Marine Fishes of British Columbia (2002)
by
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Draft only, to be updated.

With the pressure to expand world fisheries and exploitation of new stocks, attention off western Canada has expanded into deeper waters, with additional species being added to our known fauna, especially those from deep waters off the Continental Slope (Gillespie, pers. comm.). Compared to 408 species noted in the 2000 list (Resources Inventory Committee 2000), the following raises known fauna to 409 marine fish species within the 200-mile Canadian fishery zone in the eastern North Pacific Ocean. Of these, six require better documentation (Bathyraja aleutica, Nansenia crassa, Notopterus resplendens, Sebastes polyacanthus, and Heterostichus rostratus) and are not all included in this total. Species such as Barbourisella rufa represent a new taxon for Canadian waters but require additional investigation as to final identification (marked “†”). An additional 16 species are known to be close to, but not within the Canadian fisheries boundary. At least another ten are known north and south of, but not within Canadian waters. Twenty-five species (indicated by “#”) have been found in both fresh and salt water on both the marine and freshwater lists. Classification is adapted from Nelson (1994). Nomenclature changes of species names were also adapted from the new publication, Fishes of Alaska, by Mecklenburg et al. (2002). Four introduced species are indicated by a “†”.

There are a number of fish records on Love’s fish list (WEBB page 2001) including subtropical fish species in British Columbia. Some of these coincide with years of El Nino and are included for completeness (see Pearcy and Schoener 1987). In general, lists covering the north-eastern Pacific are often imprecise in defining objective faunal boundaries, with those listed west of Cape Flattery often considered American despite the south-westward orientation of the international fishery boundary.

The following species are removed from previous lists of marine fishes: Squatina californica is not known in Canadian waters; and Occella impi is not a valid species.

SUPERCLASS AGNATHA: Jawless Fishes

CLASS MYXINI: Hagfishes

ORDER MYXINIFORMES: Hagfishes

FAMILY MYXINIDAE: Hagfishes

Eptatretus deani (Evermann & Goldsborough) Black Hagfish F-EPDE
Eptatretus stouti (Lockington) Pacific Hagfish F-EPST

1 Squatina record from Howe Sound based on SCUBA observation and publication of a photograph and was included in previous lists (Resources Inventory Committee 2000). This photograph proved to be from American waters, and thus not documentation of a Canadian record.

2 Evidence to be published will place Occella impi Gruchy as a junior synonym of Stellerina xyosterna.
ORDER CEPHALASPIDOMORPHI

FAMILY PETROMYXONTIDAE: Lampreys
# Lampetra ayresi (Gunther) River Lamprey F-LAAY
# Lampetra tridentata (Gairdner) Pacific Lamprey F-LATR

CLASS CHONDRICHTHYS: Cartilaginous Fishes

ORDER CHIMAERIFORMES: Modern Chimaeras

FAMILY CHIMAERIDAE: Chimaeras
Hydrolagus coliei (Lay & Bennett) Spotted Ratfish F-HYCO

ORDER HEXANCHIFORMES: Sixgill and Sevengill Sharks

FAMILY HEXANCHIDAE: Cow Sharks
Hexanchus griseus (Bonnaterre) Sixgill Shark F-HEGR
Notorynchus cepedianus (Peron) Sevengill Shark F-NOCE

ORDER LAMNIFORMES: Lamniform Sharks

FAMILY ALOPIIDAE: Thresher Sharks
Alopias vulpinus (Bonnaterre) Thresher Shark F-ALVU

FAMILY LAMNIDAE: Mackerel Sharks
Carcharodon carcharias (Linnaeus) White Shark F-CACA
Isurus oxyrinchus Rafinesque 3 Shortfin Mako F-ISOX
Lamna ditropis Hubbs & Follett Salmon Shark F-LADI

FAMILY CETORHINIDAE: Basking Sharks
Cetorhinus maximus (Gunnerus) Basking Shark F-CEMA

ORDER CARCHARHINIFORMES: Ground Sharks

FAMILY SCYLIORHINIDAE: Cat Sharks
Apristurus brunneus (Gilbert) Brown Cat Shark F-APBR

FAMILY Carcharhinidae: Requiem Sharks
Prionace glauca (Linnaeus) Blue Shark F-PRGL

FAMILY TRIAKIDAE: Houndsharks
Galeorhinus zyopterus Jordan & Gilbert 4 Soupfin Shark F-GAZY

3 Added to known British Columbia fauna (Gillespie 1993). First photographed by the late Frank Bernard of the Pacific Biological Station, but lost in transfer between ships at sea. Teeth catalogued at Royal BC Museum 93-39 are taken from a specimen off Cape St. James.
4 Mecklenburg et al. (2002) used name Galeorhinus galeus.
Order Squaliformes: Dogfishes and Sleeper Sharks

Family Squalidae: Dogfishes
Squalus acanthias Linnaeus  
Spiny Dogfish  
F-SQAC

Family Dalatididae: Sleeper Sharks
Somniosus pacificus Bigelow & Schroeder  
Pacific Sleeper Shark  
F-SOPA

Order Rajiformes: Skates and Rays

Family Torpedinidae: Electric Rays
Torpedo californica Ayres  
Pacific Electric Ray  
F-TOCA

Family Rajidae: Skates
Bathyraja abyssicola (Gilbert)  
Deepsea Skate  
F-BAAB

?Bathyraja aleutica (Gilbert)  
Aleutian Skate  
F-BAAE

Bathyraja interrupta (Gill & Townsend)  
Sandpaper Skate  
F-BAIT

Raja parmifera Bean  
Alaska Skate  
F-RAST

Bathyraja trachura (Gilbert)  
Roughtail Skate  
F-BATR

Raja badia Garman  
Broad Skate  
F-RABA

Raja binoculata Girard  
Big Skate  
F-RABI

Raja rhina (Jordan & Gilbert)  
Longnose Skate  
F-RARH

Family Dasyatidae: Stingrays
Dasyatis violacea (Bonaparte)  
Pelagic Stingray  
F-DAVI

Class Actinopterygii: Bony Fishes

Order Acipenseriformes: Sturgeons

Family Acipenseridae: Sturgeons
#Acipenser medirostris Ayres  
Green Sturgeon  
F-ACME

#Acipenser transmontanus Richardson  
White Sturgeon  
F-ACTR

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5 Change of generic name (Mecklenburg et al. (2002).

7 Raja stellulata ranges as far north as Eureka, California, with northern specimens appearing to be R. parmifera (Mecklenburg et al. 2002)

8 Previous literature (Hart 1973) refers to Dasyatis dipterura which, has yet to be documented with voucher specimens.
ORDER ANGUILLIFORMES: Eels

FAMILY *UNKNOWN*: Transparent Eels 9
*Thalassenchelys coheni* Castle & Raju
Transparent Eel F-THCO

FAMILY *CONGRIDAE*: Conger Eels
*Xenomystax atrarius* Gilbert
Twinpored Eel F-XEAT

FAMILY *SERRIVOMERIDAE*: Sawpalates
*Serrivomer jespersen* Bauchot-Boutin
Crossthroat Sawpalate F-SEJE

FAMILY *NEMICHTHYIDAE*: Snipe Eels
*Avocettina infans* (Gunther)
Close-Spine Snipe Eel 10 F-AVIN
*Nemichthys scolopaceus* Richardson
Slender Snipe Eel F-NESC

ORDER NOTACANTHIFORMES: Halosaurs and Spiny Eels

FAMILY *NOTACANTHIDAE*: Spiny Eels
*Notacanthus chemnitzi* Bloch 11
Snubnosed Spinyeel F-NOCH
*Polyacanthonotus challengeri* (Vaillant)
Longnose Tapirfish F-POCH

ORDER CLupeiformes: Herrings

FAMILY *CLUPEIDAE*: Herrings
†*Alosa sapidissima* (Wilson)
American Shad F-ALSA
*Clupea pallasi* Valenciennes
Pacific Herring F-CLPA
*Sardinops sagax* (Jenyns)
Pacific Sardine F-SASG

FAMILY *ENGRAULIDAE*: Anchovies
*Engraulis mordax* Girard
Northern Anchovy F-ENMO

ORDER CYPRINIFORMES: Minnows and Suckers
(Typically freshwater species but strays from Fraser River plume in Georgia Strait.)

FAMILY *CYPRINIDAE*: Minnows and Carps
†*Cyprinus carpio* Linnaeus
Common Carp F-CYCA
*Mylocheilus caurinus* (Richardson) 12
Peamouth F-MYCA

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9 Adult of these *Leptocephalus* larvae unknown, classification uncertain (see Castle and Raju 1975). Eschmeyer et al. (1983) notes ova within *leptocephalus*, suggesting neoteny. British Columbia records based on two specimens taken by the Pacific Biological Station and Institute of Ocean Sciences, collection records retained by the Royal B.C. Museum.

10 Mecklenburg et al. (2002) uses name “Blackline Snipe Eel”.

11 Gillespie (2001 pers. comm.) has a frozen specimen at DFO, Biological Station, Nanaimo, BC (48° 58.23’N, 126° 52.5’ W, 756m).

12 Typically freshwater, marine bycatch records include Peamouth apparently taken near mouth of Fraser River and elsewhere.
ORDER OSMERIFORMES: Smelts

FAMILY MICROSTOMATIDAE: Pencilsmelts

Nansenia candida Cohen Bluetroat Argentine F-NACA
? Nansenia crassa Lavenberg Giant Bluetroat F-NACR

FAMILY BATHYLAGIDAE: Deepsea Smelts

Bathylagus milleri Jordan and Gilbert 15 Stout Blacksmelt F-BAMI
Bathylagus ochotensis Schmidt 16 Popeye Blacksmelt F-BAOC
Bathylagus pacificus Gilbert Slender Blacksmelt F-BAPA
Leuroglossus schmidtii Rass 17 Northern Smoothtongue F-LESC
Leuroglossus stilbius Gilbert 17, 18 California Smoothtongue F-LEST

FAMILY OPISTHOPROCTIDAE: Spookfishes

Bathylychnops exilis Cohen Javelin Spookfish F-BAEX
Macropinna microstoma Chapman Barreleye F-MAMI

FAMILY ALEPOCEPHALIDAE: Slickheads

Alepocephalus tenebrosus Gilbert 19 Slickhead F-ALTE
Talismania bifurcata (Parr) Threadfin Slickhead F-TABI

FAMILY PLATYTROCTIDAE: Tubeshoulders

Holtbyrnia latifrons Sazonov Teardrop Tubeshoulder F-HOLA
Maulisia argipalla Matsui & Rosenblatt Pitted Tubeshoulder F-MAAR
Sagamichthys abei Parr Shining Tubeshoulder F-SAAB

FAMILY OSMERIDAE: Smelts

Allosmerus elongatus (Ayres) Whitebait Smelt F-ALEL
Hypomesus pretiosus (Girard) Surf Smelt F-HYPR
ssp: pretiosus (Girard)
Mallotus villosus (Muller) Capelin F-MAVI
#Osmerus mordax (Mitchell) Rainbow Smelt F-OSMO
Spirinchus starksi (Fisk) Night Smelt F-SPST
#Spirinchus thaleichthys (Ayres) Longfin Smelt F-SPTH
#Thaleichthys pacificus (Richardson) Eulachon F-THPA

13 Common name adapted from Mecklenburg et al. (2002), not Argentines as used in previous lists (Resources Inventory Committee 2000).
14 Peden (1975) unable to differentiate Nansenia crassa amongst N. candida, although Lavenberg differentiated species.
15 Mecklenburg et al. (2002) used name Pseudobathylagus milleri (Jordan and Gilbert).
16 Mecklenburg et al. (2002) used name Lipolagus ochotensis (Schmidt).
17 Previous list (Resources Inventory Committee 2000) refers to Bathylagus, but Leuroglossus now retained by Mecklenburg et al. (2002).
18 Documentation based on eggs south of 51° N, not larvae or adults (Dunn 1983, Gillespie 1993). Many records from British Columbia to the Bering Sea, but L. stilbius is not included in Mecklenburg et al. (2002).
19 Documentation based on a dozen specimens taken off Barkley Canyon (see Peden 1997b).
ORDER SALMONIFORMES: Salmoniform Fishes

FAMILY SALMONIDAE: Salmons and Trouts

#Oncorhynchus clarki (Richardson) ssp: clarki (Richardson) 20
Cutthroat Trout  F-ONCL

#Oncorhynchus gorbuscha (Walbaum)
Pink Salmon  F-ONGO

#Oncorhynchus keta (Walbaum)
Chum Salmon  F-ONKE

#Oncorhynchus kisutch (Walbaum)
Coho Salmon  F-ONKI

#Oncorhynchus mykiss (Walbaum)
Rainbow Trout 21  F-ONMY

#Oncorhynchus nerka (Walbaum)
Sockeye Salmon  F-ONNE

#Oncorhynchus tshawytscha (Walbaum)
Chinook Salmon  F-ONTS

#†Salmo salar Linnaeus
Atlantic Salmon  F-SASA

#†Salmo trutta Linnaeus
Brown Trout  F-SATR

#Salvelinus malma (Walbaum)
Dolly Varden  F-SAMA

ORDER STOMIIFORMES: Stomiiform Fishes

FAMILY GONOSTOMATIDAE: Bristlemouths

Cyclothone atraria Gilbert 22
Yellow Bristlemouth  F-CYAT

Cyclothone pallida Brauer
Tan Bristlemouth  F-CYPL

Cyclothone pseudopallida Mukhacheva
Phantom Bristlemouth  F-CYPS

Cyclothone signata Garman
Showy Bristlemouth  F-CYSI

FAMILY STERNOPTYCHIDAE: Silvery Hatchetfishes

Argyropelecus sladeni Regan 23
Silvery Hatchetfish 24  F-ARSL

Danaphos oculatus (Garman)
Bottletight  F-DAOC

Sternopyx pseudobscura Baird
Highlight Hatchetfish  F-STPS

FAMILY PHOSICHTHYIDAE: Lightfishes

Ichthyococcus elongatus Imai
Slim Lightfish  F-ICEL

FAMILY STOMIIDAE: Barbeled Dragonfishes 25

Aristostomias scintillans (Gilbert) 26
Shining Loosejaw  F-ARSC

Bathophilus Flemingi Aron & McCreery
Highfin Dragonfish  F-BAFL

Chauliodus macouni Bean 27
Pacific Viperfish  F-CHMA

Idiacanthus antrosomus Gilbert 28
Pacific Dragonfish  F-IDAN

20 Included to indicate distinction from Yellowstone Cutthroat (O. c. lewisi), a freshwater population. Coastal Cutthroat Trout is often used as the English name for this subspecies.

21 Rainbow Trout includes sea-run Steelhead.

22 Cyclothone pacificus Mukhacheva was originally described as C. microdon (Gunther) the name used by Hart (1973) off British Columbia. Referred to as C. pacificus (Peden 1975) and named C. atraria by Mecklenburg et al. (2002).


24 Mecklenburg et al. (2002) used name “Lowerest Hatchetfish.”

25 Mecklenburg et al. (2002) synonymises family Chauliodontidae with family Stomiidae.

26 Mecklenburg et al. (2002) demoted family Malacosteidae to a subfamily within family Stomiidae.

27 Mecklenburg et al. (2002) places Chauliodus in family Stomiidae.
**Marine Fishes**

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Code</th>
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<tbody>
<tr>
<td>Opostomias mitsuii Imai</td>
<td>Pitgum Dragonfish</td>
<td>F-OPMI</td>
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<tr>
<td>Tactostoma macropus Bolin</td>
<td>Longfin Dragonfish</td>
<td>F-TAMA</td>
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**ORDER AULOPIFORMES: Aulopiform**

**FAMILY SCOPELARCHIDAE: Pearleys**
- Benthalbella dentata (Chapman)  
  Northern Pearleye  
  F-BEDE

**FAMILY NOTOSUDIDAE: Waryfishes**
- Scopelosaurus harryi Mead  
  Scaly Waryfish  
  F-SCHA

**FAMILY SYNODONTIDAE: Lizard Fishes**
- Synodus lucioceps (Ayres)  
  Smallscale Lizardfish  
  F-SYLU

**FAMILY PARALEPIDAE: Barracudinas**
- Lestidiops ringens (Jordan & Gilbert)  
  Slender Barracudina  
  F-LERI
- Notolepis rissoi (Bonaparte)  
  White Barracudina  
  F-NORI
- Paralepis atlantica Kroyer  
  Duckbill Barracudina  
  F-PAAT

**FAMILY ANOTOPTERIDAE: Daggertooths**
- Anotopterus pharao Zugmayer  
  Daggertooth  
  F-ANPH

**FAMILY ALEPISAURIDAE: Lancetfishes**
- Alepisaurus ferox Lowe  
  Longnose Lancetfish  
  F-ALFE

**ORDER MYCTOPHIFORMES: Myctophiform Fishes**

**FAMILY NEOSCOPELIDAE: Blackchins**
- Neoscopelus macrolepidotus Johnson  
  Glowingfish  
  F-NEMA

**FAMILY MYCTOPHIDAE: Lanternfishes**
- Ceratoscopelus townsendi Eigenmann & Eigenmann  
  Dogtooth Lanternfish  
  F-CETO
- Diaphus theta Eigenmann & Eigenmann  
  California Headlightfish  
  F-DITH
- Lampadena urophos Paxton  
  Taillight Lanternfish  
  F-LAUR
- Lampanyctus regalis (Gilbert)  
  Pinpoint Lanternfish  
  F-LARE
- Lampanyctus ritteri Gilbert  
  Broadfin Lanternfish  
  F-LARI
- Notoscopelus japonicus (Tanaka)  
  Spiny Lanternfish  
  F-NOJA
- *Notoscopelus resplendens* (Richardson)  
  Patchwork Lampfish  
  F-NORE
- Protomyctophum crockeri (Bolin)  
  California Flashlightfish  
  F-PRCR

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28 Preserved specimen with photo in possession of Graham Gillespie (DFO, Nanaimo, BC), observed by Peden and destined for deposition at Royal BC Museum.

29 Attributed to El Nino occurrence (Fulton and LaBrasseur 1985, Pearcy and Schoener 1987).

30 Mecklenburg et al. (2002) used name *Arctozetus risso*.

31 Change of English name (Robins et al. 1991).

32 Mecklenburg et al. (2002) used name *Magnisudis atlantica* (Kroyer).

33 Mecklenburg et al. (2002) used name, *Anotopterus nilparini*.

34 Mecklenburg et al. (2002) used name, “North Pacific Daggertooth”.

35 Though recorded off British Columbia, voucher specimens are needed to verify that records are not *N. japonicus* (see Gillespie 1993).

36 Change of English name (Robbins et al. 1991), but inconsistent with name used by Mecklenburg et al. (2002).
**Marine Fishes**

*Protomycophum thompsoni* (Chapman)  
Northern Flashlightfish 37  
F-PRTH

*Stenobrachius leucopsarus* (Eigenmann & Eigenmann)  
Northern Lanternfish  
F-STLE

*Stenobrachius nannochir* (Gilbert)  
Garnet Lanternfish  
F-STNA

*Symbolophorus californiensis* (Eigenmann & Eigenmann)  
Bigfin Lanternfish  
F-SYCA

*Tarletonbeania crenularis* (Jordan & Gilbert) 38  
Southern Blue Lanternfish  
F-TACR

*Tarletonbeania taylori* Mead 38  
Northern Blue Lanternfish  
F-TATA

**ORDER OPHIDIIFORMES:** Ophidiiform Fishes

**FAMILY OPHIDIIDAE:** Cusk Eels

*Spectrunculus grandis* (Gunther)  
Giant Cuskeel  
F-SPGR

**FAMILY BYTHITIDAE:** Viviparous Brotulas

*Brosmophycis marginata* (Ayres)  
Red Brotula  
F-BRMA

**ORDER GADIFORMES:** Gadiform Fishes

**FAMILY MACROURIDAE:** Grenadiers

*Albatrossia pectoralis* (Gilbert)  
Giant Grenadier 39  
F-ALPE

*Coryphaenoides acrolepis* (Bean)  
Roughscale Grenadier 40  
F-COAC

*Coryphaenoides armatus* (Hector)  
Smooth Abyssal Grenadier 41  
F-COAM

*Coryphaenoides cinereus* (Gilbert)  
Popeye 42  
F-COCI

*Coryphaenoides filifer* (Gilbert)  
Filamented Grenadier 43  
F-COFI

*Coryphaenoides leptolepis* Gunther  
Ghostly Grenadier  
F-COLE

*Nezumia stelgidolepis* (Gilbert)  
California Grenadier 44  
F-NEST

**FAMILY MORIDAE:** Moras

*Halargyreus johnsoni* Gunther 45  
Dainty Mora  
F-HAJO

*Antimora microlepis* Bean  
Pacific Flatnose  
F-ANMI

**FAMILY MELANONIDAE:** Coalfishes

*Melanonus zugmayeri* Norman  
Coalfish  
F-MEZU

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40 Mecklenburg *et al.* (2002) used name “Pacific Grenadier”.

41 Mecklenburg *et al.* (2002) used name “Smooth Abyssal Grenadier.”

42 Mecklenburg *et al.* (2002) used name “Popeye Grenadier”.

43 Mecklenburg *et al.* (2002) used name “Threadfin Grenadier”.

44 Records from British Columbia are old. Voucher specimens are required for verification of current status.

45 *Halargyreus* listed in earlier editions of marine fish at Ocean Station Papa (Resources Inventory Committee 2000). Gillespie (pers. comm.) has a frozen specimen from Canadian waters that is probably *Halargyreus*. Confirmation needed, however if it is definitely an addition to known fishes off British Columbia.
**FAMILY MERLUCCIIDAE**: Hakes  
*Merluccius productus* (Ayres) Pacific Hake F-MEPR

**FAMILY GADIDAE**: Cods  
*Gadus macrocephalus* Tilesius Pacific Cod F-GAMA  
*Microgadus proximus* Girard Pacific Tomcod F-MIPR  
*Theragra chalcogramma* (Pallas) 46 Walleye Polloch F-THCH

ORDER **BATRACHOIDIFORMES**: Batrachoidiform Fishes

**FAMILY BATRACHOIDIDAE**: Toadfishes  
*Porichthys notatus* Girard Plainfin Midshipman F-PONO

ORDER **LOPHIIFORMES**: Angler Fishes

**FAMILY ONEIRODIDAE**: Dreamers  
*Chaenophryne melanorhabdus* Regan & Trewavas Smooth Dreamer F-CHME  
*Oneirodes bulbosus* Chapman Bulbous Dreamer F-ONBU  
*Oneirodes thompsoni* (Schultz) Spiny Dreamer 47 F-ONTH

**FAMILY CERATIIDAE**: Seadevils  
*Ceratias holboelli* Kroeyer 48 Northern Seadevil 49 F-CEHO

ORDER **ATHERINIFORMES**: Atheriniform Fishes

**FAMILY Atherinidae**: Silversides  
*Atherinops affinis* (Ayres) Topsmelt F-ATAF

**FAMILY SCOMBERESOCIDAE**: Sauries  
*Cololabis saira* (Brevoort) Pacific Saury F-COSA

ORDER **LAMPRIFORMES**: Lampriform Fishes

**FAMILY Lampridae**: Opahs  
*Lampris guttatus* (Brunnich) Opah F-LAGU

**FAMILY TRACHIPTERIDAE**: Ribbonfishes  
*Trachipterus altivelis* Kner King-of-the-Salmon F-TRAL

48 Specimens deposited at Royal B.C. Museum and recorded by Anonymous (1993) and (Peden 1997a).  
49 Change of English name (Mecklenburg 2002).
**ORDER STEPHANOBERYCIFORMES**: Stephanoberyciform Fishes

**FAMILY MELAMPHAEIDAE**: Ridgeheads

*Melamphaes lugubris* Gilbert
Highsnout Ridgehead 50  
F-MELU

*Poromitra crassiceps* (Gunther)
Crested Ridgehead 51  
F-POCR

*Scopelogadus mizolepis* Gunther
Flabby Ridgehead  
F-SCMI

**FAMILY BARBOURISIDAE**: Whalefishes 52

*Barbourisia rufa* Parr 53  
Velvet Whale Fish  
F-BARU

**ORDER BERYCIFORMES**: Beryciform Fishes

**FAMILY ANOPLOGASTERIDAE**: Fangtooths

*Anoplogaster cornuta* (Valenciennes) 54  
Fangtooth 55  
F-ANCO

**ORDER ZEIFORMES**: Zeiform Fishes

**FAMILY OREOSOMATIDAE**: Ores

*Allocyttus verrucosus* (Gilchrist)  
Oreo  
F-ALVE

**ORDER GASTEROSTEIFORMES**: Gasterosteiform Fishes

**FAMILY GASTEROSTEIDAE**: Sticklebacks 57, 58

*Aulorhynchus flavidus* Gill 58  
Tubesnout  
F-AUFL

#*Gasterosteus aculeatus* Linnaeus  
Threespine Stickleback  
F-GAAC

**FAMILY SYNGNATHIDAE**: Pipefishes 59

*Syngnathus leptorhynchus* Girard  
Bay Pipefish  
F-SYLE

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50 Mecklenburg et al. (2002) used name “Highsnout Bigscale”.

51 Mecklenburg et al. (2002) used name “Crested Bigscale”.

52 See comments for species below.

53 Tentative identity based on two specimens courtesy Archipelago Marine Research: First specimen from “Nitinat Canyon” (48° 12.2’ N, 125° 59.3’ W) caugt by vessel “Jeanne Marie” with a nonclosing trawl in 520 – 566 fathoms depth (950 – 1034m), July 3, 1997; second specimen from “Nitinat Canyon” (48° 12.4’ N, 125° 58.2’ W) caught by vessel “Viking Moon” with a nonclosing trawl in 504 – 580 fathoms (921 – 1060m), October 5, 1998. Specimens transferred to Nanaimo Biological Station (DFO) before final deposition at Royal B.C. Museum. Initially identified as *Rondeletia* (family Rondeletiidae). Peden viewed excellent colour photos (courtesy of Kelly Sendall, Royal B.C. Museum and Graham Gillespie, DFO). The pinkish red colouration and sub-abdominal pelvic excluded family Cetomimidae. Body/head shape plus faint images in photo suggesting pelvic fins and lateral line pores consistent with family Barbourisiidae (Fish Base: http://www.fishbase.org/search.cfm). Spines embedded in skin would exclude family Rondeletiidae, but direct observation required before confirming *Barbourisia* or *Rondeletia* as part of the western Canadian fauna.

54 Specimens deposited at Royal B.C. Museum and recorded by Anonymous (1996a, 1996b).

55 Mecklenburg et al. (2002) used name “Longhorn Fangtooth”.

56 Specimens deposited at Royal B.C. Museum and recorded by Anonymous (1996a, 1996b).

57 Robins et al. (1991) placed Syngnathiformes with order Gasterosteiformes.

58 Love’s WEBB site (2001) falsely gives the impression that *Pungitius pungitius* occurs in Pacific drainages of Canada. *Pungitius* occurs along the Pacific Rim bordering the Bering Sea, Aleutians and Asia, but only Arctic drainages and not Pacific drainages of British Columbia.

59 Thomson et al. (1979) listed two species related to Pipefishes from British Columbia. Reprints (to 2000) do not repeat records (possibly caused by uncritical bibliophile research mistaking B.C. for Baja California).
ORDER **SCORPAENIFORMES**: Mail-Cheeked Fishes

**FAMILY SCORPAENIDAE**: Scorpionfishes

- **Sebastes aleutianus** (Jordan & Evermann) - Rougheye Rockfish (F-SEAL)
- **Sebastes alutus** (Gilbert) - Pacific Ocean Perch (F-SEAT)
- **Sebastes auriculatus** Girard - Brown Rockfish (F-SEAU)
- **Sebastes aurora** (Gilbert) - Aurora Rockfish (F-SEAR)
- **Sebastes babcocki** (Thompson) - Redbanded Rockfish (F-SEBA)
- **Sebastes borealis** Barsukov - Shortraker Rockfish (F-SEBO)
- **Sebastes brevispinis** (Bean) - Silvergray Rockfish (F-SEBR)
- **Sebastes caurinus** Richardson - Copper Rockfish (F-SECA)
- **Sebastes ciliatus** (Tilesius) - Dusky Rockfish (F-SECI)
- **Sebastes crameri** (Jordan) - Darkblotched Rockfish (F-SECR)
- **Sebastes diphloprora** (Gilbert) - Splitnose Rockfish (F-SEDI)
- **Sebastes elongatus** Ayres - Greenstriped Rockfish (F-SEEL)
- **Sebastes emphaeus** (Starks) - Puget Sound Rockfish (F-SEEM)
- **Sebastes flavidus** (Ayres) - Yellowtail Rockfish (F-SEFL)
- **Sebastes goodei** (Eigenmann & Eigenmann) - Chilipepper (F-SEGO)
- **Sebastes helvomaculatus** Ayres - Rosethorn Rockfish (F-SEHE)
- **Sebastes jordani** (Gilbert) - Shortbelly Rockfish (F-SEJO)
- **Sebastes maliger** (Jordan & Gilbert) - Quillback Rockfish (F-SEMA)
- **Sebastes melanostomus** Eigenmann & Eigenmann - Blackgill Rockfish (F-SEML)
- **Sebastes miniatus** (Jordan & Gilbert) - Vermilion Rockfish (F-SEMI)
- **Sebastes mystinus** (Jordan & Gilbert) - Blue Rockfish (F-SEMY)
- **Sebastes nebulosus** Ayres - China Rockfish (F-SENE)
- **Sebastes nigrocinctus** Ayres - Tiger Rockfish (F-SENI)
- **Sebastes paucispinis** Ayres - Bocaccio (F-SEPA)
- **Sebastes pinniger** (Gill) - Canary Rockfish (F-SEPI)
- **Sebastes polyspinis** (Taranetz & Moiseev) - Northern Rockfish (F-SEPL)
- **Sebastes proriger** (Jordan & Gilbert) - Redstripe Rockfish (F-SEPR)
- **Sebastes reedi** (Westheim & Tsuyuki) - Yellowmouth Rockfish (F-SERE)
- **Sebastes ruberrimus** (Cramer) - Yelloweye Rockfish (F-SERU)
- **Sebastes saxicola** (Gilbert) - Striptail Rockfish (F-SESA)
- **Sebastes variegatus** Quast - Harlequin Rockfish (F-SEVA)
- **Sebastes wilsoni** (Gilbert) - Pygmy Rockfish (F-SEWI)
- **Sebastes zacentrus** (Gilbert) - Sharpchin Rockfish (F-SEZA)

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60 Change of “Darkblotch” to “Darkblotched” Rockfish (Robbins et al. 1991).
61 Change of “Greenstripe” to “Greenstriped” Rockfish (Robbins et al. 1991).
62 Graham Gillespie (DFO Biological Station, Nanaimo, BC) confirmed identification via photos with K. Mecklenburg and M. Love. Fish was caught on “Ricker II”, July 24, 1999 at 428 - 534 m depth, 49°10.64’ N, 127°2.65’ W and 49°8.97’ N, 127°1.10’ W.
64 Frozen specimens identified and in possession of Graham Gillespie (DFO Biological Station, Nanaimo, BC). Photo and verifier, Scott Anderson (Archipelago Marine Research, Victoria, BC). Dark cheek blotch, pinkish lateral line, blackish dorsal and anal fins confirms identification (see Eschmeyer 1983). Specimens captured February 28, 2000 at Goose Gully, with one fish expelling larvae.
<table>
<thead>
<tr>
<th>Marine Fishes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sebastolobus alascanus</strong> Bean</td>
</tr>
<tr>
<td><strong>Sebastolobus altivelis</strong> Gilbert</td>
</tr>
</tbody>
</table>

**FAMILY ANOPLOPOMATIDAE**: Sablefishes

- *Anoplopoma fimbria* (Pallas) | Sablefish | F-ANFI |
- *Erilepis zonifer* (Lockington) | Skilfish | F-ERZO |

**FAMILY HEXAGRAMMIDAE**: Greenlings

- *Hexagrammos decagrammus* (Pallas) | Kelp Greenling | F-HEDE |
- *Hexagrammos lagocephalus* (Pallas) | Rock Greenling | F-HELA |
- *Hexagrammos octogrammus* (Pallas) | Masked Greenling | F-HEOC |
- *Hexagrammos stelleri* Tilesius | Whitespotted Greenling | F-HEST |
- *Ophiodon elongatus* Girard | Lingcod | F-OPEL |
- *Oxylebius pictus* Gill | Painted Greenling | F-OXPI |
- *Pleurogrammus monopterygius* (Pallas) | Atka Mackerel | F-PLMO |
- *Zaniolepis latipinnus* Girard | Longspine Combfish | F-ZALA |

**FAMILY RHAMPHOCOTTIDAE** Grunt Sculpins

- *Rhamphocottus richardsonii* Gunther | Grunt Sculpin | F-RHRI |

**FAMILY COTTIDAE**: Sculpins

- *Artedius fenestralis* Jordan & Gilbert | Padded Sculpin | F-ARFE |
- *Artedius harringtoni* (Starks) | Scalyhead Sculpin | F-ARHA |
- *Artedius lateralis* (Girard) | Smoothhead Sculpin | F-ARLA |
- *Ascelichthys rhodorus* Jordan & Gilbert | Rosylip Sculpin | F-ASRH |
- *Asemichthys taylori* Gilbert | Spinybrow Sculpin | F-ASTA |
- *Chitonotus pugetensis* (Steindacher) | Roughback Sculpin | F-CHPU |
- *Clinocottus acuticeps* (Gilbert) | Sharpnose Sculpin | F-CLAC |
- *Clinocottus embryum* (Jordan & Starks) | Calico Sculpin | F-CLEM |
- *Clinocottus globiceps* (Girard) | Mosshead Sculpin | F-CLGL |
- #*Cottus aleuticus* Gilbert | Coastrange Sculpin | F-COAL |
- #*Cottus asper* Richardson | Prickly Sculpin | F-COAS |
- *Enophris bison* (Girard) | Buffalo Sculpin | F-ENBI |
- *Enophris lucasi* (Jordan and Gilbert) | Leister Sculpin | F-ENLU |
- *Gymnoanchus galeatus* Bean | Armorhead Sculpin | F-GYGA |
- *Hemilepidotus hemilepidotus* (Tilesius) | Red Irish Lord | F-HEHE |
- *Hemilepidotus spinulosus* (Ayres) | Brown Irish Lord | F-HESP |
- *Icelinus borealis* Gilbert | Northern Sculpin | F-ICBO |
- *Icelinus burchami* Evermann & Golbsborough | Dusky Sculpin | F-ICBU |
- *Icelinus filamentosus* Gilbert | Threadfin Sculpin | F-ICFI |
- *Icelinus fimbriatus* Gilbert | Fringed Sculpin | F-ICFM |
- *Icelinus tenuis* Gilbert | Spotfin Sculpin | F-ICTE |
- *Icelus spiniger* Gilbert | Thorny Sculpin | F-ICSP |
- *Jordania zonope* Starks | Longfin Sculpin | F-JOZO |
- #*Leptocottus armatus* Girard | Staghorn Sculpin | F-LEAR |

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65 Zaniolepidae combined with family Hexagrammidae (Robbins et al. 1991)
66 Mecklenburg et al. (2002) recognized family Rhamphocottidae split from family Cottidae.
67 Extra “i” added by Mecklenburg et al. (2002).
68 Normally found in freshwater, and rarely in marine waters near estuaries.
Marine Fishes

Myoxocephalus polyacanthocephalus (Pallas)  
Great Sculpin  
F-MYPO

Myoxocephalus verrucosus (Bean)  
Warty Sculpin  
F-MYVE

Oligocottus maculosus Girard  
Tidepool Sculpin  
F-OLMA

Oligocottus rimensis (Greeley)  
Saddleback Sculpin  
F-OLRI

Paricelinus hopliticus Eigenmann & Eigenmann  
Thornback Sculpin  
F-PAHO

Radulinus asprellus Gilbert  
Slim Sculpin  
F-RAAS

Radulinus boleoides Gilbert  
Darter Sculpin  
F-RABO

Ruscarius meanyi Jordan & Starks  
Puget Sound Sculpin  
F-RUME

Scorpaenichthys marmoratus (Ayres)  
Cabezon  
F-SCMA

Synchirus gilli Bean  
Manaced Sculpin  
F-SYGI

Triglops macellus (Bean)  
Roughspine Sculpin  
F-TRMA

Triglops pingeli (Reinhardt)  
Ribbed Sculpin  
F-TRPI

FAMILY HEMITRIPTERIDAE: Sailfin Fishes  

Blepsias bilobus Cuvier  
Crested Sculpin  
F-BLBI

Blepsias cirrhosus (Pallas)  
Silverspot Sculpin  
F-BLCI

Hemitripterus bolini (Myers)  
Bigmouth Sculpin  
F-HEBO

Nautichthys oculofasciatus (Girard)  
Sailfin Sculpin  
F-NAOC

Nautichthys robustus Peden  
Shortmast Sculpin  
F-NARO

FAMILY PSYCHROLUTIDAE: Tadpole Fishes  

Dasycottus setiger Bean  
Spinehead Sculpin  
F-DASE

Malacocottus kincaidi Gilbert & Thompson  
Blackfin Sculpin  
F-MAKI

Malacocottus zonurus Bean  
Darkfin Sculpin  
F-MAZO

Psychrolutes paradoxus Gunther  
Tadpole Sculpin  
F-PSPA

Psychrolutes phrictus Stein & Bond  
Giant Blobsculpin  
F-PSPH

Psychrolutes sigalutes (Jordan & Starks)  
Soft Sculpin  
F-PSSI

FAMILY AGONIDAE: Poachers  

Agonopsis vulsa (Jordan & Gilbert)  
Northern Spearnose Poacher  
F-AGVU

Anoplogonus inermis (Gunther)  
Smooth Alligatorfish  
F-ANIN

Bathyagonus alascanus (Gilbert)  
Gray Starsnout  
F-BAAL

Bathyagonus infraspinatus (Gilbert)  
Spinycheek Starsnout  
F-BAIN

Bathyagonus nigripinnis Gilbert  
Blackfin Poacher  
F-BANI

Bathyagonus pentacanthus (Gilbert)  
Bigeye Poacher  
F-BAPE

Bothragonus swani (Steindachner)  
Rockhead  
F-BOSW

Hypsagonus mozinoi (Wilimovsky & Wilson)  
Kelp Poacher  
F-HYMO

Hypsagonus quadricornis (Cuvier)  
Fourhorn Poacher  
F-HYQU

Chesmona verrucosa (Lockington)  
Warty Poacher  
F-CHVE

69 Renamed M. verrucosus (Bean) in Alaskan literature [see Allen and Smith (1988) and Mecklenburg et al. (2002)].

70 English name used by Robins et al. (1991) may differ to Mecklenburg et al. (2002).

71 Robbins et al. (1991) referred Artedius meanyi to genus Ruscarius.

72 Mecklenburg et al. (2002) recognized family Hemitripteridae, split from family Cottidae.

73 M. zonurus differs from M. kincaidi by presence of extra cheek spine. Recognition of two species questionable, however, British Columbia collections suggest M. kincaidi is abundant in Strait of Georgia area and M. zonurus is more common along exposed coast and to the north.


75 Evidence to be published will place Occella impi Gruchy as a junior synonym of Stellerina xyosterna.

76 Recent review by Mecklenburg et al. (2002) places Agonomalus mozinoi within Hypsagonus.

77 Change of generic name (Mecklenburg et al. 2002).
<table>
<thead>
<tr>
<th>Marine Fishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odontopyxis trispinosa Lockington</td>
</tr>
<tr>
<td>Pallasina barbata (Steindachner)</td>
</tr>
<tr>
<td>Podothecus acipenserinus (Pallas)</td>
</tr>
<tr>
<td>Leptagonus frenatus (Gilbert)</td>
</tr>
<tr>
<td>Stellerina xyosterna (Jordan &amp; Gilbert)</td>
</tr>
<tr>
<td>Xeneretmus latifrons (Gilbert)</td>
</tr>
<tr>
<td>Xeneretmus leiops Gilbert</td>
</tr>
<tr>
<td>Xeneretmus triacanthus (Gilbert)</td>
</tr>
</tbody>
</table>

**FAMILY CYCLOPTERIDAE:** Lumpsuckers

<table>
<thead>
<tr>
<th>Odontopyxis trispinosa Lockington</th>
<th>Pygmy Poacher</th>
<th>F-ODTR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallasina barbata (Steindachner)</td>
<td>Tubenose Poacher</td>
<td>F-PABA</td>
</tr>
<tr>
<td>Podothecus acipenserinus (Pallas)</td>
<td>Sturgeon Poacher</td>
<td>F-POAC</td>
</tr>
<tr>
<td>Leptagonus frenatus (Gilbert)</td>
<td>Sawback Poacher</td>
<td>F-LEFR</td>
</tr>
<tr>
<td>Stellerina xyosterna (Jordan &amp; Gilbert)</td>
<td>Pricklebreast Poacher</td>
<td>F-STXY</td>
</tr>
<tr>
<td>Xeneretmus latifrons (Gilbert)</td>
<td>Blacktip Poacher</td>
<td>F-XELA</td>
</tr>
<tr>
<td>Xeneretmus leiops Gilbert</td>
<td>Smootheye Poacher</td>
<td>F-XELE</td>
</tr>
<tr>
<td>Xeneretmus triacanthus (Gilbert)</td>
<td>Bluespotted Poacher</td>
<td>F-XETR</td>
</tr>
</tbody>
</table>

**FAMILY LIPARIDAE:** Snailfishes

<table>
<thead>
<tr>
<th>Aptocyclus ventricosus (Pallas)</th>
<th>Smooth Lumpsucker</th>
<th>F-APVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eumicrotremus orbis (Gunther)</td>
<td>Pacific Spiny Lumpsucker</td>
<td>F-EUOR</td>
</tr>
</tbody>
</table>

**FAMILY LIPARIDAE:** Snailfishes

| Acantholiparis opercularis Gilbert & Burke | Spiny Snailfish | F-ACOP |
| Careproctus sp. (undescribed) | Obscure Snailfish | F-CACO |
| Careproctus cypselurus Jordan & Gilbert | Falcate Snailfish | F-CACY |
| Careproctus gilberti Burke | Smalldisk Snailfish | F-CAGI |
| Careproctus melanurus Gilbert | Blacktail Snailfish | F-CAME |
| Careproctus oregonensis Stein | Smallfin Snailfish | F-CAOR |
| Careproctus ovigerum (Gilbert) | Abyssal Snailfish | F-CAOV |
| Liparis callydon (Pallas) | Spotted Snailfish | F-LICA |
| Liparis cyclopus Gunther | Ribbon Snailfish | F-LICY |
| Liparis dennyi Jordan & Starks | Marbled Snailfish | F-LIDE |
| Liparis floralis (Jordan & Starks) | Tidepool Snailfish | F-LIFL |
| Liparis fucensis Gilbert | Slipskin Snailfish | F-LIFU |
| Liparis gribbus Bean | Variegated Snailfish | F-LIGI |
| Liparis greeni (Jordan & Starks) | Lobefin Snailfish | F-LIGR |
| Liparis mucosus Ayres | Slimy Snailfish | F-LIMU |
| Liparis pulchellus Ayres | Showy Snailfish | F-LIPU |
| Liparis rutteri (Gilbert & Snyder) | Ringtail Snailfish | F-LIRU |
| Liparisanus nanus Gilbert | Pygmy Snailfish | F-LINA |
| Nectoliparis pelagicus Gilbert & Burke | Tadpole Snailfish | F-NEPE |
| Osteodiscus cascadiae Stein | Bigtailed Snailfish | F-OSCA |
| Paraliparis cephalus Gilbert | Swellhead Snailfish | F-PACE |
| Paraliparis deani Burke | Prickly Snailfish | F-PADE |
| Paraliparis latifrons Garman | Bigpored Snailfish | F-PALA |
| Paraliparis melanobranchus Gilbert & Burke | Phantom Snailfish | F-PAME |
| Paraliparis paucidens Stein | Toothless Snailfish | F-PAPA |
| Paraliparis pectoralis Stein | Pectoral Snailfish | F-PAPE |
| Paraliparis rosaceus Gilbert | Pink Snailfish | F-PARO |

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78 Mecklenburg et al. (2002) changed generic name of Agonus back to Podothecus.
79 Species moved from Sarritor to Leptagonus (Mecklenburg et al. 2002).
80 Includes synonym of Occella impi as junior synonym.
81 Family Liparidae (Snailfishes) split from family Cyclopteridae (Lumpsuckers) by Mecklenburg et al. (2002).
82 First identified as C. melanurus, caught west of Vancouver Island in 1964 at 1200 fathoms, with only one specimen known. Shares similar counts and size of gill opening as C. melanurus. Specimen is female, not possessing ovispositor as to be expected in C. melanurus having fewer, very large eggs (Peden and Sendall 2001 ms).
83 Specimens are at Royal B.C. Museum (Peden and Sendall 2001ms).
84 English name changed to conform to Robbins et al. (1991).
Rhinoliparis attenuatus Burke  
Slim Snailfish  
F-RHAT

**ORDER PERCIFORMES**: Perciform Fishes

**FAMILY PERCICHTHYIDAE**: Temperate Basses
†Morone saxatilis (Walbaum)  
Striped Bass  
F-MOSA

**FAMILY MALACANTHIDAE**: Tilefishes
Caulolatilus princeps (Jenyns)  
Ocean Whitefish  
F-CAPR

**FAMILY ECHENEIDAE**: Remoras
Remora australis (Bennett)  
Whalesucker  
F-REAU

**FAMILY CARANGIDAE**: Jacks
Naucrates ductor (Linnaeus)  
Pilotfish  
F-NADU
Seriola lalandi Valenciennes  
Yellowtail  
F-SELA
Trachurus symmetricus (Ayres)  
Jack Mackerel  
F-TRSY

**FAMILY BRAMIDAE**: Pomfrets
Brama japonica Hilgendorf  
Pacific Pomfret  
F-BRJA
Taractes asper Lowe  
Rough Pomfret  
F-TAAS

**FAMILY CARISTIIDAE**: Manefishes
Caristius macropus (Bellotti)  
Bigmouth Manefish  
F-CAMC

**FAMILY SCIAENIDAE**: Drums
Atractoscion nobilis (Ayres)  
White Seabass  
F-ATNO
Genyonemus lineatus (Ayres)  
White Croaker  
F-GELI
Seriphus politus Ayres  
Queenfish  
F-SEPO

**FAMILY PENTACEROTIDAE**: Armorheads
Pentaceros wheeleri Hardy  
North Pacific Pelagic Armorhead  
F-PEWH

**FAMILY KYPHOSIDAE**: Seachubs
Medialuna californiensis (Steindachner)  
Halfmoon  
F-MECA

**FAMILY EMBIOTOCIDAE**: Surfperches
Amphistichus rhodoterus (Agassiz)  
Redtail Surfperch  
F-AMRH
Brachyistius frenatus Gill  
Kelp Perch  
F-BRFR
Cymatogaster aggregata Gibbons  
Shiner Perch  
F-CYAG
Embiotoca lateralis Agassiz  
Striped Seaperch  
F-EMLA
Hyperprosopon argenteum Gibbons  
Walleye Surfperch  
F-HYAR
Hyperprosopon ellipticum (Gibbons)  
Silver Surfperch  
F-HYEL
Phanerodon furcatus Girard  
White Seaperch  
F-PHFU

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86 Mecklenburg et al. (2002) used name “North Pacific Pelagic Armorhead”. For sake of consistency, the English name used in previous lists is maintained (Resources Inventory Committee 2000). Name will be changed if needed after Mecklenburg et al. (2000 in press) is published.

87 Records from British Columbia are old. Voucher specimens required for verification of current status.
Marine Fishes

*Rhacochilus vacca* (Girard)  
**Pile Perch**  
F-RHVA

**FAMILY BATHYMASTERIDAE**: Ronquils

*Bathymaster caeruleofasciatus* Gilbert & Burke  
**Alaskan Ronquil**  
F-BACA

*Bathymaster signatus* Cope  
**Searcher**  
F-BASI

*Ronquils jordani* (Gilbert)  
**Northern Ronquil**  
F-ROJO

**FAMILY ZOARCIDAE**: Eelpouts

*Bothrocara brunneum* (Bean)  
**Twoline Eelpout**  
F-BOBR

*?Bothrocara molle* Bean  
**Soft Eelpout**  
F-BOMO

*Bothrocara pusillum* (Bean)  
**Alaska Eelpout**  
F-BOPU

*Bothrocara remigerum* Gilbert  
**Longsnout Eelpout**  
F-BORE

*Derepodichthys alepidotus* Gilbert  
**Cuskpout**  
F-DEAL

*Lycenchelys camchaticus* Gilbert & Burke  
**Kamchatka Eelpout**  
F-LYCA

*Lycenchelys crotalinus* (Gilbert)  
**Snakehead Eelpout**  
F-LYCR

*Lycenchelys jordani* (Evermann & Goldsborough)  
**Shortjaw Eelpout**  
F-LYJO

*Lycenchelys micropora* Andriashev  
**Pale Eelpout**  
F-LYMI

*Lycodapus endemoscutus* Peden & Anderson  
**Deepwater Eelpout**  
F-LYEN

*Lycodapus ferasfer* Gilbert  
**Blackmouth Eelpout**  
F-LYFI

*Lycodapus mandibularis* Gilbert  
**Pallid Eelpout**  
F-LYMA

*Lycodapus pachysoma* Peden & Anderson  
**Stout Eelpout**  
F-LYPA

*Lycodapus parviceps* Bean  
**Shortfin Eelpout**  
F-LYBR

*Lycodes brevipes* Bean  
**Bigfin Eelpout**  
F-LYCO

*Lycodes crotalus* Gilbert  
**Black Eelpout**  
F-LYDI

*Lycodes diapterus* Gilbert  
**Blackbelly Eelpout**  
F-LYPC

*Lycodes palearis* Gilbert  
**Wattled Eelpout**  
F-LYPL

*Melanostigma pammelas* Gilbert  
**Pacific Softpout**  
F-MEPA

*Pachycara bulbiceps* (Garman)  
**Abyssal Eelpout**  
F-PABU

*Pachycara gymnium* Anderson & Peden  
**Nakedneck Eelpout**  
F-PAGY

*Pachycara lepinium* Anderson & Peden  
**Scalyneck Eelpout**  
F-PALE

*Taranetzella lyoderma* Andriashev  
**Ghostly Eelpout**  
F-TALY

**FAMILY STICHAEIDAE**: Pricklebacks

*Allolumpenus hypochromus* Hubbs & Schultz  
**Y-Prickleback**  
F-ALHY

*Anoplarchus insignis* Gilbert and Burke  
**Slender Cockscomb**  
F-ANIS

*Anoplarchus purpurescens* Gill  
**High Cockscomb**  
F-ANPU

*Bryozoichthys marjorius* McPhail  
**Pearly Prickleback**  
F-BRMR

*Chirolophis decoratus* (Jordan & Snyder)  
**Decorated Warbonnet**  
F-CHDE

*Chirolophis nugator* (Jordan & Williams)  
**Mosshead Warbonnet**  
F-CHNU

*Chirolophis tarsodes* (Jordan & Snyder)  
**Matcheek Warbonnet**  
F-CHTA

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88 English name changed (Robbins et al. 1991).

89 Anderson (1994) synonymized *B. molle* with *B. remigerum*.

90 Many unrecorded specimens catalogued at Royal B.C. Museum.

91 Change of English name (Mecklenburg et al. 2002).

92 Specimen located in collections at Oregon State University, record soon to be published.

93 Peden used name "Slipskin" in previous lists (Resources Inventory Committee 2000), however Robins et al. (1991) and Mecklenburg et al. (2002) retained use of "Eelpout" for all family Zoarcidae.
<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumpenella longirostris (Evermann &amp; Goldsborough)</td>
<td>Longsnout Prickleback</td>
<td>F-LULO</td>
</tr>
<tr>
<td>Lumpenus maculatus (Fries)</td>
<td>Daubed Shanny</td>
<td>F-LUMA</td>
</tr>
<tr>
<td>Lumpenus sagitta Wilimovsky</td>
<td>Snake Prickleback</td>
<td>F-LUSA</td>
</tr>
<tr>
<td>Phytichthys chirus (Jordan and Gilbert)</td>
<td>Ribbon Prickleback</td>
<td>F-PHCH</td>
</tr>
<tr>
<td>Plecostomus evides Gilbert</td>
<td>Bluebarred Prickleback</td>
<td>F-PLEV</td>
</tr>
<tr>
<td>Poroclinus rothrocki Bean</td>
<td>Whitebarred Prickleback</td>
<td>F-PORO</td>
</tr>
<tr>
<td>Stichaeus punctatus (Fabricius)</td>
<td>Arctic Shanny</td>
<td>F-STPU</td>
</tr>
<tr>
<td>Xiphister atropurpureus (Kittlitz)</td>
<td>Black Prickleback</td>
<td>F-XIAT</td>
</tr>
<tr>
<td>Xiphister mucosus (Girard)</td>
<td>Rock Prickleback</td>
<td>F-XIMU</td>
</tr>
</tbody>
</table>

**FAMILY CRYPTACANTHODIDAE:** Wrymouths

- Cryptacanthodes aleutensis (Gilbert) | Dwarf Wrymouth | F-CRAL |
- Cryptacanthodes giganteus (Kittlits) | Giant Wrymouth | F-CRGI |

**FAMILY PHOLIDAE:** Gunnels

- Apodichthys flavidus Girard | Penpoint Gunnel | F-APFL |
- Apodichthys fucorum Jordan & Gilbert | Rockweed Gunnel | F-APFU |
- Pholis clemensi Rosenblatt | Longfin Gunnel | F-PHCL |
- Pholis laeta (Cope) | Crescent Gunnel | F-PHLA |
- Pholis ornata (Girard) | Saddleback Gunnel | F-PHOR |
- Pholis schultzi Hubbs | Red Gunnel | F-PHSC |

**FAMILY ANARHICHADIDAE:** Wolffishes

- Anarrhichthys ocellatus Ayres | Wolf-eel | F-ANOC |

**FAMILY PTILICHTHYIDAE:** Quillfishes

- Ptilichthys goodei Bean | Quillfish | F-PTGO |

**FAMILY SCYTALINIDAE:** Graveldivers

- Scytalina cerdale Jordan & Gilbert | Graveldiver | F-SCCE |

**FAMILY ZAPRORIDAE:** Prowishes

- Zaprora silenus Jordan | Prowfish | F-ZASI |

**ORDER GOBIESOCIFORMES:** Gobiesociform Fishes

**FAMILY GOBIESOCIDAE:** Clingfishes

- Gobiesox maenadricus (Girard) | Northern Clingfish | F-GOMA |
- Rimicola muscarum (Meek & Pierson) | Kelp Clingfish | F-ROMA |

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94 Though Mecklenburg et al. (2002) reverts back to usage of *Leptoclinus, Lumpenus* is retained here.
95 Name changed to conform to Robbins et al. (1991).
97 Mecklenburg et al. (2002) and Robbins et al. (1991) placed Delolepis and Lyconectes into Cryptacanthodes.
98 See Yatsu (1981) for change from Xererpes to Apodichthys (note removal of parentheses for authors).
99 Yatsu (1981) places *P. clemensi, P. laeta* and *P. ornata* in Allopholis.
100 Robbins et al. (1991) cite Pholis shultzi “Schultz” rather than “Hubbs in Schultz” as reported in earlier literature.
<table>
<thead>
<tr>
<th>FAMILY</th>
<th>GENUS</th>
<th>SPECIES</th>
<th>COMMON NAME</th>
<th>VERNACULAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sphyraenidae: Barracudas</td>
<td>Sphyraena argentea</td>
<td>Girard</td>
<td>Pacific Barracuda</td>
<td>F-SPAR</td>
</tr>
<tr>
<td>TRICHODONTIDAE: Sandfishes</td>
<td>Trichodon trichodon (Tilesius)</td>
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<td>Pacific Sandfish</td>
<td>F-TRTR</td>
</tr>
<tr>
<td>Clinidae: Clinids</td>
<td>Gibbonsia metzi</td>
<td>Hubbs</td>
<td>Striped Kelpfish</td>
<td>F-GIME</td>
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<tr>
<td></td>
<td>Gibbonsia montereyensis</td>
<td>Hubbs</td>
<td>Crevice Kelpfish</td>
<td>F-GIMO</td>
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<td></td>
<td>?Heterostichus rostratus</td>
<td>Girard</td>
<td>Giant Kelpfish</td>
<td>F-HERO</td>
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<tr>
<td>AMMODYTIDAE: Sand Lances</td>
<td>Ammodytes hexapterus</td>
<td>Pallas</td>
<td>Pacific Sand Lance</td>
<td>F-AMHE</td>
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<tr>
<td>Gobiidae: Gobies</td>
<td>Clevelandia ios (Jordan &amp; Gilbert)</td>
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<td>Arrow Goby</td>
<td>F-CLIO</td>
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<tr>
<td></td>
<td>Coryphopterus nicholsi (Bean)</td>
<td></td>
<td>Blackeye Goby</td>
<td>F-CONI</td>
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<tr>
<td></td>
<td>Lepidogobius lepidus (Girard)</td>
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<td>Bay Goby</td>
<td>F-LELE</td>
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<tr>
<td>TRICHIURIDAE: Hairtails</td>
<td>Aphanopus carbo</td>
<td>Lowe</td>
<td>Black Scabbardfish</td>
<td>F-APCA</td>
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<td></td>
<td>Benthodesmus elongatus (Clarke)</td>
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<td>Frostfish</td>
<td>F-BEEL</td>
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<td></td>
<td>Benthodesmus tenuis (Gunther)</td>
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<td>Javelinfish</td>
<td>F-BETE</td>
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<tr>
<td>SCOMBRIDAE: Mackerels</td>
<td>Katsuwonus pelamis (Linnaeus)</td>
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<td>Skipjack Tuna</td>
<td>F-KAPE</td>
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<tr>
<td></td>
<td>Sarda chiliensis (Cuvier)</td>
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<td>Pacific Bonito</td>
<td>F-SACH</td>
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<tr>
<td></td>
<td>Scomber japonicus (Houttuyn)</td>
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<td>Chub Mackerel</td>
<td>F-SCJA</td>
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<td></td>
<td>Thunnus alalunga (Bonnaterre)</td>
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<td>Albacore</td>
<td>F-THAL</td>
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<tr>
<td></td>
<td>Thunnus thynnus (Linnaeus)</td>
<td></td>
<td>Bluefin Tuna</td>
<td>F-TTHH</td>
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<tr>
<td>XIPHIIDAE: Swordfishes</td>
<td>Xiphias gladius</td>
<td>Linnaeus</td>
<td>Swordfish</td>
<td>F-XIGL</td>
</tr>
<tr>
<td>STROMATEIDAE: Butterfishes</td>
<td>Icichthys lockingtoni</td>
<td>Jordan &amp; Gilbert</td>
<td>Medusafish</td>
<td>F-ICLO</td>
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<td></td>
<td>Peprilus simillimus</td>
<td>Ayres</td>
<td>Pacific Pompano</td>
<td>F-PESI</td>
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<tr>
<td></td>
<td>Tetragonurus cuvieri</td>
<td>Risso</td>
<td>Smalleye Squaretail</td>
<td>F-TECU</td>
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<tr>
<td>ICOSTEIDAE: Ragfishes</td>
<td>Icosteus aenigmaticus</td>
<td>Lockington</td>
<td>Ragfish</td>
<td>F-ICAЕ</td>
</tr>
</tbody>
</table>

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101 Old record of Halkett (1913) often repeated in literature, however, voucher specimens required.
102 Change in English name from previous list (Resources Inventory Committee 2000).
103 Change of generic name (Robbins et al. 1991).
104 Placed into family Stromateidae by Robbins et al. (1991).
ORDER PLEURONECTIFORMES: Flatfishes

FAMILY BOTHIDAE: Lefteye Flatfishes

*Citharichthys sordidus* (Girard) Pacific Sanddab F-CISO
*Citharichthys stigmaeus* Jordan & Gilbert Speckled Sanddab F-CIST

FAMILY PLEURONECTIDAE: Righteye Flatfishes ¹⁰⁵

*Atheresthes stomias* (Jordan & Gilbert) Arrowtooth Flounder F-ATST
*Clidoderma asperrimum* (Temminck & Schlegel) Roughscale Sole F-CLAS

*Embossichthys bathybius* (Gilbert) Deepsea Sole F-EMBA
*Eopsetta exilis* (Jordan & Gilbert) Slender Sole F-EOEX
*Eopsetta jordani* (Lockington) Petrale Sole F-EOJO
*Errex zachirus* (Lockington) Rex Sole F-ERZA
*Hippoglossoides elassodon* Jordan & Gilbert Flathead Sole F-HIEL
*Hippoglossus stenolepis* Schmidt Pacific Halibut F-HIST
*Microstomus pacificus* (Lockington) Dover Sole F-MIPA
*Platichthys stellatus* Pallas Starry Flounder F-PLST
*Limanda asper* Pallas Yellowfin Sole F-PLAS
*Lepidopsetta bilineatus* (Ayres) ¹⁰⁶ Southern Rock Sole F-LEBI
*Lepidopsetta polystigma* (Orr & Materese) ¹⁰⁷ Northern Rock Sole F-LEPO
*Pleuronectes isolepis* (Lockington) Butter Sole F-PLIS
*Pleuronectes vetulus* (Girard) English Sole F-PLVE
*Pleuronichthys coenosus* Girard C–O Sole F-PLCO
*Pleuronichthys decurrens* Jordan & Gilbert Curlfin Sole F-PLDE
*Psettichthys melanostictus* Girard Sand Sole F-PSME
*Reinhardtius hippolossoides* (Walbaum) Greenland Halibut F-REHI

ORDER TETRAODONTIFORMES: Tetraodontiform Fishes

FAMILY MOLIDAE: Tetraodons

*Mola mola* (Linnaeus) Ocean Sunfish F-MOMO

¹⁰⁵ Because it is a hybrid, *Inopsetta ischyra* Jordan and Gilbert, is not listed.
¹⁰⁶ Change of generic name (Mecklenburg et al. 2002).
Fishes Occurring Just Outside Canadian Waters, but Not Within Canadian Waters.

Though the following fish species are not recorded within the Western Canadian Fishery Boundary, they were either captured by the Canadian Weathership at Ocean Station Papa (50°N, 145°W)\(^{108}\), or from localities just outside the fishery boundary. They are listed here for their potential representation in British Columbia’s marine fauna, however such occurrences have yet to be documented. Note: the family name is provided in the last column.

- Raja inornata Jordan & Gilbert\(^{109}\)
- Dolichopteryx sp.\(^{110}\)
- Holthynia innesi (Fowler)\(^{111}\)
- Gonostoma gracile Gunther
- Malacosteus danae (Regan & Trewavas)
- Benthabella linguidens (Mead & Bohlke)
- Lampanyctus jordani Gilbert
- Gyroinimus sp.
- Arctedius corallinus (Hubbs)\(^{112}\)
- Arctedius notospilotus Girard\(^{113}\)
- Remora remora (Linnaeus)\(^{114}\)
- Amphistichus koelzi (Hubbs)\(^{115}\)
- Luvaris imperialis Rafinesque\(^{116}\)
- Symphurus atricauda (Jordan and Gilbert)\(^{117}\)

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Family</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raja inornata</td>
<td>California Skate</td>
<td>Rajidae</td>
<td>Ostariophysiidae</td>
</tr>
<tr>
<td>Dolichopteryx</td>
<td>Spookfish</td>
<td>Opisthoptery</td>
<td>Opisthopteryidae</td>
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<tr>
<td>Holthynia innesi</td>
<td>Innes Tubeshoulder</td>
<td>Platypteryi</td>
<td>Platypteryidae</td>
</tr>
<tr>
<td>Malacosteus danae</td>
<td>Slender Fangjaw</td>
<td>Gonostomati</td>
<td>Gonostomatidae</td>
</tr>
<tr>
<td>Benthabella linguidens</td>
<td>Shortnose Loosejaw</td>
<td>Stomiidae</td>
<td>Stomiidae</td>
</tr>
<tr>
<td>Lampanyctus jordani</td>
<td>Longfin Pearleye</td>
<td>Scopelarchi</td>
<td>Scopelarchidae</td>
</tr>
<tr>
<td>Gyroinimus sp.</td>
<td>Brokenline Lanternfish</td>
<td>Myctophiida</td>
<td>Myctophidae</td>
</tr>
<tr>
<td>R. corallinus</td>
<td>Flabby Whalefish</td>
<td>Cetomimidae</td>
<td>Cetomimidae</td>
</tr>
<tr>
<td>R. notospilotus</td>
<td>Coralline Sculpin</td>
<td>Cottidae</td>
<td>Cottidae</td>
</tr>
<tr>
<td>Remora remora</td>
<td>Bonyhead Sculpin</td>
<td>Cottidae</td>
<td>Cottidae</td>
</tr>
<tr>
<td>A. koelzi</td>
<td>Sharksucker</td>
<td>Chneideiida</td>
<td>Chneideiidae</td>
</tr>
<tr>
<td>A. atricauda</td>
<td>Calico Surfperch</td>
<td>Embiotocida</td>
<td>Embiotocidae</td>
</tr>
<tr>
<td>L. imperialis</td>
<td>Louvar</td>
<td>Luviridae</td>
<td>Luviridae</td>
</tr>
<tr>
<td>S. atricauda</td>
<td>California Tonguefish</td>
<td>Cynogossida</td>
<td>Cynogossidae</td>
</tr>
</tbody>
</table>

\(^{108}\) Specimens from Ocean Station Papa (Peden et al. 1985) indicted by “@”.
\(^{109}\) Known in Strait of Juan de Fuca (Eschmeyer et al. 1983, Gillespie 1993). Not yet recorded in British Columbia.
\(^{110}\) Known from Ocean Station Papa, 50°N, 145°W (Hart 1973) and Gulf of Alaska (University of Washington specimens).
\(^{112}\) Recorded from Orcas Island, Washington (Miller and Lea 1972, Eschmeyer et al. 1983).
\(^{114}\) Known just outside southwestern Canadian Fishery boundary (Hughes 1985).
\(^{115}\) Though listed from Cape Flattery, Washington (Hart 1973), it is not documented in British Columbia.
\(^{116}\) Taken within 30 miles of Canada’s southwestern most Fishery boundary (Peden and Jamieson 1988).
\(^{117}\) Attributed to El Nino occurrence to Puget Sound, Washington (Pearcy and Schoener 1987).
The following species are known off Alaska and the southern 48 United States and are hypothetically close enough to Canadian waters to possibly occur in Canadian waters. Voucher records are required. Note: the family name is provided in the last column.

<table>
<thead>
<tr>
<th>Species</th>
<th>Common Name</th>
<th>Family</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>? <em>Conocara salmoneum</em> (Gill &amp; Townsend)</td>
<td>Salmon Slickhead</td>
<td>Alepocephalidae</td>
<td>Off Alaska and the southern 48 United States</td>
</tr>
<tr>
<td><em>Dicroline filamentosa</em> Garman</td>
<td>Threadfin Cusk-Eel</td>
<td>Ophidiidae</td>
<td>Noted off Cape Flattery, Washington, 48°19' N (Love 2000 WEBB page), close to Canadian border.</td>
</tr>
<tr>
<td><em>Zesticulus profundorum</em> (Gilbert)</td>
<td>Flabby Sculpin</td>
<td>Cottidae</td>
<td>See Stein (1978) and Eschmeyer et al. (1983).</td>
</tr>
<tr>
<td><em>Elassodiscus caudatus</em> (Gilbert)</td>
<td>Humpback Snailfish</td>
<td>Cyclopteridae</td>
<td>Known off Washington State and Welker Seamount in Alaska (Peden and Anderson 1981). The species can be anticipated to occur off British Columbia.</td>
</tr>
<tr>
<td><em>Rhinoliparis barbulifer</em> Gilbert</td>
<td>Longnose Snailfish</td>
<td>Cyclopteridae</td>
<td></td>
</tr>
<tr>
<td><em>Lycodapus dermatinus</em> Gilbert</td>
<td>Looseskin Eelpout</td>
<td>Zoarcidae</td>
<td></td>
</tr>
<tr>
<td><em>Lycodapus psarostomatus</em> Peden &amp; Anderson</td>
<td>Specklemouth Eelpout</td>
<td>Zoarcidae</td>
<td></td>
</tr>
<tr>
<td><em>Balistes polylepis</em> Steindachner</td>
<td>Finescale Triggerfish</td>
<td>Balistidae</td>
<td></td>
</tr>
</tbody>
</table>

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118 Mecklenburg *et al.* (2002) uses name “*Conocara*” for *Ericara*, the generic name historically used (see Fitch and Lavenberg 1968).
119 Noted off Cape Flattery, Washington, 48°19' N (Love 2000 WEBB page), close to Canadian border.
120 See Stein (1978) and Eschmeyer *et al.* (1983).
121 Likely an erroneous record off California (Love 2001 WEBB page), normally occurs between Bering Sea and Atlantic Ocean.
122 Known off Washington State and Welker Seamount in Alaska (Peden and Anderson 1981). The species can be anticipated to occur off British Columbia.