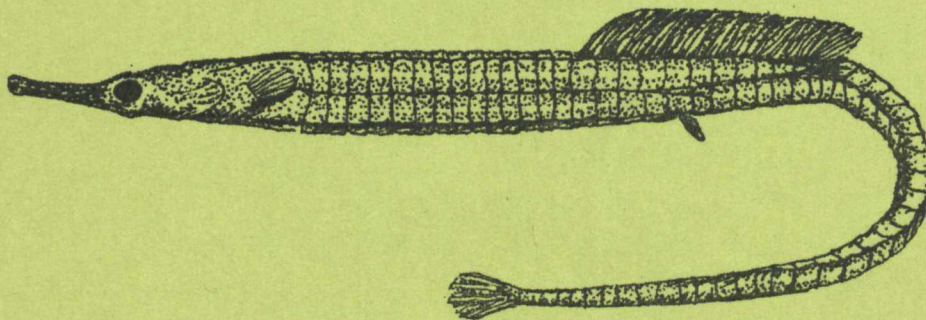




**NOVA SCOTIA MUSEUM
CURATORIAL REPORT NO. 3**

**THE FISH COLLECTIONS
OF THE NOVA SCOTIA MUSEUM**



BY JOHN GILHEN

HALIFAX, NOVA SCOTIA APRIL, 1969

Nova Scotia Museum,
Science Section,
Curatorial Report No. 3.

THE FISH COLLECTION OF THE NOVA SCOTIA MUSEUM

By John Gilhen

Museum Assistant

The fish collection of the Nova Scotia Museum began with a few dried foreign species in the Old Dominion's Maritime Museum of 1821-23.

The Fish Collections of the Nova Scotia Museum

by John Gilhen

Nova Scotia Museum

The collection of Nova Scotia fishes was founded upon that of about 22 nominal species of fishes prepared by John Matthew Jones, F. L. S., of the New Brunswick Commission for the International Exhibition in London in 1862. This collection was also exhibited in Paris at the Exposition Universelle in 1867, and was placed in the Provincial Museum in 1868.

Dr. Hensman, in his first report of the Provincial Museum, 1874, pp. 51-52, listed 24 nominal species in the alcohol collection of Nova Scotia fishes.

A number of very interesting specimens, distinguished by a

This report is designed for internal use only. Since the identification of the species listed may not have been confirmed by specialists, workers outside the museum should not publish any part of this report without the consent of the Chief Curator of Science of the Nova Scotia Museum.

THE FISH COLLECTION OF THE NOVA SCOTIA MUSEUM

By John Gilhen
Museum Assistant

The fish collection of the Nova Scotia Museum began with a few dried foreign species in the Old Mechanics' Institute Museum of 1831-68.

The collection of Nova Scotian fishes was founded upon that of about 22 nominal species collected and prepared by John Matthew Jones, F. L. S., of the Nova Scotia Commission for the International Exhibition in London in 1862. This collection was also exhibited in Paris at the Exposition Universelle in 1867, and was placed in the Provincial Museum in 1868.

Dr. Honeyman, in his first report of the Provincial Museum, 1872, pp. 81-82, listed 24 nominal species in the alcohol collection of Nova Scotia fishes.

A number of very interesting specimens, distinguished by a numbered metal tag, were presented to the Museum in 1877 by the United States Fisheries Commission. They were collected in the Halifax area by the U. S. Fish Commission Steam Tug Speedwell

while she was stationed at Halifax from August 27 to October 13, 1877.

Other specimens were added from time to time, particularly during the Great International Fisheries Exhibition, London, in 1883, when the collection was again shown under the supervision of Dr. Honeyman.

This information was gathered from notes made by Harry Piers, former Curator of the Museum; he stated that the collection consisted of 83 species of dry and alcoholic specimens of Nova Scotian fishes in 1917.

There was no concerted effort to make this collection a useful and comprehensive one until 1948 when D. A. Livingstone, a postgraduate student at Dalhousie University, was employed by the Museum for the purpose of building a representative collection of the freshwater fishes of Nova Scotia. This collection was deposited with the Museum in 1950. Included were a few samples of freshwater fish taken during the Nova Scotia Inland Fisheries Survey in 1946.

J. L. Martin, museum biologist, organized and catalogued the entire collection between 1950 and 1954.

During the summer of 1955 Francis R. Cook and John S. Erskine investigated the freshwater fishes of Nova Scotia. Collections

from the mainland added greatly to the existing freshwater material. Five new localities for the eastern blacknose dace, Rhinichthys atratulus (Hermann), were discovered and one collection from Atkinson Brook, Cumberland Co., N. S., was the first record for this species from the Bay of Fundy drainage basin (Cook, 1961. Canadian Field Naturalist. 75: 1. pp. 51-52)

From the spring of 1964 to the present time John and Michael Gilhen and John Chapman have contributed species not already represented in the collection. The most interesting was the second collection of striped mullet, Mugil cephalus Linnaeus, from inshore Canadian waters (Gilhen, in press).

John Owen Kiley and Victor Kiley, fishermen from Prospect, Halifax Co., have also contributed specimens in recent years, including a ghost fish, Cryptacanthodes maculatus Storer, one bluefish, Pomatomus saltatrix (Linnaeus), a blue runner, Caranx crysos (Mitchill) and an atlantic menhaden, Brevoortia tyrannus (Latrobe).

Since 1966 a small number of fish from the Department of Fisheries frozen fish display at the annual Lunenburg Exhibition have been incorporated into the collection.

A small quantity of reference material bearing Royal Ontario Museum and National Museum labels are included in the collection.

Class Marsipobranchii
Hagfishes And Lampreys

Subclass Cyclostomata

Order Hyperoartia

Family Petromyzontidae
Lampreys

Petromyzon marinus Linnaeus - Sea lamprey

Middleton, Annapolis Co., N. S., June 16, 1906, 1 specimen
Shubenacadie River, Halifax Co., N. S., June 28, 1914, 1 specimen
LaHave River, Lunenburg Co., N. S., June 19, 20, 1948, 1 specimen
Prospect, Halifax Co., N. S., June 29, 1965, 1 specimen

ammocoetes - larvae of sea lamprey

River Philip, Cumberland Co., N. S. August 24, 1950, 9 specimens
River Philip, Cumberland Co., N. S. May 30, 1964, 1 specimen
Musquodoboit River, Halifax Co., N. S., June 15, 1964, 1 specimen

Class Selachii (or Chondrichthyes)
Cartilaginous Fishes

Subclass Euselachii (Elasmobranchii)
Sharks, Skates, Rays

Order Pleurotremata (Squaliformes)
Sharks

Family Carcharhinidae
Requiem Sharks (Maneating sharks)

Prionace glauca (Linnaeus) - Blue shark

3 miles east of Chebucto Head, Halifax Co., N. S., September
23, 1920, Jaws only Dry
7 miles east of Devils Island, N. S., September 11, 1934, Jaws
only Dry

Family Sphyrnidae
Hammerhead sharks

Sphyrna zygaena (Linnaeus) - Smooth hammerhead

*Herring Cove, Halifax Co., N. S., September 13, 1932, 1 specimen

*Vladykov, V. D. 1935, N. S. I. S. Proceedings 19(1):1-8.

Family Squalidae
Dogfish sharks

Squalus acanthias Linnaeus - Spiny dogfish

N. W. Arm, Halifax Co., N. S., August 7, 1902, 3 specimens
(unborn young)

Voglers Cove, Lunenburg Co., N. S., June 1947, 10 specimens
(unborn young)

Hubbards Cove, Halifax Co., N. S., July 31, 1937, 3 specimens

Order Hypotremata (Rajiformes, Batoidei)
Rays

Family Rajidae
Skates

Raja

Murphys Cove, Halifax Co., N. S., July 4, 1965, larvae with
egg case

Raja radiata Donovan - Thorny skate

Emerald Bank, N. S., February 1, 1969, 1 specimen (young)

St. Ann's Bay, Lunenburg Co., July 1, 1935, 1 specimen

Point Lake, Queens Co., July 15, 1937, 2 specimens

Family Torpedinidae
Electric rays

Family Torpedinidae
Electric rays

Torpedo nobiliana Bonaparte - Atlantic torpedo

Lake near Jeffers, Cumberland Co., July 29, 1955, 2 specimens

Emerald Bank, N. S., November 23, 1965, parts only.
Area 6, South of Georges Bank, N. S., Summer 1967, 1 specimen

Class	Pisces (Osteichthyes) Bony Fishes
Subclass	Neopterygii
Order	Isospondyli
Suborder	Clupeoidea Herring-Like Fishes
Family	Clupeidae True Herrings

Clupea harengus harengus Linnaeus - Atlantic herring

Hubbards Cove, Halifax Co., N. S., July 31, 1917, 9 specimens

Alosa pseudoharengus (Wilson) - Alewife (*Pomolobus pseudoharengus*)

Near Halifax, Nova Scotia, 6 specimens

Off Halifax, Nova Scotia, 1877, 3 specimens

Shubenacadie River, Halifax-Hants Co., September 29, 1921, 4 specimens

Lake George, Shelburne Co., 1946, 10+ specimens

Goshen Lake, Guysborough Co., August 1, 1948, 12 specimens

* Lake, number two, at Indian Harbour, Guysborough Co., August 1, 1948, 10+ specimens

** Grand Lake, Halifax Co., June 4, 1948, 10+ specimens

Lake O'Law, Inverness Co., September 8, 1948, 11 specimens

Margaree River, Inverness Co., August 20, 1949, 10+ specimens

Warren Lake, Victoria Co., August 26, 1949, 10+ specimens

Shubenacadie River, Hants Co., July 9, 1950, 1 specimen

Ponhook Lake, Queens Co., July 15, 1955, 4 specimens

Fancy Lake, Lunenburg Co., July 18, 1955, 16 specimens

Wentzell Lake, Lunenburg Co., July 18, 1955, 2 specimens

Maitland Millpond, Hants Co., July 26, 1955, 2 specimens

Pond 1 mile N. of Shubenacadie, Hants Co., July 27, 1955, 23 specimens

Lake near Jeffers, Cumberland Co., July 29, 1955, 2 specimens

Fullerton Lake, Cumberland Co., July 30, 1955, 18 specimens
Tidnish River, Cumberland Co., July 31, 1955, 44 specimens
Bridge End Lake, Halifax Co., August 24, 1955, 18 specimens
Moser River, Halifax Co., August 25, 1955, 34 specimens
Cummings Lake, Guysborough Co., August 25, 1955, 18 specimens
McMullen Lake, Guysborough Co., August 26, 1955, 2 specimens
Salmon River, Guysborough Co., August 26, 1955, 2 specimens
Eden Lake, Pictou Co., August 27, 1955, 1 specimen
Prospect Bay, Halifax Co., September 1, 1966, 10 specimens
Prospect Bay, Halifax Co., September 10, 1966, 6 specimens
LaHave River, Lunenburg Co., June 19, 1948, 15 specimens

*Det. as Pomolobus aestivalis (Mitchill)?

**Det. as Pomolobus aestivalis

Alosa sapidissima (Wilson) - American shad

LaHave River, Lunenburg Co., June 19, 20, 1948, 2 specimens

Brevoortia tyrannus (Latrobe) - Atlantic menhaden

off Burnt Island, Prospect, Halifax Co., July 28, 1968, 1 specimen

Suborder Salmonoidea
Salmon-Like Fishes

Family Salmonidae
Salmon, trouts, chars, whitefishes

Salmo salar Linnaeus - Atlantic salmon

* Grand Lake, N. S., May 9, 1901, 1 specimen

*Det. as Salmo salar sebago Girard-grayling

parr

Nova Scotia, , 3 specimens

* Bedford, Halifax Co., 1883, 4 specimens

*Eggs taken from Bedford Fish Hatchery - hatched at International Fish Exhibition, London 1883

Salvelinus namaycush (Walbaum) - Lake trout

Pockwock Lake, Halifax Co., June 6, 1900, 1 specimen
Nine Mile Lake, Lunenburg Co., June 4, 1902, 1 specimen
Nine Mile Lake, Lunenburg Co., May 12, 1903, 1 specimen
Dollar Lake, Halifax Co., June 22, 1908, 1 specimen

Salvelinus fontinalis (Mitchill) - Brook trout

Salmon River, Preston, Halifax Co., 1871, 1 specimen
Little Salmon River, Halifax Co., May 30, 1909, 1 specimen
Mill Lake, Lunenburg Co., May 25, 1923, 1 specimen
Red River, Inverness Co., August 24, 1949, 8 specimens
Warren Lake, Victoria Co., August 26, 1949, 6 specimens
Copper Lake, Antigonish Co., August 1948, 1 specimen
Dalem Lake, Victoria Co., August 28, 1949, 4 specimens
Pembroke Lake, Inverness Co., August 22, 1949, 12 specimens
West branch, LaHave River, Lunenburg Co., July 1950, 3 specimens
Alexandra, Queens Co., P. E. I., August 6, 1955, 1 specimen
Debert River, Colchester Co., July 28, 1955, 4 specimens
Sprague Lake, Digby Co., July 4, 1955, 16 specimens
Stream near Latties Brook, Hants Co., July 27, 1955, 2 specimens
Bass River, Colchester Co., July 28, 1955, 7 specimens
Diligent River, Cumberland Co., July 29, 1955, 3 specimens
Stream 8 miles south of River Hebert P. O., Cumberland Co.,
July 30, 1955, 1 specimen
River Philip, Cumberland Co., August 11, 1955, 1 specimen
French River, Colchester Co., August 2, 1955, 2 specimens
West River, Pictou Co., August 3, 1955, 2 specimens
River near West River Stn., Pictou Co., August 3, 1955, 5
specimens
Salt Springs Stn., Cumberland Co., August 7, 1955, 2 specimens
Pugwash River, Cumberland Co., August 8, 1955, 1 specimen
Halfway Brook, Halifax Co., August 24, 1955, 1 specimen
Stream from Cameron Lake, Guysborough Co., August 26, 1955, 2
specimens
Newtown, Guysborough Co., August 27, 1955, 4 specimens
River 2 miles N. of Elgin, Pictou Co., August 28, 1955, 1
specimen
Stewiacke River, Colchester Co., August 28, 1955, 1 specimen
Fox River, Cumberland Co., July 29, 1955, 3 specimens

Family Cyprinidae
Minnows and Carps

Minard Brook, Queens Co., April 26, 1964, 1 specimen
Lake Echo, Halifax Co., May 12, 1964, 3 specimens
Paper Mill Lake, Halifax Co., May 27, 1964, 7 specimens
Sutherland Lake, Cumberland Co., May 28, 1964, 8 specimens
Porters Lake, Halifax Co., 1964, 1 specimen, mounted dry

Family Osmeridae
Smelts

Osmerus mordax (Mitchill) - American smelt

Grand Lake, Hants Co., 1930, 1 specimen
Dauphinee Mill Lake, Lunenburg Co., May 7, 1932, 4 specimens
Sawlor Lake, Halifax Co., June 17, 1934, 1 specimen
Copper Lake, Antigonish Co., August 1948, 9 specimens
Centreville Lake, Digby Co., July 28, 1949, 3 specimens

Mallotus villosus (Muller) - Capelin

Nova Scotia, 2 specimens

Family Esocidae
Pikes

Esox niger LeSueur - Chain pickerel

Spectacle Lake, Digby Co., July 26, 1949, 2 specimens
Spectacle Lake, Digby Co., July 29, 1949, 21 specimens
Henriette Lake, Digby Co., July 26, 1949, 5 specimens
Spectacle Lake, Digby Co., July 30, 1949, 12 specimens
Spectacle Lake, Digby Co., July 28, 1949, 2 specimens
Spectacle Lake, Digby Co., July 26, 1949, 12 specimens
Spectacle Lake, Digby Co., July 5, 1955, 1 specimen

Esox americanus vermiculatus LeSueur - Grass pickerel

Huron River, Michigan, U. S. A., September 23, 1949, 1 specimen

Order Cypriniformes

Family Cyprinidae
Minnows and Carps

Chrosomus eos Cope - Northern redbelly dace

- * Shubenacadie River, Halifax Co., August 1919, 4 specimens
** Grand Lake, N. S., July 20, 1941, 3 specimens
Little Lake, Grand Lake, Colchester Co., September 1, 1949,
10+ specimens
St. Croix, Hants Co., July 13, 1950, 10+ specimens
Shinimicas River, Cumberland Co., August 23, 1950, 7 specimens
Cameron Lake, Hants Co., July 13, 1950, 10+ specimens
Lake near Lorne, Pictou Co., July 19, 1950, 10+ specimens
Stream from Noel Lake, Hants Co., July 26, 1955, 7 specimens
Melladay Lake, Cumberland Co., July 29, 1955, 4 specimens
3 miles SE of Shinimicas, Cumberland Co., July 31, 1955, 1
specimen
Earltown Lake, Colchester Co., August 2, 1955, 3 specimens
Stream near Middleton, Annapolis Co., August 15, 1955, 4
specimens
Hurley Lake, Guysborough Co., August 26, 1955, 33 specimens
Beaver Dam Pond, Antigonish Co., August 27, 1955, 25 specimens
Eden Lake, Pictou Co., August 28, 1955, 2 specimens
near Grand Lake, Pictou Co., August 28, 1955, 137 specimens

*Det. as Chrosomus erythrogaster Rafinesque by Dr. P. Cox

**Det. as Rhinichthys atrosanis, Striped dace

Chrosomus neogaeus (Cope) - Finescale dace

- Miramichi River, N. B., August 19, 1954, 1 specimen
* Stephenson's Pond, near St. John, N. B., November 8, 1938, 1
specimen

*Det. as Pfrille neogaca

Couesius plumbeus (Agassiz) - Lake chub

- South Saskatchewan River, Alberta, June 28, 1941, 1 specimen
Mink Lake Brook, Bear River Drainage, Annapolis Co., July 6,
1949, 4 specimens
Grant Brook, Hants Co., June 12, 1949, 82 specimens
Trib. Shinimicas River, Cumberland Co., August 23, 1950, 2
specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
30 specimens

River Philip, Cumberland Co., August 24, 1950, 10+ specimens
Debert River, Colchester Co., July 28, 1955, 4 specimens
River 2 miles N. of Elgin, Pictou Co., July 28, 1955, 9 specimens
Stream at Great Village, Colchester Co., July 28, 1955, 2
specimens
Cornwallis River, Kings Co., August 15, 1955, 3 specimens
East River Of Pictou NW of Springvale, Pictou Co., August 28,
1955, 1 specimen
Annapolis River at Aylesford, Kings Co., August 15, 1955, 2
specimens
Stewiacke River, Colchester Co., August 28, 1955, 2 specimens
Stream near Dewar Lake, Cumberland Co., August 1, 1955, 36
specimens
Middle River, Pictou Co., August 3, 1955, 47 specimens
Economy River, Colchester Co., July 28, 1955, 7 specimens
Kennetcook River, Hants Co., July 26, 1955, 34 specimens
Pugwash River, Cumberland Co., August 8, 1955, 16 specimens
Stream from Lake Paul, Kings Co., July 18, 1955, 6 specimens
Stream near Latties Brook, Hants Co., July 27, 1955, 54
specimens
Five Mile River at Hayes Siding near S. Maitland, Hants Co.,
July 27, 1955, 72 specimens
Stream near Shinimicas, Cumberland Co., July 31, 1955, 1
specimen
Pond at west edge of Middleton, Annapolis Co., August 15, 1955,
5 specimens
Earltown Lake, Colchester Co., August 2, 1955, 4 specimens
Annapolis River at Middleton, Annapolis Co., August 15, 1955,
1 specimen
River Philip at Oxford, Cumberland Co., August 1, 1955, 25
specimens
Atkinson Brook, Cumberland Co., July 30, 1955, 19 specimens
Halfway Brook, Halifax Co., August 24, 1955, 9 specimens
Stream 8 miles S. of River Hebert, Cumberland Co., July 30,
1955, 7 specimens
Stream flowing to Folly River 3 miles from Glenholme, Colchester
Co., August 8, 1955, 18 specimens

Notemigonus crysoleucas (Mitchill) - Golden shiner

Blueberry Lake, Halifax Co., July 10, 1897, 1 specimen
River at Antigonish, Antigonish Co., July 1908, 1 specimen

- Maynard Lake, Dartmouth, Halifax Co., April 19, 1910, 12 specimens
- Shubenacadie River, Elmsdale, Hfx.-Hants Co., May 22, 1920, 3 specimens
- Hubbards River, Halifax Co., June 18, 1933, 1 specimen
- Lake George, Shelburne Co., July 6, 1946, 19 specimens
- Copper Lake, Antigonish Co., June 28, 1946, 15 specimens
- Copper Lake, Antigonish Co., June 28, 1946, 1 specimen
- LaHave River, Lunenburg Co., June 19, 1948, 10+ specimens
- Sherbrooke, Guysborough Co., August 1948, 8 specimens
- Fullerton Lake, Cumberland Co., September 8, 1948, 10+ specimens
- Goshen, Guysborough Co., August 3, 1948, 10+ specimens
- Lake Ainslie, Inverness Co., September 9, 1948, 12 specimens
- Sherbrooke, Guysborough Co., August 1948, 34 specimens
- Gilbert Lake, Cumberland Co., September 24, 1948, 9 specimens
- Copper Lake, Antigonish Co., August 1948, 3 specimens
- Whites Lake, Prospect Rd., Halifax Co., June 26, 1948, 3 specimens
- Indian Harbour River, Guysborough Co., August 1948, 10+ specimens
- Pearl Lake, Yarmouth Co., September 13, 1948, 20 specimens
- * Huron River, Michigan, U. S. A., September 23, 1949, 4 specimens
- Little River below Big Dam Lake, Annapolis Co., July 5, 1949, 1 specimen
- Mink Lake Brook, Bear River Drainage, Annapolis Co., July 6, 1949, 3 specimens
- Little River, Annapolis Co., July 5, 1949, 2 specimens
- Big Dam Lake, Annapolis Co., July 5, 1949, 7 specimens
- Little Lake, Grand Lake, Colchester Co., September 1, 1949, 8 specimens
- Pretty Mary Lake, Annapolis Co., June 30, 1949, 10+ specimens
- LaPlanche River, Cumberland Co., August 23, 1950, 10+ specimens
- Small lake near St. Croix, Hants Co., July 13, 1950, 13 specimens
- Big Lake, Cumberland Co., August 24, 1950, 20 specimens
- Millpond on branch of LaPlanche River, Cumberland Co., August 23, 1950, 10+ specimens
- Millpond on branch of LaPlanche River, Cumberland Co., August 23, 1950, 10+ specimens
- Wigmore Lake, Cumberland Co., August 24, 1950, 10+ specimens
- Small lake near Lorne, Pictou Co., July 19, 1950, 10+ specimens
- Millpond on branch of LaPlanche River, Cumberland Co., August 23, 1950, 10+ specimens
- Millpond on branch of LaPlanche River, Cumberland Co., August 23, 1950, 10+ specimens

- East River, Sheet Harbour, Halifax Co., July 18, 1950, 11 specimens
- Sherbrooke Lake, Guysborough Co., August 23, 1950, 2 specimens
- Blair Lake, Cumberland Co., August 23, 1950, 3 specimens
- Minampkeak Brook, Lunenburg Co., June 4, 1950, 14 specimens
- McMullen Lake, Guysborough Co., August 26, 1955, 36 specimens
- Lake Kilarney, Cumberland Co., July 31, 1955, 61 specimens
- "Ice Pond" 2 miles NE of Amherst, Cumberland Co., July 31, 1955, 31 specimens
- Head of Wentworth Lake, Digby Co., July 4, 1955, 1 specimen
- Oliver Lake, Digby Co., July 2, 1955, 8 specimens
- Cumminger Lake, Guysborough Co., August 25, 1955, 28 specimens
- Birchtown Lake, Shelburne Co., July 16, 1955, 2 specimens
- Salmon Lake, Yarmouth Co., July 3, 1955, 2 specimens
- Grant Lake, Pictou Co., August 28, 1955, 24 specimens
- Mellady Lake, Cumberland Co., July 29, 1955, 18 specimens
- 2½ miles S. of Maitland, Hants Co., July 26, 1955, 16 specimens
- First Brook, Route Number 3, Lunenburg Co., July 18, 1955, 21 specimens
- Short Lake, Colchester Co., July 7, 1955, 7 specimens
- Medway River, Queens Co., July 15, 1955, 1 specimen
- Mattatall Lake, Cumberland Co., August 1, 1955, 5 specimens
- Moser River, Halifax Co., August 25, 1955, 13 specimens
- Beaver Dam Pond, Hants Co., July 26, 1955, 15 specimens
- Fullerton Lake, Cumberland Co., July 30, 1955, 28 specimens
- Blair Lake, Cumberland Co., July 31, 1955, 1 specimen
- Hurley Lake, Guysborough Co., August 26, 1955, 10 specimens
- Melrose Lake, Guysborough Co., August 26, 1955, 3 specimens
- 1 mile NW of Charleston, Medway River, Queens Co., July 15, 1955, 16 specimens
- Cedar Lake, Yarmouth Co., July 4, 1955, 5 specimens
- Lake W. of Country Harbour, Guysborough Co., August 26, 1955, 158 specimens
- Wentzell Lake, Lunenburg Co., July 18, 1955, 82 specimens
- Dewar Lake, Cumberland Co., August 1, 1955, 36 specimens
- Stream from Lake Paul, Kings Co., July 18, 1955, 2 specimens
- Eden Lake, Pictou Co., August 3, 1955, 2 specimens
- Pond N. of Caledonia, Queens Co., July 13, 1955, 2 specimens
- Stream from Burke Lake, Kings Co., July 18, 1955, 1 specimen
- Jeffers Lake, Cumberland Co., July 29, 1955, 1 specimen
- Cogmagun River at Walton River P. O., Hants Co., July 26, 1955, 6 specimens
- Big Lake, Cumberland Co., August 1, 1955, 120 specimens

*Det. as Notemigonus crysoleucas auratus Rafinesque - Western golden shiner

Notropis atherinoides Rafinesque - Emerald shiner

* Huron River, Michigan, U. S. A., September 23, 1949, 11 specimens

*Det. as Notropis atherinoides acutus Lapham (?)

Notropis cornutus (Mitchill) - Common shiner

Wright Lake, Halifax Co., June 1918, 2 specimens

Elmsdale, Shubenacadie River, Hfx.-Hants Co., August 1919, 2 specimens

Birch Lake, Quebec, July 28, 1936, 1 specimen

Grant Brook, Hants Co., June 12, 1949, 10+ specimens

Little Lake, Grand Lake, Colchester Co., September 1, 1949, 35 specimens

Little Lake, Grand Lake, Colchester Co., September 1, 1949, 10+ specimens

Little Lake, Grand Lake, Colchester Co., September 1, 1949, 60 specimens

Gays River, Hants Co., July 9, 1950

River Philip, Cumberland Co., August 24, 1950, 10+ specimens

Lake near Jeffers, Cumberland Co., July 28, 1955, 1 specimen

Atkinson Brook, Cumberland Co., July 30, 1955, 7 specimens

St. Mary's River, Guysborough Co., August 25, 1955, 25 specimens

Kennetcook River, Hants Co., July 26, 1955, 10 specimens

River N. of Elgin, Pictou Co., July 28, 1955, 10 specimens

Mattatall Lake, Cumberland Co., August 1, 1955, 5 specimens

Stream W. of Halfway River Stn., Cumberland Co., July 30, 1955, 2 specimens

Moose River, Pictou Co., August 3, 1955, 2 specimens

East of St. Mary's at Newtown, Guysborough Co., August 27, 1955, 33 specimens

Stewiacke River, Colchester Co., August 26, 1955, 10 specimens

Notropis heterodon (Cope) - Blackchin shiner

Huron River, Michigan, U. S. A., September 23, 1949, 37 specimens

Notropis heterolepis Eigenmann and Eigenmann - Blacknose shiner

Goshen Lake, Guysborough Co., August 3, 1948, 32 specimens

Little Lake, Grand Lake, Colchester Co., September 1, 1949,
50 specimens
Small lake near Lorne, July 19, 1950, 3 specimens
Big Lake, Cumberland Co., August 25, 1950, 9 specimens
Gays River, Hants Co., July 9, 1950, 2 specimens
River Philip, Cumberland Co., August 27, 1950, 2 specimens
Small lake on Windsor Road near St. Croix, Hants Co., July 13,
1950, 99 specimens
Lake Kilarney, Cumberland Co., July 31, 1955, 53 specimens
Ray Lake, Hants Co., July 26, 1955, 21 specimens
Dewar Lake, Cumberland Co., August 1, 1955, 5 specimens
Lake near Jeffers, Cumberland Co., July 29, 1955, 4 specimens
Earlton Lake, Colchester Co., August 1, 1955, 3 specimens
Melrose Lake, Guysborough Co., August 26, 1955, 1 specimen
Big Lake, Cumberland Co., August 1, 1955, 5 specimens
Mattatall Lake, Cumberland Co., August 1, 1955, 13 specimens
Cumminger Lake, Guysborough Co., August 26, 1955, 45 specimens
Millpond on stream from Grant Lake, Pictou Co., August 28,
1955, 8 specimens

Rhinichthys atratulus (Hermann) - Blacknose dace

Trib. of Humber River, Ontario, June 25, 1937
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
6 specimens
Atkinson Brook, Cumberland Co., July 30, 1955, 2 specimens
Stream near Dewar Lake, Cumberland Co., August 1, 1955, 1 specimen
Highway Number 4 on road to Salt Springs Stn., Cumberland Co.,
August 7, 1955, 12 specimens
Pugwash River at Hansford, Cumberland Co., August 8, 1955, 4
specimens
River Philip, Cumberland Co., May 30, 1964, 16 specimens
West Wallace River, Cumberland Co., June 12, 1964, 10 specimens
Sutherland Lake, Cumberland Co., May 28, 1964, 1 specimen

Semotilus atromaculatus (Mitchill) - Creek chub

Nictaux River, Annapolis Co., June 1910, 2 specimens
Milford, Shubenacadie River, Hfx.-Hants Co., August 1919, 2
specimens
Musquodoboit River, Halifax Co., June 23, 1924, 1 specimen
Elliot Lake, Annapolis Co., July 11, 1946, 1 specimen

Black Brook Lake, Pictou Co., August 1946, 7 specimens
Elliot Lake, Annapolis Co., July 11, 1946, 8 specimens
Copper Lake, Antigonish Co., June 28, 1946, 6 specimens
Copper Lake, Antigonish Co., August 1948, 24 specimens
River Inhabitants, Inverness Co., September 5, 1948, 18 specimens
Loch Lomond, C. B. Co., September 28, 1948, 10+ specimens
Grant Brook, Hants Co., June 12, 1949, 20 specimens
Big Dam Lake, Annapolis Co., July 5, 1949, 1 specimen
Meteghan River, Digby Co., July 26, 1949, 27 specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
3 specimens
Tidnish River, Cumberland Co., August 22, 1950, 1 specimen
Shinimicas River, Cumberland Co., August 23, 1950, 2 specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
14 specimens
Moose River, Pictou Co., August 3, 1955, 7 specimens
Oliver Lake, Digby Co., July 2, 1955, 1 specimen
French River at Oliver, Colchester Co., August 2, 1955, 9
specimens
West River at Salt Springs, Pictou Co., August 3, 1955, 1
specimen
Maitland Bridge, Annapolis Co., July 13, 1955, 1 specimen
Aylesford Lake, Kings Co., July 18, 1955, 1 specimen
Millpond on stream from Grant Lake, Pictou Co., August 28,
1955, 2 specimens
Eden Lake, Pictou Co., August 27, 1955, 6 specimens
River 2 miles N. of Elgin, Pictou Co., August 28, 1955, 12
specimens
Musquodoboit River, Halifax Co., August 28, 1955, 10 specimens
Beaver Dam Pond, Hants Co., July 26, 1955, 10 specimens
Stream from Lake Paul, Cumberland Co., July 18, 1955, 3 specimens
Melladay Lake, Cumberland Co., July 29, 1955, 5 specimens
River near West River Station, Pictou Co., August 3, 1955, 11
specimens
Annapolis River at Aylesford, Kings Co., August 15, 1955, 1
specimen
Pond in stream at W. edge of Middleton, Annapolis Co., August
15, 1955, 1 specimen
St. Mary's River near Stillwater, Guysborough Co., August 25,
1955, 4 specimens
Melrose Lake, Guysborough Co., August 26, 1955, 1 specimen
Hurley Lake, Guysborough Co., August 26, 1955, 6 specimens
Salmon Lake near Salmon River Lake, Guysborough Co., August 26,
1955, 2 specimens

East St. Mary's River, Guysborough Co., August 27, 1955, 6 specimens
Stream near Elliot Lake, July 6, 1955, 1 specimen
Kennetcook River, Hants Co., July 26, 1955, 3 specimens
Stream 1 mile from Shinimicas, Cumberland Co., July 31, 1955, 9 specimens
3 miles SE of Shinimicas, Cumberland Co., July 31, 1955, 13 specimens
Eden Lake, Pictou Co., August 2, 1955, 1 specimen
Pugwash River, Cumberland Co., August 8, 1955, 1 specimen

Semotilus margarita (Cope) - Pearl dace

Lake Ainslie, Inverness Co., September 9, 1948, 42 specimens
Lake Ainslie, Inverness Co., September 9, 1948, 33 specimens
Lake Ainslie, Inverness Co., September 9, 1948, 25 specimens
Lake Ainslie, Inverness Co., September 9, 1948, 40 specimens
Lake Ainslie, Inverness Co., September 9, 1948, 46 specimens
Lake Ainslie, Inverness Co., September 9, 1948, 29 specimens
Lake Ainslie, Inverness Co., September 9, 1948, 42 specimens
Shinimicas River, Cumberland Co., August 23, 1950, 1 specimen
Small lake near Lorne, Pictou Co., July 19, 1950, 43 specimens
Royal Ontario Museum, Ontario, 2 specimens
River dampond on stream from Woodward-Stanford Lake, Hants Co.,
July 26, 1955, 1 specimen
Maitland Millpond, Hants Co., July 26, 1955, 1 specimen
Millpond on stream from Grant Lake, Pictou Co., August 28, 1955,
2 specimens

Semotilus corporalis (Mitchill) - Fallfish (*Leucosomus corporalis*)

Canaan River, New Brunswick, August 22, 1954, 1 specimen

Family Catostomidae

Catostomus commersoni (Lacepede) - White sucker

Porters Lake, Halifax Co., April 13, 1900, 1 specimen
Nine Mile River, Halifax Co., June 3, 1914, 1 specimen
Elmsdale, Shubenacadie River, Hfx.-Hants Co., August 1919,
2 specimens

Sherbrooke Lake, Lunenburg Co., 1946, 3 specimens
Gully Brook, Lunenburg Co., 1946, 1 specimen
Black Brook Lake, Pictou Co., August 1946, 1 specimen
Loch Lomond, Richmond Co., 1948, 10+ specimens
LaHave, Lunenburg Co., June 20, 1948, 1 specimen
Copper Lake, Antigonish Co., August 1948, 5 specimens
Goshen Lake, Guysborough Co., August 3, 1948, 5 specimens
St. Mary's River, Guysborough Co., August 2, 1948, 10 specimens
Shubenacadie, Grand Lake, June 4, 1948, 1 specimen
Sherbrooke, Guysborough Co., August 2, 1948, 1 specimen
River Inhabitants, Inverness Co., September 5, 1948, 6 specimens
LaHave River, Lunenburg Co., June 19, 1948, 17 specimens
Lake O'Law, Inverness Co., September 8, 1948, 17 specimens
Fullerton Lake, Cumberland Co., September 25, 1948, 4 specimens
Whiteburn Brook, Queens Co., July 1, 1949, 28 specimens
Mink Lake Brook, Bear River drainage, Annapolis Co., July 6,
1949, 1 specimen
Meteghan River, Digby Co., July 26, 1949, 3 specimens
Liverpool River, Maitland Bridge, Annapolis Co., July 6, 1949,
1 specimen
Grant Brook, Hants Co., June 12, 1949, 26 specimens
Little Lake, Grand Lake, Colchester Co., September 1, 1949,
21 specimens
Shinimicas River, Cumberland Co., August 23, 1950, 5 specimens
Gays River, Hants Co., July 9, 1950, 3 specimens
Brook near Three Mile Plains, Hants Co., July 15, 1950,
2 specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950, 1
specimen
Minampkeak Brook, Lunenburg Co., June 4, 1950, 8 specimens
Big Lake, Cumberland Co., August 27, 1950, 17 specimens
Trib. of Shinimicas River, Cumberland Co., August 23, 1950,
23 specimens
Gilbert Lake, Cumberland Co., September 24, 1950, 13 specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
20 specimens
River Philip, Cumberland Co., August 24, 1950, 10+ specimens
Millpond on branch of LaPlanche River, Cumberland Co., August
23, 1950, 39 specimens
Tidnish River, Cumberland Co., August 22, 1950, 3 specimens
Small lake near Lorne, July 19, 1950, 2 specimens
Shubenacadie River, Hants Co., July 9, 1950, 2 specimens
Shubenacadie River, Hants Co., July 9, 1950, 1 specimen

LaHave River, near Bridgewater, Lunenburg Co., June 2, 1950, 1 specimen
East River, Sheet Harbour, Halifax Co., July 18, 1950, 5 specimens
Lake between Milford and South Milford, Annapolis Co., July 13, 1955, 5 specimens
Dewar Lake, Cumberland Co., August 1, 1955, 3 specimens
Clyde River, Shelburne Co., July 17, 1955, 10 specimens
Pugwash River at Hansford, Cumberland Co., July 29, 1955, 36 specimens
Lake near Jeffers, Cumberland Co., July 29, 1955, 32 specimens
Mattatall Lake, Cumberland Co., August 1, 1955, 8 specimens
Stream from Earltown Lake, Colchester Co., August 2, 1955, 11 specimens
River at Parrsboro, Cumberland Co., July 29, 1955, 18 specimens
Blair Lake, Amherst, Cumberland Co., July 31, 1955, 35 specimens
Fullerton Lake, Cumberland Co., July 30, 1955, 35 specimens
Stream 1 mile W. of Halfway River Stn., Cumberland Co., July 30, 1955, 192 specimens
Stream 8 miles S. of River Hebert P. O., Cumberland Co., July 30, 1955, 3 specimens
Stewiacke River near Eastville, Colchester Co., August 28, 1955, 16 specimens
River Philip at Oxford, Cumberland Co., July 30, 1955, 112 specimens
Stream 1 mile from Shinimicas, Cumberland Co., July 31, 1955, 16 specimens
Stream from Lake Paul, Kings Co., July 18, 1955, 29 specimens
Big Lake, Cumberland Co., August 1, 1955, 2 specimens
Maitland Millpond, Hants Co., July 26, 1955, 11 specimens
McMullen Lake, Guysborough Co., August 26, 1955, 25 specimens
St. Mary's River near Still Water, Guysborough Co., August 25, 1955, 46 specimens
Melrose Lake, Guysborough Co., August 26, 1955, 98 specimens
French River at Oliver, Colchester Co., August 2, 1955, 72 specimens
"Ice Pond" NE of Amherst, Cumberland Co., July 31, 1955, 12 specimens
Melladay Lake near Lakelands, Cumberland Co., July 29, 1955, 8 specimens
Atkinson Brook, Cumberland Co., July 30, 1955, 17 specimens
Musquodoboit River E. of Upper Musquodoboit, Halifax Co., August 28, 1955, 4 specimens

Cognagun River at Walton River P. O., Hants Co., July 26, 1955,
48 specimens
Wentzell Lake, Lunenburg Co., July 18, 1955, 41 specimens
Millpond on stream from Grant Lake, Pictou Co., August 28, 1955,
13 specimens
Stream 2 miles E. of Parrsboro, Cumberland Co., July 29, 1955,
13 specimens
Stream near Dewar Lake, Cumberland Co., August 1, 1955, 2
specimens
E. of St. Mary's at Newtown, Guysborough Co., August 27, 1955,
13 specimens
Cornwallis River near Coldbrook, Kings Co., August 15, 1955,
23 specimens
East River Of Pictou 1 mile NW of Springvale, Pictou Co., August
28, 1955, 12 specimens
Halfway Brook, Halifax Co., August 24, 1955, 11 specimens
Eden Lake, Pictou Co., August 3, 1955, 22 specimens
Pond in stream at west edge of Middleton, Annapolis Co., August
15, 1955, 6 specimens
Kennetcook River, Hants Co., July 26, 1955, 8 specimens
Ponhook Lake, Queens Co., July 15, 1955, 2 specimens
Moser River at Highway number 7, Halifax Co., August 25, 1955,
1 specimen
Liscomb River, Guysborough Co., August 25, 1955, 3 specimens
Pond $\frac{1}{2}$ mile N. of Caledonia, Queens Co., July 13, 1955, 17
specimens
Highway Number 4 near road to Salt Springs Stn., Cumberland Co.,
August 7, 1955, 32 specimens
First branch Route number 3, SW corner Lunenburg Co., July 18,
1955, 8 specimens
3 miles SE of Shinimicas, Cumberland Co., July 31, 1955, 3
specimens
Eden Lake, Pictou Co., August 3, 1955, 4 specimens
Salmon River near Salmon River Lake, Guysborough Co., August
26, 1955, 1 specimen
Maitland Bridge, Annapolis Co., July 13, 1955, 32 specimens
River 2 miles N. of Elgin, Pictou Co., August 28, 1955, 6
specimens
Black River, Antigonish Co., August 27, 1955, 1 specimen
Five Mile River at Hayes Siding, Hants Co., August 27, 1955,
2 specimens
Stream near Latties Brook, Hants Co., August 27, 1955, 2
specimens

West River, Pictou Co., August 3, 1955, 2 specimens
Annapolis River at Aylesford, Kings Co., August 15, 1955, 10
specimens
South branch of Stewiacke River, Colchester Co., July 28, 1955,
9 specimens
Annapolis River at Middleton, Annapolis Co., August 15, 1955,
3 specimens
Tidnish River, 3 miles from Tidnish Bridge, Cumberland Co.,
1955, 1 specimen
Beaver Dam Pond, on stream from Woodward to Stanford Lake, Hants
Co., July 26, 1955, 1 specimen
Sackville River, Halifax Co., May 2, 1964, 2 specimens
River Philip, Cumberland Co., May 30, 1964, 18 specimens
Shubenacadie River, Halifax Co., July 23, 1965, 5 specimens

Minytrema melanops (Rafinesque) - Spotted sucker

Huron River, Michigan, U. S. A., September 1949, 2 specimens

Family Ictaluridae

Ictalurus natalis (LeSueur) - Yellow bullhead

Huron River, Michigan, U. S. A., September 23, 1949, 1 specimen

Ictalurus nebulosus (LeSueur) - Brown bullhead

Dartmouth Lake, Halifax Co., 1885, 1 specimen
2nd Dartmouth Lake, Halifax Co., May 20, 1910, 1 specimen
Red Lake, Annapolis Co., July 5, 1949, 1 specimen
Big Dam Lake, Annapolis Co., July 5, 1949, 3 specimens
Pretty Mary Lake, Annapolis Co., June 30, 1949, 1 specimen
Spectacle Lake, Digby Co., July 30, 1949, 4 specimens
Wigmore Lake, Cumberland Co., August 24, 1950, 5 specimens
Lake Jolly, Digby Co., June 28, 1955, 2 specimens
Big Lake, Cumberland Co., August 1, 1955, 1 specimen
South end Porters Lake, Digby Co., July 5, 1955, 1 specimen
Lake between Milford and South Milford, Annapolis Co., July 13,
1955, 63 specimens
Cedar Lake, Yarmouth Co., July 4, 1955, 2 specimens
Fancy Lake, Lunenburg Co., July 18, 1955, 77 specimens

Ponhook Lake, Queens Co., July 15, 1955, 11 specimens
Lake Kilarney, Cumberland Co., July 31, 1955, 1 specimen
Cameron Lake, Guysborough Co., August 26, 1955, 1 specimen
Long Lake, Lunenburg Co., June 7, 1968, 1 specimen

Family Anguillidae

Anguilla rostrata (LeSueur) - American eel

Nictaux River, Annapolis Co., June 1910, 2 heads only
Spectacle Brook, Digby Co., July 30, 1949, 37 specimens
Lower Spectacle Lake, Digby Co., July 30, 1949, 4 specimens
Small lake on Windsor Road near St. Croix, Hants Co., July 13,
1950, 1 specimen
Shubenacadie River, Hants Co., July 9, 1950, 1 specimen
Shubenacadie River, Hants Co., July 9, 1950, 1 specimen
Millpond on branch of LaPlanche River, Cumberland Co., August
23, 1950, 3 specimens
"Ice Pond" NE of Amherst, Cumberland Co., July 31, 1955, 1
specimen
Pond at Pond Cove, Brier Island, Digby Co., August 17, 1955,
1 specimen
Moser River, Halifax Co., August 25, 1955, 2 specimens
Whites Lake, Halifax Co., July 10, 1955, 6 specimens
Goose Creek, Shelburne Co., July 17, 1955, 1 specimen
Cognagun River, Hants Co., July 26, 1955, 1 specimen
Walton River, Hants Co., July 26, 1955, 1 specimen
Economy River, Colchester Co., July 28, 1955, 1 specimen
Blair Lake, Amherst, Cumberland Co., July 31, 1955, 1 specimen
Prospect Bay, Halifax Co., September 10, 1966, 4 specimens

Family Scomberesocidae

Scomberesox saures (Walbaum) - Atlantic saury

Halifax Harbour, Summer 1885, 7 specimens
Halifax Harbour, September 2, 1968, 2 specimens

Family Cyprinodontidae

Fundulus diaphanus (LeSueur) - Banded killifish

- Dauphinee Beach, Hubbards, Halifax Co., July 26, 1915, 10+ specimens
- Lake Henry, Halifax Co., June 12, 1946, 2 specimens
- Elliot Lake, Annapolis Co., July 11, 1946, 2 specimens
- Loch Lomond, C. B. I., September 26, 1948, 13 specimens
- Indian Harbour River, Guysborough Co., August 1, 1948, 3 specimens
- Gilbert Lake, Cumberland Co., September 24, 1948, 10+ specimens
- Fullerton Lake, Cumberland Co., September 25, 1948, 10+ specimens
- Lake Ainslie, Inverness Co., September 9, 1948, 10+ specimens
- Goshen Lake, Guysborough Co., August 3, 1948, 10+ specimens
- Lake number 2, Indian Harbour, Guysborough Co., August 1, 1948, 11 specimens
- LaHave River, Lunenburg Co., June 20, 1948, 11 specimens
- Pearl Lake, Yarmouth Co., September 15, 1948, 41 specimens
- Pearl Lake, Yarmouth Co., September 15, 1948, 1 specimen
- Le Grand Lac, Inverness Co., August 22, 1949, 10+ specimens
- Kejinkujik Lake, Queens Co., June 29, 1949, 10+ specimens
- Le Ti Lac, Inverness Co., August 22, 1949, 50 specimens
- Meteghan River, Digby Co., July 26, 1949, 44 specimens
- Warren Lake, Victoria Co., August 26, 1949, 10+ specimens
- Spectacle Lake, Digby Co., July 26, 1949, 57 specimens
- Dalem Lake, Victoria Co., August 29, 1949, 90 specimens
- Pollock Lake, Queens Co., July 2, 1949, 10+ specimens
- Dalem Lake, Victoria Co., August 29, 1949, 94 specimens
- Le Grand Lac, Inverness Co., August 22, 1949, 10+ specimens
- Little Lake, Grand Lake, Colchester Co., September 1, 1949, 10 + specimens
- Mink Lake Brook, Annapolis Co., July 6, 1949, 88 specimens
- Little Lake, Grand Lake, Colchester Co., September 1, 1949, 10+ specimens
- Pretty Mary Lake, Annapolis Co., June 30, 1949, 8 specimens
- Big Dam Lake, Annapolis Co., July 5, 1949, 49 specimens
- Minard Lake, Queens Co., June 30, 1949, 5 specimens
- Liverpool River, Annapolis Co., July 6, 1949, 50 specimens
- Big Lake, Cumberland Co., August 24, 1950, 10+ specimens
- Wigmore Lake, Cumberland Co., August 24, 1950, 6 specimens
- Small lake on Windsor Road near St. Croix, Hants Co., July 13, 1950, 15 specimens
- Blair Lake, Cumberland Co., August 23, 1950, 5 specimens

Park Lake, Cumberland Co., August 24, 1950, 108 specimens
Minampkeak Brook, Lunenburg Co., June 4, 1950, 297 specimens
Cameron Lake, Hants Co., July 13, 1950, 59 specimens
East River, Sheet Harbour, Halifax Co., July 18, 1950, 21
specimens
Gays River, Hants Co., July 9, 1950, 2 specimens
Brine Lake, Halifax Co., June 25, 1950, 10+ specimens
Stream from Burke Lake, Kings Co., July 18, 1955, 5 specimens
Tusket River near power dam, Yarmouth Co., July 3, 1955, 11
specimens
Ray Lake, Hants Co., July 26, 1955, 2 specimens
Stream from Lake Paul, Kings Co., July 18, 1955, 1 specimen
Salmon River, Guysborough Co., August 26, 1955, 1 specimen
Lake, $44^{\circ}19'N$. $60^{\circ}56'30''W$., Digby Co., July 2, 1955, 7 specimens
Tidnish River, Cumberland Co., July 31, 1955, 4 specimens
Stream W. of Halfway River Stn., Cumberland Co., July 30, 1955,
1 specimen
Danvers Lake, Digby Co., July 2, 1955, 12 specimens
Millpond on stream from Grant Lake, Pictou Co., August 28,
1955, 6 specimens
Lake $1\frac{1}{2}$ miles S. of Oxford, Cumberland Co., August 7, 1955, 8
specimens
1 mile NW of Charleston, Medway River, Queens Co., July 15,
1955, 1 specimen
Maitland Millpond, Hants Co., July 26, 1955, 3 specimens
Isaac Lake, Cumberland Co., August 3, 1955, 18 specimens
Short Lake, Colchester Co., July 27, 1955, 2 specimens
Annapolis River at Middleton, Annapolis Co., August 15, 1955,
2 specimens
Eden Lake, Pictou Co., August 27, 1955, 13 specimens
Moser River, Halifax Co., August 24, 1955, 18 specimens
Lake S. of Oxford, Cumberland Co., August 1, 1955, 25 specimens
Bridge End Lake, Halifax Co., August 24, 1955, 6 specimens
Fancy Lake, Lunenburg Co., July 18, 1955, 13 specimens
Salmon Lake, Yarmouth Co., July 3, 1955, 11 specimens
Milbury Lake, North Mountain, Annapolis Co., July 6, 1955, 4
specimens
Clyde River, Shelburne Co., July 17, 1955, 18 specimens
NW end Great Pubnico Lake, Yarmouth Co., July 17, 1955, 2
specimens
Ponhook Lake, Queens Co., July 15, 1955, 32 specimens
Wentzell Lake, Lunenburg Co., July 18, 1955, 14 specimens

- Birchtown Lake, near Welchtown, Shelburne Co., July 16, 1955,
13 specimens
- Big Lake, Cumberland Co., August 1, 1955, 48 specimens
- Mattatall Lake, Cumberland Co., August 1, 1955, 20 specimens
- Elliot Lake, Annapolis Co., July 6, 1955, 18 specimens
- Maitland Bridge, Annapolis Co., July 13, 1955, 22 specimens
- Stream near Lake George, Shelburne Co., July 16, 1955, 10
specimens
- Blair Lake, Amherst, Cumberland Co., July 31, 1955, 57 specimens
- McMullen Lake, Guysborough Co., August 26, 1955, 47 specimens
- Dewar Lake, Cumberland Co., August 1, 1955, 24 specimens
- Lake near Jeffers, Cumberland Co., July 29, 1955, 36 specimens
- River at Parrsboro, Cumberland Co., July 29, 1955, 25 specimens
- Cognagun River at Walton River P. O., Hants Co., July 26, 1955,
50 specimens
- 3 miles NW of Charleston, Medway River, Queens Co., July 15,
1955, 24 specimens
- Noel Lake, Hants Co., July 26, 1955, 37 specimens
- Earltown Lake, Colchester Co., August 2, 1955, 92 specimens
- Lake Kilarney, Cumberland Co., July 31, 1955, 37 specimens
- Melladay Lake, near Lakelands, Cumberland Co., July 29, 1955,
39 specimens
- Eden Lake, Pictou Co., August 3, 1955, 76 specimens
- Melrose Lake, Guysborough Co., August 26, 1955, 27 specimens
- Lake between Milford and South Milford, Annapolis Co., July
13, 1955, 55 specimens
- Sprague Lake, Digby Co., July 4, 1955, 5 specimens
- Cumminger Lake at Melrose, Guysborough Co., August 25, 1955,
25 specimens
- Pond $\frac{1}{2}$ mile N. of Caledonia, Queens Co., July 13, 1955, 1
specimen
- St. Mary's River, near Still Water, Guysborough Co., August
25, 1955, 3 specimens
- Pond 1 mile N. of Shubenacadie, Hants Co., July 27, 1955, 3
specimens
- Paper Mill Lake, Halifax Co., May 27, 1964, 3 specimens
- Lake Echo, Halifax Co., May 12, 1964, 3 specimens
- Lake Echo, Halifax Co., May 12, 1964, 1 specimen

Fundulus heteroclitus (Linnaeus) - Mummichog

- Sambro, Halifax Co., August 28, 1947, 5 specimens

- * Canso, Guysborough Co., November 17, 1947, 2 specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
1 specimen
Pond Cove, SW pond, Briar Island, Digby Co., June 30, 1955,
89 specimens
Goose Creek, Shelburne Co., July 17, 1955, 42 specimens
Pond near Sandy Cove, Digby Co., July 17, 1955, 39 specimens
Tidal river near Pubnico, Yarmouth Co., July 17, 1955, 39
specimens
Walton River, above Walton, Hants Co., July 26, 1955, 23
specimens
Pond 1 mile NW of Whipple Point, Briar Island, Digby Co.,
August 17, 1955, 9 specimens
Sprague Lake, Digby Co., July 4, 1955, 1 specimen
5 miles N. of Whipple Point, Briar Island, Digby Co., June 30,
1955, 2 specimens
Bay, 1 mile E. of Wallace, on Highway number 6, Cumberland Co.,
July 19, 1955, 5 specimens
Prospect Bay, Halifax Co., September 10, 1966, 18 specimens
Pond on east side of McNab's Island, Halifax Co., August 18,
1966, 1 specimen

*Det. as Fundulus majalis (Walbaum)? - Striped killifish

Fundulus notatus (Rafinesque) - Blackstripe topminnow

Huron River, Michigan, U. S. A., September 23, 1949, 21 specimens

Family Syngnathidae

Syngnathus fuscus Storer - Northern pipefish

- Whycocomagh Bay, Inverness Co., July 1903, 1 specimen
North West Arm, Halifax Co., May 11, 1909, 1 specimen
Mill Cove, Dartmouth, Halifax Co., May 16, 1910, 2 specimens
Hubbards Cove, Halifax Co., July 25, 1918, 2 specimens
North West Arm, Halifax Co., June 17, 1918, 1 specimen
Brackish salt marsh, shallows, Cole Harbour, Halifax Co.,
July 17, 1947, 1 specimen
* Musquodoboit, Halifax Co., June 14, 1957, 2 specimens

near Sambro, Halifax Co., May 2, 1962, 1 specimen

*Det. as Fistularia tabacaria

Family Gasterosteidae

Apeltes quadracus (Mitchill) - Fourspine stickleback

- off Halifax, 1877, 2 specimens
- Cole Harbour, Halifax Co., July 17, 1947, 14 specimens
- Gilbert Lake, Cumberland Co., September 24, 1948, 2 specimens
- Fullerton Lake, Cumberland Co., September 25, 1948, 2 specimens
- Little Lake, Grand Lake, Hants Co., September 1, 1949, 19 specimens
- Grant Brook, Hants Co., June 12, 1949, 1 specimen
- Gays River, Hants Co., July 9, 1950, 1 specimen
- Tidnish River, Cumberland Co., August 22, 1950, 9 specimens
- Blair Lake, Cumberland Co., August 23, 1950, 22 specimens
- Brook near Three Mile Plain, Hants Co., July 13, 1950, 1 specimen
- Pond in stream at west edge of Middleton, Annapolis Co., August 15, 1955, 14 specimens
- Stream 1 mile W. of Halfway River Station, Cumberland Co., July 30, 1955, 8 specimens
- Blair Lake, Amherst, Cumberland Co., July 31, 1955, 31 specimens
- Annapolis River at Aylesford, Kings Co., August 15, 1955, 13 specimens
- Walton River at Walton, Hants Co., July 26, 1955, 47 specimens
- Cornwallis River, near Coldbrook, Kings Co., August 15, 1955, 23 specimens
- Pond 1 mile N. of Shubenacadie, Hants Co., July 27, 1955, 1 specimen
- Stream from Noel Lake, Hants Co., July 26, 1955, 13 specimens
- Fullerton Lake, at Newville, Cumberland Co., July 30, 1955, 6 specimens
- River at Parrsboro, Cumberland Co., July 29, 1955, 3 specimens
- South branch of Stewiacke River, 2 miles from Stewiacke, Colchester Co., July 28, 1955, 1 specimen
- River Philip, at Oxford, Cumberland Co., August 1, 1955, 1 specimen
- Lake near Jeffers, Cumberland Co., July 29, 1955, 2 specimens
- Short Lake, Colchester Co., July 27, 1955, 1 specimen

Annapolis River, at Middleton, Annapolis Co., August 15, 1955,
3 specimens
Lakeville Pond, Kings Co., August 15, 1955, 1 specimen

Gasterosteus aculeatus Linnaeus - Threespine stickleback

- * Canal, under bridge near St. James Church, Dartmouth, Halifax
Co., April 29, 30, 1910, 10+ specimens
- ** Mouth of Sissibou River, St. Mary's Bay, Digby Co., June 30,
1919, 5 specimens
- Cole Harbour, Halifax Co., July 17, 1947, 14 specimens
- Middle River, Victoria Co., September 7, 1948, 7 specimens
- Copper Lake, Antigonish Co., August 1948, 3 specimens
- River Inhabitants, Inverness Co., September 5, 1948, 12
specimens
- Lake O'Law, Inverness Co., September 1948, 14 specimens
- Grant Brook, Hants Co., June 12, 1949, 12 specimens
- Le Grand Lac, Inverness Co., August 22, 1949, 39 specimens
- Shinimicas River, Cumberland Co., August 23, 1950, 8 specimens
- Park Lake, Cumberland Co., August 24, 1950, 67 specimens
- Tidnish River, Cumberland Co., August 22, 1950, 2 specimens
- Branch of Shinimicas River, Cumberland Co., August 23, 1950,
1 specimen
- Branch of Shinimicas River, Cumberland Co., August 23, 1950,
16 specimens
- Trib. of Shinimicas River, Cumberland Co., August 23, 1950,
54 specimens
- Gays River, Hants Co., July 9, 1950, 4 specimens
- River Philip, Cumberland Co., August 24, 1950, 10+ specimens
- Pond at Alexandra, Queens Co., P.E.I., August 6, 1955, 6
specimens
- Pond near Millview, Queens Co., P.E.I., August 6, 1955, 19
specimens
- Vernon River, Queens Co., P.E.I., August 7, 1955, 42 specimens
- Pond at West River at Bonshaw, Queens Co., P.E.I., August 7,
1955, 6 specimens
- Pond at McLellan Mountain, Pictou Co., August 3, 1955, 9
specimens
- Musquodoboit River, Halifax Co., August 28, 1955, 8 specimens
- River 2 miles N. of Elgin, Pictou Co., August 28, 1955, 5
specimens
- East St. Mary's River at Newtown, Guysborough Co., August 27,
1955, 1 specimen

Pond in stream at west edge of Middleton, Annapolis Co., August
15, 1955, 12 specimens
Melrose Lake, Guysborough Co., August 26, 1955, 2 specimens
Stream from Cameron Lake, Guysborough Co., August 26, 1955, 1
specimen
Stream 1 mile WSW of Monastery, Antigonish Co., August 27, 1955,
5 specimens
Black River at Pomquet Forks, Antigonish Co., August 27, 1955,
3 specimens
East River Of Pictou, 1 mile NW of Springvale, Pictou Co.,
August 28, 1955, 6 specimens
Stewiacke River, near Eastville, Colchester Co., August 28,
1955, 1 specimen
Walton River, above Walton, Hants Co., July 26, 1955, 6
specimens
Maitland Millpond, $2\frac{1}{2}$ miles S. of Maitland, Hants Co., July
26, 1955, 2 specimens
Debert River, Colchester Co., July 28, 1955, 13 specimens
Stream at Great Village, Colchester Co., July 28, 1955, 22
specimens
Economy River, Colchester Co., July 28, 1955, 1 specimen
Stream 8 miles E. of Parrsboro, Cumberland Co., July 29, 1955,
8 specimens
River at Parrsboro, Cumberland Co., July 29, 1955, 3 specimens
Annapolis River at Middleton, Annapolis Co., August 15, 1955,
3 specimens
Stream 1 mile W. of Halfway River Station, Cumberland Co.,
July 30, 1955, 2 specimens
Stream 1 mile from Shinimicas, Cumberland Co., July 31, 1955,
4 specimens
3 miles SE of Shinimicas, Cumberland Co., July 31, 1955, 8
specimens
River Philip at Oxford, Cumberland Co., August 1, 1955, 21
specimens
Lake, 1 mile S. of Oxford, Cumberland Co., August 1, 1955, 16
specimens
Stream near Dewar Lake, Cumberland Co., August 1, 1955, 6
specimens
French River at Oliver, Colchester Co., August 2, 1955, 1
specimen
West River at Salt Springs, Pictou Co., August 3, 1955, 33
specimens

Middle River near Alma, Pictou Co., August 3, 1955, 1 specimen
Highway number 4 on road to Salt Springs Station, Cumberland
Co., August 7, 1955, 13 specimens
Pugwash River at Hansford, Cumberland Co., August 8, 1955, 65
specimens
Stream $5\frac{1}{2}$ miles from Collingwood Corner, August 8, 1955, 1
specimen
Cornwallis River, near Coldbrook, Kings Co, August 15, 1955,
4 specimens
Annapolis River at Aylesford, Kings Co., August 15, 1955, 6
specimens
River Philip, Cumberland Co., May 30, 1964, 9 specimens
River Philip, Cumberland Co., May 31, 1964, 14 specimens

*Det. as Cladiunculus bispinosus (Walbaum)

**Det. as Gasterosteus gladiunculus

Pungitius pungitius (Linnaeus) - Ninespine stickleback

Gully Brook, Lunenburg Co., 1946, 1 specimen
Zwicker Brook, Lunenburg Co., 1946, 2 specimens
Cranberry Lake, Halifax Co., August 4, 1947, 3 specimens
Hubley Big Lake, Halifax Co., June 24, 1948, 4 specimens
Loch Lomond, Cape Breton Co., September 26, 1948, 10+ specimens
LaHave River, Lunenburg Co., 1948, 3 specimens
Lake Ainslie, Inverness Co., September 9, 1948, 4 specimens
Centreville Lake, Digby Neck, Digby Co., July 28, 1949, 147
specimens
Little Lake, Grand Lake, Colchester Co., September 1, 1949, 5
specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
4 specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
28 specimens
Branch of Shinimicas River, Cumberland Co., August 23, 1950,
12 specimens
River Philip, Cumberland Co., August 24, 1950, 10 specimens
Park Lake, Cumberland Co., August 24, 1950, 1 specimen
Cameron Lake, Hants Co., July 13, 1950, 36 specimens
Midway Lake, Digby Neck, Digby Co., June 28, 1955, 30 specimens
Cape Forshu, Yarmouth Co., July 3, 1955, 6 specimens
South end of Porters Lake, Digby Co., July 5, 1955, 1 specimen

Lake between Milford and South Milford, Annapolis Co., July
13, 1955, 1 specimen
Stream near Lake George, Shelburne Co., July 16, 1955, 1
specimen
1st Brook 15 miles inside SW corner of Lunenburg Co., July
18, 1955, 1 specimen
Stream from Lake Paul, Kings Co., July 18, 1955, 1 specimen
Beaver dam pond on stream from Woodward-Stanford Lake, Hants
Co., July 26, 1955, 10 specimens
Walton River above Walton, Hants Co., July 26, 1955, 4 specimens
Debert River, Colchester Co., July 28, 1955, 39 specimens
Stream at Great Village, Colchester Co., July 28, 1955, 2
specimens
Economy River, Colchester Co., July 28, 1955, 1 specimen
River at Parrsboro, Cumberland Co., July 29, 1955, 3 specimens
Stream 1 mile from Shinimicas, Cumberland Co., July 31, 1955,
7 specimens
3 miles SE of Shinimicas, Cumberland Co., July 31, 1955, 37
specimens
River Philip at Oxford, Cumberland Co., August 1, 1955, 3
specimens
Big Lake, Cumberland Co., August 1, 1955, 5 specimens
River near West River Station, Pictou Co., August 3, 1955,
14 specimens
Highway number 4 on road to Salt Springs Station, Cumberland
Co., August 7, 1955, 1 specimen
Lake, $1\frac{1}{2}$ miles S. of Oxford, Cumberland Co., August 7, 1955,
4 specimens
Cornwallis River, near Coldbrook, Kings Co., August 15, 1955,
2 specimens
Lakeville Pond, Kings Co., August 15, 1955, 21 specimens
Annapolis River at Aylesford, Kings Co., August 15, 1955, 2
specimens
Annapolis River at Middleton, Kings Co., August 15, 1955, 4
specimens
Pond in stream at west edge of Middleton, Annapolis Co.,
August 15, 1955, 3 specimens
Salmon River at Port Dufferin, Halifax Co., August 14, 1955,
9 specimens
Hurley Lake, Guysborough Co., August 26, 1955, 6 specimens
Paper Mill Lake, Halifax Co., May 27, 1964, 4 specimens
Shubenacadie River, Hants Co., July 23, 1965, 1 specimen
Pond east side McNab's Island, Halifax Co., August 18, 1966,
50 specimens

Culaea inconstans (Kirtland) - Brook stickleback

* Miramichi River, N. B., August 19, 1954, 4 specimens

*Det. as Eucalia inconstans Kirtland

Family Gadidae

Pollachius virens (Linnaeus) - Pollock

Broad Cove, Digby Neck, Digby Co., June 26, 1955, 1 specimen

Enchelyopus cimbrius (Linnaeus) - Fourbeard rockling

North West Arm, Halifax Co., May 17, 1901, 1 specimen

Merluccius bilinearis (Mitchill) - Silver hake

off Halifax Harbour, 1877, 1 specimen

Family Macrouridae

Coryhaenoides rupestris Gunnerus - Rock grenadier

at Emerald Bank, N. S., September 1968, 1 specimen

Family Zeidae

Zenopsis ocellata (Storer) - American John Dory

off Nova Scotia, March 1959, 1 specimen

Family Centrarchidae

Ambloplites rupestris (Rafinesque) - Rock bass

Huron River, Michigan, U. S. A., September 23, 1949, 10
specimens

Lepomis cyanellus Rafinesque - Green sunfish

Huron River, Michigan, U. S. A., 1949, 24 specimens

Lepomis gibbosus (Linnaeus) - Pumpkinseed

Huron River, Michigan, U. S. A., September 23, 1949, 31 specimens
Canaan River, N. B., August 22, 1954, 2 specimens

Lepomis macrochirus Rafinesque - Bluegill

Huron River, Michigan, U. S. A., September 23, 1949, 40
specimens

Lepomis megalotis (Rafinesque) - Longear sunfish

Huron River, Michigan, U. S. A., September 23, 1949, 7
specimens

Micropterus salmoides (Lacepede) - Largemouth bass

Huron River, Michigan, U. S. A., September 23, 1949, 4 specimens

Family Percidae

Etheostoma microperca Jordan and Gilbert - Least darter

Huron River, Michigan, U. S. A., September 23, 1949, 4 specimens

Perca flavescens (Mitchill) - Yellow perch

Milford, Shubenacadie River, Halifax-Hants Co., August 9, 1919,
1 specimen

Musquodoboit River, Halifax Co., June 23, 1924, 2 specimens

Gilbert Lake, Cumberland Co., September 24, 1948, 1 specimen

Sherbrooke, Guysborough Co., August 2, 1948, 1 specimen
Copper Lake, Antigonish Co., August 1948, 2 specimens
Big Dam Lake, Annapolis Co., July 5, 1949, 56 specimens
Pollock Lake, Queens Co., July 2, 1949, 32 specimens
Red Lake, Annapolis Co., July 1, 1949, 3 specimens
Red Lake, Maitland Bridge, Annapolis Co., July 5, 1949, 5
specimens
Little River, above Big Dam Lake, Annapolis Co., July 5, 1949,
22 specimens
Pretty Mary Lake, Annapolis Co., June 30, 1949, 26 specimens
Spectacle Lake, Digby Co., July 26, 1949, 313 specimens
Red Lake, Annapolis Co., June 29, 1949, 4 specimens
Little Lake, Grand Lake, Colchester Co., September 1, 1949, 3
specimens
Mink Lake Brook, Bear River Drainage, Annapolis Co., July 5,
1949, 25 specimens
Meteghan Lake, Digby Co., July 26, 1949, 1 specimen
Kejinkujik Lake, Queens Co., July 29, 1949, 1 specimen
Minard Lake, Queens Co., June 30, 1949, 4 specimens
Minampkeak Brook, Lunenburg Co., June 4, 1950, 20 specimens
Small lake near Lorne on road from Eastville to Hopewell,
Pictou Co., July 19, 1950, 16 specimens
Big Lake, Cumberland Co., July 29, 1950, 31 specimens
East River, Sheet Harbour, Halifax Co., July 18, 1950, 14
specimens
Wigmore Lake, Cumberland Co., August 24, 1950, 3 specimens
Birchtown Lake, near Welchtown, Shelburne Co., July 16, 1955,
14 specimens
Lake near Jeffers, Cumberland Co., July 19, 1955, 3 specimens
Ray Lake, near Latties Brook, Hants Co., July 26, 1955, 12
specimens
Bower Lake, Shelburne Co., July 17, 1955, 3 specimens
Blair Lake, near Amherst, Cumberland Co., July 31, 1955, 39
specimens
Lake Jolly, Digby Co., June 28, 1955, 2 specimens
Pond $\frac{1}{2}$ mile N. of Caledonia, Queens Co., July 13, 1955, 12
specimens
Cummings Lake, at Melrose, Guysborough Co., August 25, 1955,
20 specimens
Eden Lake, Pictou Co., August 27, 1955, 1 specimen
Big Lake, Cumberland Co., August 1, 1955, 3 specimens
Dewar Lake, Cumberland Co., August 1, 1955, 2 specimens

Huron River, Michigan, U. S. A. September 23, 1949, 1 specimen

Sprague Lake, Digby Co., July 4, 1955, 1 specimen
Upper Spectacle Lake, Digby Co., July 5, 1955, 66 specimens
Aylesford Lake, Kings Co., July 18, 1955, 34 specimens
Melrose Lake, Guysborough Co., August 26, 1955, 10 specimens
Eden Lake, Pictou Co., August 3, 1955, 2 specimens
Wentzell Lake, Lunenburg Co., July 18, 1955, 16 specimens
Lake between Milford and South Milford, Annapolis Co., July
13, 1955, 10 specimens
Fancy Lake, Lunenburg Co., July 18, 1955, 6 specimens
McMullen Lake, Guysborough Co., August 1, 1955, 21 specimens

Family Serranidae

Roccus americanus (Gemlin) - White perch

Cole Harbour, Halifax Co., May 2, 1901, 1 specimen
Cole Harbour, Halifax Co., May 30, 1902, 1 specimen
Cow Bay, Halifax Co., May 25, 1910, 3 specimens
Cow Bay Pond, Cow Bay, Halifax Co., August 5, 1910, 4 specimens
Shubenacadie, Halifax Co., June 4, 1948, 1 specimen
Lake Ainslie, Inverness Co., September 8, 1948, 117 specimens
Warren Lake, Victoria Co., October 26, 1949, 2 specimens
Big Dam Lake, Annapolis Co., July 5, 1949, 37 specimens
Le Grand Lac, Inverness Co., October 22, 1949, 35 specimens
Pollock Lake, Queens Co., July 2, 1949, 2 specimens
Warren Lake, Victoria Co., October 26, 1949, 12 specimens
Big Dam Lake, Annapolis Co., July 5, 1949, 24 specimens
Warren Lake, Victoria Co., October 26, 1949, 1 specimen
Big Dam Lake, Annapolis Co., July 5, 1949, 36 specimens
Pretty Mary Lake, Annapolis Co., June 30, 1949, 1 specimen
Big Dam Lake, Annapolis Co., July 5, 1949, 33 specimens
Big Lake, Cumberland Co., August 25, 1950, 9 specimens
Blair Lake, Cumberland Co., August 23, 1950, 15 specimens
McGill Lake, Yarmouth Co., June 12, 1955, 1 specimen
Cedar Lake, Yarmouth Co., July 4, 1955, 1 specimen
First Lake, Sackville area, Halifax Co., June 7, 1964, 3
specimens

Micropterus dolomieu Lacepede - Smallmouth bass

Huron River, Michigan, U. S. A., September 23, 1949, 1 specimen

Blair Lake, Cumberland Co., July 31, 1955, 3 specimens

Family Pomatomidae

Pomatomus saltatrix (Linnaeus) - Bluefish

Prospect, Halifax Co., 1968, 1 specimen

Family Carangidae

Caranx crysos (Mitchill) - Blue runner

Prospect, Halifax Co., October 21, 1968, 1 specimen

Seriola zonata (Mitchill) - Banded rudderfish

off Pier 34, Halifax Harbour, September 16, 1968, 1 specimen

Naucrates ductor (Linnaeus) - Pilotfish

Halifax Harbour, August 1885, 1 specimen

Family Coryphaenidae

Coryphaena hippurus Linnaeus - Dolphin

Bedford Basin, Halifax Co., August 7, 1901, 1 specimen

Family Labridae

Tautoga onitis (Linnaeus) - Tautog

Scott's Bay, Kings Co., June 12, 1902, 1 specimen

Petpeswick Harbour, Halifax Co., May 21, 1903, 1 specimen

Tautogolabrus adspersus (Walbaum) - Cunner

Nova Scotia, 1877, 1 specimen
SW end Cheticamp, Inverness Co., June 15, 1917, 16 specimens
Mahone Bay, Lunenburg Co., June 16, 1961, 1 specimen

Family Ammodytidae

Ammodytes americanus DeKay - American sand lance

West side McNab's Island, Halifax Harbour, July 13, 1930, 1 specimen
Three Fathom Harbour, Halifax Harbour, June 6, 1965, 1 specimen

Family Scombridae

Sarda sarda (Bloch) - Atlantic bonito

Halifax Harbour, August 1885, 2 specimens

Scomber scombrus Linnaeus - Atlantic mackerel

Queensport, Guysborough Co., 1905, 1 specimen (Length 25")
Prospect, Halifax Co., September 1-15, 1968, 5 specimens

Family Pholidae

Pholis gunnellus (Linnaeus) - Rock gunnel

off Chance Harbour, Pictou Co., May 22, 1954, 1 specimen
Partridge Island, Cumberland Co., September 24, 1957, 4 specimens
off Two Islands, near Parrsboro, Cumberland Co., August 18, 1958, 3 specimens
Tide pool, 1 mile E. of Summerville, Highway number 3, Queens Co., July 6, 1959, 3 specimens
Mahone Bay, Lunenburg Co., June 16, 1961, 1 specimen

Family Stichaeidae

Cryptacanthodes maculatus Storer - Wrymouth

Prospect, Halifax Co., December 7, 1964, 1 specimen of ghost fish

Ulvaria subbifurcata (Storer) - Radiated shanny

Northumberland Strait, 10 specimens

Seacomb Island, Mahone Bay, Lunenburg Co., June 16, 1961, 2 specimens

North West Arm, Halifax Co., June 4, 1965, 1 specimen

North West Arm, Halifax Co., September 24, 1966, 1 specimen

Family Zoarcidae

Macrozoarces americanus (Bloch & Schneider) - Ocean pout

Nova Scotia, 1877

Family Stromateidae

Palinurichthys perciformis (Mitchill) - American barrelfish

off Volgers Cove, Lunenburg Co., October 1951, 1 specimen

Poronotus tricanthus (Peck) - Butterfish

Prospect, Halifax Co., Summer 1964, 1 specimen

Hopson Island, Prospect, Halifax Co., October 26, 1968, 1 specimen

Family Mugilidae

Mugil cephalus Linnaeus - Striped mullet

- Prospect Bay, Halifax Co., September 10, 1966, 57 specimens
- Prospect Bay, Halifax Co., September 1, 1966, 2 specimens
- Prospect Bay, Halifax Co., September 6, 1966, 4 specimens
- Prospect Bay, Halifax Co., September 24, 1968, 7 specimens
- Prospect Bay, Halifax Co., September 29, 1968, 11 specimens
- Prospect Bay, Halifax Co., October 1, 1968, 2 specimens
- Prospect Bay, Halifax Co., October 8, 1968, 16 specimens
- Prospect Bay, Halifax Co., October 12, 1968, 10 specimens
- Prospect Bay, Halifax Co., October 17, 1968, 2 specimens
- Prospect Bay, Halifax Co., October 22, 1968, 14 specimens
- Prospect Bay, Halifax Co., October 28, 1968, 14 specimens
- Prospect Bay, Halifax Co., October 29, 1968, 1 specimen

Family Atherinidae

Menidia menidia (Linnaeus) - Atlantic silverside

- off Halifax, N. S., 1877, 7 specimens
- Cole Harbour, Halifax Co., May 4, 1917, 48 specimens
- Cole Harbour, Halifax Co., July 17, 1947, 5 specimens
- Walton River, Hants Co., July 26, 1955, 1 specimen
- Cognagun River, Hants Co., July 26, 1955, 1 specimen
- Gulf of St. Lawrence, bay at Stanly Bridge, Queens Co., P.E.I.,
July 18, 1959, 10 specimens

Labidesthes sicculus (Cope) - Brook silverside

- Huron River, Michigan, U. S. A., September 22, 1949, 8 specimens

Family Cottidae

Hemitripterus americanus (Gmelin) - Sea raven

- Nova Scotia, 2 specimens
- Ferry Wharf, mouth of North West Arm, Halifax Co., August 22,
1921, 1 specimen

Myoxocephalus aeneus (Mitchill) - Grubby

St. Lawrence estuary near Cap-au-Renard, Gaspé, P. Q., 4 specimens

Family Agonidae

Aspidophoroides monoptyerygius (Bloch) - Alligatorfish

off Halifax, 1877, 1 specimen

Family Cyclopteridae

Cyclopterus lumpus Linnaeus - Lumpfish

Halifax, August 26, 1904, 1 specimen

North West Arm at Jollimore, Halifax Co., October 11, 1923, 1 specimen

Two Islands, Parrsboro, Cumberland Co., September 24, 1957, 2 specimens

Prospect, Halifax Co., December 7, 1964, 1 specimen

Prospect, Halifax Co., Nov.-Dec., 1966, 1 specimen

Liparis atlanticus (Jordan and Evermann) - Atlantic seasnail

Nova Scotia, 3 specimens

Finlay Cove, W. side McNab's Island, Halifax Harbour, February 16, 1926, 1 specimen

Family Pleuronectidae

Pseudopleuronectes americanus (Walbaum) - Winter flounder

Cole Harbour, Halifax Co., May 1901, 2 specimens

Eastern Passage, Halifax Co., April 29, 1910, 2 specimens

Northumberland Strait, between N. B., and P.E.I., Summer 1959, 5 specimens

Liopsetta putnami (Gill) - Smooth flounder

near Halifax, N. S., about January 4, 1920, 1 specimen

Limanda ferruginea (Storer) - Yellowtail flounder

Northumberland Strait, 5 specimens

Hippoglossoides platessoides (Fabricius) - American plaice

Emerald Bank, Nova Scotia, February 1, 1969, 1 specimen (young)

Family Echeneidae

Romora remora (Linnaeus) - Remora

Prospect, Halifax Co., Summer 1964, 1 specimen
area 6, S, of Georges Bank, 1968, 1 specimen

Echeneis naucrates Linnaeus - Sharksucker

Nova Scotia, 2 specimens

Family Balistidae

Balistes capriscus Gmelin - Gray triggerfish

- Halifax Harbour, Halifax Co., August 25, 1910, 1 specimen
* Lawlor's Island, Eastern Passage, Halifax Co., October 24,
1935, 1 dry specimen

*Specimen found dead on shore.

Balistes vetula Linnaeus - Queen triggerfish

- * St. Margaret's Bay, 1 specimen

*This is doubtless the specimen of B. capriscus in the Halifax

Museum taken at St. Margaret's Bay, N. S., mentioned in Jones' "List of the Fishes of Nova Scotia" N. S. I. S. Proceed. V. 5, Pt. 1, 1879, pg. 95.

Family Monacanthidae

Monacanthus hispidus (Linnaeus) - Placehead filefish

near Bald Rock, 1 mile S. of Prospect, Halifax Co., September 20, 1922, 1 specimen

Family Diodontidae

Chilomycterus schoepfi (Walbaum) - Striped burrfish

* Deep water off Sambro, Halifax Co., Summer 1896, 1 specimen

*See N. S. I. S. Proceed. 10 (110-111)

Family Lophiidae

Lophius americanus Valenciennes - Monkfish

Mouth of Halifax Harbour, 1871, 5 specimens
East side of Partridge Island, Cumberland Co., September 24, 1957, 1 specimen

Family Ceratiidae

Ceratias holboelli Krøyer - Deepsea angler

* Cole Harbour Dike, Halifax Co., January 1884, 1 specimen dry

*See N. S. I. S. Proceed. V. 6, No. 1, pg. 85-87.