

# 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*, *Notoscopelus resplendens*, *Sebastes polyspinis*, and *Heterostichus rostratus*) and are not all included in this total. Species such as *Barbourisia 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*<sup>1</sup> is not known in Canadian waters; and *Ocella impi* is not a valid species<sup>2</sup>.

## SUPERCLASS AGNATHA: Jawless Fishes

### CLASS MYXINI: Hagfishes

#### ORDER MYXINIFORMES: Hagfishes

##### FAMILY MYXINIDAE: Hagfishes

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

<sup>1</sup> *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.

<sup>2</sup> Evidence to be published will place *Ocella impi* Gruchy as a junior synonym of *Stellerina xyosterna*.

## ORDER CEPHALASPIDOMORPHI

## FAMILY PETROMYXONTIDAE: Lampreys

# <i>Lampetra ayresi</i> (Gunther)	River Lamprey	F-LAAY
# <i>Lampetra tridentata</i> (Gairdner)	Pacific Lamprey	F-LATR

## CLASS CHONDRICHTHYS: Cartilaginous Fishes

## ORDER CHIMAERIFORMES: Modern Chimaeras

## FAMILY CHIMAERIDAE: Chimaeras

<i>Hydrolagus colliei</i> (Lay & Bennett)	Spotted Ratfish	F-HYCO
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## ORDER HEXANCHIFORMES: Sixgill and Sevengill Sharks

## FAMILY HEXANCHIDAE: Cow Sharks

<i>Hexanchus griseus</i> (Bonnaterre)	Sixgill Shark	F-HEGR
<i>Notorynchus cepedianus</i> (Peron)	Sevengill Shark	F-NOCE

## ORDER LAMNIFORMES: Lamniform Sharks

## FAMILY ALOPIIDAE: Thresher Sharks

<i>Alopias vulpinus</i> (Bonnaterre)	Thresher Shark	F-ALVU
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## FAMILY LAMNIDAE: Mackerel Sharks

<i>Carcharodon carcharias</i> (Linnaeus)	White Shark	F-CACA
<i>Isurus oxyrinchus</i> Rafinesque <sup>3</sup>	Shortfin Mako	F-ISOX
<i>Lamna ditropis</i> Hubbs & Follett	Salmon Shark	F-LADI

## FAMILY CETORHINIDAE: Basking Sharks

<i>Cetorhinus maximus</i> (Gunnerus)	Basking Shark	F-CEMA
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## ORDER CARCHARHINIFORMES: Ground Sharks

## FAMILY SCYLIORHINIDAE: Cat Sharks

<i>Apristurus brunneus</i> (Gilbert)	Brown Cat Shark	F-APBR
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## FAMILY CARCHARHINIDAE: Requiem Sharks

<i>Prionace glauca</i> (Linnaeus)	Blue Shark	F-PRGL
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## FAMILY TRIAKIDAE: Houndsharks

<i>Galeorhinus zyopterus</i> Jordan & Gilbert <sup>4</sup>	Soupfin Shark	F-GAZY
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<sup>3</sup> 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.

<sup>4</sup> Mecklenburg *et al.* (2002) used name *Galeorhinus galeus*.

ORDER **SQUALIFORMES**: Dogfishes and Sleeper SharksFAMILY **SQUALIDAE**: Dogfish Sharks

<i>Squalus acanthias</i> Linnaeus	Spiny Dogfish	F-SQAC
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FAMILY **DALATIIDAE**: Sleeper Sharks

<i>Somniosus pacificus</i> Bigelow & Schroeder	Pacific Sleeper Shark	F-SOPA
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ORDER **RAJIFORMES**: Skates and RaysFAMILY **TORPEDINIDAE**: Electric Rays

<i>Torpedo californica</i> Ayres	Pacific Electric Ray	F-TOCA
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FAMILY **RAJIDAE**: Skates

<i>Bathyraja abyssicola</i> (Gilbert)	Deepsea Skate	F-BAAB
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? <i>Bathyraja aleutica</i> (Gilbert) <sup>5,6</sup>	Aleutian Skate	F-BAAE
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<i>Bathyraja interrupta</i> (Gill & Townsend)	Sandpaper Skate	F-BAIT
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<i>Raja parmifera</i> Bean <sup>7</sup>	Alaska Skate	F-RAST
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<i>Bathyraja trachura</i> (Gilbert)	Roughtail Skate	F-BATR
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<i>Raja badia</i> Garman	Broad Skate	F-RABA
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<i>Raja binoculata</i> Girard	Big Skate	F-RABI
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<i>Raja rhina</i> (Jordan & Gilbert)	Longnose Skate	F-RARH
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FAMILY **DASYATIDAE**: Stingrays

<i>Dasyatis violacea</i> (Bonaparte) <sup>8</sup>	Pelagic Stingray	F-DAVI
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CLASS **ACTINOPTERYGII**: Bony FishesORDER **ACIPENSERIFORMES**: SturgeonsFAMILY **ACIPENSERIDAE**: Sturgeons

# <i>Acipenser medirostris</i> Ayres	Green Sturgeon	F-ACME
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# <i>Acipenser transmontanus</i> Richardson	White Sturgeon	F-ACTR
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<sup>5</sup> Change of generic name (Mecklenburg *et al.* (2002).

<sup>6</sup> Known in Bering Sea and Gulf of Alaska (Eschmeyer *et al.* 1983). Possibly recorded from southeastern Alaska (Wilimovsky 1954). [Further study on Royal B.C. Museum specimens courtesy of Graham Gillespie, DFO, may document record for British Columbia.] National Marine Fisheries Service (NMFS) 1998 data for North Pacific Fisheries Commission [north of Border off Cape Flattery] records "trace" of Aleutian skate. Ship-board documentation-identifications require verification.

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

<sup>8</sup> Previous literature (Hart 1973) refers to *Dasyatis dipterura* which, has yet to be documented with voucher specimens.

## ORDER ANGUILLIFORMES: Eels

FAMILY *UNKNOWN*: Transparent Eels <sup>9</sup>

<i>Thalassenchelys coheni</i> Castle & Raju	Transparent Eel	F-THCO
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## FAMILY CONGRIDAE: Conger Eels

<i>Xenomystax atrarius</i> Gilbert	Twinpored Eel	F-XEAT
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## FAMILY SERRIVOMERIDAE: Sawpalates

<i>Serrivomer jespersenii</i> Bauchot-Boutin	Crossthorat Sawpalate	F-SEJE
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## FAMILY NEMICHTHYIDAE: Snipe Eels

<i>Avocettina infans</i> (Gunther)	Close-Spine Snipe Eel <sup>10</sup>	F-AVIN
<i>Nemichthys scolopaceus</i> Richardson	Slender Snipe Eel	F-NESC

## ORDER NOTACANTHIFORMES: Halosaurs and Spiny Eels

## FAMILY NOTACANTHIDAE: Spiny Eels

<i>Notacanthus chemnitzii</i> Bloch <sup>11</sup>	Snubnosed Spinyeel	F-NOCH
<i>Polyacanthonotus challengerii</i> (Vaillant)	Longnose Tapirfish	F-POCH

## ORDER CLUPEIFORMES: Herrings

## FAMILY CLUPEIDAE: Herrings

#† <i>Alosa sapidissima</i> (Wilson)	American Shad	F-ALSA
<i>Clupea pallasii</i> Valenciennes	Pacific Herring	F-CLPA
<i>Sardinops sagax</i> (Jenyns)	Pacific Sardine	F-SASG

## FAMILY ENGRAULIDAE: Anchovies

<i>Engraulis mordax</i> Girard	Northern Anchovy	F-ENMO
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## ORDER CYPRINIFORMES: Minnows and Suckers

(Typically freshwater species but strays from Fraser River plume in Georgia Strait.)

## FAMILY CYPRINIDAE: Minnows and Carps

#† <i>Cyprinus carpio</i> Linnaeus	Common Carp	F-CYCA
# <i>Mylocheilus caurinus</i> (Richardson) <sup>12</sup>	Peamouth	F-MYCA

<sup>9</sup> 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.

<sup>10</sup> Mecklenburg *et al.* (2002) uses name "Blackline Snipe Eel".

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

<sup>12</sup> Typically freshwater, marine bycatch records include Peamouth apparently taken near mouth of Fraser River and elsewhere.

## ORDER OSMERIFORMES: Smelts

FAMILY MICROSTOMATIDAE: Pencilsmelts<sup>13</sup>

<i>Nansenia candida</i> Cohen	Bluethroat Argentine	F-NACA
? <i>Nansenia crassa</i> Lavenberg <sup>14</sup>	Giant Bluethroat	F-NACR

## FAMILY BATHYLAGIDAE: Deepsea Smelts

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

## FAMILY OPISTHOPROCTIDAE: Spookfishes

<i>Bathylchnops exilis</i> Cohen	Javelin Spookfish	F-BAEX
<i>Macropinna microstoma</i> Chapman	Barreleye	F-MAMI

## FAMILY ALEPOCEPHALIDAE: Slickheads

<i>Alepocephalus tenebrosus</i> Gilbert <sup>19</sup>	Slickhead	F-ALTE
<i>Talismania bifurcata</i> (Parr)	Threadfin Slickhead	F-TABI

## FAMILY PLATYTROCTIDAE: Tubeshoulders

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

## FAMILY OSMERIDAE: Smelts

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

<sup>13</sup> Common name adapted from Mecklenburg *et al.* (2002), not Argentines as used in previous lists (Resources Inventory Committee 2000).

<sup>14</sup> Peden (1975) unable to differentiate *Nansenia crassa* amongst *N. candida*, although Lavenberg differentiated species.

<sup>15</sup> Mecklenburg *et al.* (2002) used name *Pseudobathylagus milleri* (Jordan and Gilbert).

<sup>16</sup> Mecklenburg *et al.* (2002) used name *Lipolagus ochotensis* (Schmidt).

<sup>17</sup> Previous list (Resources Inventory Committee 2000) refers to *Bathylagus*, but *Leuroglossus* now retained by Mecklenburg *et al.* (2002).

<sup>18</sup> 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).

<sup>19</sup> Documentation based on a dozen specimens taken off Barkley Canyon (see Peden 1997b).

## ORDER SALMONIFORMES: Salmoniform Fishes

## FAMILY SALMONIDAE: Salmon and Trout

# <i>Oncorhynchus clarki</i> (Richardson) ssp: <i>clarki</i> (Richardson) <sup>20</sup>	Cutthroat Trout	F-ONCL
# <i>Oncorhynchus gorbuscha</i> (Walbaum)	Pink Salmon	F-ONGO
# <i>Oncorhynchus keta</i> (Walbaum)	Chum Salmon	F-ONKE
# <i>Oncorhynchus kisutch</i> (Walbaum)	Coho Salmon	F-ONKI
# <i>Oncorhynchus mykiss</i> (Walbaum)	Rainbow Trout <sup>21</sup>	F-ONMY
# <i>Oncorhynchus nerka</i> (Walbaum)	Sockeye Salmon	F-ONNE
# <i>Oncorhynchus tshawytscha</i> (Walbaum)	Chinook Salmon	F-ONTS
#† <i>Salmo salar</i> Linnaeus	Atlantic Salmon	F-SASA
#† <i>Salmo trutta</i> Linnaeus	Brown Trout	F-SATR
# <i>Salvelinus malma</i> (Walbaum)	Dolly Varden	F-SAMA

## ORDER STOMIIFORMES: Stomiiform Fishes

## FAMILY GONOSTOMATIDAE: Bristlemouths

<i>Cyclothone atraria</i> Gilbert <sup>22</sup>	Yellow Bristlemouth	F-CYAT
<i>Cyclothone pallida</i> Brauer	Tan Bristlemouth	F-CYPL
<i>Cyclothone pseudopallida</i> Mukhacheva	Phantom Bristlemouth	F-CYPS
<i>Cyclothone signata</i> Garman	Showy Bristlemouth	F-CYSI

## FAMILY STERNOPTYCHIDAE: Silvery Hatcherfishes

<i>Argyropelecus sladeni</i> Regan <sup>23</sup>	Silvery Hatcherfish <sup>24</sup>	F-ARSL
<i>Danaphos oculatus</i> (Garman)	Bottlelight	F-DAOC
<i>Sternoptyx pseudobscura</i> Baird	Highlight Hatcherfish	F-STPS

## FAMILY PHOSICHTHYIDAE: Lightfishes

<i>Ichthyococcus elongatus</i> Imai	Slim Lightfish	F-ICEL
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FAMILY STOMIIDAE: Barbeled Dragonfishes<sup>25</sup>

<i>Aristostomias scintillans</i> (Gilbert) <sup>26</sup>	Shining Loosejaw	F-ARSC
<i>Bathophilus flemingi</i> Aron & McCrery	Highfin Dragonfish	F-BAFL
<i>Chauliodus macouni</i> Bean <sup>27</sup>	Pacific Viperfish	F-CHMA
<i>Idiacanthus antrosomus</i> Gilbert <sup>28</sup>	Pacific Dragonfish	F-IDAN

<sup>20</sup> 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.

<sup>21</sup> Rainbow Trout includes sea-run Steelhead.

<sup>22</sup> *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).

<sup>23</sup> *Argyropelecus lychnus* repeatedly recorded from British Columbia (Eschmeyer 1983, Matarese *et al.* 1989, Gillespie 1993). Comparative material needed before confirmation of two *Argyropelecus* species off British Columbia.

<sup>24</sup> Mecklenburg *et al.* (2002) used name "Lowcrest Hatcherfish."

<sup>25</sup> Mecklenburg *et al.* (2002) synonymises family Chauliodontidae with family Stomiidae.

<sup>26</sup> Mecklenburg *et al.* (2002) demoted family Malacosteidae to a subfamily within family Stomiidae.

<sup>27</sup> Mecklenburg *et al.* (2002) places *Chauliodus* in family Stomiidae.

<i>Opostomias mitsuui</i> Imai	Pitgum Dragonfish	F-OPMI
<i>Tactostoma macropus</i> Bolin	Longfin Dragonfish	F-TAMA

## ORDER AULOPIFORMES: Aulopiform

<b>FAMILY SCOPELARCHIDAE:</b> Pearleyes		
<i>Benthalbella dentata</i> (Chapman)	Northern Pearleye	F-BEDE
<b>FAMILY NOTOSUDIDAE:</b> Waryfishes		
<i>Scopelosaurus harryi</i> Mead	Scaly Waryfish	F-SCHA
<b>FAMILY SYNODONTIDAE:</b> Lizard Fishes		
<i>Synodus lucioceps</i> (Ayres) <sup>29</sup>	Smallscale Lizardfish	F-SYLU
<b>FAMILY PARALEPIDAE:</b> Barracudinas		
<i>Lestidiops ringens</i> (Jordan & Gilbert)	Slender Barracudina	F-LERI
<i>Notolepis rissoi</i> (Bonaparte) <sup>30</sup>	White Barracudina <sup>31</sup>	F-NORI
<i>Paralepis atlantica</i> Kroyer <sup>32</sup>	Duckbill Barracudina	F-PAAT
<b>FAMILY ANOPTERIDAE:</b> Daggertooshs		
<i>Anopterus pharao</i> Zugmayer <sup>33</sup>	Daggertooth <sup>34</sup>	F-ANPH
<b>FAMILY ALEPISAUURIDAE:</b> Lancetfishes		
<i>Alepisaurus ferox</i> Lowe	Longnose Lancetfish	F-ALFE

## ORDER MYCTOPHIFORMES: Myctophiform Fishes

<b>FAMILY NEOSCOPELIDAE:</b> Blackchins		
<i>Neoscopelus macrolepidotus</i> Johnson	Glowingfish	F-NEMA
<b>FAMILY MYCTOPHIDAE:</b> Lanternfishes		
<i>Ceratospinelus townsendi</i> Eigenmann & Eigenmann	Dogtooth Lanternfish	F-CETO
<i>Diaphus theta</i> Eigenmann & Eigenmann	California Headlightfish	F-DITH
<i>Lampadena urophaos</i> Paxton	Taillight Lanternfish	F-LAUR
<i>Lampanyctus regalis</i> (Gilbert)	Pinpoint Lanternfish	F-LARE
<i>Lampanyctus ritteri</i> Gilbert	Broadfin Lanternfish	F-LARI
<i>Notoscopelus japonicus</i> (Tanaka)	Spiny Lanternfish	F-NOJA
? <i>Notoscopelus resplendens</i> (Richardson) <sup>35</sup>	Patchwork Lampfish	F-NORE
<i>Protomyctophum crockeri</i> (Bolin)	California Flashlightfish <sup>36</sup>	F-PRCR

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

<sup>29</sup> Attributed to El Nino occurrence (Fulton and LaBrosseur 1985, Pearcy and Schoener 1987).

<sup>30</sup> Mecklenburg *et al.* (2002) used name *Arctozenus risso*.

<sup>31</sup> Change of English name (Robins *et al.* 1991).

<sup>32</sup> Mecklenburg *et al.* (2002) used name *Magnisudis atlantica* (Kroyer).

<sup>33</sup> Mecklenburg *et al.* (2002) used name, *Anopterus nilparini*.

<sup>34</sup> Mecklenburg *et al.* (2002) used name, "North Pacific Daggertooth".

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

<sup>36</sup> Change of English name (Robbins *et al.* 1991), but inconsistent with name used by Mecklenburg *et al.* (2002).

<i>Protomyctophum thompsoni</i> (Chapman)	Northern Flashlightfish <sup>37</sup>	F-PRTH
<i>Stenobranchius leucopsarus</i> (Eigenmann & Eigenmann)	Northern Lanternfish	F-STLE
<i>Stenobranchius nannochir</i> (Gilbert)	Garnet Lanternfish	F-STNA
<i>Symbolophorus californiensis</i> (Eigenmann & Eigenmann)	Bigfin Lanternfish	F-SYCA
<i>Tarletonbeania crenularis</i> (Jordan & Gilbert) <sup>38</sup>	Southern Blue Lanternfish	F-TACR
<i>Tarletonbeania taylori</i> Mead <sup>38</sup>	Northern Blue Lanternfish	F-TATA

ORDER **OPHIDIIFORMES**: Ophidiiform FishesFAMILY **OPHIDIIDAE**: Cusk Eels

<i>Spectrunculus grandis</i> (Gunther)	Giant Cuskeel	F-SPGR
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FAMILY **BYTHITIDAE**: Viviparous Brotulas

<i>Brosomphycis marginata</i> (Ayres)	Red Brotula	F-BRMA
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ORDER **GADIFORMES**: Gadiform FishesFAMILY **MACROURIDAE**: Grenadiers

<i>Albatrossia pectoralis</i> (Gilbert)	Giant Grenadier <sup>39</sup>	F-ALPE
<i>Coryphaenoides acrolepis</i> (Bean)	Roughscale Grenadier <sup>40</sup>	F-COAC
<i>Coryphaenoides armatus</i> (Hector)	Smooth Abyssal Grenadier <sup>41</sup>	F-COAM
<i>Coryphaenoides cinereus</i> (Gilbert)	Popeye <sup>42</sup>	F-COCI
<i>Coryphaenoides filifer</i> (Gilbert)	Filamented Grenadier <sup>43</sup>	F-COFI
<i>Coryphaenoides leptolepis</i> Gunther	Ghostly Grenadier	F-COLE
<i>Nezumia stelgidolepis</i> (Gilbert)	California Grenadier <sup>44</sup>	F-NEST

FAMILY **MORIDAE**: Moras

? <i>Halargyreus johnsoni</i> Gunther <sup>45</sup>	Dainty Mora	F-HAJO
<i>Antimora microlepis</i> Bean	Pacific Flatnose	F-ANMI

FAMILY **MELANONIDAE**: Coalfishes

<i>Melanonus zugmayeri</i> Norman	Coalfish	F-MEZU
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<sup>37</sup> Inconsistent with English name used by Mecklenburg *et al.* (2002), but must await American Fisheries Society-American Society of Ichthyologists and Herpetologists names anticipated in 2002.

<sup>38</sup> *Tarletonbeania crenularis* and *T. taylori* frequently recognized as a single species (*T. crenulus*). Males off British Columbia recognized by length of caudal luminescent glands. *T. crenulus* from California Current System, *T. taylori* abundant in the Subarctic Domain, both forms sympatric off British Columbia (Peden *et al.* 1985). Mecklenburg *et al.* (2002) only recognize *T. crenularis*.

<sup>39</sup> Change of English name (Robbins *et al.* 1991).

<sup>40</sup> Mecklenburg *et al.* (2002) used name "Pacific Grenadier".

<sup>41</sup> Mecklenburg *et al.* (2002) used name "Smooth Abyssal Grenadadger."

<sup>42</sup> Mecklenburg *et al.* (2002) used name "Popeye Grenadier".

<sup>43</sup> Mecklenburg *et al.* (2002) used name "Threadfin Grenadeier".

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

<sup>45</sup> *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 it is definitely an addition to known fishes off British Columbia.



**FAMILY MERLUCCIIDAE:** Hakes

<i>Merluccius productus</i> (Ayres)	Pacific Hake	F-MEPR
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**FAMILY GADIDAE:** Cods

<i>Gadus macrocephalus</i> Tilesius	Pacific Cod	F-GAMA
<i>Microgadus proximus</i> Girard	Pacific Tomcod	F-MIPR
<i>Theragra chalcogramma</i> (Pallas) <sup>46</sup>	Walleye Polloch	F-THCH

**ORDER BATRACHOIDIFORMES:** Batrachoidiform Fishes**FAMILY BATRACHOIDIDAE:** Toadfishes

<i>Porichthys notatus</i> Girard	Plainfin Midshipman	F-PONO
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**ORDER LOPHIIFORMES:** Angler Fishes**FAMILY ONEIRODIDAE:** Dreamers

<i>Chaenophryne melanorhabdus</i> Regan & Trewavas	Smooth Dreamer	F-CHME
<i>Oneirodes bulbosus</i> Chapman	Bulbous Dreamer	F-ONBU
<i>Oneirodes thompsoni</i> (Schultz)	Spiny Dreamer <sup>47</sup>	F-ONTH

**FAMILY CERATIIDAE:** Seadevils

<i>Ceratias holboelli</i> Kroeyer <sup>48</sup>	Northern Seadevil <sup>49</sup>	F-CEHO
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**ORDER ATHERINIFORMES:** Atheriniform Fishes**FAMILY ATHERINIDAE:** Silversides

<i>Atherinops affinis</i> (Ayres)	Topsmelt	F-ATAF
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**FAMILY SCOMBERESOCIDAE:** Sauries

<i>Cololabis saira</i> (Brevoort)	Pacific Saury	F-COSA
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**ORDER LAMPRIFORMES:** Lampriform Fishes**FAMILY LAMPRIDAE:** Opahs

<i>Lampris guttatus</i> (Brunnich)	Opah	F-LAGU
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**FAMILY TRACHIPTERIDAE:** Ribbonfishes

<i>Trachipterus altivelis</i> Kner	King-of-the-Salmon	F-TRAL
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<sup>46</sup> Placed in family Gadidae by Robbins *et al.* (1991).

<sup>47</sup> Mecklenburg *et al.* (2002) uses name "Alaska Dreamer". Occurrence off British Columbia requires retention of existing name.

<sup>48</sup> Specimens deposited at Royal B.C. Museum and recorded by Anonymous (1993) and (Peden 1997a).

<sup>49</sup> Change of English name (Mecklenburg 2002).

## ORDER STEPHANOBERYCIFORMES: Stephanoberyciform Fishes

## FAMILY MELAMPHAEIDAE: Ridgeheads

<i>Melamphaes lugubris</i> Gilbert	Highsnout Ridgehead <sup>50</sup>	F-MELU
<i>Poromitra crassiceps</i> (Gunther)	Crested Ridgehead <sup>51</sup>	F-POCR
<i>Scopelogadus mizolepis</i> Gunther	Flabby Ridgehead	F-SCMI

FAMILY BARBOURISIIDAE: Whalefishes<sup>52</sup>

? <i>Barbourisia rufa</i> Parr <sup>53</sup>	Velvet Whale Fish	F-BARU
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## ORDER BERYCIFORMES: Beryciform Fishes

## FAMILY ANOFLAGASTERIDAE: Fangtooths

<i>Anoplögaster cornuta</i> (Valenciennes) <sup>54</sup>	Fangtooth <sup>55</sup>	F-ANCO
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## ORDER ZEIFORMES: Zeiform Fishes

## FAMILY OREOSOMATIDAE: Oreos

<i>Allocyttus verrucosus</i> (Gilchrist)	Oreo	F-ALVE
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ORDER GASTEROSTEIFORMES: Gasterosteiform Fishes<sup>56</sup>FAMILY GASTEROSTEIDAE: Sticklebacks<sup>57, 58</sup>

<i>Aulorhynchus flavidus</i> Gill <sup>58</sup>	Tubesnout	F-AUFL
# <i>Gasterosteus aculeatus</i> Linnaeus	Threespine Stickleback	F-GAAC

FAMILY SYNGNATHIDAE: Pipefishes<sup>59</sup>

<i>Syngnathus leptorhynchus</i> Girard	Bay Pipefish	F-SYLE
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<sup>50</sup> Mecklenburg *et al.* (2002) used name “Highsnout Bigscale”.

<sup>51</sup> Mecklenburg *et al.* (2002) used name “Crested Bigscale”.

<sup>52</sup> See comments for species below.

<sup>53</sup> Tentative identity based on two specimens courtesy Archipelago Marine Research: First specimen from “Nitinat Canyon” (48° 12.2’ N, 125° 59.3’ W) caught 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 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.

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

<sup>55</sup> Mecklenburg *et al.* (2002) used name “Longhorn Fangtooth”.

<sup>56</sup> Robins *et al.* (1991) placed Syngnathiformes with order Gasterosteiformes.

<sup>57</sup> 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.

<sup>58</sup> Robins *et al.* (1991) placed Aulorhynchidae (Tubesnouts) with family Gasterosteidae.

<sup>59</sup> 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

<i>Sebastes aleutianus</i> (Jordan & Evermann)	Rougheye Rockfish	F-SEAL
<i>Sebastes alutus</i> (Gilbert)	Pacific Ocean Perch	F-SEAT
<i>Sebastes auriculatus</i> Girard	Brown Rockfish	F-SEAU
<i>Sebastes aurora</i> (Gilbert)	Aurora Rockfish	F-SEAR
<i>Sebastes babcocki</i> (Thompson)	Redbanded Rockfish	F-SEBA
<i>Sebastes borealis</i> Barsukov	Shorthead Rockfish	F-SEBO
<i>Sebastes brevispinis</i> (Bean)	Silvergray Rockfish	F-SEBR
<i>Sebastes caurinus</i> Richardson	Copper Rockfish	F-SECA
<i>Sebastes ciliatus</i> (Tilesius)	Dusky Rockfish	F-SECI
<i>Sebastes crameri</i> (Jordan)	Darkblotched Rockfish <sup>60</sup>	F-SECR
<i>Sebastes diploprora</i> (Gilbert)	Splitnose Rockfish	F-SEDI
<i>Sebastes elongatus</i> Ayres	Greenstriped Rockfish <sup>61</sup>	F-SEEL
<i>Sebastes emphaeus</i> (Starks)	Puget Sound Rockfish	F-SEEM
<i>Sebastes entomelas</i> (Jordan & Gilbert)	Widow Rockfish	F-SEEN
<i>Sebastes flavidus</i> (Ayres)	Yellowtail Rockfish	F-SEFL
<i>Sebastes goodei</i> (Eigenmann & Eigenmann)	Chilipepper	F-SEGO
<i>Sebastes helvomaculatus</i> Ayres	Rosethorn Rockfish	F-SEHE
<i>Sebastes jordani</i> (Gilbert)	Shortbelly Rockfish	F-SEJO
<i>Sebastes maliger</i> (Jordan & Gilbert)	Quillback Rockfish	F-SEMA
<i>Sebastes melanops</i> Girard	Black Rockfish	F-SEME
<i>Sebastes melanostomus</i> Eigenmann & Eigenmann <sup>62</sup>	Blackgill Rockfish	F-SEML
<i>Sebastes miniatus</i> (Jordan & Gilbert)	Vermilion Rockfish	F-SEMI
<i>Sebastes mystinus</i> (Jordan & Gilbert)	Blue Rockfish	F-SEMY
<i>Sebastes nebulosus</i> Ayres	China Rockfish	F-SENE
<i>Sebastes nigrocinctus</i> Ayres	Tiger Rockfish	F-SENI
<i>Sebastes paucispinis</i> Ayres	Bocaccio	F-SEPA
<i>Sebastes pinniger</i> (Gill)	Canary Rockfish	F-SEPI
? <i>Sebastes polyspinis</i> (Taranetz & Moiseev) <sup>63</sup>	Northern Rockfish	F-SEPL
<i>Sebastes proriger</i> (Jordan & Gilbert)	Redstripe Rockfish	F-SEPR
<i>Sebastes reedi</i> (Westheim & Tsuyuki)	Yellowmouth Rockfish	F-SERE
<i>Sebastes ruberrimus</i> (Cramer)	Yelloweye Rockfish	F-SERU
<i>Sebastes rufus</i> Eigenman & Eigenmann <sup>64</sup>	Bank Rockfish	F-SERF
<i>Sebastes saxicola</i> (Gilbert)	Stripetail Rockfish	F-SESA
<i>Sebastes variegatus</i> Quast	Harlequin Rockfish	F-SEVA
<i>Sebastes wilsoni</i> (Gilbert)	Pygmy Rockfish	F-SEWI
<i>Sebastes zacentrus</i> (Gilbert)	Sharpchin Rockfish	F-SEZA

<sup>60</sup> Change of “Darkblotch” to “Darkblotched” Rockfish (Robbins *et al.* 1991).

<sup>61</sup> Change of “Greenstripe” to “Greenstriped” Rockfish (Robbins *et al.* 1991).

<sup>62</sup> 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.

<sup>63</sup> Reported in catch data from Dixon Entrance (Allen and Smith 1988). Voucher specimens still required from British Columbia.

<sup>64</sup> 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.

<i>Sebastolobus alascanus</i> Bean	Shortspine Thornyhead	F-SEAS
<i>Sebastolobus altivelis</i> Gilbert	Longspine Thornyhead	F-SEAI
<b>FAMILY ANOPLPOMATIDAE:</b> Sablefishes		
<i>Anoplopoma fimbria</i> (Pallas)	Sablefish	F-ANFI
<i>Erilepis zonifer</i> (Lockington)	Skilfish	F-ERZO
<b>FAMILY HEXAGRAMMIDAE:</b> Greenlings <sup>65</sup>		
<i>Hexagrammos decagrammus</i> (Pallas)	Kelp Greenling	F-HEDE
<i>Hexagrammos lagocephalus</i> (Pallas)	Rock Greenling	F-HELA
<i>Hexagrammos octogrammus</i> (Pallas)	Masked Greenling	F-HEOC
<i>Hexagrammos stelleri</i> Tilesius	Whitespotted Greenling	F-HEST
<i>Ophiodon elongatus</i> Girard	Lingcod	F-OPEL
<i>Oxylebius pictus</i> Gill	Painted Greenling	F-OXPI
<i>Pleurogrammus monoptyerygius</i> (Pallas)	Atka Mackerel	F-PLMO
<i>Zaniolepis latipinnus</i> Girard <sup>65</sup>	Longspine Combfish	F-ZALA
<b>FAMILY RHAMPHOCOTTIDAE</b> Grunt Sculpins <sup>66</sup>		
<i>Rhamphocottus richardsonii</i> Gunther <sup>67</sup>	Grunt Sculpin	F-RHRI
<b>FAMILY COTTIDAE:</b> Sculpins		
<i>Artedius fenestralis</i> Jordan & Gilbert	Padded Sculpin	F-ARFE
<i>Artedius harringtoni</i> (Starks)	Scalyhead Sculpin	F-ARHA
<i>Artedius lateralis</i> (Girard)	Smoothhead Sculpin	F-ARLA
<i>Ascelichthys rhodorus</i> Jordan & Gilbert	Rosylip Sculpin	F-ASRH
<i>Asemichthys taylori</i> Gilbert	Spinynose Sculpin	F-ASTA
<i>Chitonotus pugetensis</i> (Steindachner)	Roughback Sculpin	F-CHPU
<i>Clinocottus acuticeps</i> (Gilbert)	Sharpnose Sculpin	F-CLAC
<i>Clinocottus embryum</i> (Jordan & Starks)	Calico Sculpin	F-CLEM
<i>Clinocottus globiceps</i> (Girard)	Mosshead Sculpin	F-CLGL
# <i>Cottus aleuticus</i> Gilbert <sup>68</sup>	Coastrange Sculpin	F-COAL
# <i>Cottus asper</i> Richardson <sup>68</sup>	Prickly Sculpin	F-COAS
<i>Enophrys bison</i> (Girard)	Buffalo Sculpin	F-ENBI
<i>Enophrys lucasi</i> (Jordan and Gilbert)	Leister Sculpin	F-ENLU
<i>Gymnocanthus galeatus</i> Bean	Armorhead Sculpin	F-GYGA
<i>Hemilepidotus hemilepidotus</i> (Tilesius)	Red Irish Lord	F-HEHE
<i>Hemilepidotus spinosus</i> (Ayres)	Brown Irish Lord	F-HESP
<i>Icelinus borealis</i> Gilbert	Northern Sculpin	F-ICBO
<i>Icelinus burchami</i> Evermann & Golbsborough	Dusky Sculpin	F-ICBU
<i>Icelinus filamentosus</i> Gilbert	Threadfin Sculpin	F-ICFI
<i>Icelinus fimbriatus</i> Gilbert	Fringed Sculpin	F-ICFM
<i>Icelinus tenuis</i> Gilbert	Spotfin Sculpin	F-ICTE
<i>Icelus spiniger</i> Gilbert	Thorny Sculpin	F-ICSP
<i>Jordania zonope</i> Starks	Longfin Sculpin	F-JOZO
# <i>Leptocottus armatus</i> Girard	Staghorn Sculpin	F-LEAR

<sup>65</sup> Zaniolepididae combined with family Hexagrammidae (Robbins *et al.* 1991)

<sup>66</sup> Mecklenburg *et al.* (2002) recognized family Rhamphocottidae split from family Cottidae.

<sup>67</sup> Extra “i” added by Mecklenburg *et al.* (2002).

<sup>68</sup> Normally found in freshwater, and rarely in marine waters near estuaries.

<i>Myoxocephalus polyacanthocephalus</i> (Pallas)	Great Sculpin	F-MYPO
<i>Myoxocephalus verrucosus</i> (Bean) <sup>69</sup>	Warty Sculpin <sup>70</sup>	F-MYVE
<i>Oligocottus maculosus</i> Girard	Tidepool Sculpin	F-OLMA
<i>Oligocottus rimensis</i> (Greeley)	Saddleback Sculpin	F-OLRI
<i>Oligocottus snyderi</i> Greeley	Fluffy Sculpin	F-OLSN
<i>Paricelinus hopliticus</i> Eigenmann & Eigenmann	Thornback Sculpin	F-PAHO
<i>Radulinus asprellus</i> Gilbert	Slim Sculpin	F-RAAS
<i>Radulinus boleoides</i> Gilbert	Darter Sculpin	F-RABO
<i>Ruscarius meanyi</i> Jordan & Starks <sup>71</sup>	Puget Sound Sculpin	F-RUME
<i>Scorpaenichthys marmoratus</i> (Ayres)	Cabezon	F-SCMA
<i>Synchirus gilli</i> Bean	Manacled Sculpin	F-SYGI
<i>Triglops macellus</i> (Bean)	Roughspine Sculpin	F-TRMA
<i>Triglops pingeli</i> Reinhardt	Ribbed Sculpin	F-TRPI
<b>FAMILY HEMITRIPTERIDAE: Sailfin Fishes</b> <sup>72</sup>		
<i>Blepsias bilobus</i> Cuvier	Crested Sculpin	F-BLBI
<i>Blepsias cirrhosus</i> (Pallas)	Silverspot Sculpin	F-BLCI
<i>Hemitripterus bolini</i> (Myers)	Bigmouth Sculpin	F-HEBO
<i>Nautichthys oculofasciatus</i> (Girard)	Sailfin Sculpin	F-NAOC
<i>Nautichthys robustus</i> Peden	Shortmast Sculpin	F-NARO
<b>FAMILY PSYCHROLUTIDAE: Tadpole Fishes</b>		
<i>Dasycottus setiger</i> Bean	Spinyhead Sculpin	F-DASE
<i>Malacocottus kincaidi</i> Gilbert & Thompson <sup>73</sup>	Blackfin Sculpin	F-MAKI
<i>Malacocottus zonurus</i> Bean <sup>74</sup>	Darkfin Sculpin	F-MAZO
<i>Psychrolutes paradoxus</i> Gunther	Tadpole Sculpin	F-PSPA
<i>Psychrolutes phrictus</i> Stein & Bond	Giant Blobsculpin	F-PSPH
<i>Psychrolutes sigalutes</i> (Jordan & Starks)	Soft Sculpin	F-PSSI
<b>FAMILY AGONIDAE: Poachers</b> <sup>75</sup>		
<i>Agonopsis vulsa</i> (Jordan & Gilbert)	Northern Spearnose Poacher	F-AGVU
<i>Anoplagonus inermis</i> (Gunther)	Smooth Alligatorfish	F-ANIN
<i>BathYGONUS alascanus</i> (Gilbert)	Gray Starsnout	F-BAAL
<i>BathYGONUS infraspinus</i> (Gilbert)	Spinycheek Starsnout	F-BAIN
<i>BathYGONUS nigripinnis</i> Gilbert	Blackfin Poacher	F-BANI
<i>BathYGONUS pentacanthus</i> (Gilbert)	Bigeye Poacher	F-BAPE
<i>BothrAGONUS swani</i> (Steindachner)	Rockhead	F-BOSW
<i>HypsAGONUS mozinoi</i> (Wilimovsky & Wilson) <sup>76</sup>	Kelp Poacher	F-HYMO
<i>HypsAGONUS quadricornis</i> (Cuvier)	Fourhorn Poacher	F-HYQU
<i>ChesNONA verrucosa</i> (Lockington) <sup>77</sup>	Warty Poacher	F-CHVE

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

<sup>70</sup> English name used by Robins *et al.* (1991) may differ to Mecklenburg *et al.* (2002).

<sup>71</sup> Robbins *et al.* (1991) referred *Artedius meanyi* to genus *Ruscarius*.

<sup>72</sup> Mecklenburg *et al.* (2002) recognized family Hemitripterae, split from family Cottidae.

<sup>73</sup> *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.

<sup>74</sup> Placed in family Cottidae by Robbins *et al.* (1991). Change of English name.

<sup>75</sup> Evidence to be published will place *Occella impi* Gruchy as a junior synonym of *Stellerina xyosterna*.

<sup>76</sup> Recent review by Mecklenburg *et al.* (2002) places *Agonomalus mozinoi* within *Hypsagonus*.

<sup>77</sup> Change of generic name (Mecklenburg *et al.* 2002).

<i>Odontopyxis trispinosa</i> Lockington	Pygmy Poacher	F-ODTR
<i>Pallasina barbata</i> (Steindachner)	Tube-nose Poacher	F-PABA
<i>Podothecus acipenserinus</i> (Pallas) <sup>78</sup>	Sturgeon Poacher	F-POAC
<i>Leptagonus frenatus</i> (Gilbert) <sup>79</sup>	Sawback Poacher	F-LEFR
<i>Stellerina xyosterna</i> (Jordan & Gilbert) <sup>80</sup>	Pricklebreast Poacher	F-STXY
<i>Xeneretmus latifrons</i> (Gilbert)	Blacktip Poacher	F-XELA
<i>Xeneretmus leiops</i> Gilbert	Smootheye Poacher	F-XELE
<i>Xeneretmus triacanthus</i> (Gilbert)	Bluespotted Poacher	F-XETR

**FAMILY CYCLOPTERIDAE: Lump-suckers**<sup>81</sup>

<i>Aptocyclus ventricosus</i> (Pallas)	Smooth Lump-sucker	F-APVE
<i>Eumicrotremus orbis</i> (Gunther)	Pacific Spiny Lump-sucker	F-EUOR

**FAMILY LIPARIDAE: Snailfishes**

<i>Acantholiparis opercularis</i> Gilbert & Burke	Spiny Snailfish	F-ACOP
<i>Careproctus</i> sp. (undescribed) <sup>82</sup>	Obscure Snailfish	F-CACO
<i>Careproctus cypselurus</i> Jordan & Gilbert <sup>83</sup>	Falcate Snailfish	F-CACY
<i>Careproctus gilberti</i> Burke	Small-disk Snailfish	F-CAGI
<i>Careproctus melanurus</i> Gilbert	Blacktail Snailfish	F-CAME
<i>Careproctus oregonensis</i> Stein	Smallfin Snailfish	F-CAOR
<i>Careproctus ovigerum</i> (Gilbert)	Abyssal Snailfish	F-CAOV
<i>Liparis callyodon</i> (Pallas)	Spotted Snailfish	F-LICA
<i>Liparis cyclopus</i> Gunther	Ribbon Snailfish	F-LICY
<i>Liparis dennyi</i> Jordan & Starks	Marbled Snailfish	F-LIDE
<i>Liparis florae</i> (Jordan & Starks)	Tidepool Snailfish	F-LIFL
<i>Liparis fucensis</i> Gilbert	Slipskin Snailfish	F-LIFU
<i>Liparis gibbus</i> Bean	Variiegated Snailfish <sup>84</sup>	F-LIGI
<i>Liparis greeni</i> (Jordan & Starks)	Lobefin Snailfish	F-LIGR
<i>Liparis mucosus</i> Ayres	Slimy Snailfish	F-LIMU
<i>Liparis pulchellus</i> Ayres	Showy Snailfish	F-LIPU
<i>Liparis rutteri</i> (Gilbert & Snyder)	Ringtail Snailfish	F-LIRU
<i>Lipariscus nanus</i> Gilbert	Pygmy Snailfish	F-LINA
<i>Nectoliparis pelagicus</i> Gilbert & Burke	Tadpole Snailfish	F-NEPE
<i>Osteodiscus cascadae</i> Stein	Bigtailed Snailfish	F-OSCA
<i>Paraliparis cephalus</i> Gilbert	Swellhead Snailfish	F-PACE
<i>Paraliparis deani</i> Burke	Prickly Snailfish	F-PADE
<i>Paraliparis latifrons</i> Garman	Bigpored Snailfish	F-PALA
<i>Paraliparis melanobranchus</i> Gilbert & Burke <sup>83</sup>	Phantom Snailfish	F-PAME
<i>Paraliparis paucidens</i> Stein	Toothless Snailfish	F-PAPA
<i>Paraliparis pectoralis</i> Stein	Pectoral Snailfish	F-PAPE
<i>Paraliparis rosaceus</i> Gilbert	Pink Snailfish	F-PARO

<sup>78</sup> Mecklenburg *et al.* (2002) changed generic name of *Agonus* back to *Podothecus*.

<sup>79</sup> Species moved from *Sarritor* to *Leptagonus* (Mecklenburg *et al.* 2002).

<sup>80</sup> Includes synonym of *Ocella impi* as junior synonym.

<sup>81</sup> Family Liparidae (Snailfishes) split from family Cyclopteridae (Lump-suckers) by Mecklenburg *et al.* (2002).

<sup>82</sup> 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 ovipositor as to be expected in *C. melanurus* having fewer, very large eggs (Peden and Sendall 2001 ms).

<sup>83</sup> Specimens are at Royal B.C. Museum (Peden and Sendall 2001ms).

<sup>84</sup> English name changed to conform to Robbins *et al.* (1991).

<i>Rhinoliparis attenuatus</i> Burke	Slim Snailfish	F-RHAT
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## ORDER PERCIFORMES: Perciform Fishes

## FAMILY PERCICHTHYIDAE: Temperate Basses

† <i>Morone saxatilis</i> (Walbaum)	Striped Bass	F-MOSA
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## FAMILY MALACANTHIDAE: Tilefishes

<i>Caulolatilus princeps</i> (Jenyns)	Ocean Whitefish	F-CAPR
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## FAMILY ECHENEIDAE: Remoras

<i>Remora australis</i> (Bennett)	Whalesucker	F-REAU
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## FAMILY CARANGIDAE: Jacks

<i>Naucrates ductor</i> (Linnaeus)	Pilotfish	F-NADU
<i>Seriola lalandi</i> Valenciennes	Yellowtail	F-SELA
<i>Trachurus symmetricus</i> (Ayres)	Jack Mackerel	F-TRSY

## FAMILY BRAMIDAE: Pomfrets

<i>Brama japonica</i> Hilgendorf	Pacific Pomfret	F-BRJA
<i>Taractes asper</i> Lowe	Rough Pomfret	F-TAAS

## FAMILY CARISTIIDAE: Manefishes

<i>Caristius macropus</i> (Bellotti)	Bigmouth Manefish	F-CAMC
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## FAMILY SCIAENIDAE: Drums

<i>Atractoscion nobilis</i> (Ayres)	White Seabass	F-ATNO
<i>Genyonemus lineatus</i> (Ayres)	White Croaker	F-GELI
<i>Seriphus politus</i> Ayres	Queenfish	F-SEPO

## FAMILY PENTACEROTIDAE: Armorheads

<i>Pentaceros wheeleri</i> Hardy <sup>85, 86</sup>	North Pacific Pelagic Armorhead	F-PEWH
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## FAMILY KYPHOSIDAE: Seachubs

<i>Medialuna californiensis</i> (Steindachner)	Halfmoon	F-MECA
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## FAMILY EMBIOTOCIDAE: Surfperches

<i>Amphistichus rhodoterus</i> (Agassiz)	Redtail Surfperch	F-AMRH
<i>Brachyistius frenatus</i> Gill	Kelp Perch	F-BRFR
<i>Cymatogaster aggregata</i> Gibbons	Shiner Perch	F-CYAG
<i>Embiotoca lateralis</i> Agassiz	Striped Seaperch	F-EMLA
<i>Hyperprosopon argenteum</i> Gibbons	Walleye Surfperch	F-HYAR
<i>Hyperprosopon ellipticum</i> (Gibbons)	Silver Surfperch	F-HYEL
<i>Phanerodon furcatus</i> Girard <sup>87</sup>	White Seaperch	F-PHFU

<sup>85</sup> Mecklenburg *et al.* (2002) used name *Pseudopentaceros* as did Clemens and Wilby (1961). Robbins *et al.* (1991) used *Pentaceros*. Gillespie (1993) notes *P. richardsoni* Smith is confined to the southern hemisphere.

<sup>86</sup> 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.

<sup>87</sup> Records from British Columbia are old. Voucher specimens required for verification of current status.

<i>Rhacochilus vacca</i> (Girard)	Pile Perch	F-RHVA
<b>FAMILY BATHYMASTERIDAE: Ronquils</b>		
<i>Bathymaster caeruleofasciatus</i> Gilbert & Burke	Alaskan Ronquil <sup>88</sup>	F-BACA
<i>Bathymaster signatus</i> Cope	Searcher	F-BASI
<i>Ronquilus jordani</i> (Gilbert)	Northern Ronquil	F-ROJO
<b>FAMILY ZOARCIDAE: Eelpouts</b>		
<i>Bothrocara brunneum</i> (Bean)	Twoline Eelpout	F-BOBR
? <i>Bothrocara molle</i> Bean <sup>89</sup>	Soft Eelpout	F-BOMO
<i>Bothrocara pusillum</i> (Bean)	Alaska Eelpout	F-BOPU
<i>Bothrocara remigerum</i> Gilbert	Longsnout Eelpout	F-BORE
<i>Derepodichthys alepidotus</i> Gilbert	Cuskpout	F-DEAL
<i>Lycenchelys camchaticus</i> Gilbert & Burke <sup>90</sup>	Kamchatka Eelpout <sup>91</sup>	F-LYCA
<i>Lycenchelys crotalinus</i> (Gilbert)	Snakehead Eelpout	F-LYCR
<i>Lycenchelys jordani</i> (Evermann & Goldsborough)	Shortjaw Eelpout	F-LYJO
<i>Lycenchelys micropora</i> Andriashev <sup>92</sup>	Pale Eelpout	F-LYMI
<i>Lycodapus endemoscotus</i> Peden & Anderson	Deepwater Eelpout <sup>93</sup>	F-LYEN
<i>Lycodapus fierasfer</i> Gilbert	Blackmouth Eelpout	F-LYFI
<i>Lycodapus mandibularis</i> Gilbert	Pallid Eelpout	F-LYMA
<i>Lycodapus pachysoma</i> Peden & Anderson	Stout Eelpout	F-LYPA
<i>Lycodapus parviceps</i> Gilbert	Smallhead Eelpout	F-LYPR
<i>Lycodes brevipes</i> Bean	Shortfin Eelpout	F-LYBR
<i>Lycodes cortezianus</i> (Gilbert)	Bigfin Eelpout	F-LYCO
<i>Lycodes diapterus</i> Gilbert	Black Eelpout	F-LYDI
<i>Lycodopsis pacificus</i> Collett	Blackbelly Eelpout	F-LYPC
<i>Lycodes palearis</i> Gilbert	Wattled Eelpout	F-LYPL
<i>Melanostigma pammelas</i> Gilbert	Pacific Softpout	F-MEPA
<i>Pachycara bulbiceps</i> (Garman)	Abyssal Eelpout	F-PABU
<i>Pachycara gymninium</i> Anderson & Peden	Nakedneck Eelpout	F-PAGY
<i>Pachycara lepinium</i> Anderson & Peden	Scalyneck Eelpout	F-PALE
<i>Taranetzella lyoderma</i> Andriashev	Ghostly Eelpout	F-TALY
<b>FAMILY STICHAEIDAE: Pricklebacks</b>		
<i>Allolumpenus hypochromus</i> Hubbs & Schultz	Y-Prickleback	F-ALHY
<i>Anoplarchus insignis</i> Gilbert and Burke	Slender Cockscomb	F-ANIS
<i>Anoplarchus purpureus</i> Gill	High Cockscomb	F-ANPU
<i>Bryzoichthys marjorius</i> McPhail	Pearly Prickleback	F-BRMR
<i>Chirolophis decoratus</i> (Jordan & Snyder)	Decorated Warbonnet	F-CHDE
<i>Chirolophis nugator</i> (Jordan & Williams)	Mosshead Warbonnet	F-CHNU
<i>Chirolophis tarsodes</i> (Jordan & Snyder)	Matcheck Warbonnet	F-CHTA

<sup>88</sup> English name changed (Robbins *et al.* 1991).

<sup>89</sup> Anderson (1994) synonymized *B. molle* with *B. remigerum*.

<sup>90</sup> Many unrecorded specimens catalogued at Royal B.C. Museum.

<sup>91</sup> Change of English name (Mecklenburg *et al.* 2002).

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

<sup>93</sup> 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.



<i>Lumpenella longirostris</i> (Evermann & Goldsborough)	Longsnout Prickleback	F-LULO
<i>Lumpenus maculatus</i> (Fries) <sup>94</sup>	Daubed Shanny <sup>95</sup>	F-LUMA
<i>Lumpenus sagitta</i> Wilimovsky	Snake Prickleback <sup>96</sup>	F-LUSA
<i>Phytichthys chirus</i> (Jordan and Gilbert)	Ribbon Prickleback	F-PHCH
<i>Plectobranchus evides</i> Gilbert	Bluebarred Prickleback	F-PLEV
<i>Poroclinus rothrocki</i> Bean	Whitebarred Prickleback	F-PORO
<i>Stichaeus punctatus</i> (Fabricius)	Arctic Shanny	F-STPU
<i>Xiphister atropurpureus</i> (Kittlitz)	Black Prickleback	F-XIAT
<i>Xiphister mucosus</i> (Girard)	Rock Prickleback	F-XIMU

**FAMILY CRYPTACANTHODIDAE:** Wrymouths

<i>Cryptacanthodes aleutensis</i> (Gilbert) <sup>97</sup>	Dwarf Wrymouth	F-CRAL
<i>Cryptacanthodes giganteus</i> (Kittlitz) <sup>99</sup>	Giant Wrymouth	F-CRGI

**FAMILY PHOLIDAE:** Gunnels

<i>Apodichthys flavidus</i> Girard	Penpoint Gunnel	F-APFL
<i>Apodichthys fucorum</i> Jordan & Gilbert <sup>98</sup>	Rockweed Gunnel	F-APFU
<i>Pholis clemensi</i> Rosenblatt <sup>99</sup>	Longfin Gunnel	F-PHCL
<i>Pholis laeta</i> (Cope) <sup>99</sup>	Crescent Gunnel	F-PHLA
<i>Pholis ornata</i> (Girard) <sup>99</sup>	Saddleback Gunnel	F-PHOR
<i>Pholis schultzi</i> Hubbs <sup>100</sup>	Red Gunnel	F-PHSC

**FAMILY ANARRHICHADIDAE:** Wolffishes

<i>Anarrhichthys ocellatus</i> Ayres	Wolf-eel	F-ANOC
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**FAMILY PTILICHTHYIDAE:** Quillfishes

<i>Ptilichthys goodei</i> Bean	Quillfish	F-PTGO
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**FAMILY SCYTALINIDAE:** Graveldivers

<i>Scytalina cerdale</i> Jordan & Gilbert	Graveldiver	F-SCCE
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**FAMILY ZAPRORIDAE:** Prowfishes

<i>Zaprora silenus</i> Jordan	Prowfish	F-ZASI
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**ORDER GOBIESOCIFORMES:** Gobiesociform Fishes**FAMILY GOBIESOCIDAE:** Clingfishes

<i>Gobiesox maeandricus</i> (Girard)	Northern Clingfish	F-GOMA
<i>Rimicola muscarum</i> (Meek & Pierson)	Kelp Clingfish	F-RIMU

<sup>94</sup> Though Mecklenburg *et al.* (2002) reverts back to usage of *Leptoclinus*, *Lumpenus* is retained here.

<sup>95</sup> Name changed to conform to Robbins *et al.* (1991).

<sup>96</sup> Change of English name (Mecklenburg *et al.* 2002 and Robbins *et al.* 1991).

<sup>97</sup> Mecklenburg *et al.* (2002) and Robbins *et al.* (1991) placed *Delolepis* and *Lyconectes* into *Cryptacanthodes*.

<sup>98</sup> See Yatsu (1981) for change from *Xererpes* to *Apodichthys* (note removal of parentheses for authors).

<sup>99</sup> Yatsu (1981) places *P. clemensi*, *P. laeta* and *P. ornata* in *Allopholis*.

<sup>100</sup> Robbins *et al.* (1991) cite *Pholis shultzi* "Schultz" rather than "Hubbs in Schultz" as reported in earlier literature.

<b>FAMILY SPHYRAENIDAE:</b> Barracudas		
<i>Sphyræna argentea</i> Girard	Pacific Barracuda	F-SPAR
<b>FAMILY TRICHODONTIDAE:</b> Sandfishes		
<i>Trichodon trichodon</i> (Tilesius)	Pacific Sandfish	F-TRTR
<b>FAMILY CLINIDAE:</b> Clinids		
<i>Gibbonsia metzi</i> Hubbs	Striped Kelpfish	F-GIME
<i>Gibbonsia montereyensis</i> Hubbs	Crevice Kelpfish	F-GIMO
? <i>Heterostichus rostratus</i> Girard <sup>101</sup>	Giant Kelpfish	F-HERO
<b>FAMILY AMMODYTIDAE:</b> Sand Lances		
<i>Ammodytes hexapterus</i> Pallas	Pacific Sand Lance	F-AMHE
<b>FAMILY GOBIIDAE:</b> Gobies		
<i>Clevelandia ios</i> (Jordan & Gilbert)	Arrow Goby	F-CLIO
<i>Coryphopterus nicholsi</i> (Bean)	Blackeye Goby	F-CONI
<i>Lepidogobius lepidus</i> (Girard)	Bay Goby	F-LELE
<b>FAMILY TRICHIURIDAE:</b> Hairtails		
<i>Aphanopus carbo</i> Lowe	Black Scabbardfish	F-APCA
<i>Benthodesmus elongatus</i> (Clarke)	Frostfish <sup>102</sup>	F-BEEL
<i>Benthodesmus tenuis</i> (Gunther)	Javelinfish	F-BETE
<b>FAMILY SCOMBRIDAE:</b> Mackerels		
<i>Katsuwonus pelamis</i> (Linnaeus) <sup>103</sup>	Skipjack Tuna	F-KAPE
<i>Sarda chiliensis</i> (Cuvier)	Pacific Bonito	F-SACH
<i>Scomber japonicus</i> Houttuyn	Chub Mackerel	F-SCJA
<i>Thunnus alalunga</i> (Bonnaterre)	Albacore	F-THAL
<i>Thunnus thynnus</i> (Linnaeus)	Bluefin Tuna	F-THTH
<b>FAMILY XIPHIIDAE:</b> Swordfishes		
<i>Xiphias gladius</i> Linnaeus	Swordfish	F-XIGL
<b>FAMILY STROMATEIDAE:</b> Butterfishes		
<i>Icichthys lockingtoni</i> Jordan & Gilbert <sup>104</sup>	Medusafish	F-ICLO
<i>Peprilus simillimus</i> (Ayres)	Pacific Pompano	F-PESI
<i>Tetragonurus cuvieri</i> Risso <sup>104</sup>	Smalleye Squaretail	F-TECU
<b>FAMILY ICOSTEIDAE:</b> Ragfishes		
<i>Icosteus aenigmaticus</i> Lockington	Ragfish	F-ICAE

<sup>101</sup> Old record of Halkett (1913) often repeated in literature, however, voucher specimens required.

<sup>102</sup> Change in English name from previous list (Resources Inventory Committee 2000).

<sup>103</sup> Change of generic name (Robbins *et al.* 1991).

<sup>104</sup> Placed into family Stromateidae by Robbins *et al.* (1991).

## ORDER PLEURONECTIFORMES: Flatfishes

## FAMILY BOTHIDAE: Lefteye Flounders

<i>Citharichthys sordidus</i> (Girard)	Pacific Sanddab	F-CISO
<i>Citharichthys stigmaeus</i> Jordan & Gilbert	Speckled Sanddab	F-CIST

FAMILY PLEURONECTIDAE: Righteye Flounders <sup>105</sup>

<i>Atheresthes stomias</i> (Jordan & Gilbert)	Arrowtooth Flounder	F-ATST
<i>Clidoderma asperrimum</i> (Temminck & Schlegel)	Roughscale Sole	F-CLAS
<i>Embassichthys bathybius</i> (Gilbert)	Deepsea Sole	F-EMBA
<i>Eopsetta exilis</i> (Jordan & Gilbert)	Slender Sole	F-EOEX
<i>Eopsetta jordani</i> (Lockington)	Petrale Sole	F-EOJO
<i>Errex zachirus</i> (Lockington)	Rex Sole	F-ERZA
<i>Hippoglossoides elassodon</i> Jordan & Gilbert	Flathead Sole	F-HIEL
<i>Hippoglossus stenolepis</i> Schmidt	Pacific Halibut	F-HIST
<i>Microstomus pacificus</i> (Lockington)	Dover Sole	F-MIPA
# <i>Platichthys stellatus</i> Pallas	Starry Flounder	F-PLST
<i>Limanda asper</i> Pallas	Yellowfin Sole	F-PLAS
<i>Lepidopsetta bilineatus</i> (Ayres) <sup>106</sup>	Southern Rock Sole	F-LEBI
<i>Lepidopsetta polyxystra</i> (Orr & Materese) <sup>107</sup>	Northern Rock Sole	F-LEPO
<i>Pleuronectes isolepis</i> (Lockington)	Butter Sole	F-PLIS
<i>Pleuronectes vetulus</i> (Girard)	English Sole	F-PLVE
<i>Pleuronichthys coenosus</i> Girard	C-O Sole	F-PLCO
<i>Pleuronichthys decurrens</i> Jordan & Gilbert	Curlfin Sole	F-PLDE
<i>Psettichthys melanostictus</i> Girard	Sand Sole	F-PSME
<i>Reinhardtius hippoglossoides</i> (Walbaum)	Greenland Halibut	F-REHI

## ORDER TETRAODONTIFORMES: Tetraodontiform Fishes

## FAMILY MOLIDAE: Molas

<i>Mola mola</i> (Linnaeus)	Ocean Sunfish	F-MOMO
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<sup>105</sup> Because it is a hybrid, *Inopsetta ischyra* Jordan and Gilbert, is not listed.

<sup>106</sup> Change of generic name (Mecklenburg *et al.* 2002).

<sup>107</sup> New species of flounder published by Orr and Matarese (2000).



### 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)<sup>108</sup>, 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.

<i>Raja inornata</i> Jordan & Gilbert <sup>109</sup>	California Skate	F-RAIN	Rajidae
@ <i>Dolichopteryx</i> sp. <sup>110</sup>	Spookfish		Opisthoproctidae
@ <i>Holtbyrnia innesi</i> (Fowler) <sup>111</sup>	Innes Tubeshoulder	F-HOIN	Platytroctidae
@ <i>Gonostoma gracile</i> Gunther	Slender Fangjaw	F-GOGR	Gonostomatidae
@ <i>Malacosteus danae</i> (Regan & Trewavas)	Shortnose Loosejaw	F-MADA	Stomiidae
@ <i>Benthabella linguidens</i> (Mead & Bohlke)	Longfin Pearleye	F-BELI	Scopelarchidae
@ <i>Lampanyctus jordani</i> Gilbert	Brokenline Lanternfish	F-LAJO	Myctophidae
@ <i>Gyrinomimus</i> sp.	Flabby Whalefish		Cetomimidae
<i>Artedius corallinus</i> (Hubbs) <sup>112</sup>	Coralline Sculpin	F-ARCO	Cottidae
<i>Artedius notospilotus</i> Girard <sup>113</sup>	Bonyhead Sculpin	F-ARNO	Cottidae
<i>Remora remora</i> (Linnaeus) <sup>114</sup>	Sharksucker	F-RERE	Echeneidae
<i>Amphistichus koelzi</i> (Hubbs) <sup>115</sup>	Calico Surfperch	F-AMKO	Embiotocidae
<i>Luvaris imperialis</i> Rafinesque <sup>116</sup>	Louvar	F-LUIM	Luvaridae
<i>Symphurus atricauda</i> (Jordan and Gilbert) <sup>117</sup>	California Tonguefish	F-SYAT	Cynogossidae

<sup>108</sup> Specimens from Ocean Station Papa (Peden *et al.* 1985) indicated by “@”.

<sup>109</sup> Known in Strait of Juan de Fuca (Eschmeyer *et al.* 1983, Gillespie 1993). Not yet recorded in British Columbia.

<sup>110</sup> Known from Ocean Station Papa, 50°N, 145°W (Hart 1973) and Gulf of Alaska (University of Washington specimens).

<sup>111</sup> Specimen from Ocean Station Papa identified as *H. macrops* by Peden *et al.* (1985). Peden later verified identification of McAllister (1990).

<sup>112</sup> Recorded from Orcas Island, Washington (Miller and Lea 1972, Eschmeyer *et al.* 1983).

<sup>113</sup> Recorded to Puget Sound, Washington (Miller and Lea 1972, Eschmeyer *et al.* 1983).

<sup>114</sup> Known just outside southwestern Canadian Fishery boundary (Hughes 1985).

<sup>115</sup> Though listed from Cape Flattery, Washington (Hart 1973), it is not documented in British Columbia.

<sup>116</sup> Taken within 30 miles of Canada's southwestern most Fishery boundary (Peden and Jamieson 1988).

<sup>117</sup> Attributed to El Nino occurrence to Puget Sound, Washington (Percy 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.

? <i>Conocara salmoneum</i> (Gill & Townsend) <sup>118</sup>	Salmon Slickhead	F-COSL	Alepocephalidae
<i>Dicroline filamentosa</i> Garman <sup>119</sup>	Threadfin Cusk-Eel	F-DIFI	Ophidiidae
<i>Zesticulus profundorum</i> (Gilbert) <sup>120</sup>	Flabby Sculpin	F-ZEPR	Cottidae
<i>Elassodiscus caudatus</i> (Gilbert)	Humpback Snailfish	F-ELCA	Cyclopteridae
? <i>Liparis tunicatus</i> Reinhardt <sup>121</sup>	Kelp Snailfish	F-LITU	Cyclopteridae
<i>Paraliparis ulochir</i> (Gilbert)	Broadfin Snailfish	F-PAUL	Cyclopteridae
<i>Rhinoliparis barbulifer</i> Gilbert	Longnose Snailfish	F-RHBA	Cyclopteridae
<i>Lycodapus dermatinus</i> Gilbert <sup>122</sup>	Looseskin Eelpout	F-LYDE	Zoarcidae
<i>Lycodapus psarostomatus</i> Peden & Anderson <sup>123</sup>	Specklemouth Eelpout	F-LYPS	Zoarcidae
<i>Balistes polylepis</i> Steindachner <sup>124</sup>	Finescale Triggerfish	F-BAPO	Balistidae

<sup>118</sup> Mecklenburg *et al.* (2002) uses name “*Conocara*” for *Ericara*, the generic name historically used (see Fitch and Lavenberg 1968).

<sup>119</sup> Noted off Cape Flattery, Washington, 48°19' N (Love 2000 WEBB page), close to Canadian border.

<sup>120</sup> See Stein (1978) and Eschmeyer *et al.* (1983).

<sup>121</sup> Likely an erroneous record off California (Love 2001 WEBB page), normally occurs between Bering Sea and Atlantic Ocean.

<sup>122</sup> Known off Washington State and Welker Seamount in Alaska (Peden and Anderson 1981). The species can be anticipated to occur off British Columbia.

<sup>123</sup> Described by Peden and Anderson (1981). Anderson (1989) later recorded the species from California.

<sup>124</sup> Known in Southeast Alaska (Mecklenberg *et al.* 2002) and Washington (Percy and Schoener 1987) during El Nino.