

WASHINGTON SEA GRANT PROGRAM

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CHECKLIST OF PUGET SOUND FISHES

by Allan C. DeLacy, Bruce S. Miller,
and Steven F. Borton

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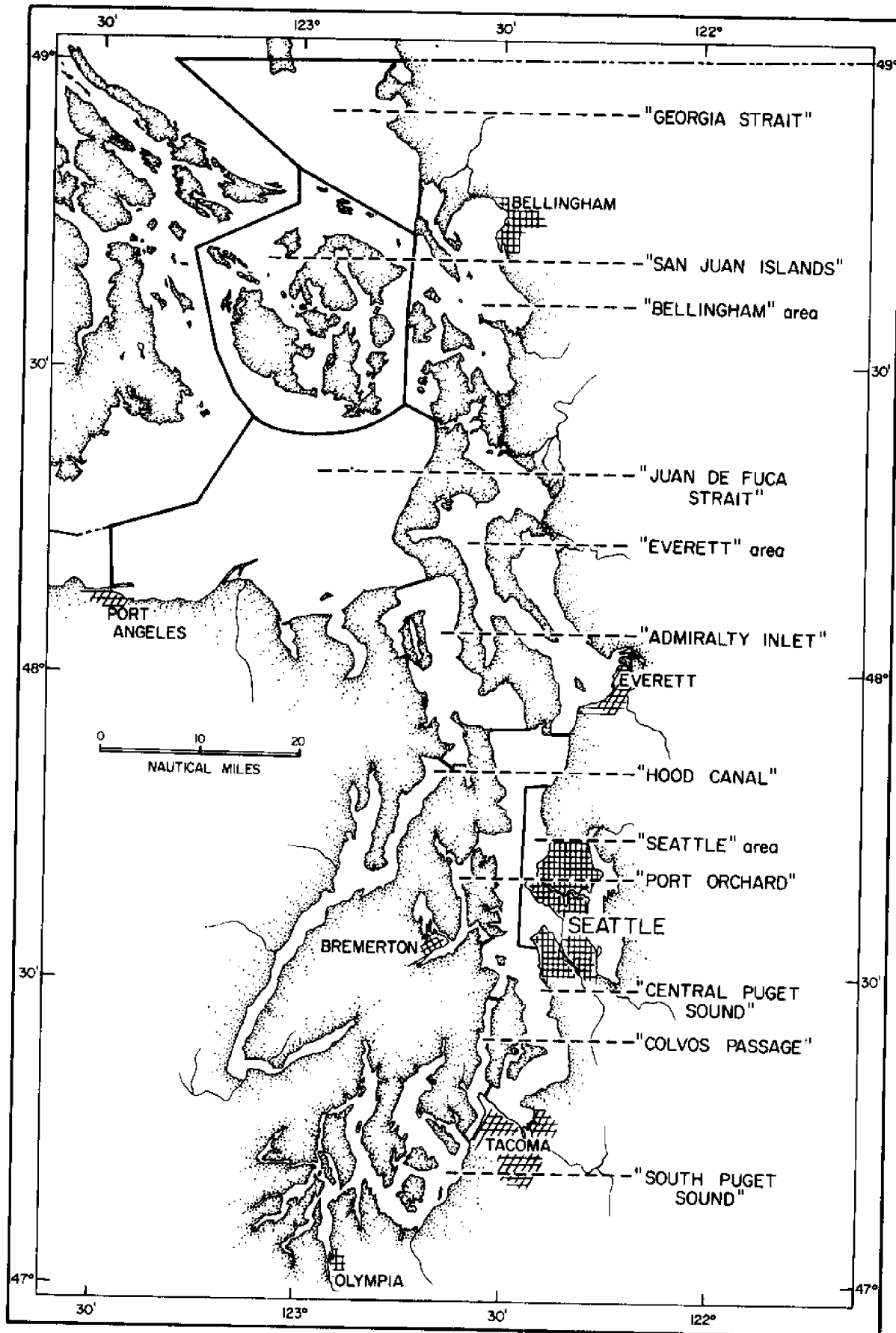


Figure 1. The 12 sampling areas used to group reports of fish occurrence in Puget Sound.

CHECKLIST
of
PUGET SOUND FISHES*

The accompanying list of fishes constitutes a compilation of data on Puget Sound fish species distribution up to 1971. It is compiled from the literature; from unpublished catalogued entries in the University of Washington collection of fishes; and from unpublished log records from the University of Washington College of Fisheries, University of Washington Department of Oceanography, University of Washington Friday Harbor Laboratories, Washington State Department of Fisheries, National Marine Fisheries Service, Municipality of Metropolitan Seattle, and other less extensive sources. We have tried to avoid any duplication of reports and have made the general nature of this list conservative, since we have attempted to avoid any reports of questionable validity. A total of 211 species of fish have been recorded in this checklist.

In this list the symbol + means that a species has been reported from one to nine times in the indicated area, the symbol ⊕ indicates 10 to 49 reports, and the symbol ● means that 50 or more occurrences have been reported. A blank space means that we have no record of occurrence in the particular area.

In the use of names, we have followed the standard set by the American Fisheries Society (1970); but in those cases where the American Fisheries Society does not list a name, we have used as our reference, Clemens and Wilby (1961). An alphabetical listing of the families with their page locations is on page 3, and an index to common names begins on page 40. We have also included a bibliography (page 21) with this checklist, since published records are often of special interest.

The Puget Sound region (Figure 1), for faunistic purposes, is defined as an area limited on the west by a line drawn northward along longitude 123°28' from Ediz Hook, near Port Angeles, Washington, to the U.S.-Canada international boundary line, and to the northwest and north by the U.S.-Canada international boundary line. The further division of the Puget Sound region into 12 areas is based in part on oceanographic conditions but also reflects an arbitrary and expedient definition of areas, with some attention to the intensity of the collecting efforts.

*Contribution No. 371, College of Fisheries, University of Washington.

A wide assortment of gear has been employed in the collection of fish included in this list (beach seines, bottom trawls, gillnets, purse seines, traps, spearfishing, hook-and-line, poisoning, etc.). It has not been possible to present meaningfully the relative sampling effort in the various areas. Lower Georgia Strait, the inner Strait of Juan de Fuca, Admiralty Inlet, and Colvos Passage have been sampled less intensively than other areas. We recognize that for certain species (e.g. the cutthroat trout, Salmo clarki) the frequency of reports probably underestimates the true frequency of that species in certain areas, but for other species (e.g. the blackfin sculpin, Malacocottus kincaidi) we feel the frequency of reports is of particular value and have therefore added this roughly quantitative aspect to our list. The authors would like to emphasize that they welcome any additional information that readers may be prepared to provide. Periodic updating of this list is contemplated.

This list is based on notebooks at the University of Washington College of Fisheries containing maps and data source sheets for each species of Puget Sound fish. In the notebooks there is a map showing the distribution of reports for each species. There is also a data source sheet for each species giving the exact source of each report (e.g. museum catalog number, published record, log book date, etc.). The source may be consulted for detailed information on a particular species (e.g. exact location of capture, date of capture, depth of capture, type of gear used, etc.). The notebooks are available at the College of Fisheries for perusal by people having a need for such data.

SYNOPSIS OF FAMILIES

Page	Family	Page	Family
6	Acipenseridae (sturgeons)	8	Myctophidae (lanternfishes)
17	Agonidae (poachers)	6	Nemichthyidae (snipe eels)
8	Alepisauridae (lancetfishes)	8	Ophidiidae (brotulas)
5	Alopiidae (thresher sharks)	7	Osmeridae (smelts)
12	Ammodytidae (sand lances)	7	Paralepidae (barracudinas)
12	Anarhichadidae (wolffishes)	9	Percichthyidae (temperate basses)
15	Anoplopomatidae (sablefishes)	4	Petromyzontidae (lampreys)
10	Bathymasteridae (ronquils)	11	Pholidae (gunnels)
8	Batrachoididae (toadfishes)	19	Pleuronectidae (righteye flounders)
19	Bothidae (lefteye flounders)	12	Ptilichthyidae (quillfishes)
10	Bramidae (pomfrets)	6	Rajidae (skates)
5	Carcharhinidae (requiem sharks)	7	Salmonidae (salmons and trouts)
6	Chimaeridae (chimaeras)	10	Sciaenidae (drums)
6	Clupeidae (herrings)	9	Scomberesocidae (sauries)
15	Cottidae (sculpins)	13	Scombridae (mackerels and tunas)
12	Cryptacanthodidae (wrymouths)	13	Scorpaenidae (rockfishes)
18	Cyclopteridae (lumpfishes and snailfishes)	5	Scylliorhinidae (cat sharks)
9	Cyprinodontidae (killifishes)	12	Scytalinidae (graveldivers)
10	Embiotocidae (surfperches)	10	Sphyraenidae (barracudas)
7	Engraulidae (anchovies)	5	Squalidae (dogfish sharks)
8	Gadidae (codfishes)	5	Squatinidae (angel sharks)
9	Gasterosteidae (sticklebacks)	11	Stichaeidae (pricklebacks)
8	Gobiesocidae (clingfishes)	13	Stromateidae (butterfishes)
12	Gobiidae (gobies)	9	Syngnathidae (pipefishes)
15	Hexagrammidae (greenlings)	6	Torpedinidae (electric rays)
5	Hexanchidae (cow sharks)	9	Trachipteridae (ribbonfishes)
13	Icosteidae (ragfishes)	13	Trichiuridae (cutlassfishes)
5	Lamnidae (mackerel sharks)	10	Trichodontidae (sandfishes)
20	Molidae (molas)	9	Zoarcidae (eelpouts)

CHECKLIST OF PUGET SOUND FISHES

Compiled from the literature and from unpublished records provided by

College of Fisheries
 Department of Oceanography
 Friday Harbor Laboratories
 Washington State Department of Fisheries
 National Marine Fisheries Service
 Municipality of Metropolitan Seattle
 and other sources

Legend

+ = fewer than 10 reports

⊕ = 10 to 49

● = 50 or more

Scientific Name	Common Name	Georgia Strait	Juan de Fuca Strait	San Juan Islands	Bellingham	Everett	Admiralty Inlet	Hood Canal	Central Puget Sound	Port Orchard	Seattle	Colvos Passage	South Puget Sound
FAMILY PETROMYZONTIDAE	Lampreys												
<i>Entosphenus tridentatus</i>	Pacific lamprey				+	+							
<i>Lampetra ayresi</i>	river lamprey			+	+	+			+		+		⊕

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FAMILY HEXANCHIDAE	Cow Sharks												
<i>Hexanchus griseus</i>	sixgill shark		+	+	+	+			+		+		+
<i>Notorynchus maculatus</i>	sevengill shark												+
FAMILY ALOPIIDAE	Thresher Sharks												
<i>Alopias vulpinus</i>	thresher shark		+										
FAMILY LAMNIDAE	Mackerel Sharks										+		
<i>Cetorhinus maximus</i>	basking shark								+		+		
<i>Lamna ditropis</i>	salmon shark		+										
FAMILY SCYLIORHINIDAE	Cat Sharks										⊕		
<i>Apristurus brunneus</i>	brown cat shark					●		+	⊕				
FAMILY CARCHARHINIDAE	Requiem Sharks												
* <i>Prionace glauca</i>	blue shark												
FAMILY SQUALIDAE	Dogfish Sharks										+		
<i>Somniosus pacificus</i>	Pacific sleeper shark			+									
<i>Squalus acanthias</i>	spiny dogfish	●	●	●	●	●	●	●	●	●	●	●	●
FAMILY SQUATINIDAE	Angel Sharks												
<i>Squatina californica</i>	Pacific angel shark										+		

* Record of being in "Puget Sound"; no specific location given.

9 Legend

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Scientific Name	Common Name	Georgia Strait	Juan de Fuca Strait	San Juan Islands	Bellingham	Everett	Admiralty Inlet	Hood Canal	Central Puget Sound	Port Orchard	Seattle	Colvos Passage	South Puget Sound
<u>FAMILY TORPEDINIDAE</u>	<u>Electric Rays</u>												
<i>Torpedo californica</i>	Pacific electric ray												
<u>FAMILY RAJIDAE</u>	<u>Skates</u>												
<i>Raja binoculata</i>	big skate	⊕		⊕	⊕	⊕	⊕	⊕	+	⊕	+	+	⊕
<i>Raja inornata</i>	California skate			+									
<i>Raja kincaidii</i>	black skate		+	+	+								
<i>Raja rhina</i>	longnose skate	⊕	+	⊕	⊕	●	+	⊕	⊕	⊕	⊕	⊕	⊕
<i>Raja stellulata</i>	starry skate			+									
<u>FAMILY CHIMAERIDAE</u>	<u>Chimaeras</u>												
<i>Hydrolagus colliei</i>	ratfish	●	●	●	●	●	⊕	●	●	⊕	●	⊕	●
<u>FAMILY ACIPENSERIDAE</u>	<u>Sturgeons</u>												
<i>Acipenser medirostris</i>	green sturgeon		+										
<i>Acipenser transmontanus</i>	white sturgeon		+										
<u>FAMILY NEMICHTHYIDAE</u>	<u>Snipe Eels</u>												
<i>Nemichthys avocetta</i>	threadfish			+			+						
<u>FAMILY CLUPEIDAE</u>	<u>Herrings</u>												
<i>Alosa sapidissima</i>	American shad		⊕	+	⊕	●	+	+	+	⊕	⊕	+	+
<i>Clupea harengus pallasii</i>	Pacific herring	●	●	●	●	●	●	●	●	●	●	●	●
<i>Sardinops sagax</i>	Pacific sardine	+		+		+		+		+			

-Not listed by American Fisheries Society.

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Scientific Name	Common Name	Georgia Strait	Juan de Fuca Strait	San Juan Islands	Bellingham	Everett	Admiralty Inlet	Hood Canal	Central Puget Sound	Port Orchard	Seattle	Colvos Passage	South Puget Sound
FAMILY ENGRAULIDAE													
<i>Engraulis mordax</i>	Anchovies			⊕	⊕	⊕	+	+	+	⊕	+		⊕
FAMILY SALMONIDAE													
<i>Oncorhynchus gorbusha</i>	northern anchovy												
<i>Oncorhynchus gorbuscha</i>	Salmons and Trouts												
<i>Oncorhynchus keta</i>	pink salmon	●	●	●	●	●	●	●	●	●	●	●	●
<i>Oncorhynchus kisutch</i>	chum salmon	●	●	●	●	●	●	●	●	●	●	●	●
<i>Oncorhynchus nerka</i>	coho salmon	●	●	●	●	●	●	●	●	●	●	●	●
<i>Oncorhynchus tshawytscha</i>	sockeye salmon	●	●	●	●	●	●	●	●	●	●	●	●
<i>Salmo clarki</i>	chinook salmon		⊕	+	⊕	●	+	●	+	⊕	⊕	●	●
<i>Salmo gairdneri</i>	cutthroat trout		+		⊕	⊕	●	+	+		+		+
<i>Salvelinus malma</i>	rainbow trout		⊕		+	●		⊕	+		⊕		
FAMILY OSMERIDAE													
<i>Allosmerus elongatus</i>	Dolly Varden												
<i>Hypomesus pretiosus</i>	Smelts												
<i>Mallotus villosus</i>	whitebait smelt		+	+	●	●	●	●	⊕	●	●	●	●
<i>Spirinchus thaleichthys</i>	surf smelt		⊕	⊕									
<i>Thaleichthys pacificus</i>	capelin		⊕	⊕	⊕	●			⊕		⊕		+
<i>-Notolepis cornucans</i>	longfin smelt		+	⊕	⊕				+		+		+
	eulachon		+	⊕		+							
	Barracudinas												
	ribbon barracudina						+						+

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FAMILY ALEPISAUROIDAE	Lancetfishes												
<i>Alepisaurus ferox</i>	longnose lancetfish			+			+		+				
FAMILY MYCTOPHIDAE	Lanternfishes												
<i>Diaphus theta</i>	California headlightfish			+				+	+			+	
<i>Stenobrachius leucopsarus</i>	northern lampfish								+			+	
<i>Tarletonbeania crenularis</i>	blue lanternfish			+					+			+	
FAMILY BATRACHOIDIDAE	Toadfishes												
<i>Porichthys notatus</i>	plainfin midshipman	+	+	●	⊕	●	+	●	●	●	●	+	●
FAMILY GOBIESOCIDAE	Clingfishes												
<i>Gobiosox maeandricus</i>	northern clingfish	+	+	⊕			+			⊕	+		
FAMILY GADIDAE	Codfishes												
<i>Gadus macrocephalus</i>	Pacific cod	●	●	●	●	●	●	●	●	●	●	●	●
<i>Merluccius productus</i>	Pacific hake	⊕	⊕	+	+	●	+	●	●	●	●	●	●
<i>Microgadus proximus</i>	Pacific tomcod	⊕	+	●	●	●	⊕	⊕	●	●	●	⊕	●
<i>Theragra chalcogramma</i>	walleye pollock	⊕	●	⊕	⊕	●	⊕	⊕	●	●	●	+	●
FAMILY OPHIDIIDAE	Brotulas												
<i>Brosomphycis marginata</i>	red brotula					⊕		+	⊕	+	+	+	⊕

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FAMILY ZOARCIDAE													
<i>Lycodapus mandibularis</i>	Eelpouts					●	⊕	+	⊕		⊕		
<i>Lycodes brevipes</i>	pallid eelpout	+		⊕	⊕	⊕	+	+	+	+	+		+
<i>Lycodes diapterus</i>	shortfin eelpout				+	⊕		+	⊕	+	⊕		+
<i>Lycodes palearis</i>	black eelpout	+		+	+	⊕		+	⊕		+		+
<i>Lycodopsis pacifica</i>	wattled eelpout	+	+	⊕	⊕	●	+	⊕	●	●	●	+	●
<i>Lycodopsis pacifica</i>	blackbelly eelpout	+	+	⊕	⊕	●	+	⊕	●	●	●	+	●
FAMILY SCOMBERESOCIDAE													
<i>Cololabis saira</i>	Sauries		+			+							
<i>Cololabis saira</i>	Pacific saury												
FAMILY CYPRINODONTIDAE													
<i>Cyprinodon variegatus</i>	Killifishes		+										
<i>Cyprinodon variegatus</i>	sheepshead minnow												
FAMILY TRACHTERIDAE													
<i>Trachipterus altivelis</i>	Ribbonfishes		+										
<i>Trachipterus altivelis</i>	king-of-the-salmon			+									
FAMILY GASTEROSTEIDAE													
<i>Aulorhynchus flavidus</i>	Sticklebacks		+	⊕	⊕	⊕	+	+	⊕	⊕	●	+	●
<i>Aulorhynchus flavidus</i>	tube-snout		+	⊕	●	⊕	+	+	⊕	⊕	⊕		+
<i>Gasterosteus aculeatus</i>	threespine stickleback												
FAMILY SYNGNATHIDAE													
<i>Syngnathus griseolineatus</i>	Pipefishes		+	⊕	⊕	⊕	+	+	⊕	⊕	●	+	⊕
<i>Syngnathus griseolineatus</i>	bay pipefish												
FAMILY PERCICHTHYIDAE													
<i>Morone saxatilis</i>	Temperate Basses												
<i>Morone saxatilis</i>	striped bass					+							

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<u>FAMILY BRAMIDAE</u>	Pomfrets												
<i>Brama japonica</i>	Pacific pomfret					+	+						
<u>FAMILY SCIAENIDAE</u>	Drums												
<i>Cynoscion nobilis</i>	white seabass					+							
<u>FAMILY EMBIOTOCIDAE</u>	Surfperches												
<i>Brachyistius frenatus</i>	kelp perch												
<i>Cymatogaster aggregata</i>	shiner perch	+	⊕	●	●	●	⊕	●	●	●	●	⊕	●
<i>Embiotoca lateralis</i>	striped seaperch		+	⊕	⊕	⊕	+	+	●	●	●	●	●
<i>Hyperprosopon ellipticum</i>	silver surfperch		+										
<i>Phanerodon furcatus</i>	white seaperch		+	+	+					+	+		
<i>Rhacochilus vacca</i>	pile perch	+	+	⊕	⊕	●	+	●	●	●	●	●	●
<u>FAMILY SPHYRAENIDAE</u>	Barracudas												
<i>Sphyræna argentea</i>	Pacific barracuda	+							+		+	+	
<u>FAMILY TRICHODONTIDAE</u>	Sandfishes												
<i>Trichodon trichodon</i>	Pacific sandfish		⊕		+								
<u>FAMILY BATHYMASTERIDAE</u>	Rongquils												
<i>Ronquilus jordani</i>	northern rongquil	+	⊕	⊕	+	⊕	+	+	⊕	⊕	●	⊕	●

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FAMILY STICHAETIDAE													
<i>Anoplarchus insignis</i>	Pricklebacks												
<i>Anoplarchus purpurascens</i>	slender cockscomb												
<i>Chirolophus nugator</i>	high cockscomb												
<i>Chirolophus polyacteocephalus</i>	mosshead warbonnet												
<i>Lumpenus maculatus</i>	decorated warbonnet												
<i>Lumpenus sagitta</i>	daubed shanny												
<i>Phytichthys chirus</i>	snake prickleback												
<i>Plectobranchius evides</i>	ribbon prickleback												
<i>Poroclinus rothrocki</i>	bluebarred prickleback												
<i>Xiphister atropurpureus</i>	whitebarred prickleback												
<i>Xiphister mucosus</i>	black prickleback												
FAMILY PHOLIDAE													
<i>Apodichthys flavidus</i>	rock prickleback												
<i>Pholis clemensi</i>	Gunnel												
<i>Pholis laeta</i>	penpoint gunnel												
<i>Pholis ornata</i>	longfin gunnel												
<i>Pholis schultzi</i>	crescent gunnel												
	saddleback gunnel												
	red gunnel												

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<u>FAMILY PHOLIDAE--Continued</u>	<u>Gunnels-- Continued</u>												
<u><i>Xerorpes fucorum</i></u>	rockweed gunnel					+					+		
<u>FAMILY ANARHICHADIDAE</u>	Wolfishes												
<u><i>Anarrhichthys ocellatus</i></u>	wolf-eel					+	+	+	+		+	+	
<u>FAMILY PTILICHTHYIDAE</u>	Quillfishes												
<u><i>Ptilichthys goodei</i></u>	quillfish			⊕							+		
<u>FAMILY CRYPTACANTHODIDAE</u>	Wrymouths												
<u><i>Delolepis gigantea</i></u>	giant wrymouth		+	+	+	+				+	+		
<u><i>Lyconectes aleutensis</i></u>	dwarf wrymouth			⊕				+	+				
<u>FAMILY SCYTALINIDAE</u>	Graveldivers												
<u><i>Scytalina cerdale</i></u>	graveldiver			+									
<u>FAMILY AMODYTIDAE</u>	Sand Lances												
<u><i>Ammodytes hexapterus</i></u>	Pacific sand lance		+	●	●	⊕	⊕		⊕	+	●		+
<u>FAMILY GOBIIDAE</u>	Gobies												
<u><i>Clelandia ios</i></u>	arrow goby			⊕	⊕	+	+	+	+		+		+
<u><i>Coryphopterus nicholsi</i></u>	blackeye goby			⊕	+				+	+	⊕		+
<u><i>Lepidogobius lepidus</i></u>	bay goby			⊕	⊕	●	+	+	⊕	●	+		●

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<u>FAMILY TRICHIURIDAE</u>	Cutlassfishes												
<i>Benthodesmus simonyi</i>	frostfish						+						
<u>FAMILY SCOMBRIDAE</u>	Mackerels and Tunas								+		+		
<i>Sarda chiliensis</i>	Pacific bonito												
<i>Scomber japonicus</i>	chub mackerel					+							
<u>FAMILY STROMATEIDAE</u>	Butterfishes										+		
<i>Peprilus simillimus</i>	Pacific pompano			+		+	+	+		⊕			
<u>FAMILY ICOSTEIDAE</u>	Ragfishes												
<i>Icosteus aenigmaticus</i>	ragfish			+			+					+	+
<u>FAMILY SCORPAENIDAE</u>	Rockfishes												
<i>Sebastes aleutianus</i>	rougheye rockfish			+		+							
<i>Sebastes alutus</i>	Pacific ocean perch										+		+
<i>Sebastes auriculatus</i>	brown rockfish												
<i>Sebastes babcocki</i>	redbanded rockfish			+				+					
<i>Sebastes caurinus</i>	copper rockfish												
<i>Sebastes crameri</i>	darkblotched rockfish												
<i>Sebastes diploproa</i>	splitnose rockfish												
<i>Sebastes elongatus</i>	greenstriped rockfish												

-Not listed by American Fisheries Society.

41 Legend

- + = fewer than 10 reports
- ⊕ = 10 to 49
- = 50 or more

Scientific Name	Common Name	Georgia Strait	Juan de Fuca Strait	San Juan Islands	Bellingham	Everett	Admiralty Inlet	Hood Canal	Central Puget Sound	Port Orchard	Seattle	Colvos Passage	South Puget Sound
FAMILY SCORPAENIDAE--Continued	Rockfishes --Continued												
<i>Sebastes emphaeus</i>	Puget Sound rockfish			+	+						+		
<i>Sebastes flavidus</i>	yellowtail rockfish			+				+			+	●	+
<i>Sebastes maliger</i>	quillback rockfish			●	⊕	●		⊕	⊕	+	⊕	+	⊕
<i>Sebastes melanops</i>	black rockfish			⊕	⊕	⊕	+	⊕	⊕	+	⊕	●	
<i>Sebastes miniatus</i>	vermillion rockfish			+									
* <i>Sebastes mystinus</i>	blue rockfish												
<i>Sebastes nebulosus</i>	China rockfish			+									
<i>Sebastes nigrocinctus</i>	tiger rockfish			+					+				
<i>Sebastes paucispinis</i>	bocaccio								+	+	+	●	
<i>Sebastes pinniger</i>	canary rockfish				+	+	+	+	+	+	+	●	+
<i>Sebastes proriger</i>	redstripe rockfish			⊕	+	+		⊕			+	●	
<i>Sebastes rosaceus</i>	rosy rockfish			+	+	+		⊕	+		+		
<i>Sebastes ruberrimus</i>	yelloweye rockfish						+						
<i>Sebastes saricola</i>	stripetail rockfish	+	+	●	⊕	+		⊕		+	+		+
<i>Sebastes zacentrus</i>	sharpchin rockfish					+		+			+		+
<i>Sebastes rosenblatti</i>	shortspine thornyhead			+					+				

*Record of being in "Puget Sound"; no specific location given.

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Scientific Name	Common Name	Georgia Strait	Juan de Fuca Strait	San Juan Islands	Bellingham	Everett	Admiralty Inlet	Hood Canal	Central Puget Sound	Port Orchard	Seattle	Colvos Passage	South Puget Sound
FAMILY ANOPILOPOMATIDAE													
<i>Anoplopoma fimbria</i>	Sablefishes	●		⊕	⊕	●	⊕	⊕	●	⊕	⊕	+	+
FAMILY HEXAGRAMMIDAE													
<i>Hexagrammos decagrammus</i>	Greenlings			⊕	⊕	⊕	+		⊕	+	⊕		
<i>Hexagrammos lagocephalus</i>	kelp greenling			+	+	+	+		+	+	+		
<i>Hexagrammos stelleri</i>	rock greenling	⊕	⊕	⊕	⊕	⊕	+	+	⊕	●	⊕	+	⊕
<i>Ophiodon elongatus</i>	whitespotted greenling	●	●	●	●	●	⊕	●	●	⊕	⊕	●	+
<i>Oxylebius pictus</i>	lingcod			+		+		+	+	+	●	+	+
<i>Zaniolepis latipinnis</i>	painted greenling		+			⊕		+	+	●	+		●
FAMILY COTTIDAE													
<i>Artedius fenestratus</i>	longspine combfish												
<i>Artedius harringtoni</i>	Sculpins	+	+	⊕		⊕	+	+	⊕	⊕	●	+	●
<i>Artedius lateralis</i>	padded sculpin		+	⊕			+	+	+	+	⊕	+	+
<i>Artedius neanyi</i>	scalyhead sculpin		+	⊕			+	+	+	+	●	+	⊕
<i>Artedius notospilotus</i>	smoothhead sculpin					+			+				
<i>Ascelichthys rhodorus</i>	Puget Sound sculpin						+						
<i>Blepsias cirrhosus</i>	bonehead sculpin		+	⊕		+	+		+		+	+	
<i>Chitonotus pugetensis</i>	rosylip sculpin		+	⊕	+		+		+	+	⊕	+	
<i>Clinocottus acuticeps</i>	silverspotted sculpin		+	⊕	+		+		+	+	⊕	+	
	roughback sculpin			⊕	+	●	+	⊕	●	●	⊕	⊕	+
	sharpnose sculpin			⊕	+	+	+	+	+		⊕		+

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FAMILY COTTIDAE--Continued													
<i>Clinocottus embryum</i>	Sculpins--Continued												
<i>Clinocottus globiceps</i>	calico sculpin		⊕										
<i>Dasycottus setiger</i>	mosshead sculpin												
<i>Enophrus bison</i>	spinyhead sculpin		+	⊕	⊕	●	+	+	+	+	+	+	+
<i>Gilbertidia sigalutes</i>	buffalo sculpin	+	⊕	●	⊕	⊕	+	+	⊕	+	⊕	⊕	⊕
<i>Hemilepidotus hemilepidotus</i>	soft sculpin			⊕	⊕	+		+	+	+	+	+	+
<i>Hemilepidotus spinosus</i>	red Irish lord	+	+	⊕	⊕	+	+		+		⊕	+	+
<i>Icelinus borealis</i>	brown Irish lord												
<i>Icelinus burchami</i>	northern sculpin		+	⊕	+	+	+	+	+	⊕	⊕		+
<i>Icelinus filamentosus</i>	dusky sculpin							+					
<i>Icelinus tenuis</i>	threadfin sculpin					+		⊕	+		⊕		
<i>Jordania zonope</i>	spotfin sculpin					⊕		+	+	+	●	+	+
<i>Leptocottus armatus</i>	longfin sculpin		⊕						+				
<i>Malacocottus kincaidi</i>	Pacific staghorn sculpin	+	⊕	●	⊕	●	⊕	⊕	●	●	●	+	●
<i>Myoxocephalus polyacanthocephalus</i>	blackfin sculpin			+		+	+	⊕					+
<i>Nautichthys oculoferiatus</i>	great sculpin	+	+	⊕	⊕	⊕	+	+	●		⊕		+
	sailfin sculpin		+	⊕	⊕	⊕	+	⊕	⊕	⊕	●	+	●

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FAMILY COTTIDAE--Continued													
<i>Oligocottus maculosus</i>	Sculpins --Continued												
<i>Oligocottus rimensis</i>	tidepool sculpin	+	+	⊕	+	+	+	+	+	⊕	+	+	
<i>Oligocottus myderi</i>	saddleback sculpin			⊕							+		
<i>Psychrolutes paradoxus</i>	fluffy sculpin			⊕							⊕		+
<i>Radulinus asprellus</i>	tadpole sculpin	+	+	⊕	+	●	⊕	+	⊕	⊕	●	+	●
<i>Radulinus boleoides</i>	slim sculpin			+									
<i>Rhamphocottus richardsoni</i>	darler sculpin			⊕							⊕		⊕
<i>Scorpaenichthys marmoratus</i>	grunt sculpin			⊕	+	+	⊕	+	⊕	●	⊕	+	⊕
<i>Synchirus gilli</i>	cabezon			+			+				+	+	
<i>Triglops macellus</i>	manacled sculpin			+							+	+	
<i>Triglops pingeli</i>	roughspine sculpin			+							+	+	
	ribbed sculpin			⊕	+	+	+	+	+	+	+		
FAMILY AGONIDAE													
<i>Agonopsis emmelane</i>	Poachers												
	northern spearnose												
	poacher			⊕	+	+	+	+	+	+	⊕	+	⊕
<i>Agonus acipenserinus</i>	sturgeon poacher	+	+	⊕	⊕	●	⊕	+	⊕	●	●	+	●
<i>Anoplogonus inermis</i>	smooth alligatorfish			⊕	+		+				+		
<i>Asterotheca alascana</i>	gray starsnout			⊕	+		+		+	+	+		
<i>Asterotheca infraspinata</i>	spinycheek starsnout			⊕	+	+		+	+		+		

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FAMILY AGONIDAE--Continued													
<i>Asterotheca pentacanthus</i>	Poachers												
<i>Bathagonus nigripinnis</i>	bigeye poacher	+					+		+		+		
<i>Bothragonus swani</i>	blackfin poacher			+		⊕		+	+				
	rockhead			⊕			+						
<i>Hypsagonus quadricornis</i>	fourhorn poacher	+		⊕		+							
<i>Odontopyxis trispinosa</i>	pygmy poacher	+		⊕		⊕	+	+	●	●	●	+	●
<i>Pallasina barbata</i>	tubenose poacher	+		⊕		+	+			+	+		
<i>Xeneretmus latifrons</i>	blacktip poacher	+		+		●		⊕	⊕	⊕	●		●
<i>Xeneretmus triacanthus</i>	bluespotted poacher			+		⊕		+	+	⊕	⊕	+	+
FAMILY CYCLOPTERIDAE													
<i>Careproctus melanurus</i>	Lumpfishes and Snailfishes												
	blacktail snailfish												
<i>Eumicrotremus orbis</i>	Pacific spiny lumpsucker	+		⊕		+	+						+
<i>Liparis calliodon</i>	spotted snailfish	+		⊕		+	+						
<i>Liparis cyclopus</i>	ribbon snailfish	+		⊕			+	+	+		+	+	+
<i>Liparis dennyi</i>	marbled snailfish	+		⊕		+	+		+		+	+	+
<i>Liparis florae</i>	tidepool snailfish	+		⊕		+					+	+	+

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FAMILY CYCLOPTERIDAE--Continued													
<i>Liparis fucensis</i>	Lumpfishes and Snailfishes slipskin snailfish	+	+	+		+	+	+	+	+	⊕	+	
<i>Liparis pulchellus</i>	showy snailfish	+	⊕	⊕	+	+	+	+	+	+	+	+	⊕
<i>Nectoliparis pelagicus</i>	tadpole snailfish					+			+	+	+		+
<i>Polypena beringiana</i>	Bering snailfish						+						
FAMILY BOTHIDAE													
<i>Citharichthys sordidus</i>	Lefteye Flounders Pacific sanddab	+	+	⊕	+	●	+	⊕	●	⊕	●	+	⊕
<i>Citharichthys stigmaeus</i>	speckled sanddab	+	+	⊕	+	●	+	⊕	●	●	●	⊕	●
FAMILY PLEURONECTIDAE													
<i>Atheresthes stomias</i>	Righteye Flounders arrowtooth flounder	+	⊕	⊕	⊕	●	+	⊕	●	⊕	●	+	⊕
<i>Eopsetta jordani</i>	petrale sole	+	+	+	+	⊕	+	⊕	●	⊕	+	+	⊕
<i>Glyptocephalus zachirus</i>	rex sole	+	⊕	⊕	⊕	●	+	⊕	●	⊕	●	+	⊕
<i>Hippoglossoides elassodon</i>	flathead sole	+	⊕	●	●	●	⊕	⊕	⊕	●	⊕		
<i>Hippoglossus stenolepis</i>	Pacific halibut	+	●	+			⊕	+	+	+	⊕		⊕
<i>Isopsetta isolepis</i>	butter sole	●	⊕	●	●	●	⊕	+	+	+	●	⊕	●
<i>Lepidopsetta bilineata</i>	rock sole	●	⊕	●	⊕	●	⊕	+	●	●	●	⊕	●
<i>Lyopsetta erilis</i>	slender sole	+	+	+	+	●	+	⊕	●	●	●	+	●

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INDEX TO COMMON NAMES

For ease in locating Puget Sound fishes by their common names, the following index is included. Readers are reminded of the synopsis of scientific family names appearing on page 3 of this checklist.

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 6 American shad (Herring)
 7 Anchovies
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L

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 8 Lanternfishes
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N

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 8 northern lampfish (Lanternfish)
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O

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P

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S (continued)

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7	Smelts	14	tiger rockfish
17	smooth alligatorfish (Poacher)	8	Toadfishes
15	smoothhead sculpin	8	tomcod, Pacific
18	Snailfishes, Lumpfishes	7	Trouts, Salmons
11	snake prickleback	18	tubenose poacher
6	Snipe Eels	9	tube-snout (Stickleback)
7	sockeye salmon		
16	soft sculpin		V
19	speckled sanddab (Lefteye Flounder)		
5	spiny dogfish	14	vermillion rockfish
17	spinycheek starsnout (Poacher)		
16	spinyhead sculpin		W
13	splitnose rockfish		
16	spotfin sculpin		
18	spotted snailfish	8	walleye pollock
16	staghorn sculpin, Pacific	11	Warbonnets (Prickleback)
20	starry flounder (Righteye Flounder)	9	wattled eelpout
6	starry skate	7	whitebait smelt
17	starsnouts (Poacher)	11	whitebarred prickleback
9	Sticklebacks	10	white seabass (Drum)
9	striped bass (Temperate Bass)	10	white seaperch
10	striped seaperch	15	whitespotted greenling
14	stripetail rockfish	6	white sturgeon
17	sturgeon poacher	12	wolf-eel
6	Sturgeons	12	Wolffishes
20	sunfish, ocean (Mola)	12	Wrymouths
10	Surfperches		
7	surf smelt		Y
	T		
17	tadpole sculpin	14	yelloweye rockfish
19	tadpole snailfish	14	yellowtail rockfish

