

Freshwater and Marine Fish of Boundary Bay

Compiled by Anne Murray, January 2009

The first list includes native fish that occur in freshwater streams and rivers in the Boundary Bay watershed, or in the marine waters of Boundary Bay itself, or within the Fraser River estuary (see map in *A Nature Guide to Boundary Bay* for area covered). The list is based on a number of sources but is almost certainly incomplete. Few studies have been done of non-salmonid fish populations in Boundary Bay waters. Some species may now be extirpated. Former or alternative names are given in brackets.

A short list of introduced fish species is found on page 3.

Additions, changes and suggestions for these lists are welcome.

Common Name	Scientific Name
Western Brook Lamprey	<i>Lampetra richardsoni</i>
Pacific Lamprey	<i>Lampetra tridentata</i>
River Lamprey	<i>Lampetra ayresi</i>
White Sturgeon	<i>Acipenser transmontanus</i>
Green Sturgeon	<i>Acipenser medirostris</i>
Mountain whitefish	<i>Prosopium willamsoni</i>
Bull trout	<i>Salvelinus confluentus</i>
Dolly Varden char	<i>Salvelinus malma</i>
Coastal Cutthroat Trout	<i>Oncorhynchus clarki</i>
Steelhead	<i>Oncorhynchus mykiss</i>
Coho Salmon	<i>Oncorhynchus kisutch</i>
Chum Salmon	<i>Oncorhynchus keta</i>
Chinook Salmon	<i>Oncorhynchus tshawytscha</i>
Pink salmon	<i>Oncorhynchus gorbuscha</i>
Sockeye salmon	<i>Oncorhynchus nerka</i>
Brassy minnow	<i>Hybognathus hankinsoni</i>
Peamouth (peamouth chub)	<i>Mylocheilus caurinus</i>
Northern pikeminnow	<i>Ptycocheilus oregonensis</i>
Longnose dace	<i>Rhinichthys cataractae</i>
Nooksack dace	<i>Rhinichthys spp.</i>
Leopard dace	<i>Rhinichthys falcatus</i>
Redside shiner	<i>Richardsonius balteatus</i>
Longnose sucker	<i>Catostomus catostomus</i>
Salish Sucker	<i>Catostomus spp</i>
Largescale sucker	<i>Catostomus macrocheilus</i>
Threespine stickleback	<i>Gasterosteus aculeatus</i>
Plainfin midshipman	<i>Porichthys notatus</i>
Prickly sculpin	<i>Cottus asper</i>
Smoothhead sculpin	<i>Artedius lateralis</i>
Spinynose sculpin	<i>Asemichthys taylori</i>
Coastrange sculpin (Aleutian sculpin)	<i>Cottus aleuticus</i>
Buffalo sculpin	<i>Enophrys bison</i>
Pacific staghorn sculpin	<i>Leptocottus armatus</i>

Tidepool sculpin	<i>Synchirus gilli</i>
Surf smelt	<i>Hypomesus pretiosus</i>
Longfin Smelt	<i>Spirinchus thaleichthys</i>
Eulachon	<i>Thaleichthys pacificus</i>
Pacific sandlance	<i>Ammodytes hexapterus</i>
Capelin	<i>Mallotus villosus</i>
Northern anchovy	<i>Engraulis mordax</i>
Walleye pollock	<i>Theragra chalcogramma</i>
Tubesnout	<i>Aulorhynchus flavidus</i>
Shiner perch (seaperch)	<i>Cymatogaster aggregata</i>
Striped perch (seaperch)	<i>Embiotoca lateralis</i>
Pile perch	<i>Rhacochilus vacca</i>
Pacific herring	<i>Clupea pallasii</i>
Pacific hake	<i>Merluccius productus</i>
Pacific cod	<i>Gadus macrocephalus</i>
Pacific snake prickleback	<i>Lumpenus sagitta</i>
Penpoint gunnel	<i>Apodichthys flavidus</i>
Saddleback gunnel	<i>Pholis ornata</i>
Crescent gunnel	<i>Pholis laeta</i>
Arrow goby	<i>Clevelandia ios</i>
Bay pipefish	<i>Syngnathus leptorhynchus</i>
Pacific sanddab	<i>Citharichthys sordidus</i>
Butter sole	<i>Inopsetta isolepsis</i>
Lemon sole (English sole)	<i>Parophrys vetulus</i>
Dover sole	<i>Microstomus pacificus</i>
Rock sole	<i>Lepidopsetta bilineata</i>
Sand sole	<i>Psettichthys melanostictus</i>
Starry flounder	<i>Platichthys stellatus</i>
Largemouth bass	<i>Micropterus salmoides</i>
Pacific tomcod	<i>Microgadus proximus</i>
Pacific halibut	<i>Hippoglossus stenolepis</i>
Kelp greenling	<i>Hexagrammos decagrammos</i>
Painted greenling	<i>Oxylebius pictus</i>
Lingcod	<i>Ophiodon elongatus</i>
Cabazon	<i>Scopaenichthys marmoratus</i>
Pacific mackerel (chub mackerel)	<i>Scomber japonicus</i>
Pacific sardine (pilchard)	<i>Sardinops sagax</i>
Sablefish (black cod)	<i>Anaplopoma fimbria</i>
Sixgill shark	<i>Hexanchus griseus</i>
Longnose skate	<i>Raja rhina</i>
Spiny dogfish	<i>Squalus acanthias</i>
Copper rockfish	<i>Sebastes caurinus</i>
Black rockfish	<i>Sebastes melanops</i>
Brown rockfish	<i>Sebastes auriculatus</i>
Quillback rockfish	<i>Sebastes maliger</i>
Yelloweye rockfish	<i>Sebastes ruberrimus</i>
Bocaccio rockfish	<i>Sebastes paucispinis</i>

Yellowtail rockfish
Blackeye goby

Sebastes flavidus
Coryphopterus nicholsii

Introduced fish

American Shad	<i>Alosa sapidissima</i>	Introduced to California then spread naturally
Common carp	<i>Cyprinus carpio</i>	
Goldfish	<i>Carassius auratus</i>	
Fathead minnow	<i>Pimephales promelas</i>	
Pumpkinseed	<i>Lepomis gibbosus</i>	
Black crappie	<i>Pomoxis nigromaculatus</i>	
Brown bullhead (brown catfish)	<i>Ameiurus nebulosus/Ictalurus nebulosus</i>	
Black bullhead	<i>Ictalurus melas</i>	
Atlantic salmon	<i>Salmo salar</i>	

Sources: see page 3 - 5

Stewardship groups: page 5

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STEWARDSHIP INITIATIVES

Seagrass Conservation Initiative, started 2001, is involved in mapping and stewardship of eelgrass meadows in the Pacific Northwest. Locally, Friends of Semiahmoo Bay Society are working to conserve eelgrass in Boundary Bay, with the initial mapping project taking place in Semiahmoo Bay, near White Rock and Blaine.

Friends of Semiahmoo Bay Society also have a Beach Hero Program to educate the public about marine life and undertake a Forage Fish Survey. Underwater surveys of marine life are conducted in partnership with Pro-Divers.

Langley Environmental Partners Society: stewardship of the Langley area wetlands

Tynehead Salmon Hatchery

Semiahmoo Fish and Game Society

Nicomekl Enhancement Society

Serpentine Enhancement Society

Green Timbers Heritage Society

Puget Sound Water Quality Action Team www.wa.gov/puget_sound

Drayton Harbor Community Oyster Farm