echinorhynchus salmonis (Alta, Man, Ont)
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus cylindratus (Ont)
Neoechinorhynchus strigosus (Alta)
Neoechinorhynchus tenellus (Ont)
- Annelida
Desserobdella phalera (exper)
Myzobdella sp. (Ont)
Piscicola geometra (Sask)
Piscicola milneri (Man)
Placobdella montifera (Man)
- Mollusca
 Unionidae gen.sp. glochidium (Man, Ont)
- Branchiura
Argulus appendiculosus (Man)
Argulus stizostethi (Man)
Argulus sp. (Ont)
- Copepoda
Ergasilus caeruleus (Ont)
Ergasilus luciopercarum (Man)
Salmincola extensus (Man)
- Esox masquinongy* Mitchell muskellunge
- Myxozoa
Henneguya acuta (Ont)
Myxobolus dentium (Ont)
- Trematoda
Azygia angusticauda (Ont)
Azygia longa (Ont)
- Monogenea
Gyrodactylus fryi (Ont)
Gyrodactylus sp. (Ont)
- Cestoidea
Bothriocephalus cuspidatus (Ont)
Proteocephalus pinguis (Ont)
Proteocephalus stizostethi (Ont)
Triaenophorus crassus adult (Ont)
Triaenophorus nodulosus adult (Ont)
- Nematoda
Hysterothylacium brachyurum adult (Ont)
Raphidascaris acus adult (Ont)
- Acanthocephala
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus cylindratus (Ont)
- Mollusca
 Unionidae gen.sp. glochidium (Ont)
- Family UMBRIDAE
- Umbra limi* (Kirtland) central mudminnow
- Ciliophora
Ligictaluridus pricei (Ont)
Trichodina sp. (Ont)
- Trematoda
Bunodera eucaliae (Ont)
Crassiphala bulboglossa metacercaria (St. Lawrence River)
Creptotrema funduli (Ont)
Diplostomum spathaceum metacercaria (Ont)
Phyllodistomum brevicacuum (Ont)
Tetracotyle sp. metacercaria (Ont)
- Monogenea
Gyrodactylus limi (Ont)
- Cestoidea
Proteocephalus sp. (Ont)
- Nematoda
Raphidascaris acus larva (Ont)
Spiroxys sp. larva (Ont)

SUBORDER ARGENTINOIDEI

Family ARGENTINIDAE

Argentina silus (Ascanius) Atlantic argentine
Nematoda
Anisakis simplex larva (Atl)

Family BATHYLAGIDAE

Bathylagus euryops Goode and Bean goitre blacksmelt
Remarks: This fish was not listed in the checklist by Robins
et al. (1991)
Copepoda
Paeonocanthus antarcticensis (Atl)

Family ALEPOCEPHALIDAE

Alepocephalus agassizi Goode and Bean dusky slickhead
Remarks: This fish was not listed in the checklist by Robins
et al. (1991)

Trematoda
Dinosoma triangulata (Atl)
Lecithophyllum botryophorum (Atl)
Olssonium turneri (Atl)
Steganodermatoides agassizi (Atl)
Zoogonidae gen.sp. (Atl)
Cestoidea
Philobothroides stunkardi (Atl)
Probothriocephalus muelleri (Atl)
Pseudophyllidea gen.sp. plerocercoid (Atl)
Scolex sp. plerocercoid (Atl)
Nematoda
Anisakis sp. larva (Atl)

Alepocephalus bairdi Goode and Bean manyray smoothhead
Remarks: This fish was not listed in the checklist by Robins
et al. (1991).

Myxozoa
Palliatius indecorus (Atl)
Trematoda
Dinosoma triangulata (Atl)
Lecithophyllum botryophorum (Atl)
Olssonium turneri (Atl)
Steganodermatoides agassizi (Atl)
Steringophorus pritchardae (Atl)
Monogenea
Paracyclocoyle cherbonnieri (Atl)
Cestoidea
Philobothroides stunkardi (Atl)
Probothriocephalus muelleri (Atl)
Acanthocephala
Echinorhynchus gadi (Atl)
Copepoda
Periplexis lobodes (Atl)

SUBORDER SALMONOIDEI

Family OSMERIDAE

Hypomesus pretiosus (Girard) surf smelt
Trematoda
Cryptocotyle lingua metacercaria (BC)

Mallotus villosus (Müller) capelin
Trematoda

Derogenes varicus (Atl)
Hemiurus levinseni (Atl)
Lecithaster gibbosus (Atl)
Monogenea
Gyrodactyloides andriaschewi (Atl)
Gyrodactyloides petruschewskii (Atl)
Laminiscus gusevi (Atl)

Cestoidea
Diphyllobothrium sp. plerocercoid (Atl)
Eubothrium parvum (Atl)
Pseudophyllidea gen.sp. plerocercoid (Atl)
Tetraphyllidea gen.sp. plerocercoid (Atl)

Nematoda
Anisakis simplex larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva
(Atl)
Hysterothylacium aduncum (Atl)
Hysterothylacium sp. larva (Atl)
Acanthocephala
Echinorhynchus gadi (Atl)

Osmerus mordax (Mitchill) rainbow smelt

Microspora
Glugea hertwigi (Atl, Ont, Que-b, NB, NS)
Trematoda
Brachyphallus crenatus (Nfld)
Cryptocotyle lingua metacercaria (Nfld)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum spathaceum huronense metacercaria
(Nfld)
Diplostomum spathaceum indistinctum
metacercaria (Ont)
Ichthyocotylurus erraticus metacercaria (Ont)
Tetracotyle sp. metacercaria (Ont)

Cestoidea
Cyathocephalus truncatus (Ont)
Diphyllobothrium dendriticum plerocercoid
(Que-b, Atl)
Eubothrium sp. (Nfld)
Proteocephalus sp. (Ont)

Nematoda
Anisakis sp. larva (Atl)
Ascarophis arctica (Atl)
Cosmocephalus obvelatus larva (Ont)
Cystidicola furionis (Ont)
Cystidicola stigmatura (Ont)

Pseudocapillaria (Ichthyocapillaria) salvelini (Ont)
Pseudoterranova decipiens larva (Atl)
Pseudoterranova sp. larva (Atl)
Spinitectus gracilis (Ont)
 Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus lateralis (Nfld)
Echinorhynchus salmonis (Atl, Ont, Que-b)
Echinorhynchus sp. (Nfld)
Neoechinorhynchus rutili (Ont)
Neoechinorhynchus tumidus (Ont)
Neoechinorhynchus sp. (Ont)
Pomphorhynchus bulbocolli (Ont)
 Annelida
Piscicola punctata (Ont)
 Mollusca
 Unionidae gen.sp. glochidium (Nfld)
 Copepoda
Ergasilus auritus (Nfld)
Ergasilus labracis (Que-b, NB, NS, Atl)

Thaleichthys pacificus (Richardson) eulachon
 Copepoda
Haemobaphes disphaerocephalus (Pac)

Family SALMONIDAE

Coregonus artedii Le Sueur lake cisco
 Remarks: Robins et al. (1991) listed the common name for this fish as "cisco or lake herring".
 Microspora
Pleistophora sp. (Ont)
 Myxozoa
Henneguya zschokkei (Ont)
Henneguya sp. (Alta, Ont)
 Trematoda
Crepidostomum cooperi (Ont)
Crepidostomum farionis (Alta, Man, Ont)
 Digenea gen.sp. (Alta)
Diplostomum spathaceum metacercaria (Man, Ont)
Diplostomum spathaceum indistinctum metacercaria (Man, Ont)
Ichthyocotylurus erraticus metacercaria (Alta, Man, Ont)
Phyllodistomum sp. (Ont)
Tetracotyle intermedia metacercaria (Man, Ont)
 Monogenea
Discocotyle sagittata (Alta, Man, Ont)
 Cestoidea
Cyathocephalus truncatus (Alta, Man, Ont)
Diphyllbothrium dendriticum plerocercoid (Man, Ont)
Diphyllbothrium ditremum plerocercoid (Ont)
Diphyllbothrium sp. plerocercoid (Alta, Man, Ont)
Eubothrium salvelini (Ont)

Proteocephalus coregoni (Ont)
Proteocephalus exiguus (NWT, Man, Ont)
Proteocephalus filicollis (Alta, Man)
Proteocephalus laruei (Man, Ont)
Proteocephalus pearsei (Ont)
Proteocephalus pusillus (Man)
Proteocephalus sp. (Alta, Man, Ont)
Triaenophorus crassus plerocercoid (Alta, Sask, Man, Ont, exper)
Triaenophorus sp. plerocercoid (Man)
 Nematoda
Cystidicola farionis (Alta, Ont)
Cystidicola stigmatura (Ont)
Cystidicola sp. (Ont)
Hysterothylacium brachyurum adult (Man)
Philonema agubernaculum (Alta)
Raphidascaris sp. (Man)
Spinitectus gracilis (Man)
Sterliadochona ephemeridarum (Ont)
 Acanthocephala
Echinorhynchus lateralis (Ont)
Echinorhynchus leidy (Man)
Echinorhynchus salmonis (Alta, Man, Ont)
Neoechinorhynchus tumidus (Ont)
Pomphorhynchus bulbocolli (Alta, Man)
 Annelida
Piscicola geometra (Que)
Piscicola milneri (Man)
 Mollusca
 Unionidae gen.sp. glochidium (Ont)
 Branchiura
Argulus appendiculosus (Man)
Argulus stizostethi (Sask, Man)
 Copepoda
Ergasilus auritus (Alta)
Ergasilus nerkae (Alta, Man)
Salmincola corpulentus (Ont)
Salmincola extensus (Alta, Man)

Coregonus autumnalis (Pallas) Arctic cisco
 Cestoidea
Bothrimonus sturionis (NWT)
 Cestoidea gen.sp. (NWT)
Diphyllbothrium dendriticum plerocercoid (NWT)
Diphyllbothrium ditremum plerocercoid (NWT)
Proteocephalus sp. (NWT)
 Acanthocephala
 Acanthocephala gen.sp. (NWT)
Echinorhynchus leidy (NWT)
Echinorhynchus salmonis (NWT)

Coregonus clupeaformis (Mitchill) lake whitefish
 Myxozoa
Henneguya zschokkei (BC)
Henneguya sp. (Alta)
Myxobolus spp. (BC)
 Protista incertae sedis
Dermocystidium sp. (BC)

Trematoda

- Crepidostomum cooperi* (Lab)
Crepidostomum farionis (BC, Alta, Man, Ont, Lab)
Crepidostomum sp. (Alta)
Diplostomum baeri bucculentum metacercaria (BC, Man)
Diplostomum spathaceum metacercaria (Alta, Man, Ont)
Diplostomum spathaceum indistinctum (Man, Ont)
Diplostomum sp. metacercaria (BC, Alta, Que)
Ichthyocotylurus erraticus metacercaria (Alta, Man, Ont)
Phyllodistomum coregoni (Alta, Ont, Lab)
Tetracotyle sp. metacercaria (BC, Alta)
Tylodelphys scheuringi metacercaria (BC)

Monogenea

- Discocotyle sagittata* (Alta, Man, Ont, Lab)
Tetraonchus variabilis (BC)

Cestoidea

- Bothrimonus sturionis* (NWT)
Cestoidea gen.sp. (Alta, Man, NWT)
Cyathocephalus truncatus (BC, Alta, Man, Ont)
Diphyllobothrium dendriticum plerocercoid (Alta, Man)
Diphyllobothrium sp. plerocercoid (BC, Alta, Man, NWT, Ont, Lab)
Proteocephalus coregoni (Man)
Proteocephalus exiguus (Alta, Man, Ont)
Proteocephalus laruei (Ont)
Proteocephalus neglectus (Lab)
Proteocephalus salmonidicola (BC)
Proteocephalus singularis (Alta, Man)
Proteocephalus sp. (BC, Alta, Man, Ont, Lab)
Triaenophorus crassus plerocercoid (Alta, Sask, Man, Ont, Lab, exper)
Triaenophorus nodulosus plerocercoid (Man)
Triaenophorus sp. plerocercoid (Alta, Sask, Man)

Nematoda

- Contracecum* sp. (Alta)
Cystidicola farionis (BC, YT, Alta, Man, NWT, Ont, Que)
Cystidicola stigmatura (Man, Ont)
Hysterothylacium sp. (BC)
Nematoda gen.sp. (Man)
Philonema agubernaculum (BC)
Pseudocapillaria (Ichthyocapillaria) salvelini (Ont, Lab)
Pseudocapillaria (Pseudocapillaria) tomentosa (Ont)
Philonema sp. (BC)
Raphidascaris acus larva (Ont)
Raphidascaris acus adult (Alta, Que)
Raphidascaris sp. (Alta, Man, Lab)
Spinitectus gracilis (Man, Ont)
Sterliadochona emphemeridarum (BC, Ont)
Truttaedacniis truttae (BC)

Acanthocephala

- Acanthocephala gen.sp. (Alta)
Acanthocephalus dirus (Ont)
Echinorhynchus gadi (NWT)
Echinorhynchus leidyi (NWT, Man, exper)
Echinorhynchus salmonis (Alta, Man, NWT, Ont)
Echinorhynchus sp. (NWT)
Neoechinorhynchus cylindratus (Man)
Neoechinorhynchus rutili (BC)
Neoechinorhynchus salmonis (BC)
Neoechinorhynchus tumidus (Alta, Ont)
Pomphorhynchus bulbocolli (BC, Alta, Man, Ont)
Pomphorhynchus sp. (Man)

Annelida

- Piscicola geometra* (Sask)
Piscicola milneri (Man)
Piscicola punctata (Ont)

Branchiura

- Argulus biramosus* (Alta)
Argulus stizostethi (Sask, Man)

Copepoda

- Coregonicola orientalis* (NWT)
Coregonicola sp. (NWT-b)
Ergasilus auritus (Alta)
Ergasilus elongatus (Ont)
Ergasilus nerkae (BC, Alta, Man)
Salmincola coregonorum (Lab)
Salmincola corpulentus (Alta, Man, NWT, Ont, Lab)
Salmincola extensus (Alta, Man)
Salmincola thymalli (BC)

Arachnoidea

- Unionicola* sp. larva (BC)

Coregonus hoyi (Gill)

bloater

Myxozoa

- Henneguya* sp. (Ont)

Trematoda

- Crepidostomum farionis* (Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum spathaceum indistinctum metacercaria (Ont)
Ichthyocotylurus erraticus metacercaria (Ont)
Phyllodistomum sp. (Ont)
Tetracotyle intermedia metacercaria (Ont)

Monogenea

- Discocotyle sagittata* (Ont)

Cestoidea

- Cyathocephalus truncatus* (Ont)
Diphyllobothrium ditremum plerocercoid (Ont)
Diphyllobothrium sp. plerocercoid (Ont)
Proteocephalus exiguus (Ont)
Proteocephalus laruei (Ont)
Proteocephalus sp. (Ont)
Triaenophorus crassus plerocercoid (Ont)

Nematoda		
<i>Cystidicola farionis</i> (Ont)		
<i>Cystidicola stigmatura</i> (Ont)		
Acanthocephala		
<i>Echinorhynchus salmonis</i> (Ont)		
<i>Neoechinorhynchus rutili</i> (Ont)		
<i>Neoechinorhynchus tumidus</i> (Ont)		
Copepoda		
<i>Salmincola corpulentus</i> (Ont)		
<i>Coregonus nasus</i> (Pallas)	broad whitefish	
Trematoda		
<i>Brachyphallus crenatus</i> (NWT)		
<i>Coregonus nigripinnis</i> (Gill)	blackfin cisco	
Nematoda		
<i>Cystidicola farionis</i> (Ont)		
<i>Coregonus sardinella</i> Valenciennes	least cisco	
Trematoda		
<i>Crepidostomum farionis</i> (NWT)		
<i>Diplostomum baeri bucculentum</i> metacercaria (NWT)		
Cestoidea		
<i>Cyathocephalus truncatus</i> (NWT)		
<i>Diphyllobothrium dendriticum</i> plerocercoid (NWT)		
<i>Diphyllobothrium ditremum</i> plerocercoid (NWT)		
<i>Diphyllobothrium</i> sp. plerocercoid (NWT)		
<i>Proteocephalus arcticus</i> (NWT)		
<i>Proteocephalus exiguus</i> (NWT)		
<i>Proteocephalus</i> sp. (NWT)		
Nematoda		
<i>Hysterothylacium aduncum</i> (NWT)		
Nematoda gen.sp. (NWT)		
Acanthocephala		
<i>Echinorhynchus gadi</i> (NWT)		
<i>Echinorhynchus leidy</i> (NWT)		
<i>Echinorhynchus salmonis</i> (NWT)		
<i>Echinorhynchus</i> sp. (NWT)		
<i>Coregonus</i> sp.		
Syn.: <i>Leucichthys</i> sp.		
Cestoidea		
<i>Proteocephalus coregoni</i> (Man)		
<i>Triaenophorus crassus</i> plerocercoid (Man, Alta)		
<i>Triaenophorus</i> sp. plerocercoid (Alta)		
<i>Oncorhynchus clarki</i> (Richardson)	cutthroat trout	
Syn.: <i>Salmo clarki</i> Richardson		
Remarks: Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name <i>Salmo clarki</i> .		
Mastigophora		
<i>Cryptobia salmositica</i> (BC)		
Myxozoa		
<i>Ceratomyxa shasta</i> (BC)		
Myxosporea gen.sp. (PKX organism) (BC)		
Trematoda		
<i>Crepidostomum farionis</i> (BC)		
<i>Crepidostomum metoecus</i> (BC)		
Monogenea		
<i>Gyrodactylus salmonis</i> (BC)		
Nematoda		
<i>Salvelinema walkeri</i> (BC)		
<i>Oncorhynchus gorbuscha</i> (Walbaum)	pink salmon	
Microspora		
<i>Loma salmonae</i> (BC)		
Mastigophora		
<i>Cryptobia salmositica</i> (BC)		
<i>Cryptobia</i> sp. (Pac)		
Myxozoa		
<i>Ceratomyxa shasta</i> (BC)		
<i>Henneguya salminicola</i> (BC)		
<i>Kudoa thyrsites</i> (BC)		
<i>Myxidium</i> sp. (BC)		
Trematoda		
<i>Brachyphallus crenatus</i> (Pac, BC, Nfld)		
<i>Crepidostomum farionis</i> (Ont, Nfld)		
<i>Derogenes varicus</i> (Nfld)		
<i>Galactosomum phalacrocoracis</i> metacercaria (Pac)		
<i>Lecithaster gibbosus</i> (BC, Nfld)		
<i>Lecithophyllum botryophorum</i> (BC)		
<i>Podocotyle reflexa</i> (Nfld)		
<i>Podocotyle staffordi</i> (Nfld)		
<i>Prosorhynchoides basargini</i> (BC)		
<i>Tubulovesicula lindbergi</i> (BC)		
Cestoidea		
<i>Bothriocephalus</i> sp. (Ont)		
<i>Cyathocephalus truncatus</i> (Ont)		
<i>Diphyllobothrium dendriticum</i> plerocercoid (Ont)		
<i>Diphyllobothrium</i> sp. plerocercoid (BC, Nfld)		
<i>Eubothrium crassum</i> (Nfld)		
<i>Eubothrium salvelini</i> (BC)		
<i>Hepatoxylon</i> sp. plerocercoid (Nfld)		
<i>Phyllobothrium caudatum</i> plerocercoid (BC)		
<i>Phyllobothrium</i> sp. plerocercoid (BC)		
<i>Proteocephalus</i> sp. (Ont)		
<i>Scolex pleuronectis</i> plerocercoid (Nfld)		
<i>Triaenophorus crassus</i> plerocercoid (Ont)		
<i>Triaenophorus nodulosus</i> plerocercoid (Ont)		
Nematoda		
<i>Anisakis</i> sp. larva (BC)		
<i>Ascarophis</i> sp. (BC)		
<i>Contracaecum</i> sp. and/or <i>Phocascaris</i> sp. larva (BC)		
<i>Cystidicola farionis</i> (Ont)		
<i>Cystidicola stigmatura</i> (Ont)		
<i>Hysterothylacium aduncum</i> (BC, Nfld)		
<i>Philonema oncorhynchi</i> (Ont)		
<i>Raphidascaris acus</i> adult (Ont)		
Acanthocephala		
<i>Bolbosoma caenoforme</i> juvenile (BC)		

- Corynosoma* sp. juvenile (Nfld)
Echinorhynchus salmonis (Ont)
Echinorhynchus sp. (Ont)
- Copepoda
Salmincola californiensis (BC)
- Oncorhynchus keta* (Walbaum) chum salmon
- Microspora
Loma salmonae (BC)
- Mastigophora
Cryptobia salmositica (BC, exper)
- Myxozoa
Ceratomyxa shasta (YT)
Henneguya salminicola (BC)
Myxidium sp. (BC)
Myxobolus neurobius (BC)
- Trematoda
Brachyphallus crenatus (Pac, BC)
Crepidostomum farionis (BC)
Galactosomum phalacrocoracismetacercaria (Pac)
Hemiuridae gen.sp. (Pac)
Hemiurus levinseni (Pac)
Lecithaster gibbosus (Pac, BC)
Lecithophyllum botryophorum (BC)
Neascus sp. metacercaria (BC)
Strigeidae gen.sp. metacercaria (BC)
Tetracotyle sp. metacercaria (BC)
Tubulovesicula lindbergi (BC)
- Cestoidea
Cestoidea gen.sp. (Pac)
Diphyllobothrium sp. plerocercoid (BC)
Eubothrium salvelini (BC)
Phyllobothrium caudatum plerocercoid (BC)
Phyllobothrium sp. plerocercoid (BC)
Proteocephalus sp. (BC)
Scolex pleuronectis plerocercoid (Pac)
- Nematoda
Anisakis sp. larva (Pac, BC)
Contracaecum sp. and/or *Phocascaris* sp. larva (BC)
Hysterothylacium aduncum (Pac, BC)
- Acanthocephala
Neoechinorhynchus sp. (BC-b)
- Annelida
Piscicola salmositica (BC)
- Copepoda
Caligidae gen.sp. (Pac)
Caligus clemensi (Pac)
Salmincola californiensis (BC)
- Oncorhynchus kisutch* (Walbaum) coho salmon
- Ciliophora
Trichodina truttiae (BC)
- Microspora
Loma salmonae (BC)
Loma sp. (BC, Pac)
- Mastigophora
Cryptobia salmositica (BC, exper)
Dinoflagellida gen.sp. (BC)
- Myxozoa
Ceratomyxa shasta (BC)
Henneguya salminicola (Pac, BC)
Kudoa thyrsites (Pac, BC)
Myxidium sp. (BC)
Myxobolus neurobius (BC)
Myxosporea gen.sp. (PKX organism) (BC)
Parvicapsula sp. (Pac)
- Trematoda
Brachyphallus crenatus (Pac, BC)
Crepidostomum farionis (BC, Alta)
Crepidostomum metoecus (BC)
Diplostomum spathaceum metacercaria (Ont)
Hemiurus levinseni (Pac)
Tubulovesicula lindbergi (BC)
- Monogenea
Discocotyle sagittata (Alta)
Gyrodactylus salmonis (BC)
Gyrodactylus sp. (BC)
Laminiscus strelkowi (Pac)
Tetraonchus alaskensis (BC)
- Cestoidea
Cyathocephalus truncatus (Alta)
Diphyllobothrium dendriticum plerocercoid (BC)
Diphyllobothrium sp. plerocercoid (BC, Alta)
Eubothrium crassum (Pac)
Eubothrium salvelini (BC, Alta)
Phyllobothrium caudatum plerocercoid (BC)
Phyllobothrium sp. plerocercoid (BC)
Proteocephalus sp. (Alta)
Schistocephalus solidus plerocercoid (Alta)
Triaenophorus nodulosus plerocercoid (Alta)
- Nematoda
Anisakis sp. larva (BC)
Ascarophis sebastodis (Pac)
Camallanus oxycephalus (Ont)
Contracaecum sp. and/or *Phocascaris* sp. larva (BC)
Cystidicola farionis (Alta, Ont)
Hysterothylacium aduncum (BC)
Nematoda gen.sp. (BC)
Philonema agubernaculum (Alta)
Pseudocapillaria (Ichthyocapillaria) salvelini (BC, Ont)
Rhabdochona sp. (BC)
Salvelinema walkeri (BC)
Sterliadochona ephemeridarum (Ont)
- Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus lateralis (Ont)
Echinorhynchus salmonis (Alta, Ont)
Neoechinorhynchus salmonis (BC)
Neoechinorhynchus strigosus (Alta)

- Pomphorhynchus bulbocollis* (Alta)
Rhadinorhynchus trachuri (BC)
- Copepoda
Caligus clemensi (Pac)
Ergasilus auritus (Alta)
Ergasilus nerkae (Alta)
Lepeophtheirus salmonis (Pac, exper)
Salmincola californiensis (BC)
- Oncorhynchus mykiss* (Walbaum) rainbow trout
 Syn.: *Salmo gairdneri* Richardson
 Remarks: The vernacular name "steelhead" is applied to sea-run (anadromous) rainbow trout. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Salmo gairdneri*.
- Apicomplexa
Eimeria sp. (BC)
- Ciliophora
Chilodonella sp. (Alta)
Epistylis sp. (Alta)
Ichthyophthirius multifiliis (Alta)
Trichodina truttiae (BC)
Trichodina sp. (BC)
- Microspora
Loma salmonae (BC)
Pleistophora sp. (BC)
- Mastigophora
Cryptobia salmositica (BC, exper)
Hexamita sp. (Alta)
Ichthyobodo sp. (Alta)
- Myxozoa
Ceratomyxa shasta (BC, exper)
Henneguya sp. (Alta)
Kudoa thyrsites (BC)
Leptotheca sp. (BC)
Myxobolus neurobius (BC)
Myxospora gen.sp. (PKX organism) (BC)
- Protista incertae sedis
Dermocystidium sp. (BC)
- Trematoda
Bunodera luciopercae (BC)
Clinostomum complanatum metacercaria (Man)
Clinostomum sp. metacercaria (Man)
Crepidostomum farionis (BC, Man)
Crepidostomum sp. (Alta)
Diplostomum baeri bucculentum metacercaria (BC)
Diplostomum spathaceum metacercaria (BC, Ont)
Diplostomum sp. metacercaria (BC, Man)
Ichthyocotylurus erraticus metacercaria (Ont)
Phyllodistomum umblae (BC, Ont)
Phyllodistomum sp. (BC)
Stephanostomum tenue metacercaria (Atl)
Tetracotyle sp. metacercaria (BC, Ont)
Tylocephalys scheuringi metacercaria (BC, Man)
- Monogenea
Gyrodactylus avalonia (NS-b)
Gyrodactylus colemanensis (NS, Nfld, exper)
- Gyrodactylus salmonis* (BC, NS, exper)
Gyrodactylus sp. (Alta)
 Monogenea gen.sp. (Alta)
Tetraonchus variabilis (BC)
- Cestoidea
 Cestoidea gen.sp. (BC)
Cyathocephalus truncatus (BC)
Diphyllbothrium dendriticum plerocercoid (BC)
Diphyllbothrium ditremum plerocercoid (BC)
Diphyllbothrium sp. plerocercoid (BC)
Eubothrium salvelini (BC)
Eubothrium sp. (Alta)
Paradilepis simoni cysticercoid (BC)
Proteocephalus neglectus (BC)
Proteocephalus salmonidicola (BC)
Triaenophorus crassus plerocercoid (exper)
- Nematoda
 Capillariidae gen.sp. (BC)
Capillospirura pseudoargumentosus (exper)
Contraecum osculatum larva (exper)
Contraecum sp. (Man)
Cosmocephalus obvelatus larva (exper)
Cystidicola farionis (BC, Ont, exper)
Eustrongylides sp. larva (BC)
Haplonema hanulatum (BC)
Hysterothylacium sp. (BC)
 Nematoda gen.sp. (BC)
Philonema agubernaculum (BC)
Philonema oncorhynchi (exper)
Philonema sp. (BC)
Pseudocapillaria (Ichthyocapillaria) salvelini (Ont)
Pseudoterranova decipiens larva (exper)
Rhadinascaris acus adult (exper)
Rhadinascaris canadensis (Alta)
Rhadinascaris kisutchi (BC)
Rhadinascaris sp. (BC)
 Spiruridae gen.sp. (BC)
Sterliadochona ephemeridarum (BC, Ont)
Truttaedacnitis truttiae (BC)
- Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus lateralis (Ont)
Echinorhynchus leidyi (exper)
Echinorhynchus salmonis (Ont)
Neoechinorhynchus rutili (BC)
Neoechinorhynchus salmonis (BC)
Neoechinorhynchus sp. (BC)
Pomphorhynchus bulbocollis (BC, Alta, Man, Ont)
- Annelida
Desserobdella phalera (exper)
Piscicola milneri (Alta)
- Branchiura
Argulus alosae (Atl)
- Copepoda
Caligus clemensi (Pac)
Ergasilus nerkae (BC)

- Lepeophtheirus cuneifer* (Pac)
Lepeophtheirus salmonis (Pac)
Salmincola californiensis (BC)
- Arachnoidea
Unionicola sp. larva (BC)
- Oncorhynchus nerka* (Walbaum) sockeye salmon
Remarks: In the Pacific Northwest, lacustrine stocks of sockeye salmon are known by the vernacular name "kokanee".
- Apicomplexa
Eimeria sp. (BC)
- Ciliophora
Epistylis sp. (BC)
Trichodina truttae (BC)
- Mastigophora
Cryptobia salmositica (BC, exper)
Cryptobia sp. (Pac)
- Myxozoa
Chloromyxum coregoni (BC)
Chloromyxum sp. (BC)
Henneguya salminicola (BC)
Kudoa thyrsites (BC)
Myxidium salvelini (Pac, BC)
Myxidium sp. (BC)
Myxobolus arcticus (Pac, BC, exper)
Myxobolus sp. (BC)
Parvicapsula sp. (Pac)
Sphaerospora oncorhynchi (BC)
- Protista incertae sedis
Dermocystidium sp. (BC)
- Trematoda
Brachyphallus crenatus (Pac)
Crepidostomum farionis (BC, Ont)
Diplostomum baeri bucculentum metacercaria (BC)
Diplostomum spathaceum metacercaria (BC, Ont)
Diplostomum sp. metacercaria (Pac, BC)
Ichthyocotylurus erraticus metacercaria (Ont)
Phyllodistomum unblae (Pac, BC)
Phyllodistomum sp. (BC)
Strigeidae gen.sp. metacercaria (BC)
Tetracotyle sp. metacercaria (Pac, BC)
Tubulovesicula lindbergi (BC)
- Monogenea
Gyrodactylus nerkae (BC)
Gyrodactylus sp. (BC)
- Cestoidea
Dilepididae gen.sp. cysticercoid (Pac, BC)
Diphyllbothrium dendriticum plerocercoid (BC)
Diphyllbothrium ditremum plerocercoid (BC)
Diphyllbothrium sp. plerocercoid (Pac, BC)
Eubothrium salvelini (BC)
Eubothrium sp. (BC)
Paradilepis simoni cysticercoid (BC)
Phyllobothrium caudaum plerocercoid (BC)
Phyllobothrium sp. plerocercoid (BC)
Proteocephalus salmonidicola (BC)
- Proteocephalus* sp. (BC)
Triaenophorus nodulosus plerocercoid (Ont)
- Nematoda
Anisakis sp. larva (BC)
Capillaria (Capillaroides) catenata (Ont)
Contraecaeum sp. and/or *Phocascaris* sp. larva (BC)
Cystidicola farionis (BC, Ont)
Hysterothylacium aduncum (BC)
Hysterothylacium sp. (BC)
Nematoda gen.sp. (BC)
Philonema agubernaculum (Pac, BC)
Philonema oncorhynchi (Pac, BC, exper)
Philonema sp. (BC)
Rhabdochona cascadilla (Ont)
Rhabdochona kisutchi (BC)
Spinitectus gracilis (Ont)
Sterliadochona ephemeridarum (Ont)
Truttaedacnitis truttae (BC)
- Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Ont)
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus pungitius (Ont)
Neoechinorhynchus rutili (BC, Ont)
Neoechinorhynchus salmonis (BC)
Neoechinorhynchus tumidus (Ont)
Pomphorhynchus bulbocolli (Ont)
- Copepoda
Ergasilus caeruleus (Ont)
Ergasilus nerkae (Pac, BC)
Lepeophtheirus salmonis (Pac, BC)
Salmincola californiensis (Pac, BC)
Salmincola sp. (BC)
- Arachnoidea
Hydrachna sp. larva (Ont)
- Oncorhynchus tshawytscha* (Walbaum) chinook salmon
- Mastigophora
Cryptobia salmositica (BC, exper)
Hexamita salmonis (Pac, exper)
Ichthyobodo necator (Pac)
- Microspora
Enterocytozoon salmonis (Pac)
Loma salmonae (Pac, exper)
- Myxozoa
Ceratomyxa shasta (BC, BC-b, exper)
Henneguya salminicola (BC)
Myxidium sp. (BC)
Myxobolus neurobius (BC)
Myxobolus sp. (BC)
Myxosporea gen.sp. (PKX organism) (BC)
- Trematoda
Brachyphallus crenatus (BC)
Crepidostomum farionis (BC)
Diplostomum baeri bucculentum metacercaria (BC)

- Diplostomum spathaceum* metacercaria (BC)
Diplostomum sp. metacercaria (BC)
Genolinea oncorhynchi (BC)
Lampritrema miescheri (BC)
Neascus sp. metacercaria (BC)
Tubulovesicula lindbergi (BC)
- Monogenea
Octomacrum lanceatum (BC)
- Cestoidea
Diphyllobothrium sp. plerocercoid (BC)
Eubothrium crassum (Pac)
Eubothrium salvelini (BC)
Phyllobothrium sp. plerocercoid (BC)
Proteocephalus sp. (BC)
- Nematoda
Cystidicola farionis (Ont)
Nematoda gen.sp. (BC)
Philonema oncorhynchi (BC)
Rhabdochona sp. (BC)
- Acanthocephala
Echinorhynchus salmonis (Ont)
Neoechinorhynchus salmonis (BC)
- Annelida
Piscicola salmositica (BC)
- Copepoda
Caligus clemensi (Pac)
Lepeophtheirus salmonis (Pac, exper)
Salmincola californiensis (BC)
- Oncorhynchus* spp.
Myxozoa
Henneguya salminicola (Pac)
- Annelida
Piscicola salmositica (BC)
- Prosopium coulteri* (Eigenmann and Eigenmann) pygmy whitefish
Acanthocephala
Neoechinorhynchus rutili (BC)
- Prosopium cylindraceum* (Pallas) round whitefish
Trematoda
Apophallus brevis metacercaria (Ont)
Crepidostomum farionis (YT, Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Que)
Ichthyocotylurus erraticus metacercaria (Ont)
Phyllodistomum coregoni (Lab)
Phyllodistomum sp. (Ont)
Tetracotyle sp. metacercaria (Ont)
- Monogenea
Discocotyle sagittata (Ont)
Tetraonchus variabilis (Ont)
- Cestoidea
Cyathocephalus truncatus (Ont)
Eubothrium salvelini (Ont)
Triaenophorus crassus plerocercoid (Ont)
Triaenophorus nodulosus plerocercoid (Ont)
- Nematoda
Cystidicola farionis (Ont)
Cystidicola stigmatura (Sask)
Philometra sp. (Ont)
Pseudocapillaria (Ichthyocapillaria) salvelini (Ont)
Spinitectus gracilis (Ont)
- Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus lateralis (Ont)
Echinorhynchus salmonis (Ont)
Neoechinorhynchus tumidus (Ont)
Pomphorhynchus bulbocolli (Ont)
- Annelida
Piscicola milneri (Ont)
- Mollusca
Unionidae gen.sp. glochidium (Ont)
- Copepoda
Salmincola corpulentus (Ont)
Salmincola thymalli (Ont)
- Prosopium williamsoni* (Girard) mountain whitefish
Microspora
Nosema sp. (BC)
- Myxozoa
Henneguya zschokkei (BC)
Myxidium sp. (BC)
Myxobolus commersonii (BC)
Myxobolus neurobius (BC)
- Protista incertae sedis
Dermocystidium sp. (BC)
- Trematoda
Crepidostomum farionis (BC)
Diplostomum baeri bucculentum metacercaria (BC)
Diplostomum spathaceum metacercaria (BC)
Diplostomum sp. metacercaria (BC)
Ichthyocotylurus platycephalus metacercaria (BC)
Strigeidae gen.sp. metacercaria (BC)
Tetracotyle sp. metacercaria (BC)
Tylodelphys scheuringi metacercaria (BC)
- Monogenea
Gyrodactylidea gen.sp. (BC)
Tetraonchus variabilis (BC)
- Cestoidea
Diphyllobothrium dendriticum plerocercoid (BC)
Diphyllobothrium sp. plerocercoid (BC)
Eubothrium salvelini (BC)
Paradilepis simoni cysticercoid (BC)
Proteocephalus sp. (BC)
- Nematoda
Anisakidae gen.sp. larva (BC)
Cystidicola farionis (BC)
Eustrongylides sp. larva (BC)
Haplonema hanulatum (BC)
Hysterothylacium sp. (BC)
Nematoda gen.sp. (BC)
Philonema agubernaculum (BC)
Philonema sp. (BC)

Rhabdochona kisutchii (BC)
Rhabdochona milleri (BC)
Rhabdochona sp. (BC)
Truttaedacnitis truttae (BC)

Acanthocephala

Neoechinorhynchus rutili (BC)
Neoechinorhynchus salmonis (BC)
Neoechinorhynchus sp. (BC)
Pomphorhynchus bulbocolli (BC)

Annelida

Hirudinea gen.sp. (BC)
Piscicola sp. (BC)

Copepoda

Achtheres sp. (Alta)
Salmincola californiensis (BC)
Salmincola edwardsii (BC)
Salmincola extensus (BC)
Salmincola thymalli (BC)

Arachnoidea

Unionicola sp. larva (BC)

Salmo salar Linnaeus Atlantic salmon

Apicomplexa

Perkinsus sp. (Atl)

Ciliophora

Trichodina truttae (Nfld)

Myxozoa

Kudoa thyrsites (Pac)
Myxobolus neurobius (Nfld)
Sphaerospora sp. (NB)

Protista incertae sedis

Dermocystidium sp. (Atl)

Trematoda

Apophallus brevis metacercaria (NB, Nfld, Lab)
Apophallus imperator metacercaria (Nfld)
Azygia longa (NB, Nfld)
Brachyphallus crenatus (Que, PEI, NB, NS, Atl)
Crepidostomum cooperi (Lab)
Crepidostomum farionis (PEI, NB, NS, Nfld, Lab)
Derogenes varicus (Que, NB, NS, Atl)
Diplostomum spathaceum metacercaria (PEI, NB, NS, Nfld, Lab, Atl)
Diplostomum sp. metacercaria (Que, Nfld)
Hemiurus leviseni (Atl)
Lampritrema miescheri (Atl)
Lecithaster gibbosus (NB, NS, Atl)
Phyllodistomum umblae (Lab, Nfld)
Tetracotyle sp. metacercaria (NS, Nfld)

Monogenea

Discocotyle sagittata (NB, NS, Nfld, Lab)
Gyrodactylus colemanensis (NS)
Gyrodactylus salmonis (NS)
Laniniscus strelkowi (Pac)

Cestoidea

Bothrimonus sturionis (Nfld)
Cyathocephalus truncatus (Nfld)
Diphyllobothrium sp. plerocercoid (Nfld, Lab)

Eubothrium crassum (Atl)
Eubothrium salvelini (NB, Nfld, Lab)
Eubothrium sp. (NB)
Hepatoxylon squali plerocercoid (NB, NS, Atl)
Pelichnibothrium sp. plerocercoid (NB, Atl)
Proteocephalus sp. (Lab)
Tentacularia coryphaenae plerocercoid (NB, NS, Atl)

Nematoda

Anisakis simplex larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (PEI, NB, NS)
Hysterothylacium aduncum (NS, Atl)
Philonema agubernaculum (Nfld)
Pseudocapillaria (Ichthyocapillaria) salvelini (NB, NS, Nfld)
Raphidascaris sp. (NB)
Sterliadochona ephemeridarum (PEI, NB, NS, Nfld, Lab)

Acanthocephala

Echinorhynchus gadi (NS, Atl)
Echinorhynchus lateralis (Nfld)
Echinorhynchus sp. (NS)
Neoechinorhynchus rutili (NB)

Annelida

Percymoorensis sp. (NS)
Johanssonia arctica (exper)

Mollusca

Anodonta cataracta glochidium (Nfld)
Margaritifera margaritifera glochidium (NS)
 Unionidae gen.sp. glochidium (Nfld)

Branchiura

Argulus alosae (Atl)

Copepoda

Caligus clenensi (Pac)
Caligus curtus (Atl)
Caligus elongatus (Atl, exper)
Ergasilus labracis (NB, NB-b, NS, Atl)
Ergasilus sp. (Nfld)
Lepeophtheirus cuneifer (Pac)
Lepeophtheirus salmonis (Pac, NB, Atl, exper)
Salmincola corpulentus (Lab)
Salmincola salmoneus (Que, NB, NS, Lab, Nfld, Atl)
Salmincola sp. (NB, Nfld)

Salmo trutta Linnaeus brown trout

Monogenea

Gyrodactylus colemanensis (Ont)

Cestoidea

Bothrimonus sturionis (NB)

Nematoda

Cystidicola farionis (Ont)
Sterliadochona ephemeridarum (Ont)

Acanthocephala

Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Ont)

Annelida

Johanssonia arctica (exper)

Salvelinus alpinus (Linnaeus) Arctic charr

Myxozoa

Myxobolus neurobius (Nfld)

Trematoda

Brachyphallus crenatus (NWT, Lab, E Arc)

Bunodera luciopercae (Lab)

Crepidostomum cooperi (Que-b)

Crepidostomum farionis (NWT, Que, Lab)

Derogenes crassus (NWT)

Derogenes varicus (NWT, Lab)

Diplostomum spathaceum metacercaria (Que)

Diplostomum sp. metacercaria (Lab)

Lecithaster gibbosus (NWT, Lab)

Phyllodistomum umblae (Que, Lab)

Prosorhynchus squamatus (NWT)

Zoogonus lasius (NB)

Monogenea

Tetraonchus alaskensis (NWT)

Tetraonchus sp. (Lab)

Cestoidea

Bothrimonus sturionis (NWT, Lab, E Arc)

Cestoidea gen.sp. (NWT)

Cyathocephalus truncatus (Que, NWT)

Diphyllobothrium dendriticum plerocercoid (NWT, Que, Lab)

Diphyllobothrium ditremum plerocercoid (NWT, Que, Lab)

Diphyllobothrium sp. plerocercoid (NWT)

Eubothrium crassum (Lab)

Eubothrium salvelini (NWT, Que, Lab)

Eubothrium sp. (NWT)

Proteocephalus arcticus (NWT)

Proteocephalus longicollis (NWT, Lab)

Proteocephalus neglectus (Lab)

Proteocephalus sp. (NWT, Que)

Nematoda

Contraecum sp. (NWT)

Cystidicola farionis (NWT)

Cystidicola stigmatura (Que, NWT, E Arc)

Cystidicola sp. (NWT)

Hysterothylacium aduncum (NWT, Lab)

Nematoda gen.sp. (NWT)

Philonema agubernaculum (NWT, Que, Lab)

Pseudocapillaria (Ichthyocapillaria) salvelini (Lab)

Sterliadochona ephemeridarum (NWT, Lab)

Acanthocephala

Acanthocephala gen.sp. (NWT)

Corynosoma sp. juvenile (NWT)

Echinorhynchus gadi (NWT, W Arc)

Echinorhynchus lateralis (Lab)

Echinorhynchus leidyi (NWT, Que)

Echinorhynchus salmonis (NWT)

Echinorhynchus sp. (Que, NWT)

Neoechinorhynchus rutili (NWT)

Copepoda

Caligus elongatus (exper)

Salmincola carpiois (NWT, Lab)

Salmincola edwardsii (NWT, Que, Lab)

Salmincola sp. (NWT)

Salvelinus fontinalis (Mitchill) brook charr

Remarks: Robins et al. (1991) listed the common name for this fish as "brook trout".

Ciliophora

Apiosoma piscicolum (NS)

Capriniana piscium (Ont)

Heteropolaria lwoffi (NS)

Ichthyophthirius multifiliis (Ont)

Microspora

Loma fontinalis (NS)

Mastigophora

Cryptobia salmositica (exper)

Hexamita salmonis (NS)

Myxozoa

Chloromyxum truttae (NB, NS)

Chloromyxum sp. (BC)

Protista incertae sedis

Dermocystidium sp. (NB)

Trematoda

Apophallus imperator metacercaria (Ont, Nfld)

Azygia longa (NB, NB-b, Nfld)

Brachyphallus crenatus (Que, Que-b, NB, NB-b, Nfld)

Crepidostomum cooperi (Que-b)

Crepidostomum farionis (Ont, Que, NB, NB-b, Nfld, Lab)

Cryptocotyle lingua metacercaria (NB, NB-b)

Derogenes varicus (NB, NB-b)

Digenea gen.sp. metacercaria (Que)

Diplostomum spathaceum metacercaria (Ont, Que, Que-b, exper)

Diplostomum sp. metacercaria (Que, NB, NB-b, Nfld)

Ichthyocotylurus erraticus metacercaria (Ont)

Lecithaster gibbosus (NB, NB-b)

Metorchis conjunctus metacercaria (Que)

Neascus sp. metacercaria (Ont)

Phyllodistomum umblae (Ont, Que, Lab)

Podocotyle angulata (NB, NB-b)

Stephanostomum tenue metacercaria (NB, NB-b, Atl)

Stephanostomum tenue (NB, NB-b, Atl)

Tetracotyle sp. metacercaria (Ont, Nfld)

Monogenea

Discocotyle sagittata (Nfld, Lab)

Gyrodactylus calliaratus (NB)

Gyrodactylus colemanensis (Ont, NB, NS, exper)

Gyrodactylus perlucidus (NB)

Gyrodactylus salmonis (NB, NS, exper)

Cestoidea

Diphyllobothrium dendriticum plerocercoid (Que)

Diphyllobothrium ditremum plerocercoid (Que)

- Diphyllbothrium* sp. plerocercoid (NB, Lab, Nfld)
Eubothrium crassum (NB, NB-b)
Eubothrium salvelini (Ont, Que, NB, NB-b, Lab, Nfld)
Proteocephalus neglectus (Que, Lab)
Proteocephalus sp. (Ont, Quc, NB, Lab)
Tetraphyllidea gen.sp. plerocercoid (NB)
- Nematoda
Anisakis simplex larva (Que-b, NB, NB-b)
Cystidicola farionis (Ont)
Cystidicola stigmatura (Ont)
Eustrongylides sp. larva (NB)
Hysterothylacium aduncum (NB, NB-b)
Hysterothylacium brachyurum larva (Ont)
Hysterothylacium brachyurum adult (Ont)
Hysterothylacium sp. (Que)
Philonema agubernaculum (Nfld)
Pseudocapillaria (Ichthyocapillaria) salvelini (NB, NB-b, Lab, Nfld)
Pseudoterranova decipiens larva (exper)
Raphidascaris acus adult (Ont, exper)
Raphidascaris sp. (NB, NB-b, Lab)
Scuratiinae gen.sp. larva (Quc-b)
Sterliadochona epheneridarum (Ont, Quc, Que-b, NB, NB-b, Lab, Nfld)
Truttaedacnitis truttae (NB)
- Acanthocephala
Acanthocephalus dirus (Ont)
Corynosoma magdaleni juvenile (NB)
Echinorhynchus gadi (Que-b)
Echinorhynchus lateralis (Ont, Que, Que-b, NB, NB-b, Lab, Nfld)
Echinorhynchus salmonis (Ont)
Neoechinorhynchus rutili (Ont)
Neoechinorhynchus sp. (NB, NB-b)
- Annelida
Piscicola milneri (Alta, Ont)
Piscicola punctata (Alta, Ont, NB)
- Mollusca
Anodonta cataracta glochidium (Nfld)
Unionidac gen.sp. glochidium (Ont, Quc, Nfld)
- Branchiura
Argulus alosae (NB)
- Copepoda
Ergasilus labracis (NB, NB-b)
Ergasilus sp. (Nfld)
Lepeophtheirus salmonis (NB, NB-b)
Salmincola edwardsii (Man, Ont, Quc, Que-b, NB, Lab, Nfld)
Salmincola sp. (Nfld)
- Salvelinus fontinalis* (Mitchill) × *S. namaycush* (Walbaum) splake
- Trematoda
Crepidostomum farionis (Ont)
Diplostomum spathaceum metacercaria (Ont)
- Diplostomum spathaceum indistinctum* metacercaria (Ont)
Ichthyocotylurus erraticus metacercaria (Ont)
Tetracotyle intermedia metacercaria (Ont)
- Monogenea
Discocotyle sagittata (Ont)
Gyrodactylus colemanensis (Ont)
- Cestoidea
Cyathocephalus truncatus (Ont)
Diphyllbothrium sp. plerocercoid (Ont)
Eubothrium salvelini (Ont)
Proteocephalus sp. (Ont)
Triaenophorus nodulosus plerocercoid (Ont)
- Nematoda
Cystidicola farionis (Ont)
Cystidicola stigmatura (Ont)
Hysterothylacium brachyurum larva (Ont)
Hysterothylacium brachyurum adult (Ont)
Pseudocapillaria (Ichthyocapillaria) salvelini (Ont)
Rhabdochona sp. (Ont)
Spinitecius gracilis (Ont)
- Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Ont)
Neoechinorhynchus tunidus (Ont)
Pomphorhynchus bulbocolli (Ont)
- Mollusca
Unionidac gen.sp. glochidium (Ont)
- Copepoda
Ergasilus caeruleus (Ont)
Salmincola siscowet (Ont)
- Salvelinus malma* (Walbaum) Dolly Varden
- Apicomplexa
Dactylosoma salvelini (BC)
Eimeria sp. (BC)
Haenogregarina irkalukpiki (BC)
- Mastigophora
Dinoflagellida gen.sp. (BC)
- Myxozoa
Myxobolus neurobius (BC)
Myxobolus sp. (BC)
- Trematoda
Crepidostomum farionis (BC)
Diplostomum baeri bucculentum metacercaria (BC)
Diplostomum spathaceum metacercaria (BC)
Diplostomum sp. metacercaria (BC)
Tetracotyle sp. metacercaria (BC)
- Monogenea
Tetraonchus alaskensis (BC)
- Cestoidea
Cestoidea gen.sp. (BC)
Cyathocephalus truncatus (BC)
Diphyllbothrium dendriticum plerocercoid (BC)
Diphyllbothrium ditremum plerocercoid (BC)
Diphyllbothrium sp. plerocercoid (BC)

Eubothrium salvelini (BC)
Phyllobothrium caudatum plerocercoid (BC)
Proteocephalus salmonidicola (BC)
Proteocephalus sp. (BC)
 Nematoda
Cystidicola farionis (BC)
Eustrongylides sp. larva (BC)
Haplonema hamulatum (BC)
Hysterothylacium brachyurum adult (BC)
Hysterothylacium sp. (BC)
 Nematoda gen.sp. (BC)
Philonema agubernaculum (BC)
Philonema sp. (BC)
Pseudocapillaria (*Ichthyocapillaria*) *salvelini* (BC)
Rhabdochona canadensis (BC)
Rhabdochona kisutchi (BC)
Rhabdochona sp. (BC)
Sterliadochona ephemeridarum (BC)
Truttaedacnitis truttae (BC)
 Acanthocephala
Neoechinorhynchus rutili (BC)
Neoechinorhynchus salmonis (BC)
 Copepoda
Salmincola edwardsii (BC)

Salvelinus namaycush (Walbaum) lake charr
 Syn.: *Cristivomer namaycush* (Walbaum)
 Remarks: Robins et al. (1991) listed the common name for this fish as "lake trout".

Ciliophora
Caprimiana piscium (Man)

Myxozoa
Chloromyxum sp. (BC)

Trematoda
Crepidostomum cooperi (Lab)
Crepidostomum farionis (BC, YT, NWT, Lab)
Diplostomum baeri bucculentum metacercaria (BC)
Diplostomum spathaceum metacercaria (Alta, Ont)
Diplostomum sp. metacercaria (BC, Que)
Phyllodistomum umblae (Lab)
Phyllodistomum sp. (BC)
Tetracoytle sp. metacercaria (BC)

Monogenea
Discocotyle sagittata (Ont)
Gyrodactylus colemanensis (Ont)
Tetraonchus monenteron (Lab)

Cestoidea
Bothrimonus sturionis (NWT)
Bothriocephalus cuspidatus (Alta, Man)
 Cestoidea gen.sp. (Alta, NWT)
Cyathocephalus truncatus (NWT)
Diphyllobothrium dendriticum plerocercoid (NWT, Que)
Diphyllobothrium ditremum plerocercoid (NWT, Que)
Diphyllobothrium sp. plerocercoid (BC, NWT, Ont, Lab)

Eubothrium salvelini (BC, Alta, Sask, Man, NWT, Ont, Que, Lab)
Glaridacris catostomi (Sask)
Proteocephalus arcticus (NWT)
Proteocephalus neglectus (Lab)
Proteocephalus parallacticus (Ont)
Proteocephalus sp. (BC, Alta, NWT)
Schistocephalus solidus plerocercoid (Sask)
Triaenophorus crassus plerocercoid (Man, Ont, Lab)
Triaenophorus nodulosus plerocercoid (Alta, Man)
Triaenophorus sp. plerocercoid (Man)

Nematoda
Cystidicola farionis (BC, YT, Ont, Que, NWT)
Cystidicola stigmatura (Sask, Man, Ont, Que, NWT, E Arc, exper)
Eustrongylides sp. larva (BC)
Hysterothylacium aduncum (NWT)
 Nematoda gen.sp. (Alta, NWT)
Philonema agubernaculum (BC, NWT)
Pseudocapillaria (*Ichthyocapillaria*) *salvelini* (YT, Lab)
Raphidascaris acus larva (Alta)
Raphidascaris sp. (Lab)
Sterliadochona ephemeridarum (Ont)
Truttaedacnitis truttae (BC)

Acanthocephala
 Acanthocephala gen.sp. (Alta, NWT)
Acanthocephalus dirus (Ont)
Echinorhynchus gadi (NWT)
Echinorhynchus lateralis (Ont)
Echinorhynchus leidyi (Sask, NWT, Ont)
Echinorhynchus salmonis (Alta, Man, NWT, Ont)
Echinorhynchus sp. (NWT)
Neoechinorhynchus rutili (BC)
Neoechinorhynchus salmonis (BC)
Neoechinorhynchus sp. (BC)
Pomphorhynchus bulbocollis (Alta)

Annelida
Piscicola geometra (Que)

Copepoda
Ergasilus auritus (Alta)
Ergasilus elongatus (Ont)
Ergasilus nerkae (Alta)
Salmincola californiensis (BC)
Salmincola edwardsii (BC, NWT)
Salmincola siscowet (BC, Ont, Lab)
Salmincola sp. (BC, Sask, Man, NWT)

Thymallus arcticus (Pallas) Arctic grayling

Apicomplexa
Eimeria sp. (BC)

Microspora
Nosema sp. (BC)

Myxozoa
Henneguya zschokkei (BC)
Myxobolus microthecus (BC)

Myxobolus sp. (BC)
 Protista incertae sedis
Dernocystidium sp. (BC)
 Trematoda
Crepidostomum farionis (BC, YT)
Crepidostomum metoecus (YT)
Diplostomum sp. metacercaria (BC)
Tetracoytle sp. metacercaria (BC)
 Monogenea
Tetraonchus borealis (BC)
 Cestoidea
Diphyllobothrium sp. plerocercoid (BC)
 Nematoda
Philonema sp. (BC)
Sterliadochona ephemeridarum (BC)
 Acanthocephala
Neoechinorhynchus rutili (BC)
 Copepoda
Ergasilus nerkae (BC)
Salmincola thymalli (BC)

Salmonidae of Undetermined Species

Salmonidae gen.sp.
 Myxozoa
Ceratomyxa shasta (BC, YT)
 Nematoda
Cystidicola farionis (Ont)
 "Whitefish"
 Cestoidea
Triaenophorus crassus plerocercoid (Man, Que)

ORDER STOMIIFORMES Family STERNOPTYCHIDAE

Polyipnus asteroides Schultz shortspine tenplate
 Remarks: This fish was not listed in the checklist by Robins
 et al. (1991).
 Copepoda
Sarcotretes scopeli (Atl)

Sternoptyx diaphana Hermann transparent hatchetfish
 Remarks: This fish was not listed in the checklist by Robins
 et al. (1991).
 Copepoda
Sarcotretes scopeli (Atl)

ORDER MYCTOPHIFORMES Family MYCTOPHIDAE

Benthoosema glaciale (Reinhardt) glacier lanternfish
 Cnidaria
Hydrichthys sarcotretis (E Arc)
 Copepoda
Sarcotretes scopeli (E Arc, Atl)

Gonichthys cocco Cocco linestop lanternfish
 Remarks: This fish was not listed in the checklist by Robins
 et al. (1991).
 Copepoda
Sarcotretes scopeli (Atl)

Myctophum punctatum Rafinesque spotted lanternfish
 Copepoda
Sarcotretes scopeli (Atl)

Notoscopelus resplendens (Richardson) patchwork lanternfish
 Remarks: This fish was not listed in the checklist by Robins
 et al. (1991).
 Copepoda
Sarcotretes scopeli (Atl)

ORDER PERCOPSIFORMES Family PERCOPSIDAE

Percopsis omiscomaycus (Walbaum) trout-perch
 Myxozoa

Myxobolus procercus (Ont)
 Trematoda
Bucephalus sp. (Ont)
Centrovarium lobotes metacercaria (Ont)
Crepidostomum isostomum (Ont)
Diplostomum spathaceum metacercaria (Ont)
Ichthyocotylurus erraticus metacercaria (Ont)
Ichthyocotylurus pileatus metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Tetracoytle sp. metacercaria (Ont)
Tylodelphys scheuringi metacercaria (Ont)

Monogenea
Gyrodactylus sp. (Ont)
Urocleidus baldwini (Ont)

Cestoidea
Bothriocephalus formosus (Ont)
Triaenophorus stizostedionis plerocercoid (Man,
 Ont)

Nematoda
Hysterothylacium brachyurum adult (Ont)
Rhabdochona sp. (Ont)
Spinitectus gracilis (Ont)

Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Ont)
Pomphorhynchus bulbocolli (Ont)

Annelida
Myzobdella lugubris (Man)
Piscicola punctata (Ont)

Mollusca
 Unionidae gen.sp. glochidium (Ont)

Copepoda
Ergasilus caeruleus (Ont)
Ergasilus luciopercarum (Man)

ORDER GADIFORMES

Family MACROURIDAE

Chalinura brevibarbis Goode and Bean

shortbeard grenadier

Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Apicomplexa

Haemohormidium sp. (Atl)

Myxozoa

Auerbachia pulchra (Atl)

Coryphaenoides leptolepis Günther ghostly grenadier

Syn.: *Chalinura leptolepis* (Günther)

Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Apicomplexa

Haemohormidium sp. (Atl)

Coryphaenoides rupestris Gunnerus rock grenadier

Syn.: *Macrourus rupestris* (Gunnerus)

Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Microspora

Loma branchialis (Atl)

Myxozoa

Auerbachia pulchra (Atl, E Arc)

Auerbachia sp. (Atl)

Myxidium coryphaenoidium (Atl)

Myxidium melanocetum (Atl)

Myxidium melanostigmum (Atl, E Arc)

Myxidium profundum (Atl, E Arc)

Myxoproteus californicus (Atl)

Zschokkella hildae (Atl)

Trematoda

Aporocotyle simplex (Atl)

Derogenes varicus (Atl)

Dolichoenterum sp. metacercaria (Atl)

Glomericirrus macrouri (Atl, E Arc)

Gonocerca crassa (Atl)

Gonocerca macroformis (Atl)

Gonocerca macrouri (Atl, E Arc)

Gonocerca phycidis (Atl)

Parahemiurus merus (Atl)

Stringophorus sp. (Atl)

Monogenea

Diclidophora macruri (Atl, E Arc)

Cestoidea

Bothriocephalus sp. (Atl)

Philobothos atlanticus (Atl, E Arc)

Pseudophyllidea gen.spp. plerocercoid (Atl)

Scolex pleuronectis plerocercoid (Atl)

Nematoda

Anisakis sp. larva (Atl)

Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)

Hysterothylacium aduncum (Atl)

Hysterothylacium sp. (Atl)

Acanthocephala

Echinorhynchus gadi (Atl)

Copepoda

Chondracanthodes radiatus (Atl)

Clavella adunca (Atl)

Sphyrion lumpi (Atl)

Macrourus berglax Lacépède

roughhead grenadier

Apicomplexa

Goussia caseosa (Atl)

Haemogregarina marshallairdi (Atl)

Haemogregarina sp. (Atl, E Arc)

Haemohormidium terraenovae (E Arc)

Haemohormidium sp. (Atl)

Mastigophora

Cryptobia dahli (Atl)

Trypanosoma murmanensis (Atl, E Arc)

Trypanosoma sp. (Atl)

Myxozoa

Auerbachia pulchra (Atl, E Arc)

Davisia newfoundlandia (Atl)

Myxidium coryphaenoidium (E Arc, Atl)

Myxidium melanocetum (Atl)

Zschokkella kudoii (Atl)

Trematoda

Derogenes varicus (Atl)

Fellodistomum sp. (Atl)

Genolinea laticauda (Atl)

Genolinea sp. (Atl)

Gibonsia borealis (Atl)

Gonocerca crassa (Atl)

Gonocerca phycidis (Atl)

Gonocerca sp. (Atl)

Hemiurus levinseni (Atl)

Lecithophyllum botryophorum (Atl)

Lepidapedon elongatum (Atl)

Monogenea

Cyclocotyloides pinguis (Atl)

Diclidophora sp. (Atl)

Macruricotyle newfoundlandiae (Atl)

Cestoidea

Parabothriocephalus macruri (Atl)

Philobothos atlanticus (Atl)

Pseudophyllidea gen.sp. (Atl)

Scolex pleuronectis plerocercoid (Atl)

Nematoda

Anisakis sp. larva (Atl)

Capillaria (Procapillaria) gracilis (Atl)

Hysterothylacium aduncum (Atl)

Hysterothylacium sp. (Atl)

Spinitectus sp. (Atl)

Acanthocephala

Echinorhynchus gadi (Atl)

Echinorhynchus sp. (Atl)

Copepoda

Chondracanthodes radiatus (Atl)

Chondracanthodes tuberosifurcatus (Atl)
Clavella adunca (Atl)
Clavellomimus macruri (Atl)
Lateracanthus quadripedis (Atl)
Lophoura bouvieri (Atl)

Nematonurus armatus (Hector) russet grenadier
 Syn.: *Coryphaenoides armatus* (Hector)
 Remarks: This fish was not listed in the checklist by Robins
 et al. (1991).

Apicomplexa
Haemohormidium sp. (Atl)
 Myxozoa
Myxidium coryphaenoidium (Atl)

Nezumia bairdi (Goode and Bean) marlin-spike

Mastigophora
Cryptobia sp. (Atl)
 Myxozoa
Auerbachia pulchra (Atl)
*Myxidium coryphaenodiu*m (Atl)
Myxidium profundum (Atl, E Arc)
 Trematoda
Derogenes varicus (Atl)
Genolinea laticauda (Atl)
Glomericirrus macrouri (Atl)
 Monogenea
Diclidophora nezumiae (Atl)
 Cestoidea
Grillotia erinaceus plerocercoid (Atl)
Scolex pleuronectis plerocercoid (Atl)
 Nematoda
Capillaria (Procapillaria) gracilis (Atl)
Hysterothylacium aduncum (Atl)
Hysterothylacium sp. (Atl)
Pseudoterranova decipiens larva (Atl)
 Acanthocephala
Echinorhynchus gadi (Atl)
Echinorhynchus sp. (Atl)
 Copepoda
Lophoura bouvieri (Atl)

Trachyrhynchus murrayi Günther roughnose grenadier
 Remarks: This fish was not listed in the checklist by Robins
 et al. (1991).

Monogenea
Diclidophora caudata (Atl)

Family MORIDAE

Antimora rostrata Günther blue antimora
 Remarks: This fish was not listed in the checklist by Robins
 et al. (1991).

Apicomplexa
Haemohormidium terraenovae (E Arc)
Haemohormidium sp. (Atl)
 Myxozoa

Ceratomyxa sp. (Atl)
Myxidium coryphaenoidium (Atl)
 Trematoda
Lepidapedon sp. (Atl)
 Copepoda
Lophoura tetrphylla (Atl)
Sphyrion lumpi (Atl)

Lepidion eques (Günther) largeye lepidion
 Remarks: This fish was not listed in the checklist by Robins
 et al. (1991).

Trematoda
Lepidapedon elongatum (Atl)
Progonus muelleri (Atl)

ORDER GADIFORMES

Family GADIDAE

Boreogadus saida (Lepechin) Arctic cod

Apicomplexa
Haemohormidium terraenovae (E Arc)
 Mastigophora
Trypanosoma murmanensis (E Arc)
 Trematoda
Brachyphallus crenatus (E Arc)
Derogenes varicus (Atl, E Arc)
Hemiurus levinseni (Atl)
Lecithaster gibbosus (Atl)
 Nematoda
 Nematoda gen.sp. (E Arc)
Pseudoterranova decipiens larva (Atl)
 Annelida
 Hirudinea gen.sp. (E Arc)

Gadus macrocephalus Tilesius Pacific cod

Nematoda
Ascarophis sp. (Pac)
 Annelida
Beringbdella rectangulata (Pac)
 Copepoda
Chondracanthus palpifer (Pac)
Clavella adunca (Pac)
Clavella irina (Pac)
Haemobaphes diceraus (Pac)
Lepeophtheirus sp. (Pac)

Gadus morhua Linnaeus Atlantic cod

Apicomplexa
 Eimeriorina gen.sp. (Atl)
Goussia gadi (Atl)
Goussia spraguei (Atl)
Goussia sp. (Atl)
Haemohormidium terraenovae (E Arc)
 Ciliophora
Trichodina cooperi (Atl)
Trichodina murmanica (Atl)

- Trichodina* sp. (Atl)
 Trichodinidae gen.sp. (Atl)
- Microspora
Loma branchialis (Atl)
 Microsporida gen.sp. (Atl)
- Mastigophora
Spironucleus torosa (Atl)
Trypanosoma murmanensis (Atl, E Arc, exper)
- Myxozoa
Myxidium gadi (Atl)
 Myxosporea gen.sp. (Atl)
Zschokkella hildae (Atl)
Zschokkella russelli (Atl)
- Udonellidea
Udonella caligorum (Atl)
- Trematoda
Brachyphallus crenatus (Atl)
Cryptocotyle lingua metacercaria (Atl)
Derogenes varicus (Atl)
 Digenea gen.sp. metacercaria (Atl)
 Digenea gen.sp. (Atl)
Gonocerca phycidis (Atl)
Hemiurus levinseni (Atl)
Lecithaster gibbosus (Atl)
Lepidapedon elongatum (Atl)
Lepidapedon racion (Atl)
Neophasis burti (Atl)
Otodistomum sp. metacercaria (Atl)
Podocotyle atomon (Atl)
Podocotyle reflexa (Atl)
Proserhynchus squamatus (Atl)
Steganoderma formosum (Atl)
Stenakron vetustum (Atl)
Stephanostomum baccatum (Atl)
Steringophorus firciger (Atl)
- Monogenea
Gyrodactylus sp. (Atl)
- Cestoidea
Abothrium gadi (Atl)
Ceratobothrium xanthocephalum plerocercoid (Atl)
 Cestoidea gen.sp. plerocercoid (Atl)
Grillotia erinaceus plerocercoid (Atl)
Phyllobothrium loliginus plerocercoid (Atl)
 Pseudophyllidea gen.sp. plerocercoid (Atl)
Scolex pleuronectis plerocercoid (Atl)
Spathebothrium simplex (Atl)
Tentacularia coryphaenae plerocercoid (Atl)
- Nematoda
 Anisakidae gen.sp. larva (Atl)
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Ascarophis arctica (Atl)
Ascarophis extalicola (Atl)
Ascarophis filiformis (Atl)
 "Capillaria" sp. (Atl)
Contracaecum osculatum larva (Atl)
- Contracaecum* sp. and/or *Phocascaris* sp. larva (Atl)
Cucullanus cirratus (Atl)
Hysterothylacium aduncum (Atl)
Hysterothylacium sp. (Atl)
 Nematoda gen.sp. (Atl)
Pseudoterranova decipiens larva (Atl, exper)
Pseudoterranova sp. larva (Atl)
- Acanthocephala
Corynosoma wegeneri juvenile (Atl)
Corynosoma sp. juvenile (Atl)
Echinorhynchus gadi (Atl)
Echinorhynchus sp. (Atl)
- Annelida
Johanssonia arctica (Atl, exper)
- Copepoda
Caligus curtus (Atl)
Caligus elongatus (Atl)
Caligus sp. (Atl)
Clavella adunca (Atl)
Lernaocera branchialis (Atl, exper)
- Amphipoda
Lafystius sturionis (Atl)
- Isopoda
Aega psora (Atl)
- Gadus ogac* Richardson ogac
 Remarks: Robins et al. (1991) listed the common name for this fish as "Greenland cod".
- Cestoidea
 Cestoidea gen.sp. (E Arc)
- Nematoda
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Echinorhynchus gadi (W Arc)
Echinorhynchus sp. (E Arc)
- Melanogrammus aeglefinus* (Linnaeus) haddock
- Apicomplexa
 Eimeriorina gen.sp. (Atl)
Goussia gadi (Atl)
Goussia spraguei (Atl)
Goussia sp. (Atl)
Haemogregarina aeglefini (Atl)
- Microspora
Loma branchialis (Atl)
 Microsporida gen.sp. (Atl)
- Mastigophora
Ichthyobodo sp. (Atl)
Spironucleus torosa (Atl)
Trypanosoma sp. (Atl)
- Myxozoa
Myxidium bergense (Atl)
Myxidium gadi (Atl)
Myxidium sp. (Atl)
 Myxosporea gen.sp. (Atl)

- Trematoda
Cryptocotyle lingua metacercaria (Atl)
Derogenes varicus (Atl)
Digenea gen.sp. metacercaria (Atl)
Genolinea laticauda (Atl)
Hemiurus levinseni (Atl)
Lepidapedon rachion (Atl)
Prosorhynchus squamatus (Atl)
- Cestoidea
Abothrium gadi (Atl)
Bothriocephalus scorpii (Atl)
Cestoidea gen.sp. plerocercoid (Atl)
Grillotia erinaceus plerocercoid (Atl)
Tetraphyllidea gen.sp. plerocercoid (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Ascarophis arctica (Atl)
"Capillaria" sp. (Atl)
Cucullanus cirratus (Atl)
Hysterothylacium aduncum (Atl)
Hysterothylacium sp. (Atl)
Nematoda gen.sp. (Atl)
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Corynosoma strumosum juvenile (Atl)
Corynosoma wegneri juvenile (Atl)
Corynosoma sp. juvenile (Atl)
Echinorhynchus gadi (Atl)
Echinorhynchus sp. (Atl)
- Annelida
Johanssonia arctica (exper)
- Copepoda
Clavella adunca (Atl)
- Amphipoda
Lafystius sturionis (Atl)
- Isopoda
Aega psora (Atl)
- Microgadus tomcod* (Walbaum) Atlantic tomcod
- Nematoda
Ascarophis arctica (Atl)
- Annelida
Calliobdella vivida (Atl)
Johanssonia arctica (exper)
- Pollachius virens* (Linnaeus) pollock
- Apicomplexa
Haemohormidium sp. (Atl)
- Mastigophora
Trypanosoma sp. (Atl)
- Myxozoa
Myxidium gadi (Atl)
- Trematoda
Brachyphallus crenatus (Atl)
Cryptocotyle lingua metacercaria (Atl)
Derogenes varicus (Atl)
Digenea gen.sp. metacercaria (Atl)
Genolinea laticauda (Atl)
- Hemiurus levinseni* (Atl)
Lecithaster gibbosus (Atl)
Podocotyle reflexa (Atl)
- Monogenea
Diclidophora denticulata (Atl)
- Cestoidea
Bothriocephalus scorpii (Atl)
Cestoidea gen.sp. plerocercoid (Atl)
Cestoidea gen.sp. (Atl)
Scolex pleuronectis plerocercoid (Atl)
- Nematoda
Anisakidae gen.sp. (Atl)
Anisakis simplex larva (Atl)
Cucullanus cirratus (Atl)
Hysterothylacium sp. (Atl)
Nematoda gen.sp. (Atl)
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Corynosoma sp. juvenile (Atl)
Echinorhynchus gadi (Atl)
Echinorhynchus sp. (Atl)
- Copepoda
Caligus curtus (Atl)
Clavella adunca (Atl)
- Theragra chalcogramma* (Pallas) walleye pollock
- Apicomplexa
Eimeria sp. (Pac)
- Microspora
Microsporida gen.sp. (Pac)
Pleistophora sp. (Pac)
- Myxozoa
Kudoa thyrsites (Pac)
Kudoa sp. (Pac)
Myxidium theragrae (Pac)
Zschokkella hildae (Pac)
- Trematoda
Aporocotyle theragrae (Pac)
Brachyphallus crenatus (Pac)
Copiatestes filiferus (Pac)
Derogenes varicus (Pac)
Hemiurus levinseni (Pac)
Lecithophyllum botryophorum (Pac)
Lepidapedon gadi (Pac)
Parahemiurus merus (Pac)
Podocotyle theragrae (Pac)
Podocotyle sp. (Pac)
Prosorhynchoides basargini metacercaria (Pac)
Prosorhynchus sp. metacercaria (Pac)
Rhipidocotyle sp. metacercaria (Pac)
Steganoderma formosum (Pac)
Stephanostomum sp. metacercaria (Pac)
- Monogenea
Capsalidae gen.sp. (Pac)
Entobdella pugetensis (Pac)

Cestoidea
Abothrium gadi (Pac)
Bothriocephalus sp. (Pac)
Grillotia heptanchi plerocercoid (Pac)
Nybelinia surmenicola plerocercoid (Pac)
Pseudophyllidea gen.sp. plerocercoid (Pac)
Scolex pleuronectis plerocercoid (Pac)
Trypanorhyncha gen.sp. plerocercoid (Pac)

Nematoda
Anisakis simplex larva (Pac)
Anisakis sp. larva (Pac)
Contracaecum sp. and/or *Phocascaris* sp. larva (Pac)
Hysterothylacium aduncum (Pac)
Pseudoterranova decipiens larva (Pac)
Spirurida gen.sp. larva (Pac)

Acanthocephala
Bolbosoma caenoforme juvenile (Pac)
Corynosoma strumosum juvenile (Pac)
Corynosoma sp. juvenile (Pac)
Echinorhynchus gadi (Pac)

Copepoda
Clavella perfida (Pac)
Haemobaphes theragrae (Pac)
Haemobaphes sp. (Pac)
Lepeophtheirus parviventris (Pac)
Lepeophtheirus paulus (Pac)
Lepeophtheirus sp. (Pac)

Isopoda
Rocinella belliceps (Pac)

Family LOTIDAE

Brosme brosme (Ascanius) cusk
Nematoda
Anisakis simplex larva (Atl)
Pseudoterranova decipiens larva (Atl)

Gaidropsarus ensis (Reinhardt) threebeard rockling
Remarks: This fish was not listed in the checklist by Robins et al. (1991).
Apicomplexa
Haemogregarina sp. (E Arc)
Haemohormidium terraenovae (E Arc)

Copepoda
Sphyrion lumpi (Atl)

Lota lota (Linnaeus) burbot
Ciliophora
Trichodina sp. (Alta)
Trichodinella sp. (Ont)

Microspora
Microsporidia gen.sp. (BC)

Myxozoa
Chloromyxum catostomi (BC)
Myxobolus aureatus (BC)
Myxobolus sp. (BC, Ont)

Wardia sp. (BC)
Protista incertae sedis
Dermocystidium sp. (BC)

Trematoda
Azygia angusticauda (Ont)
Azygia longa (Ont)
Crepidostomum farionis (BC)
Crepidostomum sp. (Ont)
Digenea gen.sp. (Alta)
Diplostomum baeri bucculentum metacercaria (BC, Man)
Diplostomum spathaceum metacercaria (BC, Ont)
Diplostomum spathaceum indistinctum metacercaria (Alta)
Diplostomum sp. metacercaria (BC, Que)
Tetracotyle sp. metacercaria (Ont)
Tylodelphys scheuringi metacercaria (BC, Alta)

Monogenea
Gyrodactylus lotae (Ont)
Gyrodactylus sp. (Ont)

Cestoidea
Bothriocephalus sp. (Ont)
Cyathocephalus truncatus (Alta)
Diphyllbothrium dendriticum plerocercoid (Ont)
Diphyllbothrium latum plerocercoid (Man)
Diphyllbothrium sp. plerocercoid (BC)
Eubothrium crassum (Ont)
Eubothrium rugosum (BC, Alta, Man, Ont)
Ligula sp. plerocercoid (Alta)
Proteocephalus pearsei (Ont)
Proteocephalus sp. (BC, Alta, Ont)
Proteocephalidae gen.sp. (Alta)
Triaenophorus nodulosus plerocercoid (Alta, Man)

Nematoda
Cucullanus cotylophora (Ont)
Eustrongylides sp. larva (BC)
Haplonema hamulatum (BC, Alta, Ont)
Hysterothylacium brachyurum larva (Ont)
Hysterothylacium brachyurum adult (BC, Ont)

Nematoda gen.sp. (Alta)
Raphidascaris acus larva (Ont)
Raphidascaris acus adult (Que)
Spinitectus gracilis (Ont)

Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus leidy (Man)
Echinorhynchus salmonis (Alta, Man, Ont)
Echinorhynchus sp. (Ont)
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus cylindratus (Ont)
Neoechinorhynchus rutili (BC)
Neoechinorhynchus salmonis (BC)
Pomphorhynchus bulbocolli (Ont)
Pomphorhynchus sp. (Alta)

Annelida
Cystobranchnus verrilli (Alta, Ont)
Myzobdella lugubris (Ont)

- Mollusca
 Unionidae gen.sp. glochidium (Ont)
- Copepoda
Ergasilus celestis (Ont)
Salmincola lotae (NWT)
- Family PHYCIDAE
- Urophycis chesteri* (Goode and Bean) longfin hake
 Syn.: *Phycis chesteri* Goode and Bean
 Remarks: Placement of the longfin hake in the genus *Urophycis* follows Robins et al. (1991) for reasons they stated on p. 81.
- Mastigophora
Trypanosoma sp. (Atl)
- Trematoda
Anomalotrema koiae (Atl)
Derogenes varicus (Atl)
Dissosaccus laevis (Atl)
Genolinea laticauda (Atl)
Hemiurus levinseni (Atl)
Lecithophyllum botryophorum (Atl)
Lepidapedon elongatum (Atl)
Lethadena profunda (Atl)
Paraccacladium jamiesoni (Atl)
- Monogenea
Diclidophoroides maccallumi (Atl)
- Cestoidea
Bothriocephalus scorpii (Atl)
Scolex sp. plerocercoid (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Hysterothylacium aduncum (Atl)
Pseudoterranova decipiens larva (Atl)
Spinitectus cristatus (Atl)
- Acanthocephala
Echinorhynchus gadi (Atl)
- Urophycis chuss* (Walbaum) red hake
- Apicomplexa
Haemogregarina aeglefini (Atl)
Haemohormidium terraenovae (Atl)
- Mastigophora
Trypanosoma sp. (Atl)
- Myxozoa
Noblea admiranda (Atl)
- Trematoda
Derogenes varicus (Atl)
Dissosaccus laevis (Atl)
Genolinea laticauda (Atl)
Hemiurus levinseni (Atl)
Lecithaster gibbosus (Atl)
Lecithophyllum botryophorum (Atl)
Lepidapedon elongatum (Atl)
Otodistomum sp. metacercaria (Atl)
Podocotyle atomon (Atl)
- Podocotyle reflexa* (Atl)
Steganoderma formosum (Atl)
Steringophorus furciger (Atl)
- Cestoidea
Grillotia sp. plerocercoid (Atl)
Scolex sp. plerocercoid (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Capillaria (Procapillaria) gracilis (Atl)
Cucullanus cirratus (Atl)
Hysterothylacium aduncum (Atl)
Pseudoterranova decipiens larva (Atl)
Spinitectus cristatus (Atl)
- Acanthocephala
Corynosoma strumosum juvenile (Atl)
Echinorhynchus gadi (Atl)
- Urophycis musicki* Cohen and Lavenberg white hake
 Syn.: *Urophycis tenuis* (Mitchill)
 Remarks: The synonymy of the white hake follows McAllister (1990) for reasons he stated on p. 120. Robins et al. (1991) retained the name *Urophycis tenuis* in their checklist. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Urophycis tenuis*.
- Apicomplexa
Haemogregarina aeglefini (Atl)
- Mastigophora
Trypanosoma sp. (Atl)
- Trematoda
Derogenes varicus (Atl)
Dissosaccus laevis (Atl)
Genolinea laticauda (Atl)
Hemiurus levinseni (Atl)
Lecithaster gibbosus (Atl)
Lecithophyllum botryophorum (Atl)
Lepidapedon elongatum (Atl)
Otodistomum sp. metacercaria (Atl)
Podocotyle reflexa (Atl)
Progonus muelleri (Atl)
Pseudopecoelus vulgaris (Atl)
Steganoderma formosum (Atl)
Stenakron vetustum (Atl)
Steringophorus furciger (Atl)
- Cestoidea
Bothriocephalus scorpii (Atl)
Clestobothrium crassiceps (Atl)
Grillotia sp. plerocercoid (Atl)
Scolex sp. plerocercoid (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Ascarophis arctica (Atl)
Capillaria (Procapillaria) gracilis (Atl)
Contracaecium osculatum larva (Atl)
Hysterothylacium aduncum (Atl)
Pseudoterranova decipiens larva (Atl)

Spinitectus cristatus (Atl)
Spinitectus sp. (Atl)
Acanthocephala
Corynosoma strumosum juvenile (Atl)
Echinorhynchus gadi (Atl)

Family MERLUCCIDAE

Merluccius albidus (Mitchill) offshore hake
Trematoda
Derogenes varicus (Atl)
Hemiurus levinseni (Atl)
Lecithaster gibbosus (Atl)
Lepidapedon elongatum (Atl)
Cestoidea
Clestobothrium crassiceps (Atl)
Scolex sp. plerocercoid (Atl)
Nematoda
Anisakis sp. larva (Atl)
Capillaria (Procapillaria) gracilis (Atl)
Hysterothylacium aduncum (Atl)

Merluccius bilinearis (Mitchill) silver hake
Apicomplexa
Eimeriorina gen. sp. (Atl)
Goussia clupearum (Atl)
Goussia sp. (Atl)
Haemogregarina aeglefini (Atl)
Haemohormidium terraenovae (Atl)
Haemohormidium sp. (Atl)
Mastigophora
Trypanosoma sp. (Atl)
Trematoda
Derogenes varicus (Atl)
Digenea gen.sp. (Atl)
Hemiurus levinseni (Atl)
Lecithaster gibbosus (Atl)
Podocotyle reflexa (Atl)
Monogenea
Anthocotyle merluccii (Atl)
Cestoidea
Cestoidea gen.sp. (Atl)
Clestobothrium crassiceps (Atl)
Grillotia sp. plerocercoid (Atl)
Scolex sp. plerocercoid (Atl)
Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Ascarophis arctica (Atl)
Capillaria (Procapillaria) gracilis (Atl)
Hysterothylacium aduncum (Atl)
Hysterothylacium sp. (Atl)
Nematoda gen.sp. (Atl)
Pseudoterranova decipiens larva (Atl)
Acanthocephala
Acanthocephala gen.sp. (Atl)

Merluccius productus (Ayres) Pacific hake
Apicomplexa
Eimeria sp. (Pac)
Myxozoa
Kudoa paniformis (Pac)
Kudoa thyrsites (Pac)
Kudoa sp. (Pac)
Myxoproteus meridionalis (Pac)
Monogenea
Anthocotyle merluccii (Pac)
Trematoda
Aporocotyle margolisi (Pac)
Derogenes varicus (Pac)
Lecithaster gibbosus (Pac)
Lecithophyllum botryophorum (Pac)
Parahemiurus merus (Pac)
Cestoidea
Clestobothrium crassiceps (Pac)
Nybelinia surmenicola plerocercoid (Pac)
Scolex pleuronectis plerocercoid (Pac)
Nematoda
Anisakis simplex larva (Pac)
Ascarophis sp. (Pac)
Hysterothylacium aduncum (Pac)
Pseudoterranova decipiens larva (Pac)
Acanthocephala
Echinorhynchus gadi (Pac)
Annelida
Malmiana sp. (Pac)
Copepoda
Chondracanthus palpifer (Pac)
Haemobaphes diceraus (Pac)
Lepeophtheirus sp. (Pac)
Neobrachiella insidiosa forma *pacifica* (Pac)

ORDER LOPHIIFORMES
Family ANTENNARIIDAE

Histrio histrio (Linnaeus) sargassumfish
Copepoda
Pennella sagitta (Atl)

Family LOPHIIDAE

Lophius americanus Valenciennes monkfish
Remarks: Robins et al. (1991) listed the common name for this fish as "goosefish".
Apicomplexa
Haemogregarina sp. (Atl)
Trematoda
Progonus muelleri (Atl)
Nematoda
Anisakis simplex larva (Atl)
Pseudoterranova decipiens larva (Atl)

ORDER ATHERINIFORMES
Family ATHERINIDAE

Labidesthes sicculus (Cope) brook silverside
Trematoda
Diplostomum spathaceum metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)

ORDER CYPRINODONTIFORMES
Family CYPRINODONTIDAE

Fundulus diaphanus (Le Sueur) banded killifish
Ciliophora
Ichthyophthirius multifiliis (Ont)
Trichodina sp. (Ont)
Trematoda
Diplostomum spathaceum metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Tylodelphys scheuringi metacercaria (Ont)
Monogenea
Gyrodactylus avalonia (Ont)
Gyrodactylus funduli (Ont)
Gyrodactylus stableri (Ont)
Fundulotrema prolongis (Ont, NS)
Salsuginus angularis (Ont, NB)
Salsuginus fundulus (Ont, NB)
Cestoidea
Proteocephalus ambloplitis plerocercoid (Ont)
Nematoda
Camallanus oxycephalus (Ont)
Eustrongylides tubifex larva (Ont)
Hysterothylacium sp. (Ont)
Raphidascaris acus larva (Ont)
Acanthocephala
Leptorhynchoides thecatus (Ont)
Fundulus heteroclitus (Linnaeus) mummichog
Trematoda
Stephanostomum tenue metacercaria (Atl)
Monogenea
Salsuginus heteroclitii (NB-b, Atl)
Annelida
Myzobdella lugubris (Atl)
Fundulus notatus (Rafinesque) blackstripe topminnow
Copepoda
Lernaea sp. (Ont)

Family POECILIIDAE

Poecilia reticulata Peters guppy
Syn.: *Lebistes reticulatus* (Peters)
Trematoda
Diplostomum spathaceum metacercaria (exper)
Diplostomum sp. metacercaria (exper)

Monogenea
Gyrodactylus bullatarudis (Que, NS, exper)

ORDER BERYCIFORMES
Family ANOPLOGASTRIDAE

Anoplogaster cornuta Valenciennes fangtooth
Remarks: This fish was not listed in the checklist by Robins et al. (1991).
Copepoda
Tautochondria dolichoura (Atl)

ORDER GASTEROSTEIFORMES
Family GASTEROSTEIDAE

Apeltes quadracus (Mitchill) fourspine stickleback
Monogenea
Gyrodactylus cameroni (NB-b, NS-b)
Cestoidea
Diphyllbothrium dendriticum plerocercoid (NS)
Nematoda
Contraecum sp. (NS)
Cosnocephalus obvelatus larva (NS)
Paracuaria adunca larva (NS)
Pseudoterranova decipiens larva (NS)
Aulorhynchus flavidus Gill tube-snout
Trematoda
Podocotyle endophrysi (Pac)
Culaea inconstans (Kirtland) brook stickleback
Syn.: *Eucalea inconstans* Kirtland
Ciliophora
Ichthyophthirius multifiliis (Ont)
Microspora
Glugea anomala (Ont)
Undetermined Protozoa
Protozoa gen.sp. (Alta)
Trematoda
Apatemon gracilis metacercaria (Que)
Bunodera eucaliae (Ont)
Bunodera inconstans (Ont)
Diplostomum scudderii metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Tetracotyle sp. metacercaria (Ont)
Monogenea
Dactylogyrus eucalius (Ont)
Gyrodactylus eucaliae (Ont)
Cestoidea
Proteocephalus pugetensis (Ont)
Proteocephalus sp. (Ont)
Schistocephalus solidus plerocercoid (Alta, Man, Ont)

- Nematoda
Contraecum sp. (Man)
Eustrongylides tubifex larva (Ont)
Hysterothylacium brachyurum larva (Ont)
Hysterothylacium sp. (Ont)
Nematoda gen.sp. (Ont)
Rhabdochona cascadilla (Ont)
Spiroxys sp. larva (Ont)
- Acanthocephala
Acanthocephalus dirus (Ont)
Neoechinorhynchus pungitius (Ont)
Neoechinorhynchus rutili (Ont)
- Copepoda
Ergasilus versicolor (Ont)
Ergasilus sp. (Ont)
- Gasterosteus aculeatus* Linnaeus threespine stickleback
- Ciliophora
Capriniana sp. (Ont)
- Mastigophora
Dinoflagellida gen.sp. (BC)
- Trematoda
Bunodera eucaliae (Ont)
Bunodera mediovitellata (BC)
Crepidostomum farionis (Nfld)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Que)
Neolebouria tinkerbella (exper)
Tetracotyle sp. metacercaria (Nfld)
- Monogenea
Gyrodactylus alexanderi (BC)
Gyrodactylus avalonia (Ont, NB, NS, Nfld, Nfld-b)
Gyrodactylus canadensis (NWT, NB, Nfld)
Gyrodactylus sp. (Ont)
- Cestoidea
Cyathocephalus truncatus (BC)
Diphyllbothrium dendriticum plerocercoid (NS)
Diphyllbothrium ditremum plerocercoid (Que)
Proteocephalus pugetensis (Ont)
Schistocephalus solidus plerocercoid (BC, Que, NB, Nfld)
- Nematoda
Contraecum sp. (NS)
Cosmocephalus obvelatus larva (Ont, NS)
Hysterothylacium sp. (Ont)
Paracuaria adunca larva (Ont, NS)
Pseudoterranova decipiens larva (NS)
- Acanthocephala
Echinorhynchus lateralis (Nfld)
Echinorhynchus salmonis (Ont)
- Annelida
Desserobdella phalera (exper)
- Mollusca
Anodonta cataracta glochidium (Nfld)
Unionidae gen.sp. glochidium (Ont)
- Branchiura
Argulus stizostethi (Atl, exper)
- Copepoda
Caligus clemensi (Pac)
Ergasilus sp. (Ont, Nfld)
Holobomolochus sp. (Pac)
Lepeophtheirus sp. (Pac)
Thersitina gasterostei (Que-b)
- Gasterosteus wheatlandi* Putnam blackspotted stickleback
- Monogenea
Gyrodactylus avalonia (NB, NS)
Gyrodactylus canadensis (NB)
- Branchiura
Argulus stizostethi (Atl, exper)
- Pungitius pungitius* (Linnaeus) ninespine stickleback
- Microspora
Glugea anomala (Ont)
Microsporida gen.sp. (Man)
- Trematoda
Apatemon gracilis metacercaria (Alta)
Bunodera luctipercae (Alta)
Diplostomum spathaceum metacercaria (Alta, NWT, Ont)
Ichthyocotylurus erraticus metacercaria (Alta)
- Monogenea
Gyrodactylus avalonia (NB)
Gyrodactylus canadensis (NS, NWT)
Gyrodactylus eucaliae (Ont)
Gyrodactylus sp. (Alta, Ont, NWT)
- Cestoidea
Diphyllbothrium dendriticum plerocercoid (NWT, NS)
Diphyllbothrium ditremum plerocercoid (NWT)
Eubothrium sp. (Alta)
Proteocephalus filicollis (Alta)
Proteocephalus sp. (NWT)
Schistocephalus pungitii plerocercoid (NS)
Schistocephalus solidus plerocercoid (Alta, Ont)
Schistocephalus sp. plerocercoid (Man, NWT, NB)
Triaenophorus nodulosus plerocercoid (Alta)
- Nematoda
Contraecum sp. (Man, NS)
Cosmocephalus obvelatus larva (NS)
Paracuaria adunca larva (NS)
Raphidascaris acus larva (Alta)
- Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Alta)
Neoechinorhynchus pungitius (Ont)
Neoechinorhynchus rutili (Ont)
Pomphorhynchus bulbocolli (Alta)
- Branchiura
Argulus stizostethi (Atl, exper)

Copepoda
Ergasilus auritus (Alta)
Ergasilus sp. (Man, Ont)
Thersitina gasterostei (Que-b, NS)

ORDER SYNGNATHIFORMES
 Family SYNGNATHIDAE

Syngnathus leptorhynchus (Girard) bay pipefish
 Syn.: *Syngnathus griseolineatus* Ayres
 Remarks: The synonymy follows McAllister (1990) for reasons he stated on p. 134. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Syngnathus griseolineatus*.
 Monogenea
Gyrodactylus sp. (Pac)
 Copepoda
Bomolochus cuneatus (Pac)

ORDER SCORPAENIFORMES
 SUBORDER SCORPAENOIDEI
 Family SCORPAENIDAE

Sebastes aleutianus (Jordan and Evermann) rougeye rockfish
 Trematoda
Podocotyle araii (Pac)
Sebastes alutus (Gilbert) Pacific ocean perch
 Trematoda
Podocotyle araii (Pac)
Podocotyle theragrae (Pac)
 Annelida
Malmiana sp. (Pac)
 Copepoda
Chondracanthus pinguis (Pac)
Neobrachiella robusta (Pac)
Neobrachiella robusta forma *longidigita* (Pac)
Sebastes babcocki (Thompson) redbanded rockfish
 Copepoda
Chondracanthus pinguis (Pac)
Naobranchia occidentalis (Pac)
Neobrachiella robusta (Pac)
Sebastes borealis Barsukov shortraker rockfish
 Trematoda
Podocotyle araii (Pac)
Sebastes brevispinis (Bean) silvergray rockfish
 Syn.: *Sebastodes brevispinis* (Bean)
 Trematoda
Podocotyle araii (Pac)

Nematoda
Anisakis simplex larva (Pac)
 Copepoda
Chondracanthus pinguis (Pac)
Naobranchia occidentalis (Pac)

Sebastes caurinus Richardson copper rockfish
 Trematoda
Podocotyle theragrae (Pac)
 Monogenea
Microcotyle sebastis (Pac)
Trochopus trituba (Pac)
 Nematoda
Ascarophis sebastodis (Pac)
Sebastes diploproa (Gilbert) splitnose rockfish
 Myxozoa
Kudoa sp. (Pac)
Sebastes fasciatus Storer Acadian redfish
 Myxozoa
Ceratomyxa macrospora (Atl)
Myxidium sphaericum (Atl)
 Trematoda
Anomalotrema koiae (Atl)
Derogenes varicus (Atl)
Hemiurus levinseni (Atl)
Hemiurus sp. (Atl)
Lecithaster gibbosus (Atl)
Lecithophyllum botryophorum (Atl)
Podocotyle reflexa (Atl)
Steganoderma formosum (Atl)
 Cestoidea
Bothriocephalus scorpii (Atl)
Grillotia sp. plerocercoid (Atl)
Scolex pleuronectis plerocercoid (Atl)
 Nematoda
 Anisakidae gen.sp. larva (Atl)
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)
Hysterothylacium aduncum (Atl)
Pseudoterranova decipiens larva (Atl)
 Acanthocephala
 Acanthocephala gen.sp. (Atl)
Echinorhynchus gadi (Atl)
 Copepoda
Chondracanthus nodosus (Atl)
Sphyrion lumpi (Atl)
Sebastes flavidus (Ayres) yellowtail rockfish
 Microspora
Pleistophora sp. (Pac)
 Myxozoa
Leptotheca sp. (Pac)
Myxidium japonicum (Pac)
Myxidium sp. (Pac)

- Trematoda
Copiatestes filiferus (Pac)
Derogenes varicus (Pac)
Helicometra sebastis (Pac)
Lecithaster gibbosus (Pac)
Lecithochirium exodicum (Pac)
Opechona occidentalis (Pac)
Plagioporus sp. (Pac)
Podocotyle sp. (Pac)
Prosorhynchus crucibulum metacercaria (Pac)
Stephanostomum sp. metacercaria (Pac)
- Monogenea
Microcotyle sebastis (Pac)
Trochopus marginata (Pac)
- Cestoidea
Nybelinia surmenicola plerocercoid (Pac)
Nybelinia sp. plerocercoid (Pac)
- Nematoda
Anisakis sp. larva (Pac)
Pseudoterranova decipiens larva (Pac)
- Acanthocephala
Corynosoma sp. juvenile (Pac)
- Copepoda
Chondracanthus pinguis (Pac)
Chondracanthus triventricosus (Pac)
Colobomatus kyphosus (Pac)
Neobrachiella robusta (Pac)
- Sebastes goodei* (Eigenmann and Eigenmann) chilipepper
Myxozoa
Kudoa sp. (Pac)
- Sebastes jordani* (Gilbert) shortbelly rockfish
Myxozoa
Kudoa sp. (Pac)
- Sebastes maliger* (Jordan and Gilbert) quillback rockfish
Monogenea
Benedenia sp. (Pac)
Microcotyle sebastis (Pac)
- Copepoda
Chondracanthus pinguis (Pac)
Lepeophtheirus sp. (Pac)
Neobrachiella robusta (Pac)
- Sebastes melanops* Girard black rockfish
Monogenea
Trochopus trituba (Pac)
- Sebastes mentella* Travin deepwater redfish
Myxozoa
Ceratomyxa macrospora (Atl)
Myxidium sphaericum (Atl)
- Cnidaria
Hydrichihys sarcotretis (Atl)
- Trematoda
Anomalotrema koiae (Atl)
Derogenes varicus (Atl)
- Hemiurus* sp. (Atl)
Lecithaster gibbosus (Atl)
Lecithophyllum botryophorum (Atl)
Podocotyle reflexa (Atl)
- Cestoidea
Bothriocephalus scorpii (Atl)
Scolex pleuronectis plerocercoid (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)
Hysterothylacium aduncum (Atl)
Pseudoterranova decipiens larva (Atl)
- Copepoda
Chondracanthus nodosus (Atl)
Sphyrion lunpi (Atl)
- Sebastes nebulosus* Ayres China rockfish
Trematoda
Deretrema cholaeum (Pac)
Digenea gen.sp. (Pac)
Dollfustreina sp. (Pac)
Genolinea laticauda (Pac)
Helicometra sebastis (Pac)
Helicometrina nimia (Pac)
Hemiurus levinseni (Pac)
Lecithaster gibbosus (Pac)
Lecithochirium exodicum (Pac)
Neolepidapedon pugetense (Pac)
Opechona occidentalis (Pac)
Parahemiurus merus (Pac)
Phyllodistomum sp. (Pac)
Podocotyle radfistuli (Pac)
Prosorhynchus crucibulum (Pac)
Stephanostomum californicum (Pac)
Tubulovesicula lindbergi (Pac)
Zoogonus dextrocirrus (Pac)
- Cestoidea
Bothriocephalus sp. (Pac)
- Nematoda
Ascarophis sebastodis (Pac)
Caballeronema wardlei (Pac)
Hysterothylacium aduncum (Pac)
Nematoda gen.sp. (Pac)
- Acanthocephala
Echinorhynchus gadi (Pac)
- Sebastes nigrocinctus* Ayres tiger rockfish
Annelida
Ostreobdella papillata (Pac)
- Sebastes norvegicus* (Ascanius) golden redfish
Syn.: *Sebastes marinus* (Linnaeus)
Remarks: The synonymy follows McAllister (1990) for the reasons he stated on p. 188. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Sebastes marinus*.

Apicomplexa
Haemohormidium terraenovae (E Arc)
 Myxozoa
Ceratomyxa macrospora (Atl)
 Trematoda
Anomalotrema koiae (Atl)
Brachyphallus crenatus (Atl)
Derogenes varicus (Atl)
Hemiurus sp. (Atl)
Lecithaster gibbosus (Atl)
Lecithophyllum botryophorum (Atl)
 Opecoelidae gen.sp. (Atl)
Podocotyle reflexa (Atl)
 Monogenea
Microcotyle sp. (Atl)
 Cestoidea
Abothrium sp. (Atl)
Bothriocephalus scorpii (Atl)
Scolex pleuronectis plerocercoid (Atl)
 Trypanorhyncha gen.sp. plerocercoid (Atl)
 Nematoda
 Anisakidae gen.sp. larva (Atl)
Anisakis sp. larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)
Hysterothylacium aduncum (Atl)
 Acanthocephala
 Acanthocephala gen.sp. (Atl)
 Copepoda
Chondracanthus nodosus (Atl)
Sphyrion lumpi (Atl)

Sebastes paucispinis Ayres bocaccio
 Myxozoa
Kudoa sp. (Pac)
 Nematoda
Anisakis simplex larva (Pac)

Sebastes pinniger (Gill) canary rockfish
 Nematoda
Anisakis simplex larva (Pac)
 Copepoda
Chondracanthus pinguis (Pac)
Naobranchia occidentalis (Pac)
Neobrachiella robusta (Pac)

Sebastes spp.
 Apicomplexa
Haemogregarina aeglefini (Atl)
 Cestoidea
 Cestoidea gen.sp. plerocercoid (Atl)
Eubothrium sp. (Atl)
 Nematoda
Anisakis simplex larva (Atl)
Hysterothylacium sp. (Atl)
 Nematoda gen.sp. (Atl)
 Copepoda
Sphyrion lumpi (Atl)

Sebastolobus alascanus Bean shortspine thornyhead
 Annelida
Malmiana sp. (Pac)

SUBORDER ANOPLOPOMATOIDEI Family ANOPLOPOMATIDAE

Anoplopoma fimbria (Pallas) sablefish
 Trematoda
Brachyphallus crenatus (Pac)
Derogenes varicus (Pac)
 Didymozoidae gen.sp. (Pac)
 Digenea gen.sp. (Pac)
Fellodistomum breviun (Pac)
Lecithaster gibbosus (Pac)
Lecithochirium exodicum (Pac)
Opecoelina sp. (Pac)
Parahemiurus merus (Pac)
Pseudopecoelus vulgaris (Pac)
Stephanostomum californicum (Pac)
 Cestoidea
Scolex pleuronectis plerocercoid (Pac)
 Nematoda
Anisakis sp. larva (Pac)
 "Capillaria" sp. (Pac)
Hysterothylacium aduncum (Pac)
Pseudoterranova decipiens larva (Pac)
 Acanthocephala
Corynosoma sp. juvenile (Pac)
 Copepoda
Naobranchia occidentalis (Pac)

SUBORDER HEXAGRAMMOIDEI Family HEXAGRAMMIDAE

Hexagrammos decagrammus (Pallas) kelp greenling
 Trematoda
Podocotyle sinusacca (Pac)
 Monogenea
Prosomicrocotyla chiri (Pac)
 Nematoda
Ascarophis sp. (Pac)
 Copepoda
Chondracanthus deltoideus (Pac)

Hexagrammos stelleri Tilesius whitespotted greenling
 Trematoda
Podocotyle sinusacca (Pac)
 Branchiura
Argulus pugettensis (Pac)
 Copepoda
Bomolochus cuneatus (Pac)
Clavella sp. (Pac)
Holobomolochus venustus (Pac)

- Trematoda
Crepidostomum farionis (BC)
Crepidostomum sp. (Ont)
Diplostomum sp. metacercaria (BC)
Tetracotyle sp. metacercaria (BC, Ont)
- Monogenea
Dactylogyrus buddi (Ont)
Gyrodactylus bairdi (Ont)
- Cestoidea
Ligula intestinalis plerocercoid (BC)
- Nematoda
Eustrongylides sp. larva (BC)
Rhabdochona cotti (BC, Ont)
Rhabdochona sp. (BC)
Spinitectus gracilis (Ont)
- Acanthocephala
Acanthocephalus dirus (Ont)
- Cottus ricei* (Nelson) spoonhead sculpin
- Ciliophora
Ichthyophthirius multifiliis (Ont)
- Trematoda
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Ont)
Tetracotyle sp. metacercaria (Ont)
- Monogenea
Dactylogyrus buddi (Ont)
- Cestoidea
Cyathocephalus truncatus (Ont)
Proteocephalus pearsei (Ont)
- Acanthocephala
Acanthocephalus dirus (Ont)
Neoechinorhynchus rutili (Ont)
- Mollusca
Unionidae gen.sp. glochidium (Ont)
- Copepoda
Ergasilus sp. (Ont)
- Cottus* spp.
- Nematoda
Cosmocephalus obvelatus larva (Ont)
Paracuaria adunca larva (Ont)
Rhabdochona canadensis (Alta)
- Hemilepidotus hemilepidotus* (Tilcsius) red Irish lord
- Trematoda
Anomalotrema putjatini (Pac)
- Hemilepidotus spinosus* (Ayres) brown Irish lord
- Copepoda
Holobomolochus occultus (Pac)
- Hemitripterus americanus* (Gmelin) sea raven
- Apicomplexa
Haemohormidium terraenovae (Atl)
Haemohormidium sp. (Atl)
- Myxozoa
Myxidium incurvatum (Atl)
Myxidium oviforme (Atl)
- Trematoda
Derogenes varicus (Atl)
Hemiurus levinseni (Atl)
Stenakron vetustum (Atl)
Stephanostomum baccatum (Atl)
- Cestoidea
Cestoidea gen.sp. (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Ascarophis arctica (Atl)
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Corynosoma wegeneri juvenile (Atl)
- Annelida
Johanssonia arctica (exper)
- Icelus* sp.
Apicomplexa
Haemogregarina myxocephali (E Arc)
- Leptocottus armatus* Girard Pacific staghorn sculpin
- Trematoda
Cryptocotyle lingua metacercaria (exper)
Neolebouria tinkerbella (exper)
Podocotyle radfistuli (Pac)
Podocotyle sinusacca (Pac)
Podocotyle sp. (BC)
- Copepoda
Bomolochus cuneatus (Pac)
- Myxocephalus octodecemspinosus* (Mitchill) longhorn sculpin
- Apicomplexa
Dactylosoma beckeri (Atl, exper)
Haemogregarina myxocephali (Atl, E Arc)
Haemohormidium sp. (Atl)
- Ciliophora
Trichodina cottidarum (Atl)
Trichodina sp. (Atl)
- Mastigophora
Trypanosoma murmanensis (exper)
Trypanosoma sp. (exper)
- Myxozoa
Ceratomyxa longispina (Atl)
Leptotheca sp. (Atl)
Myxidium incurvatum (Atl)
Myxidium oviforme (Atl)
- Trematoda
Derogenes varicus (Atl)
Hemiurus levinseni (Atl)
Neophasis burti (Atl)
Neophasis oculatus (Atl)
Steganoderma formosum (Atl)
Stephanostomum baccatum (Atl)

- Steringophorus furciger* (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Ascarophis extalicolica (Atl)
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Corynosoma wegeneri juvenile (Atl)
- Annelida
Johanssonia arctica (exper)
Malmiana brunnea (Atl)
Malmiana scorpii (Atl, exper)
Oceanobdella microstoma (Atl)
- Myoxocephalus quadricornis* (Linnaeus) fourhorn sculpin
 Monogenea
Gyrodactylus nainum (Atl)
- Myoxocephalus scorpius* (Linnaeus) shorthorn sculpin
 Apicomplexa
Dactylosoma beckeri (E Arc, Atl)
Eimeria lairdi (Atl)
Eimeria nucleocola (Atl)
Haemogregarina myoxocephali (Atl, E Arc)
Haemogregarina sp. (Atl)
- Mastigophora
Trypanosoma murmanensis (E Arc, Atl, exper)
Trypanosoma sp. (Atl)
- Myxozoa
Ceratomyxa longispina (Atl)
Myxidiun incurvatum (Atl)
Myxidiun oviforme (Atl)
- Trematoda
Derogenes varicus (Atl)
Podocotyle atomon (Atl)
Progonus muelleri (Atl)
Prosorhynchus squamatus (Atl)
Steganoderma formosum (Atl)
- Monogenea
Gyrodactylus groenlandicus (Atl)
- Cestoidea
 Cestoidea gen.sp. (E Arc)
- Nematoda
Pseudoterranova decipiens larva (Atl, E Arc)
- Annelida
Johanssonia arctica (Atl, exper)
Malmiana brunnea (Atl, E Arc, exper)
Malmiana scorpii (E Arc)
Malmiana sp. (E Arc)
Oceanobdella microstoma (Atl)
Platybdella olriki (E Arc)
- Amphipoda
Lafystius sturionis (Atl)
- Myoxocephalus thompsoni* (Girard) deepwater sculpin
 Trematoda
Diplostomium sp. metacercaria (Ont)
- Cestoidea
Bothriocephalus sp. (Ont)
Cyathocephalus truncatus (Ont)
- Nematoda
Cystidicola stigmatura (Ont)
 Spirurinae gen.sp. larva (Ont)
- Myoxocephalus* sp.
 Amphipoda
Lafystius sturionis (Atl)
- Nautichthys oculo-fasciatus* (Girard) sailfin sculpin
 Nematoda
Ascarophis sp. (Pac)
- Oligocottus maculosus* Girard tidepool sculpin
 Trematoda
Cryptocotyle lingua metacercaria (exper)
Podocotyle endophrysi (exper)
Podocotyle sp. (BC)
- Monogenea
Dactylogyrus sp. (Pac)
Gyrodactylus maculosi (Pac)
- Nematoda
 Nematoda gen.sp. (Pac)
Pseudodelphis oligocotti (Pac)
- Copepoda
Haemobaphes intermedius (Pac)
- Scorpaenichthys marmoratus* (Ayres) cabezon
 Nematoda
Capillaria (Procapillaria) margolisi (BC)
- Copepoda
Acanthochondria vancouverensis (Pac)
- Triglops murrayi* Günther moustache sculpin
 Myxozoa
Sphaeromyxa balbianii (Atl)
- Trematoda
Caudotestis nicolli (Atl)
Derogenes varicus (Atl)
Helicometra plovornini (Atl)
Lecithaster gibbosus (Atl)
Progonus muelleri (Atl)
Stenakron sp. (Atl)
- Triglops pingeli* Reinhardt ribbed sculpin
 Syn.: *Triglops beani* Gilbert
 Trematoda
Brachyphallus crenatus (E Arc)
Podocotyle endophrysi (Pac)
- Cestoidea
 Cestoidea gen.sp. (E Arc)
- Nematoda
 Nematoda gen.sp. (E Arc)
- Annelida
Oceanobdella sp. (E Arc)

Cottidae of Undetermined Species

Cottidae gen.sp.

Trematoda

Cryptocotyle lingua metacercaria (BC)

Family PSYCHROLUTIDAE

Cottunculus microps Collett polar sculpin

Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Apicomplexa

Haemohormidium terraenovae (E Arc)

Trematoda

Gonocerca sp. (Atl)

Nematoda

Hysterothylacium sp. (Atl)

Cottunculus thompsoni (Günther) pallid sculpin

Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Copepoda

Bobkabata kabatabobbus (Atl)

Chondracanthus cottunculi (Atl)

Lernaeocera branchialis (Atl)

Family AGONIDAE

Aspidophoroides monopterygius (Bloch) Atlantic alligatorfish

Remarks: Robins et al. (1991) listed the common name for this fish as "alligatorfish".

Nematoda

Pseudoterranova decipiens larva (Atl)

Leptagonus decagonus (Bloch and Schneider)

Atlantic poacher

Trematoda

Anisorchis opisthorchis (Atl)

Family CYCLOPTERIDAE

Careproctus reinhardti (Krøyer) sea tadpole

Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Trematoda

Stenakron vetustum (Atl)

Cyclopterus lumpus Linnaeus lumpfish

Mastigophora

Cryptobia dahli (Atl)

Myxozoa

Myxidium inflatum (Atl)

Nematoda

Anisakis simplex larva (Atl)

Pseudoterranova decipiens larva (Atl)

Copepoda

Lernaeocera branchialis (Atl)

Eumicrotremus spinosus (Müller) Atlantic spiny lumpsucker

Apicomplexa

Haemohormidium terraenovae (E Arc)

Haemohormidium sp. (Atl)

Mastigophora

Trypanosoma murmanensis (Atl, E Arc)

Nematoda

Pseudoterranova decipiens larva (Atl)

Liparis atlanticus (Jordan and Evermann) Atlantic snailfish

Remarks: Robins et al. (1991) listed the common name of this fish as "Atlantic seasnail".

Myxozoa

Myxidium sphaericum (Atl)

Liparis coheni Able

Gulf snailfish

Cestoidea

Spathebothrium simplex (Atl)

Liparis dennyi Jordan and Starks

Marbled snailfish

Nematoda

Ascarophis filiformis (Pac)

Liparis gibbus Bean

Dusky snailfish

Syn.: *Liparis cyclostigma* Gilbert

Remarks: Robins et al. (1991) listed the common name for this fish as "variegated snailfish". Margolis and Arthur (1979) listed a previous Canadian parasite record from this fish under the name *Liparis cyclostigma*.

Mastigophora

Trypanosoma sp. (Atl)

Annelida

Johanssonia arctica (Atl)

Liparis sp.

Mastigophora

Trypanosoma murmanensis (E Arc, Atl)

Annelida

Johanssonia arctica (Atl)

ORDER PERCIFORMES

SUBORDER PERCOIDEI

Family PERCICHTHYIDAE

Morone americana (Gmelin)

White perch

Ciliophora

Trichodina sp. (Ont)

Scyphidia sp. (Ont)

Trematoda

Diplostomum spathaceum huronense metacercaria (Ont)

Posthodiplostomum minimum metacercaria (Ont)

Tetracotyle sp. metacercaria (Ont)

Tylodelphys scheuringi metacercaria (Ont)

Monogenea

Gyrodactylus sp. (Ont)

Onchocleidus mimus (Ont)
Pauciconfibula subsolana (NB)

Cestoidea
Proteocephalus ambloplitis plerocercoid (Ont)
Triaenophorus nodulosus plerocercoid (Ont)

Nematoda
Cucullanellus cotylophora (Ont)
Eustrongylides tubifex larva (Ont)
Hysterothylacium sp. (Ont)
Spinitectus carolini (Ont)

Acanthocephala
Leptorhynchoides thecatus (Ont)
*Neoechinorhynchus cylindratu*s (Ont)

Morone chrysops (Rafinesque) white bass

Ciliophora
Capriniana piscium (Ont)
Capriniana sp. (Ont)
Ichthyophthirius multifiliis (Ont)
Trichodina sp. (Ont)

Trematoda
Allacanthochoasmus artus (Ont)
Allacanthochoasmus varius (Ont)
Bucephalus sp. (Ont)
Clinostomum complanatum metacercaria (Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Ont)
Leucoruthrus micropteri (Ont)
Neochasmus umbellus (Ont)
Tetracotyle sp. metacercaria (Ont)

Monogenea
Onchocleidus chrysops (Ont)
Onchocleidus mimus (Ont)

Cestoidea
Bothriocephalus cuspidatus (Ont)
Bothriocephalus sp. (Ont)
Proteocephalus ambloplitis plerocercoid (Ont)
Proteocephalus pearsei (Ont)
Proteocephalus perplexus (Ont)
Triaenophorus nodulosus plerocercoid (Ont)

Nematoda
Camallanus oxycephalus (Ont)
Cucullanellus cotylophora (Ont)
Eustrongylides tubifex larva (Ont)
Raphidascaris acus larva (Ont)
Raphidascaris sp. (Ont)
Spinitectus carolini (Ont)
Spiroxys sp. larva (Ont)

Acanthocephala
Acanthocephalus dirus (Ont)
Echinorhynchus salmonis (Ont)
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus sp. (Ont)

Mollusca
Unionidae gen.sp. glochidium (Ont)

Copepoda
Ergasilus centrarchidarum (Ont)

Ergasilus sp. (Ont)

Morone saxatilis (Walbaum) striped bass

Trematoda
Homalometron pallidum (NB)
Lepocreadium setiferoides (NB)
Stephanostomum tenue (NB)

Nematoda
Philometra rubra (NB)

Acanthocephala
Echinorhynchus gadi (NB)
Neoechinorhynchus rutili (NB)

Copepoda
Ergasilus labracis (NB, NS, Atl)

Family CENTRARCHIDAE

Ambloplites rupestris (Rafinesque) rock bass

Ciliophora
Trichodina sp. (Ont)

Myxozoa
Myxobolus sp. (Ont)

Trematoda
Clinostomum complanatum metacercaria (Ont)
Clinostomum sp. metacercaria (Man)
Crepidostomum cooperi (Ont)
Crepidostomum cornutum (Ont)
Cryptogonimus chili (Ont)
Diplostomum spathaceum metacercaria (Ont)
Neascus sp. metacercaria (Ont)
Phyllodistomum lohrenzi (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Proterometra macrostoma (Ont)
Strigeidae gen.sp. metacercaria (Ont)
Tetracotyle sp. metacercaria (Ont)
Uvulifer ambloplitis metacercaria (Ont)

Monogenea
Cleidodiscus alatus (Ont)
Gyrodactylus goerani (Ont)
Lyrodiscus minimus (Ont)
Lyrodiscus rupestris (Ont)
Onchocleidus chautauquensis (Ont)
Tetracleidus glenorensis (Ont)
Tetracleidus stentor (Ont)
"Urocleidus" *alatus* (Ont)

Cestoidea
Bothriocephalus claviceps (Ont)
Proteocephalus ambloplites plerocercoid (Ont)
Proteocephalus ambloplites adult (Ont)
Proteocephalus pearsei (Ont)
Proteocephalus sp. (Ont)

Nematoda
Camallanus oxycephalus (Ont)
Contracaecum sp. (Ont)
Eustrongylides tubifex larva (Ont)
Hysterothylacium brachyurum larva (Ont)
Hysterothylacium brachyurum adult (Ont)

- Raphidascaris acus* larva (Ont)
Rhabdochona rotundicaudatum (Ont)
Rhabdochona sp. (Ont)
Spinitectus carolini (Ont)
Spinitectus gracilis (Ont)
Spiroxys sp. larva (Ont)
- Acanthocephala
- Echinorhynchus salmionis* (Ont)
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus cylindratus (Ont)
Pomphorhynchus bulbocolli (Ont)
- Annelida
- Myzobdella lugubris* (Ont)
Piscicola sp. (Ont)
- Mollusca
- Lampsilis radiata* glochidium (Ont)
 Unionidae gen.sp. glochidium (Ont)
- Copepoda
- Achtheres pimelodi* (Ont)
Ergasilus caeruleus (Ont, Lab)
Ergasilus centrarchidarum (Ont)
Lernaea cruciata (Que)
- Lepomis gibbosus* (Linnaeus) pumpkinseed
- Apicomplexa
- Eimeria esoci* (Ont)
Eimeria patersoni (Ont)
Goussia laureleus (Ont)
- Ciliophora
- Ichthyophthirius multifiliis* (Ont)
Trichodina tunefaciens (Ont)
Trichodina sp. (Ont)
- Myxozoa
- Chloromyxum trijugum* (Ont)
Henneguya brachyura (Ont)
Myxobilatus cotti (Ont)
Myxobolus cyprinicola (Ont)
Myxobolus lepomicus (Ont)
Myxobolus lii (Ont)
Myxobolus osburni (Ont)
Myxobolus paralintoni (Ont)
Myxobolus poecilichthidis (Ont)
Myxobolus sp. (Ont)
Sphaerospora diminuta (Ont)
- Trematoda
- Clinostomum complanatum* metacercaria (Ont)
Crepidostomum cooperi (Ont)
Crepidostomum cornutum (Ont)
Diplostomum spathaceum metacercaria (Ont)
Proterometra macrostoma (Ont)
Neascus sp. metacercaria (Ont)
Posthodiplostomum minimum metacercaria (Ont)
Posthodiplostomum minimum centrarchi
 metacercaria (Ont)
Tetracotyle sp. metacercaria (Ont)
Tylodelphys scheuringi metacercaria (Ont)
- Uvulifer ambloplitis* metacercaria (Ont)
- Monogenea
- Actinocleidus gibbosus* (Ont)
Actinocleidus oculatus (Ont)
Actinocleidus recurvatus (Ont, NB)
Cleidodiscus robustus (Ont)
Gyrodactylus macrochiri (Ont)
Gyrodactylus sp. (Ont)
Lyrodiscus longibasus (Ont)
Lyrodiscus seminolensis (Ont)
Onchocleidus acer (Ont)
Onchocleidus attenuatus (Ont)
Onchocleidus dispar (Ont)
Onchocleidus ferox (Ont)
Onchocleidus furcatus (Ont)
Onchocleidus similis (Ont, NB)
- Cestoidea
- Bothriocephalus* sp. (Ont)
Dilepis sp. cysticercoid (Ont)
Paradilepis sp. cysticercoid (Ont)
Proteocephalus ambloplitis plerocercoid (Ont)
Proteocephalus pearsei (Ont)
Proteocephalus sp. (Ont)
Triaenophorus nodulosus plerocercoid (Ont)
- Nematoda
- Camallanus oxycephalus* (Ont)
Cucullanellus cotylophora (Ont)
Diectophyma renale larva (Ont)
Eustrongylides tubifex larva (Ont)
Hysterothylacium analarum (Ont)
Hysterothylacium brachyurum adult (Ont)
 Nematoda gen.sp. (NB)
Raphidascaris acus larva (Ont)
Spinitectus carolini (Ont)
- Acanthocephala
- Echinorhynchus salmionis* (Ont)
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus cylindratus (Ont)
Pomphorhynchus bulbocolli (Ont)
- Annelida
- Myzobdella lugubris* (Ont)
- Mollusca
- Lampsilis radiata* glochidium (Ont)
 Unionidae gen.sp. glochidium (Ont)
- Branchiura
- Argulus catostomi* (Ont)
- Copepoda
- Achtheres pimelodi* (Ont)
Ergasilus caeruleus (Ont, Lab)
Ergasilus centrarchidarum (Ont)
Lernaea cruciata (Que)
- Lepomis macrochirus* Rafinesque bluegill
- Trematoda
- Bunodera sacculata* (Ont)
Clinostomum complanatum metacercaria (Ont)
Crepidostomum cornutum (Ont)

- Posthodiplostomum minimum centrarchi*
metacercaria (Ont)
- Tetracotyle* sp. metacercaria (Ont)
- Monogenea
- Actinocleidus brevicirrus* (Ont)
- Actinocleidus* sp. (Ont)
- Anchoradiscus triangularis* (Ont)
- Cleidodiscus robustus* (Ont)
- Cleidodiscus venardi* (Ont)
- Gyrodactylus macrochiri* (Ont)
- Lyrodiscus seminolensis* (Ont)
- Onchocleidus ferox* (Ont)
- Cestoidea
- Proteocephalus ambloplitis* plerocercoid (Ont)
- Proteocephalus pearsei* (Ont)
- Proteocephalus* sp. (Ont)
- Triaenophorus nodulosus* plerocercoid (Ont)
- Nematoda
- Camallanus oxycephalus* (Ont)
- Hysterothylacium* sp. (Ont)
- Spinitectus carolini* (Ont)
- Acanthocephala
- Echinorhynchus salmonis* (Ont)
- Mollusca
- Unionidae gen.sp. glochidium (Ont)
- Copepoda
- Ergasilus caeruleum* (Ont)
- Micropterus dolomieu* Lacépède smallmouth bass
- Ciliophora
- Apiosoma micropteri* (Ont)
- Myxozoa
- Myxobolus inornatus* (Ont)
- Trematoda
- Apophallus brevis* metacercaria (Ont)
- Azygia angusticauda* (Ont)
- Bucephalus* sp. (Ont)
- Clinostomum complanatum* metacercaria (Ont)
- Clinostomum* sp. metacercaria (Man)
- Crepidostomum cooperi* (Ont)
- Crepidostomum cornutum* (Ont)
- Crepidostomum* sp. (Ont)
- Cryptogonimus chili* (Ont)
- Diplostomum spathaceum* metacercaria (Ont)
- Neochasmus umbellus* (Ont)
- Phyllodistomum lohrenzi* (Ont)
- Posthodiplostomum minimum* metacercaria (Ont)
- Posthodiplostomum minimum centrarchi*
metacercaria (Ont)
- Strigeidae gen.sp. metacercaria (Ont)
- Tetracotyle* sp. metacercaria (Ont)
- Uvulifer ambloplitis* metacercaria (Ont)
- Monogenea
- Acolpenteron ureteroecetes* (Ont)
- Clavunculus bursatus* (Ont)
- Cleidodiscus megalonchus* (Ont)
- Gyrodactylus macrochiri* (Ont)
- Gyrodactylus micropteri* (Ont)
- Leptocleidus megalonchus* (Ont)
- Onchocleidus dispar* (Ont, NB)
- Onchocleidus ferox* (Ont)
- Onchocleidus helicis* (Ont)
- Onchocleidus principalis* (Ont)
- Syncleithrium fusiformis* (Ont)
- Tetracleidus banghami* (Ont)
- Cestoidea
- Proteocephalus ambloplitis* plerocercoid (Ont)
- Proteocephalus ambloplitis* adult (Ont)
- Proteocephalus fluviatilis* (Ont)
- Proteocephalus pearsei* (Ont)
- Proteocephalus* sp. (Ont)
- Triaenophorus nodulosus* plerocercoid (Ont)
- Nematoda
- Camallanus oxycephalus* (Ont)
- Contracaecum* sp. (Ont)
- Cucullanellus cotylophora* (Ont)
- Eustrongylides tubifex* larva (Ont)
- Hysterothylacium brachyurum* adult (Ont)
- Raphidascaris acus* adult (Ont)
- Spinitectus carolini* (Ont)
- Spiroxys* sp. larva (Ont)
- Acanthocephala
- Echinorhynchus salmonis* (Ont)
- Leptorhynchoides thecatus* (Ont)
- Neoechinorhynchus cylindratus* (Ont)
- Pomphorhynchus bulbocolli* (Ont)
- Annelida
- Myzobdella lugubris* (Ont)
- Piscicola* sp. (Ont)
- Mollusca
- Unionidae gen.sp. glochidium (Ont)
- Copepoda
- Achtheres pimelodi* (Ont)
- Ergasilus caeruleus* (Ont)
- Ergasilus centrarchidarum* (Ont)
- Micropterus salmoides* (Lacépède) largemouth bass
- Ciliophora
- Apiosoma micropteri* (Ont)
- Myxozoa
- Myxobolus* sp. (Ont)
- Trematoda
- Azygia angusticauda* (Ont)
- Clinostomum complanatum* metacercaria (Ont)
- Crepidostomum cornutum* (Ont)
- Diplostomum spathaceum* metacercaria (Ont)
- Diplostomum* sp. metacercaria (Sask)
- Leucorhynchus micropteri* (Ont)
- Neascus* sp. metacercaria (Ont)
- Tetracotyle* sp. metacercaria (Ont)
- Monogenea
- Actinocleidus* sp. (Ont)
- Gyrodactylus macrochiri* (Ont)
- Onchocleidus furcatus* (Ont)
- Syncleithrium fusiformis* (Ont)

Cestoidea		
<i>Proteocephalus ambloplitis</i> plerocercoid (Ont)		
<i>Proteocephalus ambloplitis</i> adult (Sask, Ont)		
<i>Proteocephalus fluviatilis</i> (Ont)		
<i>Proteocephalus pearsei</i> (Ont)		
<i>Proteocephalus</i> sp. (Ont)		
Nematoda		
<i>Contracaecum</i> sp. (Sask)		
<i>Philometra</i> sp. (Ont)		
<i>Spinitectus carolini</i> (Ont)		
Acanthocephala		
<i>Leptorhynchoides thecatus</i> (Ont)		
<i>Neoechinorhynchus cylindricus</i> (Ont)		
<i>Pomphorhynchus bulbocolli</i> (Sask)		
Annelida		
<i>Desserobdella phalera</i> (Ont)		
Copepoda		
<i>Achtheres pimelodi</i> (Ont)		
<i>Ergasilus centrarchidarum</i> (Ont)		
<i>Pomoxis nigromaculatus</i> (Le Sueur)	black crappie	
Ciliophora		
<i>Trichodina</i> sp. (Ont)		
Myxozoa		
<i>Myxobolus</i> sp. (Ont)		
Trematoda		
<i>Clinostomum complanatum</i> metacercaria (Ont)		
<i>Diplostomum spathaceum</i> metacercaria (Ont)		
<i>Posthodiplostomum minimum</i> metacercaria (Ont)		
<i>Tetracotyle</i> sp. metacercaria (Ont)		
Monogenea		
<i>Gyrodactylus</i> sp. (Ont)		
<i>Lyrodiscus longibasus</i> (Ont)		
<i>Tetracleidus capax</i> (Ont)		
<i>Tetracleidus longus</i> (Ont)		
<i>Tetracleidus stentor</i> (Ont)		
Cestoidea		
<i>Proteocephalus pearsei</i> (Ont)		
<i>Proteocephalus</i> sp. (Ont)		
Nematoda		
<i>Camallanus oxycephalus</i> (Ont)		
<i>Spinitectus carolini</i> (Ont)		
<i>Spinitectus gracilis</i> (Ont)		
Acanthocephala		
<i>Leptorhynchoides thecatus</i> (Ont)		
<i>Neoechinorhynchus cylindricus</i> (Ont)		
Annelida		
<i>Myzobdella lugubris</i> (Ont)		
Copepoda		
<i>Ergasilus caeruleus</i> (Ont)		
Family PERCIDAE		
<i>Etheostoma caeruleum</i> Storer	rainbow darter	
Mastigophora		
<i>Trypanosoma danilewskyi</i> (exper)		
Trematoda		
<i>Diplostomum spathaceum</i> metacercaria (Ont)		
<i>Neascus</i> sp. metacercaria (Ont)		
Monogenea		
<i>Aethycteron caerulei</i> (Ont)		
<i>Aethycteron</i> sp. (Ont)		
Nematoda		
<i>Raphidascaris acus</i> larva (exper)		
<i>Rhabdochona rotundicaudatum</i> (Ont)		
<i>Rhabdochona</i> sp. (Ont)		
<i>Etheostoma exile</i> (Girard)	Iowa darter	
Trematoda		
<i>Apophallus brevis</i> metacercaria (Ont)		
<i>Diplostomum spathaceum</i> metacercaria (Ont)		
<i>Tetracotyle</i> sp. metacercaria (Ont)		
Monogenea		
<i>Aethycteron</i> sp. (Ont)		
<i>Dactylogyrus</i> sp. (Ont)		
<i>Gyrodactylus</i> sp. (Ont)		
Nematoda		
<i>Camallanus oxycephalus</i> (Ont)		
<i>Raphidascaris acus</i> larva (Ont)		
<i>Rhabdochona</i> sp. (Ont)		
<i>Etheostoma flabellare</i> Rafinesque	fantail darter	
Trematoda		
<i>Neascus</i> sp. metacercaria (Ont)		
Monogenea		
<i>Aethycteron moorei</i> (Ont)		
<i>Etheostoma microperca</i> Jordan and Gilbert	least darter	
Monogenea		
<i>Aethycteron micropercae</i> (Ont)		
<i>Etheostoma nigrum</i> Rafinesque	johnny darter	
Trematoda		
<i>Apophallus brevis</i> metacercaria (Ont)		
<i>Crepidostomum isostomum</i> (Ont)		
<i>Diplostomum spathaceum</i> metacercaria (Ont)		
<i>Neascus</i> sp. metacercaria (Ont)		
<i>Posthodiplostomum minimum</i> metacercaria (Ont)		
<i>Tetracotyle</i> sp. metacercaria (Ont)		
Monogenea		
<i>Aethycteron hargisi</i> (Ont)		
<i>Aethycteron nigrei</i> (Ont)		
<i>Gyrodactylus etheostomae</i> (Ont)		
<i>Gyrodactylus stunkardi</i> (Ont)		
Cestoidea		
<i>Bothriocephalus formosus</i> (Ont)		
<i>Ligula intestinalis</i> plerocercoid (Ont)		
Nematoda		
<i>Raphidascaris acus</i> larva (exper)		
Acanthocephala		
<i>Leptorhynchoides thecatus</i> (Ont)		
<i>Pomphorhynchus bulbocolli</i> (Ont)		
<i>Perca flavescens</i> (Mitchill)	yellow perch	
Apicomplexa		

- Goussia laureleus* (Ont)
- Ciliophora
- Apiosoma megamicronucleatum* (Ont)
- Apiosoma triangularis* (Ont)
- Ichthyophthirius multifiliis* (Ont)
- Trichodina oviformis* (Ont)
- Trichodina rectangli* (Ont)
- Trichodina tunefaciens* (Ont)
- Trichodina urinaria* (Ont)
- Trichodina* sp. (Ont)
- Trichodinella symmetrica* (Ont)
- Myxozoa
- Henneguya doori* (Ont, NB, NS)
- Myxidium* sp. (Ont)
- Myxobolus aureatus* (Ont)
- Myxobolus scleroperca* (Ont)
- Myxobolus* sp. (Ont)
- Trematoda
- Aphallus brevis* metacercaria (Sask, Man, Ont, NB, exper)
- Aphallus* sp. metacercaria (Ont)
- Azygia angusticauda* (Ont)
- Azygia longa* (Man, Ont)
- Bunodera luciopercae* (Ont)
- Bunodera sacculata* (Man, Ont)
- Caecincola* sp. metacercaria (Man)
- Centrovarium lobotes* (Man, Ont)
- Centrovarium lobotes* metacercaria (Ont)
- Clinostomum complanatum* metacercaria (Man, Ont)
- Clinostomum* sp. metacercaria (Man, NB)
- Crassiphiala bulboglossa* metacercaria (Ont)
- Crepidostomum cooperi* (Man, Ont)
- Crepidostomum cornutum* (Ont)
- Crepidostomum farionis* (Man)
- Crepidostomum* sp. (Ont)
- Creptotrema funduli* (Man)
- Diplostomum spathaceum* metacercaria (Ont)
- Diplostomum spathaceum huronense* metacercaria (Ont)
- Diplostomum spathaceum indistinctum* metacercaria (Ont)
- Diplostomum* sp. metacercaria (Alta, Man)
- Ichthyocotylurus pileatus* metacercaria (Ont)
- Lissorhis kritskyi* (Man)
- Metorchis conjunctus* metacercaria (Man)
- Ornithodiplostomum pychocheilus* metacercaria (Man)
- Phyllodistomum superbum* (Ont)
- Phyllodistomum* sp. (Ont)
- Prosorhynchoides pusilla* (Man)
- Rhipidocotyle papillosa* (Man)
- Sanguinicola occidentalis* (Ont)
- Strigeidae gen.sp. metacercaria (NB)
- Tetracotyle* sp. metacercaria (Alta, Man, Ont)
- Monogenea
- Gyrodactylus freemani* (Ont)
- Monogenea gen.sp. (Alta)
- Urocleidus aculeatus* (Ont)
- Urocleidus adspectus* (Man, Ont, NB)
- Cestoidea
- Bothriocephalus cuspidatus* (Man, Ont)
- Bothriocephalus* sp. (Man)
- Cyathocephalus truncatus* (NWT, Ont, Que)
- Diphyllobothrium latum* plerocercoid (Man)
- Ligula intestinalis* plerocercoid (Man, Ont)
- Proteocephalus ambloplitis* plerocercoid (Ont)
- Proteocephalus pearsei* (Man, Ont)
- Proteocephalus pinguis* (Ont)
- Proteocephalus* sp. (Alta, Man, Ont)
- Schistocephalus solidus* plerocercoid (Man)
- Schistocephalus* sp. plerocercoid (Alta)
- Triaenophorus nodulosus* plerocercoid (Man, Ont)
- Nematoda
- Camallanus oxycephalus* (Ont)
- Contracaecum* sp. (Man)
- Cucullanellus cotylophora* (Ont, Que)
- Cucullanus* sp. (Ont)
- Eustrongylides tubifex* larva (Ont)
- Hysterothylacium brachyurum* larva (Ont)
- Hysterothylacium brachyurum* adult (Ont)
- Nematoda gen.sp. (Ont)
- Philometra cylindracea* (Ont)
- Raphidascaris acus* larva (Man, Ont, exper)
- Raphidascaris acus* adult (Alta, Man, Ont)
- Raphidascaris* sp. (Man, Ont)
- Rhabdochona ovifilamenta* (Ont)
- Rhabdochona* sp. (Ont)
- Spinitectus carolini* (Ont)
- Spinitectus gracilis* (Man, Ont)
- Spinitectus* sp. (Man)
- Acanthocephala
- Acanthocephalus dirus* (Ont)
- Echinorhynchus salmonis* (Ont)
- Leptorhynchoides thecatus* (Ont)
- Neoechinorhynchus cylindratus* (Man)
- Neoechinorhynchus pungitius* (Ont)
- Neoechinorhynchus rutili* (Man, Ont)
- Neoechinorhynchus tenellus* (Ont)
- Pomphorhynchus bulbocolli* (Man, Ont)
- Annelida
- Desserobdella phalera* (exper)
- Myzobdella lugubris* (Man, Ont)
- Piscicola geometra* (Sask)
- Piscicola punctata* (Ont)
- Placobdella montifera* (Man)
- Mollusca
- Anodonta grandis simpsoniana* glochidium (Alta)
- Unionidae gen.sp. glochidium (Man, Ont)
- Copepoda
- Achtheres pimelodi* (Ont)
- Ergasilus caeruleus* (Ont)
- Ergasilus luciopercarum* (Man, Ont)
- Ergasilus* sp. (Man)

- Percina caprodes* (Rafinesque) logperch
 Myxozoa
Myxobolus scleroperca (Ont)
 Trematoda
Tyloodelphys scheuringi metacercaria (Ont)
 Monogenea
Aethycteron malleus (Ont)
Gyrodactylus sp. (Ont)
 Cestoidea
Proteocephalus pearsei (Ont)
 Nematoda
Camallanus oxycephalus (Ont)
 Acanthocephala
Pomphorhynchus bulbocolli (Ont)
 Annelida
Myzobdella lugubris (Man, Ont)
Piscicola reducta (Ont)
- Percina maculata* (Girard) blackside darter
 Monogenea
Aethycteron malleus (Ont)
- Stizostedion canadense* (Smith) sauger
 Cestoidea
Diphyllobothrium latum plerocercoid (Man)
 Copepoda
Ergasilus luciopercarum (Man)
- Stizostedion vitreum vitreum* (Mitchill) yellow walleye
 Remarks: According to McAllister (1990), two subspecies of *Stizostedion vitreum*, namely *S. v. glaucum* Hubbs (blue pike) and *S. v. vitreum* (Mitchill) (yellow walleye) occurred in Canada in the past. However, *S. v. glaucum* is now regarded as extinct so the subspecific distinction for *Stizostedion vitreum* is no longer necessary. Robins et al. (1991) listed this fish as *Stizostedion vitreum* with the common name "walleye". Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under both the names *S. v. glaucum* and *S. v. vitreum*.
- Myxozoa
Myxobolus sp. (Ont)
 Undetermined Protozoa
 Protozoa gen.sp. (Alta)
 Trematoda
Azygia angusticauda (Ont)
Bucephalus sp. (Ont)
Bunodera sacculata (Man)
Centrovarium lobotes (Man, Ont)
Centrovarium lobotes metacercaria (Ont)
Clinostomum complanatum metacercaria (Man, Ont)
Clinostomum sp. metacercaria (Man)
Crassiphiala bulboglossa metacercaria (Ont)
Crepidostomum sp. (Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Man)
Ichthyocotylurus pileatus metacercaria (Ont)
- Ornithodiplostomum ptychocheilus* metacercaria (Man)
Prosorhynchoides pusilla (Man, Ont)
Rhipidocotyle papillosa (Man)
Sanguinicola occidentalis (Ont)
Tetracotyle sp. metacercaria (Alta, Ont)
Uvulifer ambloplitis metacercaria (Ont)
- Monogenea
Cleidodiscus sp. (Ont)
Tetraonchus sp. (Alta)
Urocleidus aculeatus (Man, Ont)
- Cestoidea
Bothriocephalus cuspidatus (Alta, Man, Ont)
Bothriocephalus sp. (Alta)
Cyathocephalus sp. (Alta)
Diphyllobothrium latum plerocercoid (Alta, Sask, Man)
Diphyllobothrium sp. plerocercoid (Alta, Man)
Eubothrium sp. (Man)
Proteocephalus luciopercae (Sask, Man, Ont)
Proteocephalus pearsei (Ont)
Proteocephalus pinguis (Ont)
Proteocephalus stizostethi (Ont)
Proteocephalus sp. (Alta, Ont)
Triaenophorus crassus plerocercoid (Ont)
Triaenophorus nodulosus plerocercoid (Man, Ont)
Triaenophorus stizostedionis adult (Alta, Sask, Man, Ont)
Triaenophorus sp. adult (Alta, Man)
- Nematoda
Canallanus oxycephalus (Ont)
Cucullanellus cotylophora (Ont)
Eustrongylides tubifex larva (Ont)
Hysterothylacium brachyurum larva (Ont)
Hysterothylacium brachyurum adult (Ont)
 Nematoda gen.sp. (Alta)
Raphidascaris acus larva (Man)
Raphidascaris acus adult (Man, Que)
Raphidascaris sp. (Man, Ont)
Rhabdochona sp. (Ont)
Spinitectus gracilis (Ont)
Spinitectus sp. (Man)
- Acanthocephala
Echinorhynchus salmonis (Alta, Ont)
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus cylindratus (Man, Ont)
Neoechinorhynchus rutili (Ont)
Neoechinorhynchus strigosus (Man)
Neoechinorhynchus tenellus (Ont)
Neoechinorhynchus sp. (Man)
Pomphorhynchus sp. (Man)
- Annelida
Desserobdella phalera (exper)
Myzobdella lugubris (Alta, Man, Ont)
Percymoorensis marinorata (Sask)
Piscicola geonetra (Sask)
Piscicola punctata (Sask)

Piscicola sp. (Ont)
Placobdella montifera (Man)
Mollusca
Unionidae gen.sp. glochidium (Ont)
Branchiura
Argulus appendiculosus (Man, Ont)
Argulus stizostelii (Sask, Man)
Copepoda
Ergasilus caeruleus (Ont)
Ergasilus luciopercarum (Man, Ont, Que)
Ergasilus sp. (Man)

Stizostedion sp.
Cestoidea
Proteocephalus luciopercae (Man)

Family MALACANTHIDAE

Caulolatilus princeps (Jenyns) ocean whitefish
Myxozoa
Kudoa sp. (Pac)

Family BRAMIDAE

Brama japonica Hilgendorf Pacific pomfret
Copepoda
Hatschekia conifera (Pac)

Family SCIAENIDAE

Aplodinotus grunniens Rafinesque freshwater drum
Ciliophora
Ichthyophthirius multifiliis (Ont)
Trematoda
Clinostomum complanatum metacercaria (Ont)
Cotylogaster occidentalis (Ont)
Diplostomum spathaceum metacercaria (Ont)
Diplostomum sp. metacercaria (Ont)
Homalometron armatum (Ont)
Microcreadium parvum (Ont)
Phyllodistomum fausti (Ont)
Sanguinicola sp. (Ont)
Tetracotyle sp. metacercaria (Ont)
Monogenea
Lintaxine cokeri (Ont)
Microcotyle eriensis (Ont)
Microcotyle spinicirrus (Ont)
Cestoidea
Bothriocephalus sp. (Ont)
Proteocephalus pearsei (Ont)
Proteocephalus sp. (Ont)
Nematoda
Camallanus oxycephalus (Ont)
Cucullanellus cotylophora (Ont)
Eustrongylides tubifex larva (Ont)
Nematoda gen.sp. (Ont)
Philometra sp. (Ont)

Acanthocephala
Leptorhynchoides thecatus (Ont)
Neoechinorhynchus sp. (Ont)
Pomphorhynchus bulbocollis (Ont)
Annelida
Macrobodella decora (Ont)
Mollusca
Unionidae gen.sp. glochidium (Ont)

Genyonemus lineatus (Ayres) white croaker
Myxozoa
Kudoa sp. (Pac)

Leiostomus xanthurus (Lacépède) spot
Remarks: McAllister (1990) did not list this fish as occurring in Canadian waters.
Apicomplexa
Haemogregarina sp. (Atl)
Haemohormidium terraenovae (Atl)

Family EMBIOTOCIDAE

Cymatogaster aggregata Gibbons shiner perch
Cestoidea
Monorygma sp. plerocercoid (Pac)
Nematoda
Cucullanellus kanabus (Pac)
Acanthocephala
Corynosoma sp. juvenile (Pac)
Branchiura
Argulus borealis (Pac)
Copepoda
Bomolochus cuneatus (Pac)
Ergasilus turgidus (Pac)
Holobomolochus sp. (Pac)

Embiotoca lateralis Agassiz striped seaperch
Monogenea
Gyrodactylus aggregata (Pac)

Rhacochilus vacca (Girard) pile perch
Copepoda
Bomolochus cuneatus (Pac)
Clavella parva (Pac)
Holobomolochus occultus (Pac)

SUBORDER LABROIDEI

Family LABRIDAE

Tautoglabrus adspersus (Walbaum) cunner
Monogenea
Gyrodactylus adspersi (Atl)

SUBORDER ZOARCOIDEI
Family ZOARCIDAE

Lycenchelys paxillus (Goode and Bean) common wolf eel
Copepoda
Clavella adunca (Atl)

Lycodes esmarki Collett greater eelpout
Myxozoa
Schulmania ovale (Atl)
Trematoda
Gonocerca sp. (Atl)
Nematoda
Hysterothylacium sp. (Atl)

Lycodes lavalaei Vladykov and Trembley Laval eelpout
Remarks: Robins et al. (1991) listed the common name for this fish as "Newfoundland eelpout".

Apicomplexa
Cyrtilia uncinata (Atl, E Arc)
Dactylosoma beckeri (Atl, E Arc)
Haemohormidium sp. (Atl)
Mastigophora
Cryptobia sp. (Atl, E Arc)
Trypanosoma murmanensis (Atl, E Arc)
Trypanosoma sp. (Atl)
Myxozoa
Myxidium sphaericum (Atl)
Undetermined Protozoa
Protozoa gen.sp. (Atl)
Nematoda
Ichthyofilaria canadensis (Atl)
Annelida
Calliobdella nodulifera (Atl, E Arc)
Hirudinea gen.sp. (Atl)
Johanssonia arctica (Atl, exper)
Platybdella olriki (Atl)
Copepoda
Diocus frigidus (Atl)

Lycodes polaris (Sabine) polar eelpout
Remarks: Robins et al. (1991) listed the common name for this fish as "Canadian eelpout".
Copepoda
Clavella stichaei (W Arc)

Lycodes reticulatus Reinhardt Arctic eelpout
Trematoda
Derogenes varicus (Atl)
Helicometra plovornini (Atl)
Lecithaster gibbosus (Atl)
Lepidophyllum appyi (Atl)
Lepidophyllum steenstrupi (Atl)
Progonus muelleri (Atl)
Annelida
Platybdella olriki (Atl)

Lycodes vahli Reinhardt checker eelpout
Apicomplexa

Cyrtilia uncinata (Atl, E Arc)
Dactylosomun beckeri (Atl)
Haemohormidium sp. (Atl)

Mastigophora
Cryptobia sp. (Atl, E Arc)
Trypanosoma murmanensis (Atl, E Arc)
Trypanosoma sp. (Atl)

Myxozoa
Myxidium sphaericum (Atl)

Trematoda
Derogenes varicus (Atl)
Genolinea laticauda (Atl)
Helicometra plovornini (Atl)
Lecithaster gibbosus (Atl)
Lepidapedon rachion (Atl)
Lepidophyllum appyi (Atl)
Lepidophyllum steenstrupi (Atl)
Neophasis oculatus (Atl)
Progonus muelleri (Atl)
Stenakron vetustum (Atl)
Steringotrema ovacutum (Atl)

Nematoda
Ichthyofilaria canadensis (Atl)
Pseudoterranova decipiens larva (Atl)

Annelida
Calliobdella nodulifera (Atl, E Arc)
Johanssonia arctica (exper)
Platybdella olriki (Atl)

Copepoda
Diocus frigidus (Atl)

Lycodes sp.
Myxozoa
Myxidium sphaericum (Atl)
Annelida
Platybdella olriki (Atl)

Lycodonus mirabilis Goode and Bean chevron scuteput
Remarks: This fish was not listed in the checklist by Robins et al. (1991).

Trematoda
Gonocerca sp. (Atl)
Nematoda
Hysterothylacium sp. (Atl)
Acanthocephala
Echinorhynchus sp. (Atl)

Macrozoarces americanus (Schneider) ocean pout
Apicomplexa
Dactylosoma beckeri (Atl)
Haemogregarina mavori (Atl)
Haemohormidium sp. (Atl)
Myxozoa
Ceratomyxa acadensis (Atl)
Ceratomyxa longispina (Atl)
Myxidium incurvatum (Atl)

Myxidium oviforme (Atl)
 Trematoda
Lepidophyllum appyi (Atl)
 Nematoda
Ascarophis arctica (Atl)
Pseudoterranova decipiens larva (Atl)
 Annelida
Johanssonia arctica (exper)
Oceanobdella sexoculata (Atl)
 Copepoda
Clavellodes rugosa (Atl)
 Amphipoda
Lafystius sturionis (Atl)

Family STICHAEIDAE

Lumpenus lumpretaeformis (Walbaum) snakeblenny
 Ciliophora
 Trichodinidae gen.sp. (Atl)
 Trematoda
Helicometra insolita (Atl)
Progonus muelleri (Atl)
Stenakron vetustum (Atl)

Family PHOLIDAE

Pholis gunnellus (Linnaeus) rock gunnel
 Nematoda
Ascarophis arctica (Atl)

Family ANARHICHADIDAE

Anarhichas denticulatus Krøyer northern wolffish
 Apicomplexa
Haemogregarina anarhichadis (Atl)
Haemogregarina sp. (Atl)
Haemohormidium sp. (E Arc, Atl)
 Mastigophora
Trypanosoma murmanensis (E Arc)
Trypanosoma sp. (Atl)
 Myxozoa
Myxidium sphaericum (Atl)
 Trematoda
Derogenes varicus (Atl)
Fellodistomum fellis (Atl)
Lepidophyllum steenstrupi (Atl)
 Annelida
Johanssonia arctica (exper)
Platybdella anarrhichae (E Arc, Atl)
Anarhichas lupus Linnaeus Atlantic wolffish
 Apicomplexa
Dactylosoma beckeri (exper)
Haemogregarina anarhichadis (Atl, E Arc)

Haemohormidium terraenovae (E Arc)
Haemogregarina sp. (Atl)
Haemohormidium sp. (E Arc, Atl)
 Mastigophora
Trypanosoma murmanensis (Atl, E Arc)
Trypanosoma sp. (Atl)
 Myxozoa
Myxidium incurvatum (Atl)
Myxidium oviforme (Atl)
Myxidium sphaericum (Atl)
 Trematoda
Acanthopsolus anarhichae (Atl)
Brachyenteron pycnorganum (Atl)
Caudotestis nicolli (Atl)
Derogenes varicus (Atl)
Fellodistomum agnotus (Atl)
Fellodistomum fellis (Atl)
Genolinea laticauda (Atl)
Helicometra plovornini (Atl)
Lepidophyllum steenstrupi (Atl)
Neophasus anarrhichae (Atl)
Neophasus pusilla (Atl)
Peracreadium idoneum (Atl)
Progonus muelleri (Atl)
Steringophorus furciger (Atl)
Steringotrema ovacutum (Atl)
 Cestoidea
Scolex pleuronectis plerocercoid (Atl)
 Nematoda
Ascarophis morrhuae (Atl)
Capillaria (Procapillaria) gracilis (Atl)
Hysterothylacium aduncum (Atl)
Pseudoterranova decipiens larva (Atl)
 Annelida
Calliobdella vivida (Atl)
Johanssonia arctica (Atl, exper)
Myzobdella lugubris (Atl)
Platybdella anarrhichae (Atl, E Arc)
 Copepoda
Clavellodes rugosa (Atl)
Anarhichas minor Olafsen spotted wolffish
 Apicomplexa
Haemogregarina anarhichadis (Atl)
Haemogregarina sp. (Atl)
Haemohormidium terraenovae (E Arc)
 Mastigophora
Trypanosoma sp. (Atl)
 Myxozoa
Myxidium sphaericum (Atl)
 Trematoda
Acanthopsolus anarhichae (Atl)
Brachyenteron pycnorganum (Atl)
Fellodistomum agnotus (Atl)
Fellodistomum fellis (Atl)
Lepidophyllum steenstrupi (Atl)
Neophasis anarrhichae (Atl)

Peracreadium idoneum (Atl)
Pseudozoogonoides microacetabulum (Atl)
Steringophorus furciger (Atl)
 Cestoidea
 Pseudophyllidea gen.sp. plerocercoid (Atl)
 Annelida
 Johanssonia arctica (exper)
 Platybdella anarrhichae (Atl)
 Copepoda
 Clavellodes rugosa (Atl)

Anarrhichthys ocellatus Ayres wolf-eel
 Annelida
 Mahniana sp. (Pac)

Goussia clupearum (Atl)
Haematractidium scombri (Atl)
Haemogregarina aeglefini (Atl)
 Ciliophora
 Trichodinidae gen.sp. (Atl)
 Trematoda
 Cryptocotyle lingua metacercaria (Atl)
 Digenea gen.sp. (Atl)
 Halvorsenius exilis (Atl)
 Monogenea
 Kuhnia scombri (Atl)
 Nematoda
 Anisakis simplex larva (Atl)
 Anisakis sp. larva (Atl)
 Hysterothylacium sp. (Atl)
 Nematoda gen.sp. (Atl)

SUBORDER TRACHINOIDEI

Family AMMODYTIDAE

Ammodytes americanus DeKay American sand lance
 Remarks: McAllister (1990) provisionally considered
Ammodytes americanus a synonym of *Ammodytes*
hexapterus and proposed the new common name "stout
 sand lance", but Robins et al. (1991) retained the species
 as distinct for reasons they noted on p. 94.

Trematoda
 Derogenes varicus (Atl)

Ammodytes dubius Reinhardt northern sand lance
 Nematoda
 Anisakis simplex larva (Atl)

Ammodytes hexapterus Pallas Pacific sand lance
 Trematoda
 Galactosomum phalacrocoracis metacercaria
 (Pac)

SUBORDER SCOMBROIDEI

Family GEMPYLIDAE

Lepidocybiun flavobruneum (Smith) escolar
 Copepoda
 Pennella filosa (Atl)

Family SCOMBRIDAE

Scomber japonicus Houttuyn chub mackerel
 Syn.: *Scomber colias* Gmelin
 Monogenea
 Kuhnia scombri (Atl)

Scomber scombrus Linnaeus Atlantic mackerel
 Apicomplexa
 Eimeriorina gen.sp. (Atl)

Thunnus thynnus (Linnaeus) bluefin tuna
 Monogenea
 Nasicola hogansi (Atl)
 Copepoda
 Caligus coryphaenae (Atl)

Family XIPHIIDAE

Xiphias gladius Linnaeus swordfish
 Trematoda
 Hirudinella ventricosa (Atl)
 Opisthadena dimidia (Atl)
 Monogenea
 Tristoma coccineum (Atl)
 Tristoma integrum (Atl)
 Cestoidea
 Ceratobothrium xanthocephalum (Atl)
 Dasyrhynchus varioucinatus plerocercoid (Atl)
 Fistulicola plicatus (Atl)
 Hepatoxylon squali plerocercoid (Atl)
 Nybelinia lamontae plerocercoid (Atl)
 Phyllobothrium delphini plerocercoid (Atl)
 Scolex pleuronectis plerocercoid (Atl)
 Tentacularia coryphaenae plerocercoid (Atl)
 Nematoda
 Anisakis simplex larva (Atl)
 Hysterothylacium aduncum (Atl)
 Hysterothylacium corrugatum (Atl)
 Hysterothylacium incurvum (Atl)
 Hysterothylacium reliquens (Atl)
 Oncophora melanocephala (Atl)
 Acanthocephala
 Rhadinorhynchus pristis (Atl)
 Copepoda
 Pennella filosa (Atl)
 Pennella instructa (Atl)

SUBORDER STROMATEOIDEI

Family STROMATEIDAE

Peprilus triacanthus (Peck) butterfish
Nematoda

Anisakis simplex larva (Atl)
Pseudoterranova decipiens larva (Atl)

SUBORDER ANABANTOIDEI

Family BELONTIIDAE

Betta splendens Regan Siamese fightingfish
Remarks: This fish does not occur naturally in Canada but
has been imported for the aquarium trade.
Mastigophora
Hexamita salmoneis (Ont)

ORDER PLEURONECTIFORMES

Family BOTHIDAE

Citharichthys sordidus (Girard) Pacific sanddab
Copepoda
Lepeophtheirus nanaimoensis (Pac)
Naobranchia occidentalis (Pac)

Citharichthys stigmaeus Jordan and Gilbert speckled sanddab
Nematoda
Anisakis sp. larva (Pac)

Paralichthys dentatus (Linnaeus) summer flounder
Apicomplexa
Haemogregarina sp. (Atl)

Paralichthys oblongus (Mitchill) fourspot flounder
Apicomplexa
Haemogregarina platessae (Atl)
Mastigophora
Trypanosoma sp. (Atl)

Scophthalmus aquosus (Mitchill) windowpane
Apicomplexa
Haemogregarina sp. (Atl)
Mastigophora
Cryptobia bullocki (Atl)
Nematoda
Pseudoterranova decipiens larva (Atl)
Acanthocephala
Corynosoma wegneri juvenile (Atl)

Family PLEURONECTIDAE

Atheresthes stomias (Jordan and Gilbert) arrowtooth flounder
Myxozoa
Ceratomyxa hopkinsi (Pac)

Kudoa thyrsites (Pac)
Myxoproteus meridionalis (Pac)
Ortholinea divergens (Pac)
Uncapsula muscularis (Pac)
Zschokkella sp. (Pac)

Trematoda
Derogenes varicus (Pac)
Prosorhynchus sp. metacercaria (Pac)
Steganoderma formosum (Pac)
Stephanostomum sp. metacercaria (Pac)

Monogenea
Entobdella pugetensis (Pac)
Mamaevodictidophora pugetensis (Pac)

Cestoidea
Nybelinia surmenicola plerocercoid (Pac)
Scolex pleuronectis plerocercoid (Pac)

Nematoda
Anisakis sp. larva (Pac)
Hysterothylacium aduncum (Pac)
Pseudoterranova decipiens larva (Pac)
Pseudoterranova sp. larva (Pac)
Spirurida gen.sp. larva (Pac)

Acanthocephala
Corynosoma strumosum juvenile (Pac)
Corynosoma villosum juvenile (Pac)
Corynosoma wegneri juvenile (Pac)
Corynosoma sp. juvenile (Pac)

Copepoda
PhrEXOcephalus cincinnatus (Pac)

Eopsetta exilis (Jordan and Gilbert) slender sole
Syn.: *Lyopsetta exilis* (Jordan and Gilbert)

Remarks: Placement of the slender sole in the genus
Eopsetta follows Robins et al. (1991) for the reasons that
they gave on p. 95-96. McAllister (1990) listed this fish
as *Lyopsetta exilis*. Margolis and Arthur (1979) listed a
previous Canadian parasite record from this fish under
the name *Lyopsetta exilis*.

Trematoda
Opecoeloides vitellosus (Pac)
Parahemiurus merus (Pac)

Cestoidea
Nybelinia sp. plerocercoid (Pac)

Nematoda
Anisakis sp. larva (Pac)
ContraCaecum sp. (Pac)

Eopsetta jordani (Lockington) petrale sole

Trematoda
Lecithochirium exodicum (Pac)
Otodistomum veliporum metacercaria (Pac)
Otodistomum sp. metacercaria (Pac)
Parahemiurus merus (Pac)
Podocotyle sp. (Pac)

Monogenea
Entobdella hippoglossi (Pac)

Cestoidea
Phyllobothrium caudatum plerocercoid (Pac)

- Nematoda
Anisakis sp. larva (Pac)
Contracaecum sp. (Pac)
Hysterothylacium aduncum (Pac)
- Acanthocephala
Corynosoma strumosum juvenile (Pac)
Echinorhynchus clavula (Pac)
- Copepoda
Haemobaphes sp. (Pac)
Lepeophtheirus sp. (Pac)
- Errex zachirus* (Lockington) rex sole
 Syn.: *Glyptocephalus zachirus* Lockington
- Nematoda
Hysterothylacium aduncum (Pac)
- Copepoda
Naobranchia occidentalis (Pac)
- Glyptocephalus cynoglossus* (Linnaeus) witch flounder
 Syn.: *Pleuronectes cynoglossus* Linnaeus
- Mastigophora
Trypanosoma murmanensis (Atl)
Trypanosoma sp. (Atl)
- Myxozoa
Ceratomyxa drepanopsettae (Atl)
Leptotheca sp. (Atl, E Arc)
Myxidium sphaericum (Atl)
- Trematoda
Aporocotyle simplex (Atl)
Derogenes varicus (Atl)
Genolinea laticauda (Atl)
Lecithaster gibbosus (Atl)
Otodistomum veliporum metacercaria (Atl)
Otodistomum sp. metacercaria (Atl)
Progonus muelleri (Atl)
Stenakron vetustum (Atl)
Stenakron sp. (Atl)
Stephanostomum baccatum metacercaria (Atl)
Stringophorus furciger (Atl)
- Cestoidea
Scolex pleuronectis plerocercoid (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Ascarophis morrhuae (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)
Hysterothylacium aduncum (Atl)
 Nematoda gen.sp. (Atl)
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Echinorhynchus gadi (Atl)
Echinorhynchus laurentianus (Atl)
- Annelida
Johanssonia arctica (Atl, exper)
- Copepoda
Sphyrion lumpi (Atl)
- Hippoglossoides elassodon* Jordan and Gilbert flathead sole
- Cestoidea
Phyllobothrium sp. plerocercoid (Pac)
- Nematoda
Contracaecum sp. (Pac)
Hysterothylacium aduncum (Pac)
- Copepoda
Acanthochondria hippoglossi (Pac)
Naobranchia occidentalis (Pac)
- Hippoglossoides platessoides* (Fabricius) Canadian plaice
 Remarks: McAllister (1990) changed the common name of this fish to "Canadian plaice" for reasons he gave on p. 222. Robins et al. (1991) listed the common name for this fish as "American plaice".
- Apicomplexa
 Eimeriorina gen. sp. (Atl)
Haemohormidium terraenovae (Atl, E Arc)
Haemohormidium sp. (Atl)
- Microspora
Pleistophora hippoglossoides (Atl)
- Mastigophora
Trypanosoma murmanensis (Atl, E Arc, exper)
Trypanosoma sp. (Atl)
- Myxozoa
Ceratomyxa drepanopsettae (Atl)
Davisia anoena (Atl)
Leptotheca minima (Atl)
Leptotheca sp. (Atl, E Arc)
Myxidium bergense (Atl)
Myxidium incurvatum (Atl)
Myxidium oviforme (Atl)
Myxidium sphaericum (Atl)
Myxoproteus sp. (Atl)
 Myxosporea gen.sp. (Atl)
Ortholinea divergens (Atl)
Schulnania aenignatosa (Atl)
- Trematoda
Aporocotyle simplex (Atl)
Brachyphallus crenatus (Atl)
Derogenes varicus (Atl)
 Digenea gen.sp. (Atl)
Diptherostomum microacetabulum (Atl)
Genolinea laticauda (Atl)
Hemiurus levinseni (Atl)
Lecithaster gibbosus (Atl)
Neophasis burti (Atl)
Otodistomum veliporum metacercaria (Atl)
Podocotyle atomon (Atl)
Progonus muelleri (Atl)
Prosorhynchus squamatus (Atl)
Stenakron vetustum (Atl)
Stenakron sp. (Atl)
Sstephanostomum baccatum metacercaria (Atl)
Stringophorus furciger (Atl)
Stringotrema ovacutum (Atl)
Zoogonoides viviparus (Atl)

- Cestoidea
Grillotia erinaceus plerocercoid (Atl)
Scolex pleuronectis plerocercoid (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Ascarophis arctica (Atl)
Capillaria (Procapillaria) gracilis (Atl)
Contracaecum osculatun larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)
Hysterothylacium aduncum (Atl)
Nematoda gen.sp. (Atl)
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Corynosoma wegneri juvenile (Atl)
Echinorhynchus gadi (Atl)
Echinorhynchus laurentianus (Atl)
- Annelida
Johanssonia arctica (Atl, exper)
- Copepoda
Acanthochondria cornuta (Atl)
Lernaeocera branchialis (Atl)
- Hippoglossus hippoglossus* (Linnaeus) Atlantic halibut
- Apicomplexa
Haemohormidium terraenovae (E Arc)
- Mastigophora
Trypanosoma murrenensis (E Arc)
Trypanosoma sp. (Atl)
- Myxozoa
Ceratomyxa drepanopsettae (Atl)
Ceratomyxa ramosa (Atl)
Leptotheca simplex (E Arc)
Leptotheca sp. (Atl, E Arc)
Myxidium sphaericum (Atl)
Myxosporea gen.sp. (Atl)
- Trematoda
Anomalotrema koiae (Atl)
Brachyphallus crenatus (Atl)
Derogenes crassus (Atl)
Derogenes varicus (Atl)
Genolinea laicauda (Atl)
Gonocerca phycidis (Atl)
Hemiurus levinseni (Atl)
Lecithaster confusus (Atl)
Lecithaster gibbosus (Atl)
Lecithophyllum botryophorum (Atl)
Lepidapedon rachion (Atl)
Otodistomum veliporum metacercaria (Atl)
Paraccacladium jamiesoni (Atl)
Podocotyle atomon (Atl)
Podocotyle reflexa (Atl)
Steganoderma formosum (Atl)
Stenakron vetustum (Atl)
Stenakron sp. (Atl)
Stephanostomum buccatum (Atl)
- Steringophorus furciger* (Atl)
- Cestoidea
Bothriocephalus scorpii (Atl)
Cestoidea gen.sp. plerocercoid (Atl)
Grillotia erinaceus plerocercoid (Atl)
Grillotia sp. plerocercoid (Atl)
Phyllobothrium thridax plerocercoid (Atl)
Scolex pleuronectis plerocercoid (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Anisakidae gen.sp. larva (Atl)
Capillaria (Procapillaria) gracilis (Atl)
Cucullanus cirratus (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)
Hysterothylacium aduncum (Atl)
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Corynosoma sp. juvenile (Atl)
Echinorhynchus gadi (Atl)
Echinorhynchus laurentianus (Atl)
- Copepoda
Hatschekia hippoglossi (Atl)
Lepeophtheirus hippoglossi (Atl)
- Hippoglossus stenolepis* Schmidt Pacific halibut
- Myxozoa
Kudoa thyrsites (Pac)
- Trematoda
Digenea gen.sp. (Pac)
- Monogenea
Entobdella hippoglossi (Pac)
- Nematoda
Anisakis simplex larva (Pac)
Pseudoterranova decipiens larva (Pac)
- Annelida
Notostomum cyclostoma (Pac)
- Copepoda
Acanthochondria hippoglossi (Pac)
Phrixecephalus cincinnatus (Pac)
- Microstomus pacificus* (Lockington) Dover sole
- Myxozoa
Ceratomyxa hopkinsi (Pac)
Davisia sp. (Pac)
Kudoa thyrsites (Pac)
Myxoproteus meridionalis (Pac)
Ortholinea divergens (Pac)
- Monogenea
Discocotylidae gen.sp. (Pac)
- Trematoda
Derogenes varicus (Pac)
Fellodistomum brevum (Pac)
Otodistomum veliporum metacercaria (Pac)
Phyllodistomum sp. (Pac)
Proisorhynchus sp. metacercaria (Pac)

- Cestoidea
Nybelinia sp. plerocercoid (Pac)
Scolex pleuronectis plerocercoid (Pac)
- Nematoda
Anisakis sp. larva (Pac)
Ascarophis sebastodis (Pac)
Cucullanus annulatus (Pac)
Hysterothylacium aduncum (Pac)
Pseudoterranova decipiens larva (Pac)
Spirurida gen.sp. larva (Pac)
- Acanthocephala
Corynosoma sp. juvenile (Pac)
Echinorhynchus gadi (Pac)
- Copepoda
Acanthochondria margolisi (Pac)
Acanthochondria sp. (Pac)
- Platichthys stellatus* (Pallas) starry flounder
- Udonellidea
Udonella caligorum (Pac)
- Trematoda
Cryptocotyle lingua metacercaria (exper)
Neolebouria tinkerbellae (exper)
Podocotyle endophrysi (Pac)
Podocotyle gibbonsia (Pac)
- Nematoda
Clavinema mariae (Pac)
- Acanthocephala
Corynosoma striuosum juvenile (Pac)
- Copepoda
Acanthochondria rectangularis (Pac)
Lepeophtheirus hospitalkis (Pac)
- Pleuronectes americanus* Walbaum winter flounder
Syn.: *Pseudopleuronectes americanus* (Walbaum)
Remarks: Placement of the winter flounder in the genus *Pleuronectes* follows Robins et al. (1991) for the reasons that they gave on p. 95-96. McAllister (1990) listed the name of this fish as *Pseudopleuronectes americanus*. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Pseudopleuronectes americanus*.
- Apicomplexa
Haemohormidium terraenovae (exper)
- Ciliophora
Trichodina sp. (Atl)
- Mastigophora
Cryptobia bullocki (Atl)
Ichthyobodo necator (Atl)
Trypanosoma murmanensis (Atl, exper)
- Myxozoa
Ceratomyxa acadensis (Atl)
Ceratomyxa drepanopsettae (Atl)
Leptothea sp. (Atl, E Arc)
Myxidium incurvatun (Atl)
Myxidium oviforme (Atl)
- Trematoda
Cryptocotyle lingua metacercaria (Atl)
Derogenes varicus (Atl)
Genolinea laticauda (Atl)
Hemiurus appendiculatus (Atl)
Lecithaster gibbosus (Atl)
Podocotyle atomon (Atl)
Steganoderma formosum (Atl)
Stenakron vetustum (Atl)
Stephanostomum baccatum (Atl)
Stringophorus furciger (Atl)
- Monogenea
Gyrodactylus pleuronecti (Atl)
- Cestoidea
Bothrinoncus sturionis (Atl)
- Nematoda
Anisakis simplex larva (Atl)
Ascarophis arctica (Atl)
Nematoda gen.sp. (Atl)
Pseudoterranova decipiens larva (Atl)
- Acanthocephala
Corynosoma wegneri juvenile (Atl)
- Annelida
Johanssonia arctica (exper)
- Pleuronectes asper* Pallas yellowfin sole
Syn.: *Limanda aspera* (Pallas)
Remarks: Placement of the yellowfin sole in the genus *Pleuronectes* follows Robins et al. (1991) for the reasons that they gave on p. 95-96. McAllister (1990) listed this fish as *Limanda aspera*.
- Mastigophora
Cryptobia sp. (Pac)
Trypanosoma sp. (Pac)
- Annelida
Calliobdella sp. (Pac)
- Pleuronectes bilineatus* (Ayres) rock sole
Syn.: *Lepidopsetta bilineata* (Ayres)
Remarks: Placement of the rock sole in the genus *Pleuronectes* follows Robins et al. (1991) for the reasons that they gave on p. 95-96. McAllister (1990) listed this fish as *Lepidopsetta bilineata*. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Lepidopsetta bilineata*.
- Myxozoa
Ceratomyxa hopkinsi (Pac)
Davisia sp. (Pac)
Kudoa thyrsites (Pac)
Unicapsula muscularis (Pac)
Zschokkella sp. (Pac)
- Udonellidea
Udonella caligorum (Pac)
- Trematoda
Otodistomum veliporum metacercaria (Pac)
- Cestoidea
Pseudophyllidea gen.sp. plerocercoid (Pac)

Nematoda
Anisakis sp. larva (Pac)
 "Capillaria" sp. (Pac)

Acanthocephala
Corynosoma strumosum juvenile (Pac)
Echinorhynchus gadi (Pac)

Annelida
Hirudinea gen.sp. (Pac)
Mahniana sp. (Pac)

Copepoda
Lepeophtheirus bifidus (Pac)
Lepeophtheirus parviventris (Pac)
Naobranchia occidentalis (Pac)
Nectobranchia indivisa (Pac)

Pleuronectes ferrugineus (Storer) yellowtail flounder
 Syn.: *Limanda ferruginea* (Storer)
 Remarks: Placement of the yellowtail flounder in the genus *Pleuronectes* follows Robins et al. (1991) for the reasons that they gave on p. 95-96. McAllister (1990) listed this fish as *Limnada ferruginea*. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Limanda ferruginea*.

Apicomplexa
Haemohormidium sp. (Atl)

Ciliophora
 Trichodinidae gen.sp. (Atl)

Mastigophora
Trypanosoma sp. (Atl)

Myxozoa
Ceratomyxa drepanopsettae (Atl)
Leptotheca sp. (Atl, E Arc)
 Myxosporea gen.sp. (Atl)

Trematoda
Derogenes varicus (Atl)
 Digenea gen.sp. (Atl)
Lecithaster gibbosus (Atl)
Podocotyle atomon (Atl)
Progonus muelleri (Atl)
Steganoderma formosum (Atl)
Stenakron vetustum (Atl)
Stenakron sp. (Atl)
Steringophorus furciger (Atl)

Cestoidea
Scolex pleuronectis plerocercoid (Atl)

Nematoda
Anisakis simplex larva (Atl)
Anisakis sp. larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)
Pseudoterranova decipiens larva (Atl)

Acanthocephala
 Acanthocephala gen.sp. (Atl)
Corynosoma wegneri juvenile (Atl)
Echinorhynchus laurentianus (Atl)

Annelida
Johanssonia arctica (exper)

Pleuronectes putnami (Gill) smooth flounder
 Syn.: *Liopsetta putnami* (Gill)
 Remarks: Placement of the smooth flounder in the genus *Pleuronectes* follows Robins et al. (1991) for the reasons that they gave on p. 95-96. McAllister (1990) listed this fish as *Liopsetta putnami*. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Liopsetta putnami*.

Trematoda
Derogenes varicus (Atl)
Stenakron sp. (Atl)
Steringophorus furciger (Atl)

Cestoidea
Scolex pleuronectis plerocercoid (Atl)

Nematoda
Anisakis sp. larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl)

Acanthocephala
Echinorhynchus laurentianus (Atl)

Pleuronectes vetulus (Girard) English sole
 Syn. *Parophrys vetulus* Girard
 Remarks: Placement of the English sole in the genus *Pleuronectes* follows Robins et al. (1991) for the reasons that they gave on p. 95-96. McAllister (1990) listed the name of this fish as *Parophrys vetulus*. Margolis and Arthur (1979) listed previous Canadian records of parasites from this fish under the name *Parophrys vetulus*.

Myxozoa
Ceratomyxa hopkinsi (Pac)
Davisia sp. (Pac)
Unicapsula muscularis (Pac)

Trematoda
Derogenes varicus (Pac)
Fellodistomum brevum (Pac)
Genitocotyle acirra (Pac)
 Gorgoderidae gen.sp. (Pac)
Lecithaster gibbosus (Pac)
Otodistomum veliporum metacercaria (Pac)
Podocotyle sp. (Pac)
Proisorhynchus sp. metacercaria (Pac)

Cestoidea
Bothriocephalus scorpii (Pac)
Phyllobothrium sp. plerocercoid (Pac)
Scolex pleuronectis plerocercoid (Pac)

Nematoda
Anisakis sp. larva (Pac)
Ascarophis Sebastodis (Pac)
Clavinema mariae (Pac)
 "Capillaria" sp. (Pac)
Contracaecum sp. and/or *Phocascaris* sp. larva (Pac)
Cucullanus annulatus (Pac)
Cucullanus sp. (Pac)
Hysterothylacium aduncum (Pac)
Paracapillaria parophrysi (Pac)

Annelida
Oceanobdella pallida (Pac)

Copepoda
Acanthochondria dojiri (Pac)
Acanthochondria sp. (Pac)
Lepeophtheirus sp. (Pac)
Naobranchia occidentalis (Pac)

Amphipoda
Protolafystius madillae (Pac)

Pleuronichthys decurrens Jordan and Gilbert curlfin sole

Copepoda
Acanthochondria fraseri (Pac)
Lepeophtheirus bifidus (Pac)

Reinhardtius hippoglossoides (Walbaum) Greenland halibut

Apicomplexa
Haemogregarina platessae (E Arc)
Haemohornidium terraenovae (Atl, E Arc)
Haemohornidium sp. (Atl)

Mastigophora
Trypanosoma murmanensis (Atl, E Arc)
Trypanosoma sp. (Atl)

Myxozoa
Ceratomyxa drepanopsettae (Atl)
Ceratomyxa ramosa (Atl)
Myxidium incurvatum (Atl)
Myxidium sphaericum (Atl)
Myxoproteus reinhardtii (Atl)
Myxoproteus sp. (Atl)
Ortholinea divergens (Atl)
Schulmania quadrilobata (E Arc, Atl)

Trematoda
Anomalotrema koiae (Atl)
Brachyphallus crenatus (Atl)
Derogenes varicus (Atl, E Arc)
Dinosoma triangulata (Atl)
Dissosaccus laevis (Atl)
Hemiurus levinseni (Atl)
Lecithaster confusus (E Arc)
Lecithaster gibbosus (Atl)
Otodistomum veliporum metacercaria (Atl)
Otodistomum sp. metacercaria (Atl)
Progonus muelleri (Atl)
Prosorhynchoides gracilescens (E Arc)
Steganoderma formosum (Atl)
Stenakron vetustum (Atl, E Arc)
Stenakron sp. (Atl)
Steringophorus furciger (Atl, E Arc)

Monogenea
Entobdella hippoglossi (Atl)
Entobdella sp. (Atl)

Cestoidea
Bothriocephalus scorpii (Atl)
Bothriocephalus sp. (E Arc)

Grillotia erinaceus plerocercoid (Atl)
Grillotia sp. plerocercoid (Atl, E Arc)
Phyllobothrium thridax plerocercoid (Atl)
Scolex pleuronectis plerocercoid (Atl, E Arc)

Nematoda
Anisakidae gen.sp. larva (Atl)
Anisakis simplex larva (Atl, E Arc)
Anisakis sp. larva (Atl)
Contracaecum sp. and/or *Phocascaris* sp. larva (Atl, E Arc)
Hysterothylacium aduncum (Atl)
Pseudoterranova decipiens larva (Atl)

Acanthocephala
Corynosoma strumosum juvenile (Atl, E Arc)
Corynosoma sp. juvenile (Atl)
Echinorhynchus gadi (Atl, E Arc)
Echinorhynchus laurentianus (Atl)

Annelida
Johanssonia arctica (Atl, E Arc, exper)

Copepoda
Hatschekia hippoglossi (Atl)
Neobrachiella robusta (Atl, E Arc)
Sphyrion lumpi (Atl)

Isopoda
Aega psora (Atl)

Pleuronectidae of Undetermined Species

Pleuronectidae gen.spp.

Apicomplexa
Haemogregarina aeglefini (Atl)

Trematoda
Steganoderma formosum (Atl)

Cestoidea
Bothrimontus sturionis (Atl)

Nematoda
Anisakis simplex larva (Atl)
Hysterothylacium sp. (Atl)
Nematoda gen.sp. (Atl)
Pseudoterranova decipiens larva (Atl)

Acanthocephala
Corynosoma sp. juvenile (Atl)
Echinorhynchus gadi (Atl)
Echinorhynchus sp. (Atl)

Copepoda
Hatschekia hippoglossi (Atl)

ORDER TETRAODONTIFORMES Family MOLIDAE

Mola mola (Linnaeus) ocean sunfish
Copepoda
Pennella filosa (Atl)

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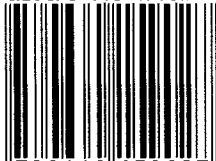
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