



NOAA
FISHERIES

Alaska Fisheries Science Center

Resource Assessment and Conservation Engineering



MAY 2019

GROUND FISH SURVEY & SPECIES CODES

SPECIES CODES

Resource Assessment and Conservation Engineering Division

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The Species Code listings given in this manual are the most complete and correct copies of the RACE Division's central Species Code database, as of: May 2019. This manual replaces all previous Species Code book versions.

The source of these listings is a single Species Code table maintained at the AFSC, Seattle. This source table, started during the 1950's, now includes approximately 2651 marine taxa from Pacific Northwest and Alaskan waters.

The Species Code book is a listing of codes used for fishes and invertebrates identified in RACE division surveys. It is not a comprehensive list of all taxa potentially available to the surveys nor a hierarchical taxonomic key. It is a linear listing of codes applied to individual catch records. Specifically, a code assigned to a genus or higher refers to animals identified only to that level. It does not include animals identified to lower levels listed under other codes. An individual specimen is only represented once by any one code.

The Code listing is periodically reviewed by RACE staff to ensure its accuracy and standardization. Names used are those established by general usage in the scientific community, using the following published resources: Names of Fishes (AFS, 2004), Names of Decapod Crustaceans (AFS, 1989), Names of Mollusks (AFS, 1988, 1998), Names of Cnidaria and Ctenophora (AFS, 1991), and the most recent Integrated Taxonomic Information System (ITIS) database (<http://www.itis.usda.gov/>) and World Register of Marine Species (<http://www.marinespecies.org/>) database. Names used in this Code list may differ on the basis of the most recent research. No subspecies will be included in the Species Code List.

Previous species code assignments may become obsolete because taxa are no longer recorded in the database (for example, because of reidentifications of vouchered specimens or taxonomic reclassification). These codes are omitted from the present listings but are included in a separate table with the date of revision to the Species Code List.

Front Cover Image: Giant Octopus (*Enteroctopus dofleini*) Kodiak Lab

CODE	SPECIES NAME	COMMON NAME	CODE	SPECIES NAME	COMMON NAME
1		fish egg unid.	420	<i>Beringraja binoculata</i>	big skate
2		fish larvae unid.	421	<i>Raja binoculata</i> egg case	
3		fish unid.	425	<i>Raja inornata</i>	California skate
10	Petromyzontidae	lamprey unid.	435	<i>Bathyrāja interrupta</i>	Bering skate
21	<i>Lampetra tridentata</i>	Pacific lamprey		<i>Bathyrāja interrupta</i> egg case	
100	Myxinidae	hagfish unid.	436		
109	<i>Eptatretus</i> sp.		440	<i>Raja rhina</i>	longnose skate
110	<i>Eptatretus deani</i>	black hagfish	441	<i>Raja rhina</i> egg case	longnose skate egg case
120	<i>Eptatretus stouti</i>	Pacific hagfish	445	<i>Raja badia</i>	roughshoulder skate
150	Selachii	shark unid.	446	<i>Raja badia</i> egg case	
151	Chondrichthyes	cartilaginous fish unid.	450	<i>Raja stellulata</i>	starry skate
160	<i>Selachii</i> egg case	shark egg case unid.	455	<i>Bathyrāja taranetzi</i>	mud skate
180	<i>Alopias vulpinus</i>	thresher shark	456	<i>Bathyrāja taranetzi</i> egg case	mud skate egg case
200	Scyliorhinidae	cat shark unid.	460	<i>Bathyrāja trachura</i>	rougtail skate
	<i>Apristurus brunneus</i> egg case		461	<i>Bathyrāja trachura</i> egg case	
201		brown cat shark egg case	471	<i>Bathyrāja parmifera</i>	Alaska skate
210	<i>Apristurus brunneus</i>	brown cat shark	472	<i>Bathyrāja aleutica</i>	Aleutian skate
211	<i>Parmaturus xaniurus</i>	filetail cat shark	473	<i>Bathyrāja aleutica</i> egg case	Aleutian skate egg case
212	<i>Apristurus kampae</i>	longnose cat shark		<i>Bathyrāja parmifera</i> egg case	
213	<i>Apristurus</i> sp.		474		Alaska skate egg case
214	<i>Cephaloscyllium ventriosum</i>	swell shark	475	<i>Bathyrāja lindbergi</i>	Commander skate
222	<i>Hexanchus griseus</i>	sixgill shark	476	<i>Bathyrāja lindbergi</i> egg case	Commander skate egg case
232	<i>Lamna ditropis</i>	salmon shark	477	<i>Bathyrāja panthera</i>	leopard skate
242	<i>Cetorhinus maximus</i>	basking shark		<i>Bathyrāja panthera</i> egg case	
252	<i>Squatina californica</i>	Pacific angel shark	478		leopard skate egg case
310	<i>Squalus suckleyi</i>	spiny dogfish	480	<i>Bathyrāja maculata</i>	whiteblotched skate
311	<i>Centroscyllium nigrum</i>	combtooth dogfish		<i>Bathyrāja maculata</i> egg case	
320	<i>Somniosus pacificus</i>	Pacific sleeper shark	481		whiteblotched skate egg case
332	<i>Galeorhinus galeus</i>	soupin shark	483	<i>Bathyrāja mariposa</i>	butterfly skate
339	<i>Mustelus</i> sp.			<i>Bathyrāja mariposa</i> egg case	
340	<i>Mustelus henlei</i>	brown smoothhound	484		butterfly skate egg case
341	<i>Mustelus californicus</i>	gray smoothhound	485	<i>Bathyrāja minispinosa</i>	whitebrow skate
351	<i>Prionace glauca</i>	blue shark		<i>Bathyrāja minispinosa</i> egg case	
355	<i>Triakis semifasciata</i>	leopard shark	486		whitebrow skate egg case
400	Rajidae	skate unid.	490	<i>Bathyrāja smirnovi</i>	golden skate
401		skate egg case unid.	495	<i>Bathyrāja violacea</i>	Okhotsk skate
402	<i>Bathyrāja</i> sp. egg case		610	<i>Torpedo californica</i>	Pacific electric ray
403	<i>Raja</i> sp. egg case		710	<i>Hydrolagus colliei</i>	spotted ratfish
404	<i>Raja</i> sp.		711	<i>Hydrolagus colliei</i> egg case	
405	<i>Bathyrāja</i> sp.		10001	Pleuronectiformes	flatfish unid.
406	<i>Bathyrāja spinosissima</i>	white skate	10002	Pleuronectiform larvae	flatfish larvae
410	<i>Bathyrāja abyssicola</i>	deepsea skate	10003	Bothidae	lefteye flounder unid.
	<i>Bathyrāja abyssicola</i> egg case		10008	<i>Citharichthys</i> sp.	sanddab unid.
411		deepsea skate egg case	10009	<i>Citharichthys xanthostigma</i>	longfin sanddab
			10010	<i>Citharichthys sordidus</i>	Pacific sanddab

CODE	SPECIES NAME	COMMON NAME	CODE	SPECIES NAME	COMMON NAME
10020	<i>Citharichthys stigmaeus</i>	speckled sanddab	10270	<i>Isopsetta isolepis</i>	butter sole
10041	<i>Hippoglossina stomata</i>	bigmouth sole	10280	<i>Pleuronichthys decurrens</i>	curlfin sole
10050	<i>Paralichthys californicus</i>	California halibut	10281	<i>Pleuronichthys verticalis</i>	hornyhead turbot
10060	<i>Xystreureys liolepis</i>	fantail sole		<i>Pleuronectes</i>	
10100	Pleuronectidae	righteye flounder unid.	10285	<i>quadrituberculatus</i>	Alaska plaice
10110	<i>Atheresthes stomias</i>	arrowtooth flounder	10290	<i>Pleuronichthys coenosus</i>	C-O sole
10111	<i>Atheresthes</i> sp.		10291	<i>Pleuronichthys</i> sp.	
10112	<i>Atheresthes evermanni</i>	Kamchatka flounder	10295	<i>Pleuronichthys ritteri</i>	spotted turbot
	<i>Reinhardtius</i>		10400	<i>Symphurus atricauda</i>	California tonguefish
10115	<i>hippoglossoides</i>	Greenland turbot	20000	Agonidae	poacher unid.
	<i>Reinhardtius</i>		20001	<i>Pallasina barbata</i>	tubenose poacher
10116	<i>hippoglossoides</i> (juvenile)	Greenland turbot (juvenile)	20002	<i>Percis japonicus</i>	dragon poacher
10120	<i>Hippoglossus stenolepis</i>	Pacific halibut	20004	<i>Leptagonus</i> sp.	
	<i>Hippoglossus stenolepis</i>		20005	<i>Leptagonus leptorhynchus</i>	longnose poacher
10121	(juvenile)	Pacific halibut (juvenile)	20006	<i>Leptagonus frenatus</i>	sawback poacher
	<i>Parophrys vetulus</i> X		20007	<i>Leptagonus decagonus</i>	Atlantic poacher
10122	<i>Platichthys stellatus</i> hybrid	hybrid sole			
10129	<i>Hippoglossoides</i> sp.		20015	<i>Agonopsis vulsa</i>	northern spearnose poacher
10130	<i>Hippoglossoides elassodon</i>	flathead sole	20018	<i>Odontopyxis trispinosa</i>	pygmy poacher
10140	<i>Hippoglossoides robustus</i>	Bering flounder	20020	<i>Xeneretmus latifrons</i>	blacktip poacher
	<i>Hippoglossoides robustus</i>		20021	<i>Xeneretmus triacanthus</i>	bluespotted poacher
10141	(juvenile)	Bering flounder (juvenile)	20022	<i>Xeneretmus leiops</i>	smootheye poacher
10145	<i>Hypsopsetta guttulata</i>	diamond turbot	20023	<i>Xeneretmus</i> sp.	
10150	<i>Lyopsetta exilis</i>	slender sole	20034	<i>Bathyagonus</i> sp.	starsnout poacher unid.
10155	<i>Liopsetta glacialis</i>	Arctic flounder	20035	<i>Bathyagonus alascanus</i>	gray starsnout
10160	<i>Eopsetta jordani</i>	petrale sole	20036	<i>Bathyagonus infraspinus</i>	spinycheek starsnout
10170	<i>Parophrys vetulus</i>	English sole	20037	<i>Bathyagonus pentacanthus</i>	bigeye poacher
10180	<i>Microstomus pacificus</i>	Dover sole	20038	<i>Bathyagonus nigripinnis</i>	blackfin poacher
10190	<i>Embassichthys bathybius</i>	deepsea sole	20039	<i>Podothecus</i> sp.	
10200	<i>Glyptocephalus zachirus</i>	rex sole	20040	<i>Podothecus accipenserinus</i>	sturgeon poacher
	<i>Glyptocephalus zachirus</i>		20041	<i>Podothecus veterinus</i>	veteran poacher
10201	larvae	rex sole larvae		<i>Aspidophoroides</i>	
10209	<i>Limanda aspera</i> (juvenile)	yellowfin sole (juvenile)	20050	<i>monopterygius</i>	Aleutian alligatorfish
10210	<i>Limanda aspera</i>	yellowfin sole	20051	<i>Ulcina olrikii</i>	Arctic alligatorfish
10211	<i>Limanda proboscidea</i>	longhead dab	20055	<i>Anoplagonus inermis</i>	smooth alligatorfish
10212	<i>Limanda sakhalinensis</i>	Sakhalin sole	20060	<i>Chesnonia verrucosa</i>	warty poacher
10220	<i>Platichthys stellatus</i>	starry flounder	20061	<i>Ocella dodecaedron</i>	Bering poacher
	<i>Platichthys stellatus</i>		20071	<i>Hypsagonus quadricornis</i>	fourhorn poacher
	X <i>Pleuronectes</i>	hybrid starry flounder X	20075	<i>Stellerina xyosterna</i>	pricklebreast poacher
10221	<i>quadrituberculatus</i> hybrid	Alaska plaice	20100	Alepocephalidae	slickhead unid.
10240	<i>Clidoderma asperrimum</i>	roughscale sole	20105	<i>Asquamiceps caeruleus</i>	caerulean slickhead
10250	<i>Psettichthys melanostictus</i>	sand sole	20110	<i>Alepocephalus</i> sp.	
10260	<i>Lepidopsetta</i> sp.	rock sole unid.	20120	<i>Alepocephalus tenebrosus</i>	California slickhead
10261	<i>Lepidopsetta polyxystra</i>	northern rock sole	20121	<i>Bajacalifornia burragei</i>	sharpchin slickhead
10262	<i>Lepidopsetta bilineata</i>	southern rock sole			
	<i>Lepidopsetta polyxystra</i>	northern rock sole			
10263	(juvenile)	(juvenile)			

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20122	<i>Bajacalifornia megalops</i>		20900	Ophidiidae	cusks-eel unid.
20130	<i>Rouleina attrita</i>	softskin slickhead	20901	<i>Chilara taylori</i>	spotted cusks-eel
20150	<i>Talismania bifurcata</i>	threadfin slickhead	20902	<i>Ophidion scrippsae</i>	basketweave cusks-eel
20179	<i>Maulisia</i> sp.		20905	<i>Lamprogrammus niger</i>	paperbone cusks-eel
20180	<i>Maulisia maui</i>		20908	<i>Dicrolene</i> sp.	
20181	<i>Maulisia argipalla</i>	pitted tubeshoulder	20910	<i>Dicrolene filamentosa</i>	threadfin cusks-eel
20202	<i>Ammodytes</i> sp.	sand lance unid.	20915	<i>Melanonus zugmayeri</i>	arrowtail
20203	<i>Ammodytes hexapterus</i>	Arctic sand lance	20916	<i>Bassozetes zenkevitchi</i>	pelagic assfish
20204	<i>Ammodytes personatus</i>	Pacific sand lance	20920	<i>Cataetys</i> sp.	
20320	<i>Anarrhichthys ocellatus</i>	wolf-eel	20921	<i>Cataetys rubrirostris</i>	rubynose brotula
20322	<i>Anarhichas orientalis</i>	Bering wolffish	20930	<i>Brosomphycis marginata</i>	red brotula
20420	<i>Anoplogaster cornuta</i>	fangtooth	20952	<i>Trachurus symmetricus</i>	jack mackerel
20510	<i>Anoplopoma fimbria</i>	sablefish	20960	Ceratioidei	
20542	<i>Aulorhynchus flavidus</i>	tube-snout	20971	<i>Melanocetus johnsonii</i>	common blackdevil
20570	Argentiformes	marine smelts	20980	Ceratiidae	seadevils unid.
20571	Argentinidae	argentine unid.	20981	<i>Cryptosaras couesii</i>	triplewart seadevil
20572	<i>Nansenia candida</i>	bluethroat argentine	20990	Cetomimidae	flabby whalefishes
20573	<i>Argentina sialis</i>	Pacific argentine			armored redmouth whalefish
20575	Atherinidae	silverside unid.	20995	<i>Rondeletia loricata</i>	
20576	<i>Atherinops affinis</i>	topsmelt	21000	Chauliodontinae	viperfish unid.
20577	<i>Antherinopsis californiensis</i>	jacksmelt	21009	<i>Chauliodus</i> sp.	
20610	<i>Engraulis mordax</i>	northern anchovy	21010	<i>Chauliodus macouni</i>	Pacific viperfish
20614	Bathylagidae	deepsea smelt unid.	21110	<i>Clupea pallasii</i>	Pacific herring
20615	<i>Bathylagus pacificus</i>	Pacific blacksmelt	21120	<i>Alosa sapidissima</i>	American shad
20619	<i>Bathylagus</i> sp.	blacksmelt unid.	21130	<i>Sardinops sagax</i>	Pacific sardine
20620	<i>Bathylagus milleri</i>	robust blacksmelt	21150	<i>Gigantactis</i> sp.	
20622	<i>Leuroglossus schmidti</i>	northern smoothtongue	21200	Macrouridae	grenadier unid.
20624	<i>Bathylagus ochotensis</i>	popeye blacksmelt	21201	<i>Nezumia stelgidolepis</i>	California grenadier
20660	<i>Leuroglossus</i> sp.		21202	<i>Nezumia liolepis</i>	smooth grenadier
20662	<i>Leuroglossus stilbius</i>	California smoothtongue	21204	<i>Caelorinchus scaphopsis</i>	shoulderspot grenadier
20700	Bathymasteridae	ronquil unid.	21210	<i>Coryphaenoides</i> sp.	
20702	<i>Ronquilus jordani</i>	northern ronquil	21220	<i>Coryphaenoides acrolepis</i>	Pacific grenadier
	<i>Bathymaster</i>		21230	<i>Coryphaenoides pectoralis</i>	giant grenadier
20712	<i>caeruleofasciatus</i>	Alaskan ronquil	21232	<i>Coryphaenoides cinereus</i>	popeye grenadier
20713	<i>Bathymaster leurolepis</i>	smallmouth ronquil	21238	<i>Coryphaenoides filifer</i>	filamented grenadier
20720	<i>Bathymaster signatus</i>	searcher	21239	<i>Coryphaenoides longifilis</i>	longfin grenadier
20722	<i>Bathymaster derjugini</i>	bluecheek ronquil	21240	<i>Malacocephalus laevis</i>	softhead grenadier
20731	<i>Rathbunella hypoplecta</i>	smooth ronquil	21300	Cottidae	sculpin unid.
20801	<i>Porichthys notatus</i>	plainfin midshipman	21305	<i>Zesticelus profundorum</i>	flabby sculpin
20802	<i>Porichthys</i> sp.		21307	<i>Icelinus</i> sp.	
20803	Batrachoididae	toadfishes	21308	<i>Thyriscus anoplus</i>	sponge sculpin
20842	<i>Brama japonica</i>	Pacific pomfret	21309	<i>Icelinus oculatus</i>	frogmouth sculpin
20871	<i>Bathylaco nigricans</i>	bonythroat	21310	<i>Icelinus filamentosus</i>	threadfin sculpin

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21311	<i>Icelinus borealis</i>	northern sculpin	21366	<i>Chitonotus pugetensis</i>	roughback sculpin
21312	<i>Icelinus tenuis</i>	spotfin sculpin	21368	<i>Myoxocephalus scorpius</i>	shorthorn (=warty) sculpin
21313	<i>Gymnocanthus</i> sp.		21369	<i>Myoxocephalus niger</i>	warthead sculpin
21314	<i>Gymnocanthus pistilliger</i>	threaded sculpin		<i>Myoxocephalus</i>	
21315	<i>Gymnocanthus tricuspis</i>	Arctic staghorn sculpin	21370	<i>polyacanthocephalus</i>	great sculpin
21316	<i>Gymnocanthus galeatus</i>	armorhead sculpin	21371	<i>Myoxocephalus jaok</i>	plain sculpin
21318	<i>Icelinus fimbriatus</i>	fringed sculpin	21373	<i>Myoxocephalus stelleri</i>	frog sculpin
21320	<i>Radulinus asprellus</i>	slim sculpin	21375	<i>Myoxocephalus</i> sp.	
21327	<i>Clinocottus acuticeps</i>	sharpnose sculpin	21376	<i>Megalocottus platycephalus</i>	belligerent sculpin
21328	<i>Artediellus camchaticus</i>	Kamchatka hookear sculpin		<i>Myoxocephalus</i>	
21329	<i>Gymnocanthus detrisus</i>	purplegray sculpin	21377	<i>quadricornis</i>	fourhorn sculpin
	<i>Scorpaenichthys</i>		21378	<i>Myoxocephalus scorpioides</i>	Arctic sculpin
21330	<i>marmoratus</i>	cabezon	21379	<i>Trichocottus brashnikovii</i>	hairhead sculpin
21331	<i>Artediellus</i> sp.		21380	<i>Leptocottus armatus</i>	Pacific staghorn sculpin
21332	<i>Artediellus micananthus</i>	bride sculpin	21383	<i>Gilbertidia sigalutes</i>	soft sculpin
21333	<i>Artediellus pacificus</i>	hookhorn sculpin	21384	<i>Enophrys</i> sp.	
21334	<i>Artediellus scaber</i>	hamecon	21386	<i>Enophrys bison</i>	buffalo sculpin
21335	<i>Artediellus uncinatus</i>	Arctic hookear sculpin	21387	<i>Enophrys lucasi</i>	leister sculpin
21336	<i>Artediellus gomojunovi</i>	spinyhook sculpin	21388	<i>Enophrys diceraus</i>	antlered sculpin
21337	<i>Bolinia euryptera</i>	broadfin sculpin	21389	<i>Enophrys taurina</i>	bull sculpin
21338	<i>Malacocottus aleuticus</i>	whitetail sculpin	21390	<i>Dasycottus setiger</i>	spinyhead sculpin
21339	<i>Malacocottus</i> sp.		21393	<i>Psychrolutes</i> sp.	
21340	<i>Malacocottus kincaidi</i>	blackfin sculpin	21394	<i>Psychrolutes paradoxus</i>	tadpole sculpin
21341	<i>Malacocottus zonurus</i>	darkfin sculpin	21395	<i>Psychrolutes phrictus</i>	blob sculpin
21342	<i>Hemilepidotus</i> sp.	Irish lord	21397	<i>Blepsias bilobus</i>	crested sculpin
21343	<i>Hemilepidotus gilberti</i>	banded Irish lord	21398	<i>Blepsias cirrhosus</i>	silverspotted sculpin
21344	<i>Hemilepidotus spinosus</i>	brown Irish lord	21404	<i>Nautichthys</i> sp.	
21345	<i>Hemilepidotus zapus</i>	longfin Irish lord	21405	<i>Nautichthys pribilovius</i>	eyeshade sculpin
	<i>Hemilepidotus</i>		21406	<i>Nautichthys oculo-fasciatus</i>	sailfin sculpin
21346	<i>hemilepidotus</i>	red Irish lord	21407	<i>Nautichthys robustus</i>	shortmast sculpin
21347	<i>Hemilepidotus jordani</i>	yellow Irish lord	21415	<i>Rhamphocottus richardsoni</i>	grunt sculpin
21348	<i>Hemilepidotus papilio</i>	butterfly sculpin	21420	<i>Hemitripterus bolini</i>	bigmouth sculpin
21349	<i>Archistes plumarius</i>	plumed sculpin	21421	<i>Hemitripterus villosus</i>	sea raven
21350	<i>Triglops</i> sp.		21422	<i>Hemitripterus bolini</i> egg	bigmouth sculpin egg
21351	<i>Triglops nybelini</i>	bigeye sculpin	21423	<i>Eurymen gyrinus</i>	smoothcheek sculpin
21352	<i>Triglops forficata</i>	scissortail sculpin	21429	<i>Triglops xenostethus</i>	scalybreasted sculpin
21353	<i>Triglops metopias</i>	highbrow sculpin	21436	<i>Ruscarius meanyi</i>	Puget Sound sculpin
21354	<i>Triglops scepticus</i>	spectacled sculpin	21437	<i>Icelinus burchami</i>	dusky sculpin
21355	<i>Triglops pingeli</i>	ribbed sculpin	21438	<i>Icelus spiniger</i>	thorny sculpin
21356	<i>Triglops macellus</i>	roughspine sculpin	21439	<i>Icelus canaliculatus</i>	blacknose sculpin
21359	<i>Archistes biseriatus</i>	scaled sculpin	21440	<i>Icelus euryops</i>	wide-eye sculpin
21360	<i>Microcottus sellaris</i>	brightbelly sculpin	21441	<i>Icelus spatula</i>	spatulate sculpin
21362	<i>Artedius fenestralis</i>	padded sculpin	21443	<i>Icelus uncinalis</i>	uncinate sculpin
21363	<i>Artedius lateralis</i>	smoothhead sculpin	21444	<i>Rastrinus scutiger</i>	roughskin sculpin

CODE	SPECIES NAME	COMMON NAME	CODE	SPECIES NAME	COMMON NAME
21445	<i>Jordania zonope</i>	longfin sculpin	21800	Gonostomatidae	bristlemouth unid.
21446	<i>Icelus</i> sp.		21805	<i>Sigmops gracilis</i>	slender fangjaw
21447	<i>Paricelinus hopliticus</i>	thornback sculpin	21810	<i>Cyclothone</i> sp.	
21484	<i>Paralabrax nebulifer</i>	barred sand bass	21811	<i>Cyclothone atraria</i>	black bristlemouth
21500	Embiotocidae	surfperch unid.	21812	<i>Cyclothone pseudopallida</i>	slender bristlemouth
21501	<i>Amphistichus argenteus</i>	barred surfperch	21813	<i>Cyclothone signata</i>	showy bristlemouth
21502	<i>Amphistichus rhodoterus</i>	redtail surfperch	21815	<i>Cyclothone acclinidens</i>	benttooth bristlemouth
21503	<i>Hyperprosopon argenteum</i>	walleye surfperch	21818	<i>Gonostoma</i> sp.	
21506	<i>Embiotoca lateralis</i>	striped surfperch	21820	Sternoptychidae	hatchetfish unid.
21510	<i>Cymatogaster aggregata</i>	shiner perch	21821	<i>Argyropelecus sladeni</i>	silvery hatchetfish
21515	<i>Hyperprosopon anale</i>	spotfin surfperch	21822	<i>Argyropelecus</i> sp.	
21521	<i>Rhacochilus vacca</i>	pile perch	21823	<i>Argyropelecus lychnus</i>	tropical hatchetfish
21522	<i>Zalembius rosaceus</i>	pink seaperch	21824	<i>Argyropelecus affinis</i>	slender hatchetfish
21592	<i>Trichodon trichodon</i>	Pacific sandfish	21825	<i>Sternoptyx diaphana</i>	longspine hatchetfish
21594	Chiasmodontidae	swallowers	21827	<i>Sternoptyx</i> sp.	
21595	<i>Kali indica</i>	shortnose swallower	21845	<i>Stomias atriventer</i>	blackbelly dragonfish
21596	<i>Chiasmodon niger</i>	black swallower	21846	Stomiiformes	
21597	<i>Kali normani</i>	needletooth swallower	21847	Stomiidae	barbeled dragonfish
21598	<i>Pseudoscopelus</i> sp.		21848	<i>Pachystomias microdon</i>	
21705	Gadidae	cod unid.	21849	<i>Opostomias mitsuii</i>	pitgum lanternfish
21710	<i>Microgadus proximus</i>	Pacific tomcod	21850	<i>Rhadinesthes decimus</i>	slender snaggletooth
21720	<i>Gadus macrocephalus</i>	Pacific cod	21900	Hexagrammidae	greenling unid.
21721	<i>Gadus macrocephalus</i> (juvenile)	Pacific cod (juvenile)	21910	<i>Ophiodon elongatus</i>	lingcod
21722	<i>Gadus macrocephalus</i> (adult)	Pacific cod (adult)	21915	<i>Oxylebius pictus</i>	painted greenling
21725	<i>Boreogadus saida</i>	Arctic cod		<i>Pleurogrammus monopterygius</i>	Atka mackerel
21726	Moridae	codlings unid.	21921	<i>Hexagrammos</i> sp.	
21727	<i>Halargyreus johnsonii</i>	slender codling		<i>Hexagrammos octogrammus</i>	masked greenling
21731	<i>Antimora microlepis</i>	Pacific flatnose	21931	<i>Hexagrammos stelleri</i>	whitespotted greenling
21732	<i>Physiculus rastrelliger</i>	hundred fathom codling	21932	<i>Hexagrammos lagocephalus</i>	rock greenling
21733	<i>Laemonema longipes</i>	longfin codling		<i>Hexagrammos decagrammus</i>	kelp greenling
21735	<i>Eleginus gracilis</i>	saffron cod	21935	<i>Zaniolepis latipinnis</i>	longspine combfish
21736	<i>Eleginus gracilis</i> (juvenile)	saffron cod (juvenile)	21936	<i>Zaniolepis frenata</i>	shortspine combfish
21737	<i>Eleginus gracilis</i> (adult)	saffron cod (adult)	21937	<i>Icosteus aenigmaticus</i>	ragfish
21740	<i>Gadus chalcogrammus</i>	walleye pollock	22010	<i>Idiacanthus antrostomus</i>	Pacific blackdragon
21741	<i>Gadus chalcogrammus</i> (juvenile)	walleye pollock (juvenile)	22110	<i>Idiacanthus</i> sp.	
21742	<i>Gadus chalcogrammus</i> (adult)	walleye pollock (adult)	22111	<i>Medialuna californiensis</i>	halfmoon
21744	<i>Gadus chalcogrammus</i> larva	walleye pollock larva	22121	Cyclopteridae	lumpsucker unid.
21752	<i>Gasterosteus aculeatus</i>	threespine stickleback	22170	<i>Lethotremus</i> sp.	
21753	<i>Pungitius pungitius</i>	ninespine stickleback	22173	<i>Aptocyclus ventricosus</i>	smooth lumpsucker
21760	Syngnathidae	pipefish unid.	22175	<i>Lethotremus muticus</i>	docked snailfish
21770	Gobiidae	goby unid.	22176	<i>Eumicrotremus birulai</i>	round lumpsucker
			22177		

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22178	<i>Eumicrotremus orbis</i>	Pacific spiny lumpsucker	22235	<i>Careproctus colletti</i>	Alaska snailfish
22179	<i>Eumicrotremus derjugini</i>	leatherfin lumpsucker	22236	<i>Careproctus rastrinus</i>	salmon snailfish
22180	<i>Eumicrotremus gyrinops</i>	Alaskan lumpsucker	22237	<i>Careproctus ovigerus</i>	abyssal snailfish
22182	<i>Eumicrotremus andriashevi</i>	pimpled lumpsucker	22238	<i>Liparis tunicatus</i>	kelp snailfish
22183	<i>Eumicrotremus</i> sp.	spiny lumpsuckers	22239	<i>Careproctus zachirus</i>	paintbrush snailfish
22184	<i>Eumicrotremus barbatus</i>	papillose lumpsucker	22240	<i>Careproctus candidus</i>	bigeye snailfish
22190	<i>Eumicrotremus phrynoides</i>	toad lumpsucker	22241	<i>Paraliparis dactylosus</i>	red snailfish
22200	Liparidae	snailfish unid.	22242	<i>Paraliparis rosaceus</i>	rosy snailfish
22201	<i>Liparis</i> sp.		22243	<i>Paraliparis deani</i>	prickly snailfish
22202	<i>Liparis fucensis</i>	slipskin snailfish	22244	<i>Paraliparis cephalus</i>	swellhead snailfish
22203	<i>Liparis bristolense</i>	Bristol snailfish	22245	<i>Careproctus lycopersicus</i>	tomato snailfish
22204	<i>Liparis dennyi</i>	marbled snailfish	22246	<i>Careproctus comus</i>	comic snailfish
22205	<i>Liparis gibbus</i>	variegated snailfish	22247	<i>Careproctus oregonensis</i>	Oregon snailfish
22206	<i>Crystallichthys cyclospilus</i>	blotched snailfish	22248	<i>Careproctus microstomus</i>	smallmouth snailfish
22207	<i>Liparis megacephalus</i>	bighead snailfish	22249	<i>Paraliparis pectoralis</i>	pectoral snailfish
22208	<i>Liparis pulchellus</i>	showy snailfish	22250	<i>Paraliparis</i> sp.	
22209	<i>Liparis callyodon</i>	spotted snailfish	22251	<i>Careproctus ostentum</i>	microdisk snailfish
22210	<i>Liparis ochotensis</i>	Okhotsk snailfish	22252	<i>Paraliparis paucidens</i>	toothless snailfish
22211	<i>Liparis cyclopus</i>	ribbon snailfish	22253	<i>Lipariscus nanus</i>	pygmy snailfish
22212	<i>Liparis fabricii</i>	gelatinous seasnail	22255	<i>Nectoliparis pelagicus</i>	tadpole snailfish
22213	<i>Liparis rutteri</i>	ringtail snailfish	22256	<i>Careproctus staufferi</i>	wry snailfish
22214	<i>Elassodiscus</i> sp.		22257	<i>Gyrinichthys minytrems</i>	smallpore snailfish
22215	<i>Elassodiscus caudatus</i>	humpback snailfish	22258	<i>Careproctus lerikimae</i>	dusty snailfish
22216	<i>Elassodiscus tremebundus</i>	blacklip snailfish	22259	<i>Careproctus</i> sp. F	two-tone snailfish
22217	<i>Allocareproctus jordani</i>	cherry snailfish	22260	<i>Rhinoliparis</i> sp.	
22218	<i>Allocareproctus tanix</i>	peach snailfish	22261	<i>Rhinoliparis barbulifer</i>	longnose snailfish
22219	<i>Careproctus</i> sp.		22262	<i>Rhinoliparis attenuatus</i>	slim snailfish
22220	<i>Careproctus melanurus</i>	blacktail snailfish		<i>Prognatholiparis</i>	
22221	<i>Careproctus curilanus</i>	Kuril snailfish	22263	<i>ptychomandibularis</i>	wrinkle-jaw snailfish
22222	<i>Careproctus bowersianus</i>	Bowers Bank snailfish	22264	<i>Lopholiparis flerxi</i>	hardhead snailfish
22223	<i>Careproctus simus</i>	proboscis snailfish	22265	<i>Liparis marmoratus</i>	festive snailfish
22224	<i>Careproctus ectenes</i>	shovelhead snailfish	22270	<i>Allocareproctus</i> sp.	
22225	<i>Careproctus canus</i>	gray snailfish	22271	<i>Acantholiparis opercularis</i>	spiny snailfish
22226	<i>Careproctus phasma</i>	monster snailfish	22272	<i>Allocareproctus kallaion</i>	combed snailfish
22227	<i>Careproctus nelsoni</i>	saddleback snailfish	22273	<i>Allocareproctus ungak</i>	whiskered snailfish
22228	<i>Careproctus cypselurus</i>	blackfin snailfish	22274	<i>Allocareproctus unangas</i>	goldeneye snailfish
22229	<i>Careproctus furcellus</i>	emarginate snailfish	22275	<i>Careproctus faunus</i>	mischievous snailfish
22230	<i>Careproctus abbreviatus</i>	short snailfish		<i>Paraliparis</i> sp. cf. <i>dactylosus</i>	
22231	<i>Paraliparis ulochir</i>	broadfin snailfish	22276	(Orr and Baldwin)	bluntnose snailfish
22232	<i>Careproctus scottae</i>	peachskin snailfish		<i>Paraliparis</i> sp. cf. <i>ulochir</i>	
22233	<i>Careproctus gilberti</i>	smalldisk snailfish	22277	(Orr and Baldwin)	
	<i>Careproctus</i> sp. cf. <i>gilberti</i>			<i>Paraliparis</i> sp. cf. <i>grandis</i>	
22234	(Orr)	dominator snailfish	22278	(Orr and Baldwin)	surly snailfish
			22279	<i>Paraliparis adustus</i>	brown snailfish
			22280	<i>Paraliparis bullacephalus</i>	bubblehead snailfish

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22281	<i>Paraliparis grandis</i>	grand snailfish		<i>Protomyctophum</i>	
	<i>Paraliparis</i> sp. cf. <i>pectoralis</i>		22649	<i>thompsoni</i>	northern flashlightfish
22282	(Orr and Baldwin)	rusty snailfish	22650	<i>Tarletonbeania</i> sp.	
22283	<i>Paraliparis penicillus</i>	comet snailfish	22651	<i>Tarletonbeania crenularis</i>	blue lanternfish
22284	<i>Paraliparis holomelas</i>	ebony snailfish		<i>Symbolophorus</i>	
22285	<i>Paraliparis albeolus</i>	white snailfish	22656	<i>californiensis</i>	California lanternfish
22286	<i>Paraliparis mento</i>		22701	Nemichthyidae	snipe eel unid.
22300	Melamphaidae	bigscale unid.	22702	<i>Nemichthys scolopaceus</i>	slender snipe eel
	<i>Poromitra curilensis</i>		22703	<i>Avocettina</i> sp.	
22310	(= <i>crassiceps</i>)	crested bigscale	22704	<i>Avocettina infans</i>	blackline snipe eel
22311	<i>Poromitra cristiceps</i>		22705	<i>Nemichthys larseni</i>	pale snipe eel
22320	<i>Melamphaes lugubris</i>	highsnout bigscale	22721	<i>Serrivomer sector</i>	sawtooth eel
22321	<i>Scopeloberyx robustus</i>	longjaw bigscale	22750	Linophrynidae	
22390	<i>Allocyttus folletti</i>	oxeye oreo	22800	Notacanthidae	spiny eel unid.
22400	Melanostomiinae	scaleless dragonfish unid.		<i>Polyacanthonotus</i>	
22401	<i>Flagellostomias boureei</i>		22810	<i>challengeri</i>	
22410	<i>Tactostoma macropus</i>	longfin dragonfish	22815	<i>Notacanthus chemnitzii</i>	snubnosed spiny eel
22420	<i>Bathophilus flemingi</i>	highfin dragonfish	22900	Oneirodidae	dreamer unid.
22450	<i>Borostomias panamensis</i>		22901	<i>Bertella idiomorpha</i>	
22461	<i>Caristius macropus</i>	manefish	22912	<i>Oneirodes</i> sp.	
22500	<i>Merluccius productus</i>	Pacific hake	22913	<i>Oneirodes acanthias</i>	spiny dreamer
	<i>Merluccius productus</i>		22914	<i>Oneirodes bulbosus</i>	hairy-lure dreamer
22501	(juvenile)	Pacific hake (juvenile)	22915	<i>Oneirodes thompsoni</i>	
	<i>Merluccius productus</i>		22917	<i>Chaenophryne longiceps</i>	
22502	(adult)	Pacific hake (adult)		<i>Chaenophryne</i>	
22570	<i>Anotopterus nikparini</i>	North Pacific daggertooth	22918	<i>melanorhabdus</i>	
22582	<i>Mola mola</i>	ocean sunfish	22919	<i>Chaenophryne draco</i>	smooth dreamer
22595	<i>Scopelengys tristis</i>	blackchin	22920	<i>Gigantactis vanhoeffeni</i>	whipnose
22600	Myctophidae	lanternfish unid.	22921	<i>Gigantactis microdontis</i>	
22601	<i>Stenobranchius</i> sp.		22924	<i>Caulophryne jordani</i>	fanfin angler
22602	<i>Stenobranchius leucopsarus</i>	northern lampfish	22925	<i>Caulophryne pelagica</i>	
22603	<i>Stenobranchius nannochir</i>	garnet lampfish	22951	Paralepididae	barracudina unid.
22609	<i>Diaphus</i> sp.		22952	<i>Magnisudis atlantica</i>	duckbill barracudina
22610	<i>Diaphus theta</i>	California headlightfish	22955	<i>Lestidiops ringens</i>	slender barracudina
22620	<i>Lampanyctus</i> sp.		22956	<i>Arctozenus risso</i>	ribbon barracudina
22623	<i>Nannobranchium ritteri</i>	broadfin lanternfish	23000	Osmeridae	smelt unid.
22624	<i>Nannobranchium regale</i>	pinpoint lampfish	23010	<i>Thaleichthys pacificus</i>	eulachon
22625	<i>Lampanyctus jordani</i>	brokenline lampfish	23020	<i>Hypomesus pretiosus</i>	surf smelt
22626	<i>Nannobranchium</i> sp.		23030	<i>Allosmerus elongatus</i>	whitebait smelt
22627	<i>Nannobranchium nigrum</i>	black lanternfish	23041	<i>Mallotus villosus</i>	capelin
22630	<i>Ceratoscopelus townsendi</i>		23055	<i>Osmerus mordax</i>	rainbow smelt
22640	<i>Hygophum reinhardtii</i>	slender lanternfish	23060	<i>Spirinchus starksi</i>	night smelt
22642	<i>Notoscopelus resplendens</i>	patchwork lampfish	23061	<i>Spirinchus thaleichthys</i>	longfin smelt
22647	<i>Protomyctophum crockeri</i>	California flashlightfish	23071	<i>Hypomesus olidus</i>	pond smelt
22648	<i>Protomyctophum</i> sp.		23201	Salmonidae	salmon and trouts unid.

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23202	<i>Oncorhynchus</i> sp.	salmon unid.	23843	<i>Chirolophis snyderi</i>	bearded warbonnet
23220	<i>Oncorhynchus tshawytscha</i>	chinook salmon	23844	<i>Chirolophis tarsodes</i>	matcheck warbonnet
23225	<i>Oncorhynchus kisutch</i>	coho salmon	23850	<i>Poroclinus rothrocki</i>	whitebarred prickleback
23230	<i>Oncorhynchus gorbuscha</i>	pink salmon	23851	<i>Chirolophis nugator</i>	mosshead warbonnet
23235	<i>Oncorhynchus keta</i>	chum salmon	23861	<i>Bryozoichthys lysimus</i>	nutcracker prickleback
23240	<i>Oncorhynchus nerka</i>	sockeye salmon	23862	<i>Bryozoichthys marjorius</i>	pearly prickleback
23250	<i>Salvelinus alpinus</i>	Arctic char	23863	<i>Bryozoichthys</i> sp.	
23252	<i>Salvelinus malma</i>	Dolly Varden	23865	<i>Anoplarchus purpureescens</i>	high cockscomb
23260	<i>Oncorhynchus mykiss</i>	steelhead	23866	<i>Anoplarchus insignis</i>	slender cockscomb
23310	<i>Coregonus laurettae</i>	Bering cisco	23871	Pholidae	gunnel unid.
23402	<i>Genyonemus lineatus</i>	white croaker	23872	<i>Pholis</i> sp.	
23500	Scombridae	mackerel unid.	23873	<i>Pholis laeta</i>	crescent gunnel
23524	<i>Scomber japonicus</i>	chub mackerel	23900	Stromateidae	butterfish unid.
23562	<i>Cololabis saira</i>	Pacific saury	23911	<i>Peprilus simillimus</i>	Pacific pompano
23590	<i>Neoscopelus macrolepidotus</i>	glowingfish	23915	<i>Icichthys lockingtoni</i>	medusafish
23602	<i>Benthalbella</i> sp.		23932	<i>Trachipterus altivelis</i>	king-of-the-salmon
23603	<i>Benthalbella dentata</i>	northern pearleye	23933	<i>Desmodema lorum</i>	whiptail ribbonfish
23620	<i>Scopelosaurus harryi</i>	scaly paperbone	23940	Trichiuridae	
23621	<i>Scopelosaurus</i> sp.		23942	<i>Benthodesmus pacificus</i>	North Pacific frostfish
23622	<i>Scopelosaurus adleri</i>	Adler waryfish	23943	<i>Benthodesmus</i> sp.	
23657	<i>Alepisaurus ferox</i>	longnose lancetfish	23944	<i>Aphanopus arigato</i>	Pacific black scabbardfish
23700	Platyroctidae	tubeshoulder unid.	23945	<i>Lepidopus fitchi</i>	scabbardfish
23709	<i>Mentodus eubranchus</i>		23950	Anguilliformes	eel unid.
23710	<i>Sagamichthys abei</i>	shining tubeshoulder	23952		leptocephalus unid.
23711	<i>Holtbyrnia</i> sp.		23958	Opisthoproctidae	spookfish unid.
23712	<i>Holtbyrnia innesi</i>	lanternjaw tubeshoulder	23960	<i>Dolichopteryx</i> sp.	
23720	<i>Mirorictus taningi</i>	striped tubeshoulder	23961	<i>Dolichopteryx longipes</i>	brownsnout spookfish
23791	<i>Cryptacanthodes aleutensis</i>	dwarf wrymouth	23962	<i>Macropinna microstoma</i>	barreleye
23792	<i>Cryptacanthodes giganteus</i>	giant wrymouth	23963	<i>Bathylchnops</i> sp.	
23800	Stichaeidae	prickleback unid.	23964	<i>Bathylchnops exilis</i>	javelin spookfish
23801	<i>Lumpenus</i> sp.		23970	<i>Gigantura indica</i>	
23802	<i>Plectobranchnus evides</i>	bluebarred prickleback	24001	<i>Zaprora silenus</i>	prowfish
23803	<i>Eumesogrammus praecisus</i>	fourline snakeblenny	24100	Zoarcidae	eelpout unid.
23804	<i>Stichaeus punctatus</i>	Arctic shanny		<i>Bothrocara</i> sp. cf. <i>brunneum</i>	
23805	<i>Leptoclinus maculatus</i>	daubed shanny	24109	group	
23806	<i>Anisarchus medius</i>	stout eelblenny	24110	<i>Bothrocara brunneum</i>	twoline eelpout
23807	<i>Lumpenus fabricii</i>	slender eelblenny	24111	<i>Bothrocara pusillum</i>	Alaska eelpout
23808	<i>Lumpenus sagitta</i>	snake prickleback	24112	<i>Bothrocara zestum</i>	western eelpout
23809	<i>Acantholumpenus mackayi</i>	pighead prickleback	24114	<i>Bothrocara nyx</i>	shadow eelpout
23836	<i>Lumpenella longirostris</i>	longsnout prickleback	24115	<i>Bothrocara hollandi</i>	Japan-sea eelpout
23840	<i>Chirolophis</i> sp.			<i>Bothrocara brunneum</i>	
23841	<i>Chirolophis decoratus</i>	decorated warbonnet	24116	(juvenile)	twoline eelpout (juvenile)
			24120	<i>Bothrocara molle</i>	soft eelpout
			24130	<i>Lycenchelys crotalinus</i>	snakehead eelpout

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24140	<i>Lycodes cortezianus</i>	bigfin eelpout	25120	<i>Acipenser medirostris</i>	green sturgeon
24150	<i>Lycenchelys</i> sp.		26050	Malacosteinae	loosejaw unid.
24151	<i>Lycenchelys jordani</i>	shortjaw eelpout	26051	<i>Photonectes margarita</i>	
24152	<i>Lycenchelys camchatica</i>	Kamchatka eelpout	26053	<i>Aristostomias scintillans</i>	shining loosejaw
24153	<i>Lycenchelys ratmanovi</i>		26060	<i>Neonesthes capensis</i>	
24158	<i>Lycodapus endemoscotus</i>	deepwater eelpout	27020	<i>Lampris guttatus</i>	opah
24160	<i>Lycodapus fierasfer</i>	blackmouth eelpout	27028	<i>Stylephorus chordatus</i>	tube-eye
24165	<i>Lycodapus dermatinus</i>	looseskin eelpout	27050	Synodontidae	lizardfish unid.
24166	<i>Lycodapus psarostomatus</i>	specklemouth eelpout	27051	<i>Synodus lucioceps</i>	California lizardfish
24167	<i>Lycodapus pachysoma</i>	stout eelpout	28001	<i>Facciolella gilbertii</i>	dogface witch-eel
24170	<i>Lycodapus mandibularis</i>	pallid eelpout	28002	<i>Venefica</i> sp.	whipsnout eels
24180	<i>Lycodes</i> sp.		28532	<i>Howella sherborni</i>	Sherborn cardinalfish
24181	<i>Lycodes rossi</i>	threespot eelpout	28533	<i>Howella brodiei</i>	pelagic basslet
24182	<i>Lycodes soldatovi</i>	dipline eelpout			North Pacific pelagic armorhead
24183	<i>Lycodes akuugun</i>	bicolor eelpout	28700	<i>Pseudopentaceros wheeleri</i>	
24184	<i>Lycodes raridens</i>	marbled eelpout	29990	<i>Eurypharynx pelecanoides</i>	umbrellamouth gulper
24185	<i>Lycodes palearis</i>	wattled eelpout	29996	<i>Saccopharynx</i> sp.	
24186	<i>Lycodes mucosus</i>	saddled eelpout	29997	<i>Saccopharynx lavenbergi</i>	
24187	<i>Lycodes concolor</i>	ebony eelpout	29999		roundfish unid.
24188	<i>Lycodes polaris</i>	Canadian eelpout			scorpionfish and rockfish unid.
24189	<i>Lycodes turneri</i>	polar eelpout	30000	Scorpaenidae	
24190	<i>Lycodes diapterus</i>	black eelpout	30010	<i>Sebastolobus</i> sp.	thornyhead unid.
24191	<i>Lycodes brevipes</i>	shortfin eelpout	30020	<i>Sebastolobus alascanus</i>	shortspine thornyhead
24192	<i>Gymnelus viridis</i>	fish doctor	30025	<i>Sebastolobus macrochir</i>	broadfin thornyhead
24193	<i>Gymnelus</i> sp.		30030	<i>Sebastolobus altivelis</i>	longspine thornyhead
24194	<i>Gymnelus hemifasciatus</i>	halfbarred eelpout	30035	<i>Adelosebastes latens</i>	Aleutian scorpionfish
24195	<i>Lycodes beringi</i>	Bering eelpout	30040	<i>Sebastes</i> sp.	rockfish unid.
24196	<i>Lycodes seminudus</i>	longear eelpout	30045	<i>Sebastes umbrosus</i>	honeycomb rockfish
24197	<i>Lycodes reticulatus</i>	Arctic eelpout	30050		roughey and blackspotted rockfish unid.
24200	<i>Lycodes pacificus</i>	blackbelly eelpout	30051	<i>Sebastes aleutianus</i>	roughey rockfish
24220	<i>Bothrocara</i> sp.		30052	<i>Sebastes melanostictus</i>	blackspotted rockfish
24221	<i>Pachycara lepinium</i>	scalynape eelpout	30060	<i>Sebastes alutus</i>	Pacific ocean perch
24230	<i>Lycodapus</i> sp.		30070	<i>Sebastes atrovirens</i>	kelp rockfish
24231	<i>Lycodapus poecilus</i>	variform eelpout	30080	<i>Sebastes auriculatus</i>	brown rockfish
24232	<i>Lycodapus parviceps</i>	smallhead eelpout	30090	<i>Sebastes aurora</i>	aurora rockfish
24233	<i>Lycodapus grossidens</i>	bigtooth eelpout	30100	<i>Sebastes brevispinis</i>	silvergray rockfish
24234	<i>Lycodapus leptus</i>	slender eelpout	30110	<i>Sebastes carnatus</i>	gopher rockfish
24240	<i>Lycodema barbatum</i>	bearded eelpout	30120	<i>Sebastes caurinus</i>	copper rockfish
24393	<i>Melanostigma pammelas</i>	midwater eelpout	30130	<i>Sebastes chlorostictus</i>	greenspotted rockfish
24394	<i>Puzanovia rubra</i>	coral eelpout	30150		dusky and dark rockfishes unid.
24395	<i>Nalbantichthys elongatus</i>	thinskin eelpout	30151	<i>Sebastes ciliatus</i>	dark rockfish
24404	<i>Gibbonsia metzi</i>	striped kelpfish	30152	<i>Sebastes variabilis</i>	dusky rockfish
25100	Acipenseridae	sturgeon unid.	30155	<i>Sebastes chrysomelas</i>	black and yellow rockfish

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30160	<i>Sebastes constellatus</i>	starry rockfish	30560	<i>Sebastes zacentrus</i>	sharpchin rockfish
30170	<i>Sebastes crameri</i>	darkblotched rockfish	30570	<i>Sebastes phillipsi</i>	chameleon rockfish
30180	<i>Sebastes dalli</i>	calico rockfish	30575	<i>Sebastes rufus</i>	bank rockfish
30185	<i>Sebastes diaconus</i>	deacon rockfish	30576	<i>Sebastes borealis</i>	shortraker rockfish
30190	<i>Sebastes diploproa</i>	splitnose rockfish	30580		black rockfish unid.
30200	<i>Sebastes elongatus</i>	greenstriped rockfish	30590		red rockfish unid.
30210	<i>Sebastes emphaeus</i>	Puget Sound rockfish	30600	<i>Sebastes reedi</i>	yellowmouth rockfish
30220	<i>Sebastes entomelas</i>	widow rockfish	30611	<i>Sebastes rosenblatti</i>	greenblotched rockfish
30230	<i>Sebastes eos</i>	pink rockfish	30620	<i>Sebastes simulator</i>	pinkrose rockfish
30240	<i>Sebastes flavidus</i>	yellowtail rockfish			white spotted red rockfish unid.
30250	<i>Sebastes gilli</i>	bronzespotted rockfish	30630	<i>Sebastes (Sebastomus) sp.</i>	
30255	<i>Sebastes glaucus</i>	gray rockfish	31501	<i>Scorpaena guttata</i>	California scorpionfish
30260	<i>Sebastes goodei</i>	chilipepper	31550	<i>Prionotus stephanophrys</i>	lumptail searobin
30270	<i>Sebastes helvomaculatus</i>	rosethorn rockfish	39100	<i>Eumetopias jubatus</i>	Steller sea lion
30280	<i>Sebastes hopkinsi</i>	squarespot rockfish	40001	Cnidaria	coelenterate unid.
30290	<i>Sebastes jordani</i>	shortbelly rockfish	40008	Campanulariidae	campanulariid hydroid
30295	<i>Sebastes lentiginosus</i>	freckled rockfish	40009	Plumulariidae	plumulariid hydroids
30300	<i>Sebastes levis</i>	cowcod	40010	Hydrozoa	
30315	<i>Sebastes macdonaldi</i>	Mexican rockfish	40011	Hydroidolina	hydroid unid.
30320	<i>Sebastes maliger</i>	quillback rockfish		<i>Bonneviella sp. A (Clark 2006)</i>	champagne flute hydroid
30330	<i>Sebastes melanops</i>	black rockfish	40012		
30340	<i>Sebastes melanostomus</i>	blackgill rockfish	40013	<i>Bonneviella sp.</i>	
30350	<i>Sebastes miniatus</i>	vermilion rockfish	40015		pussywillow hydroid
30360	<i>Sebastes mystinus</i>	blue rockfish	40020	<i>Hydractinia sp.</i>	
30370	<i>Sebastes nebulosus</i>	China rockfish	40028	<i>Aglaophenia sp.</i>	
30380	<i>Sebastes nigrocinctus</i>	tiger rockfish	40034	<i>Abietinaria sp.</i>	
30390	<i>Sebastes ovalis</i>	speckled rockfish	40035	<i>Abietinaria greenei</i>	bushy white hydroid
30400	<i>Sebastes paucispinis</i>	bocaccio		<i>Abietinaria sp. A (Clark 2006)</i>	white tangled hydroid
30410	<i>Sebastes pinniger</i>	canary rockfish	40036		
30420	<i>Sebastes polyspinis</i>	northern rockfish	40040	Tubulariidae	tubulariid hydroids
30430	<i>Sebastes proriger</i>	redstripe rockfish	40049	Sertulariidae	Sertulariid hydroid
30450	<i>Sebastes rastrelliger</i>	grass rockfish	40050	<i>Sertularia robusta</i>	
30460	<i>Sebastes rosaceus</i>	rosy rockfish	40060	<i>Velella velella</i>	by-the-wind sailor
30470	<i>Sebastes ruberrimus</i>	yelloweye rockfish	40061	<i>Neoturris brevicornis</i>	blob-top jelly
30475	<i>Sebastes babcocki</i>	redbanded rockfish	40500	Scyphozoa	jellyfish unid.
30480	<i>Sebastes rubrivinctus</i>	flag rockfish	40501	<i>Chrysaora sp.</i>	chrysaora jellyfish
30490	<i>Sebastes saxicola</i>	stripetail rockfish	40502	<i>Periphylla sp.</i>	
30500	<i>Sebastes semicinctus</i>	halfbanded rockfish	40503	<i>Periphylla periphylla</i>	helmet jelly
30510	<i>Sebastes serranoides</i>	olive rockfish	40504	<i>Chrysaora melanaster</i>	
30525	<i>Sebastes serriceps</i>	tree rockfish	40505	<i>Phacellophora camtschatica</i>	egg yolk jelly
30535	<i>Sebastes variegatus</i>	harlequin rockfish	40506	<i>Aequorea sp.</i>	
30540	<i>Sebastes vexillaris</i>	whitebelly rockfish	40507	<i>Bolinopsis sp.</i>	
30550	<i>Sebastes wilsoni</i>	pygmy rockfish	40508	<i>Polyorchis sp.</i>	
			40509	<i>Phacellophora sp.</i>	

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40510	<i>Atolla</i> sp.		41572	<i>Psammogorgia simplex</i>	
40511	<i>Aurelia</i> sp.		41573	<i>Calcigorgia beringi</i>	Bering red sea fan
40512	<i>Aurelia labiata</i>		41576	<i>Alaskagorgia</i> sp. 1 (Stone)	yellow sea fan
40513	<i>Aurelia aurita</i>		41580	<i>Paragorgia</i> sp.	
40515	<i>Chrysaora fuscescens</i>	sea nettle	41581	Paragorgiidae	
40519	<i>Staurostoma mertensii</i>	whitecross jelly	41582	<i>Paragorgia arborea</i>	Kamchatka coral
40520	<i>Aurelia limbata</i>	brown rimmed jelly	41583	<i>Paragorgia pacifica</i>	
40560	<i>Cyanea</i> sp.		41584	Plexauridae	plexaurid corals
40561	<i>Cyanea capillata</i>	lion's mane	41585	<i>Euplexaura</i> sp.	
41000	Anthozoa		41586	<i>Euplexaura marki</i>	
41099	Octocorallia		41587	<i>Paragorgia nodosa</i>	
41100	Alcyonacea	soft coral unid.	41590	<i>Alaskagorgia</i> sp.	
41102	<i>Alcyonium</i> sp.		41591	<i>Alaskagorgia aleutiana</i>	
41104	<i>Alcyonium</i> sp. A (Clark 2006)	pink orange mushroom coral	41595	<i>Cryogorgia koolsae</i>	
41105	<i>Alcyonium</i> sp. B (Clark 2006)		41600	<i>Callogorgia</i> sp.	
41106	<i>Cavernularia vansyoci</i>	Bob mushroom coral	41601	<i>Callogorgia kinoshitae</i>	
41201	<i>Gersemia</i> sp.	sea raspberry	41605	<i>Parastenella</i> sp. A (Clark 2006)	sugar coral
41220	<i>Gersemia fruticosa</i>		41700	<i>Calcigorgia</i> sp.	
41221	<i>Gersemia rubiformis</i>		41701	<i>Calcigorgia spiculifera</i>	
41300	<i>Anthomastus</i> sp.		41750	<i>Clavularia</i> sp.	
41331	<i>Anthomastus</i> sp. A	red anthomastus		<i>Clavularia</i> sp. cf. <i>evagorgiacrustans</i> (Bayer et al.)	
41332	<i>Anthomastus</i> sp. B	gray Anthomastus	41751		
	<i>Anthomastus</i> sp. cf. <i>japonicus</i> (Bayer et al.)		41752	<i>Clavularia incrustans</i>	encrusting coral
41500	Gorgonacea	gorgonian coral unid.	42000	Pennatulacea	sea whip or sea pen unid.
41510	<i>Ideogorgia</i> sp.		42001	<i>Virgularia</i> sp.	smoothstem seawhip
41519	Primnoidae	primnoid coral unid.	42002	<i>Stylatula elongata</i>	
41520	<i>Primnoa</i> sp.		42003	Virgulariidae	
41521	<i>Primnoa pacifica</i>		42004	<i>Stylatula</i> sp.	slender seawhips
41522	<i>Primnoa willeyi</i>	red tree coral	42005	<i>Stylatula gracile</i>	roughstem seawhip
41523	<i>Primnoa resedaeformis</i>		42006	<i>Balticina</i> sp.	
41525	Antipatharia	black coral	42007	<i>Protoptilum</i> sp.	
41526	<i>Antipathes</i> sp.		42008	<i>Halipterus</i> sp.	
41530	<i>Chrysopathes speciosa</i>		42009	<i>Halipterus</i> sp. A (Stone 2015)	maroon sea whip
41531	<i>Chrysopathes</i> sp.		42010	<i>Halipterus finmarchia</i>	
41540	<i>Bathypathes</i> sp.		42012	<i>Halipterus willemoesi</i>	
41541	<i>Bathypathes patula</i>		42013	<i>Halipterus californica</i>	
41550	<i>Parantipathes</i> sp.		42014	<i>Umbellula lindahli</i>	
41551	<i>Lillipathes lilliei</i>		42015	<i>Umbellula</i> sp.	
41552	<i>Lillipathes</i> sp. A (Clark 2006)		42016	<i>Ptilosarcus</i> sp.	
41553	<i>Lillipathes</i> sp. B (Clark 2006)		42017	<i>Ptilosarcus gurneyi</i>	orange sea pen
41570	<i>Swiftia</i> sp.		42018	Pennatulidae	pennatulid sea pens
41571	<i>Swiftia pacifica</i>		42020	<i>Anthoptilum grandiflorum</i>	

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42021	<i>Anthoptilum murrayi</i>	Murray sea pen	44000	Scleractinia	stony coral unid.
43000	Actiniaria	sea anemone unid.	44004	Caryophylliidae	cup corals
43001	<i>Actinauge verrilli</i>	reticulate anemone	44005	<i>Flabellum</i> sp. A (Clark 2006)	tan trumpet coral
43002	<i>Actinostola faeculenta</i>	rough purple sea anemone	44009	Flabellidae	flabellid trumpet corals
43003	<i>Actinoscyphia</i> sp.		44010	<i>Javania borealis</i>	Aleutian trumpet coral
43004	<i>Paraphelliactis pabista</i>		44011	<i>Javania cailleti</i>	slender trumpet coral
43005	<i>Actinernus</i> sp.		44012	<i>Javania</i> sp.	
43006		purple striated sea anemone	44017	<i>Desmophyllum dianthus</i>	
43007		red striated sea anemone	44019	<i>Crispatotrochus foxi</i>	cup coral
43008	<i>Ptychodactis patula</i>		44020	<i>Caryophyllia</i> sp.	
43009	<i>Corallimorphus</i> sp.		44021	<i>Caryophyllia</i> sp. A	
43010	<i>Metridium</i> sp.		44022	<i>Caryophyllia arnoldi</i>	brown cup coral
43020	<i>Metridium senile</i>	clonal plumose anemone	44023	<i>Caryophyllia alaskensis</i>	Alaska cup coral
43021	<i>Metridium farcimen</i>	gigantic anemone	44028	Stylasteridae	stylasterid corals
43029	<i>Stomphia didemon</i>	cowardly anemone	44029	Stylasterina	hydrocoral unid.
43030	<i>Stomphia</i> sp.		44030	<i>Stylaster</i> sp.	
43032	<i>Stomphia coccinea</i>	swimming anemone	44031	<i>Stylaster verrilli</i>	
43040	<i>Urticina</i> sp.		44032	<i>Stylaster brochi</i>	
43041	<i>Urticina coriacea</i>	leathery anemone	44033	<i>Stylaster cancellatus</i>	
43042	<i>Urticina crassicornis</i>	mottled anemone	44034	<i>Stylaster elassotomus</i>	
43043	<i>Urticina lofotensis</i>	spotted red anemone	44035	<i>Stylaster polyorchis</i>	
43044	<i>Urticina columbiana</i>	crusty red anemone	44036	<i>Crypthelia trophostega</i>	
43045	Zoanthidae sp. A	hot dog zoanthid	44037	<i>Stylaster campylecus</i>	
43050	<i>Oceanactis diomedea</i>	grape anemone	44038	<i>Crypthelia</i> sp.	
43051	<i>Oceanactis</i> sp.		44039	<i>Stylaster moseleyana</i>	
43080	Actiniidae	actinid sea anemones unid.	44040	<i>Cyclohelia lamellata</i>	
43081	<i>Cribrinopsis</i> sp.		44041	<i>Cyclohelia</i> sp.	
43082	<i>Cribrinopsis fernaldi</i>	chevron-tentacled anemone	44042	<i>Errinopora undulata</i>	undulate-fan hydrocoral
43090	<i>Liponema brevicorne</i>	tentacle-shedding anemone	44045	<i>Stylaster alaskanus</i>	
43100	Actinostolidae		44046	<i>Stylaster stejneri</i>	
43110	<i>Actinostola</i> sp.		44047	<i>Stylaster venustus</i>	
43111	<i>Actinostola</i> sp. A (Clark 2006)		44048	<i>Stylaster repandus</i>	undulate hydrocoral
43112	<i>Actinostola</i> sp. B (Clark 2006)		44049	<i>Stylaster parageus</i>	
43113	<i>Actinostola groenlandica</i>		44050	<i>Stylantheca petrograpta</i>	
43115	<i>Sicyonis</i> sp. A (Clark 2006)	orange actinistolid	44051	<i>Stylaster trachystomus</i>	
43121		tumbling anemone	44052	<i>Stenohelia</i> sp.	
43200	Hormathiidae		44053	<i>Stylaster</i> sp. B (Clark 2006)	thick lamellar hydrocoral
43201		pink hormathiid anemone	44060	<i>Distichopora</i> sp.	
43224	<i>Epizoanthus scotinus</i>	orange zooanthid	44061	<i>Distichopora borealis</i>	
43225	<i>Zoanthus</i> sp.		44065	<i>Isidella tentaculum</i>	
			44070	<i>Thouarella trilineata</i>	
			44071	<i>Thouarella</i> sp. 1 (Bayer et al.)	

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44072	<i>Thouarella</i> sp. 2 (Bayer et al.)		44115	<i>Arthrogorgia kinoshitai</i>	
44073	<i>Thouarella</i> sp. 3 (Bayer et al.)		44116	Acanthogorgiidae	
44074	<i>Thouarella</i> sp. 4 (Bayer et al.)		44120	<i>Errinopora fisheri</i>	
44075	<i>Plumarella superba</i>	bushy coral	44121	<i>Errinopora dichotoma</i>	
44076	<i>Errinopora disticha</i>	foliate hydrocoral	44122	<i>Stylaster crassisseptum</i>	
44077	<i>Errinopora</i> sp. B (Clark 2006)	pale-edged hydrocoral	45000	Ctenophora	comb jelly unid.
44078	<i>Errinopora</i> sp. C (Clark 2006)	enigmatic hydrocoral	45005	<i>Beroe</i> sp.	
44079	<i>Errinopora pourtalesi</i>		45010	<i>Beroe abyssicola</i>	
44080	<i>Errinopora zarhyncha</i>		50000	Polychaeta	polychaete worm unid.
44081	<i>Errinopora</i> sp.		50001	Annelida	worm unid.
44082	<i>Errinopora nanneca</i>		50005	<i>Eunice valens</i>	iridescent tubeworm
44083	<i>Plumarella</i> sp.		50010		tube worm unid.
44084	Isididae	bamboo coral unid.	50013	<i>Chaetopterus</i> sp.	parchment tubeworms
44085	<i>Isidella</i> sp.	articulated bamboo coral	50020	<i>Spinther alaskensis</i>	yellow sponge worm
44086	<i>Plumarella</i> sp. 1 (Bayer)	feathery Plumarella	50021	<i>Spinther</i> sp. A (Clark 2006)	pink sponge worm
44087	<i>Thouarella</i> sp.		50050	Ampharetidae	
44088	<i>Keratoisis</i> sp.	nodal bamboo coral unid.	50100	Oweniidae	
44089	<i>Fanellia</i> sp.		50160	Aphroditidae	sea mouse unid.
44090	<i>Fanellia compressa</i>		50161	<i>Aphrodita</i> sp.	
44091	<i>Fanellia fraseri</i>		50190	<i>Aphrodita japonica</i>	
44092	<i>Muriceides nigra</i>		50192	<i>Aphrodita negligens</i>	
44093	<i>Muriceides</i> sp.		50201	<i>Halosydna brevisetosa</i>	eighteen-scaled worm
44094	<i>Amphilaphis</i> sp.		50205	<i>Euphrosine multibranchiata</i>	porcupine worm
44095	<i>Plumarella</i> sp. A	pale Plumarella	50215	<i>Nothria conchylega</i>	gravel tube worm
44096	<i>Plumarella</i> sp. B	pinnate Plumarella	50220	<i>Travisia</i> sp.	
44097	<i>Plumarella nuttingi</i>	loose-branched Plumarella	50221	<i>Travisia pupa</i>	pupa utility worm
44098	<i>Arthrogorgia</i> sp.		50301	<i>Arctonoe vittata</i>	red-banded commensal scale worm
44099	<i>Arthrogorgia utinomi</i>		52715	<i>Glycera</i> sp.	
44100	<i>Acanthogorgia</i> sp.		53700	Nephtyidae	cat worm unid.
44101	<i>Plumarella aleutiana</i>	Aleutian Plumarella	54000	Nereididae	
44102	<i>Plumarella echinata</i>		54010	<i>Nereis</i> sp.	
44103	<i>Plumarella hapala</i>		54015	<i>Amblyosyllis</i> sp.	red and white banded sea nymph
44104	<i>Plumarella</i> sp. D	spiny Plumarella	54030	<i>Cheilonereis cyclurus</i>	
44105	<i>Anthothela grandiflora</i>		55900	Phyllodocidae	
44106	<i>Thouarella cristata</i>	bottlebrush coral	56300	Polynoidae	scale worm unid.
44107	<i>Primnoa wingi</i>		56310	<i>Eunoe</i> sp.	
44108	<i>Primnoa</i> sp. 1 (Clark 2006)		56311	<i>Eunoe nodosa</i>	giant scale worm
44110	<i>Lepidisis</i> sp.		56312	<i>Eunoe depressa</i>	depressed scale worm
44111	<i>Plumarella robusta</i>		56313	<i>Eunoe senta</i>	thorny scaleworm
44114	<i>Arthrogorgia otsukai</i>		56321	<i>Gattyana ciliata</i>	ciliated scale worm
			57000	Sabellidae	sabellid unid.
			57001	<i>Myxicola infundibulum</i>	slime worm

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57409	Serpulidae	serpulid worm		<i>Uschakoviella</i> sp. 1 (Clark 2006)	fuzzy yellow amphipod
57410	<i>Serpula vermicularis</i>		60122		
57411	<i>Serpula columbiana</i>	red trumpet calcareous tubeworm	60130	<i>Melita dentata</i>	
57412	<i>Serpula</i> sp.		60131	<i>Quasimelita formosa</i>	
58000	<i>Pectinaria</i> sp.		60132	<i>Melita</i> sp.	
58001	<i>Cistenides granulata</i>	tusk coneworm	60140	<i>Anonyx</i> sp.	
58500	<i>Brada</i> sp.		60145	<i>Caprella</i> sp.	skeleton shrimps
58501	<i>Sternaspis</i> sp.		60146	<i>Themisto libellula</i>	
58502	<i>Brada sachalina</i>		60147	<i>Themisto</i> sp.	
58503	<i>Brada granulata</i>		60149	Lysianassidae	lysiannassid amphipods
58504	<i>Stylaroides plumosa</i>		60150	<i>Ampelisca macrocephala</i>	
58505	<i>Brada</i> sp. A	rough brada	62000	Isopoda	isopod unid.
58506	<i>Brada</i> sp. B	smooth brada	62001	Arcturidae	
58507	<i>Brada</i> sp. C	slimy brada	62002	<i>Arcturus</i> sp. 2 (Clark 2006)	spiny arcturid
58508	<i>Brada inhabilis</i>		62003	<i>Arcturus longispinis</i>	
58509	<i>Brada villosa</i>		62004	<i>Arcturus</i> sp. 1 (Clark 2006)	spiky arcturid
59000		bristle worm unid.	62005	<i>Arcturus</i> sp.	
59100	Hirudinea	leech unid.	62010	<i>Livoneca</i> sp.	
59110	<i>Notostomum</i> sp.		62012	Idoteidae	
59111	<i>Notostomum cyclostomum</i>	striped sea leech	62015	<i>Gnorimosphaeroma</i> sp.	pill bug isopod
59120	<i>Notostomobdella</i> sp.		62020	<i>Saduria entomon</i>	
60001	Crustacea	crustacean unid.	62021	<i>Synidotea</i> sp.	gravel isopod
60100	Amphipoda	amphipod unid.	62022	<i>Synidotea bicuspidata</i>	
60101	<i>Iphinoe</i> sp.		62025	<i>Rocinela angustata</i>	sea cockroach
60102	<i>Ampelisca</i> sp.		62050	<i>Anuropus bathypelagica</i>	giant isopod
60104	<i>Eusirus</i> sp.		63000	Cumacea	cumacean unid.
60105	<i>Eusirus cuspidatus</i>	speckled amphipod	63100	<i>Diastylis</i> sp.	
60106	<i>Epimeria</i> sp.	armored amphipod	63101	<i>Diastylis alaskensis</i>	Alaskan cumacean
60107	<i>Stegocephalus inflatus</i>	smooth northern amphipod	63102	<i>Diastylis dalli</i>	
60108	<i>Stegocephalus</i> sp.		63500	Euphausiacea	euphausiid unid.
60109	<i>Anonyx nugax</i>	riddick amphipod	63501	<i>Thysanoessa</i> sp.	
60110	Gammaridae	gammarid amphipod unid.	64000	Mysida	opossum shrimps
60111	<i>Rhachotropis</i> sp.		64010	<i>Neognathophausia</i> sp.	
60112	<i>Rhachotropis aculeata</i>		64011	<i>Neognathophausia gigas</i>	giant red mysid
60113		red-spotted amphipod	64012	<i>Neognathophausia ingens</i>	red mysid
60114	<i>Stegocephalus ampulla</i>		64100	Mysidae	
60115	<i>Arctolembos arcticus</i>		64101	<i>Neomysis awatschensis</i>	
60116	<i>Paramphithoe polyacantha</i>	bladed amphipod	64500	Copepoda	copepod unid.
60117	<i>Paramphithoe</i> sp.		65000	Cirripedia	
60118	<i>Nototropis</i> sp.		65100	Thoracica	barnacle unid.
60120	<i>Uschakoviella</i> sp.		65101	<i>Lepas</i> sp.	pelagic gooseneck barnacle
60121	<i>Uschakoviella echinophora</i>	fuzzy pink amphipod	65102	<i>Litoscalpellum ursum</i>	
			65201	<i>Balanus</i> sp.	

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65202	<i>Balanus balanus</i>		66164	<i>Spirontocaris phippisii</i>	punctate blade shrimp
65203	<i>Chirona evermanni</i>	giant barnacle	66165	<i>Spirontocaris snyderi</i>	
65204	<i>Balanus hesperius</i>	crab barnacle	66166	<i>Spirontocaris spinus</i>	parrot shrimp
65205	<i>Balanus rostratus</i>	beaked barnacle		<i>Spirontocaris</i> sp. cf.	
65206	<i>Balanus nubilus</i>		66167	<i>lamellicornis</i>	
65207	<i>Balanus crenatus</i>		66168	<i>Spirontocaris ochotensis</i>	oval blade shrimp
65208	<i>Semibalanus cariosus</i>	thatched barnacle	66169	<i>Spirontocaris intermedia</i>	
65209	<i>Scalpellum</i> sp.		66170	<i>Eualus</i> sp.	
65210	<i>Scalpellum cornutum</i>	eared barnacle	66171	<i>Eualus barbatus</i>	barbed eualid
	<i>Hamatoscalpellum</i>		66172	<i>Eualus avinus</i>	beaked eualid
65211	<i>columbianum</i>	Columbian barnacle	66173	<i>Eualus townsendi</i>	Townsend eualid
66000		shrimp unid.	66174	<i>Eualus fabricii</i>	Arctic eualid
66003	Sergestidae	sergestid shrimp unid.	66175	<i>Eualus gaimardii</i>	circumpolar eualid
66004	<i>Sergestes</i> sp.		66176	<i>Eualus butleri</i>	sponge eualid
66005	<i>Eusergestes similis</i>	Pacific sergestid	66177	<i>Eualus pusiolus</i>	doll eualid
66009	<i>Sicyonia ingentis</i>	ridgeback rock shrimp	66179	<i>Eualus macilentus</i>	Greenland shrimp
66019	Pandalidae	pandalid shrimp unid.	66180	<i>Eualus macrophthalmus</i>	bigeye eualid
66020	<i>Pandalus</i> sp.		66190	<i>Eualus biunguis</i>	deepsea eualid
66025	<i>Pandalus danae</i>	dock shrimp	66192	<i>Eualus stoneyi</i>	
66030	<i>Pandalus jordani</i>	ocean shrimp	66193	<i>Eualus suckleyi</i>	shortscale eualid
66031	<i>Pandalus eous</i>	Alaskan pink shrimp	66195	<i>Spirontocaris holmesi</i>	slender bladed shrimp
66032	<i>Heptacarpus maxillipes</i>	Aleutian coastal shrimp	66200	<i>Lebbeus</i> sp.	
66033	<i>Pandalus tridens</i>	yellowleg pandalid	66201	<i>Lebbeus grandimana</i>	candy stripe shrimp
	<i>Pandalus</i> sp. cf. <i>tridens</i>		66202	<i>Lebbeus acudactylus</i>	false candy-stripe shrimp
66034	(CAS)		66203	<i>Lebbeus groenlandicus</i>	spiny lebbeid
66040	<i>Pandalus platyceros</i>	spot shrimp	66204	<i>Lebbeus polaris</i>	
66045	<i>Pandalus goniurus</i>	humpy shrimp	66205	<i>Lebbeus mundus</i>	cleaner lebbeid
66050	<i>Pandalus hypsinotus</i>	coonstripe shrimp	66206	<i>Lebbeus washingtonianus</i>	slope lebbeid
66055	<i>Pandalus stenolepis</i>	roughpatch shrimp	66301	<i>Heptacarpus</i> sp.	
66059	<i>Pandalopsis</i> sp.		66302	<i>Heptacarpus flexus</i>	slenderbeak coastal shrimp
66060	<i>Pandalopsis aleutica</i>	Aleutian bigeye	66303	<i>Heptacarpus moseri</i>	Alaska coastal shrimp
66061	<i>Pandalopsis longirostris</i>	northern longbeak	66304	<i>Heptacarpus stylus</i>	stiletto coastal shrimp
	<i>Pandalopsis</i> sp. cf.		66305	<i>Heptacarpus tenuissimus</i>	slender coastal shrimp
66062	<i>lamelligera</i>		66306	<i>Heptacarpus camtschaticus</i>	northern coastal shrimp
66120	<i>Pandalopsis dispar</i>	sidestripe shrimp	66500	Crangonidae	crangonid shrimp unid.
66130	<i>Pandalopsis ampla</i>	stripeleg pandalid	66502	<i>Crangon</i> sp.	
66140	Penaeidae	penaeid shrimp unid.	66509	<i>Crangon alba</i>	stout Crangon
66145	Caridea	caridid shrimp unid.	66510	<i>Crangon abyssorum</i>	abyssal Crangon
66150	Hippolytidae	hippolytid shrimp unid.	66512	<i>Crangon alaskensis</i>	shell shrimp
66159	<i>Spirontocaris murdochi</i>	Murdoch blade shrimp	66515	<i>Crangon communis</i>	twospine Crangon
66160	<i>Spirontocaris</i> sp.			<i>Crangon</i> sp. cf. <i>communis</i>	
66161	<i>Spirontocaris arcuata</i>	Rathbun blade shrimp	66516	(CAS)	
66162	<i>Spirontocaris prionota</i>	deep-bladed shrimp	66517	<i>Crangon franciscorum</i>	California bay shrimp
66163	<i>Spirontocaris lamellicornis</i>	Dana blade shrimp	66520	<i>Crangon resima</i>	

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66530	<i>Crangon dalli</i>	ridged Crangon	68040	<i>Cancer oregonensis</i>	Oregon rock crab
66533	<i>Metacrangon</i> sp.		68050	<i>Cancer productus</i>	red rock crab
66534	<i>Metacrangon munita</i>	coastal spinyhead	68060	<i>Cancer gracilis</i>	graceful rock crab
66535	<i>Metacrangon variabilis</i>	deepsea spinyhead	68065	Xanthidae	
66536	<i>Mesocrangon intermedia</i>	northern spinyhead	68072	<i>Pinnixa occidentalis</i>	pea crab
66546	<i>Lissocrangon stylirostris</i>	smooth Crangon	68100	<i>Mursia gaudichaudii</i>	
66548	<i>Crangon septemspinosa</i>	sevenspine bay shrimp	68500	Majidae	spider crabs unid.
66550	<i>Crangon nigricauda</i>	blacktail bay shrimp	68501	<i>Oregonia</i> sp.	
66570	<i>Argis</i> sp.		68502	<i>Oregonia bifurca</i>	split-nose decorator crab
66575	<i>Argis alaskensis</i>	common argid	68510	<i>Oregonia gracilis</i>	graceful decorator crab
66580	<i>Argis dentata</i>	Arctic argid	68511	<i>Macroregonia macrochira</i>	giant spider crab
66600	<i>Sclerocrangon</i> sp.		68515	<i>Loxorhynchus crispatus</i>	spider crab
66601	<i>Sclerocrangon boreas</i>	sculptured shrimp	68520	<i>Chorilia longipes</i>	longhorned decorator crab
66602	<i>Rhynocrangon alata</i>	saddleback shrimp	68521	<i>Chorilia</i> sp.	
66604	<i>Rhynocrangon sharpi</i>	spiked shrimp	68541	<i>Chionoecetes</i> sp.	Tanner crab unid.
66605	<i>Sabinea septemcarinata</i>		68550	<i>Chionoecetes tanneri</i>	grooved Tanner crab
66606	<i>Rhynocrangon</i> sp.		68560	<i>Chionoecetes bairdi</i>	Tanner crab
66611	<i>Argis lar</i>	kuro argid	68570	<i>Chionoecetes angulatus</i>	triangle Tanner crab
66612	<i>Argis crassa</i>	rough argid	68575	<i>Chionoecetes japonicus</i>	Japanese Tanner crab
66613	<i>Argis levior</i>	Nelson argid	68577	<i>Hyas coarctatus</i>	circumboreal toad crab
66614	<i>Argis ovifer</i>	split-eye argid	68578	<i>Hyas lyratus</i>	Pacific lyre crab
66615	<i>Paracrangon echinata</i>	horned shrimp	68580	<i>Chionoecetes opilio</i>	snow crab
66616	<i>Argis</i> sp. cf. <i>ovifer</i> (CAS)		68590	<i>Chionoecetes hybrid</i>	hybrid Tanner crab
66617	<i>Argis</i> sp. cf. <i>crassa</i> (CAS)		68781	<i>Telmessus cheiragonus</i>	helmet crab
66618	<i>Paracrangon</i> sp.		69000	Anomura	
66750	Pasiphaeidae	pasiphaeid shrimp unid.	69010	Paguridae	hermit crab unid.
66761	<i>Parapasiphae sulcatifrons</i>	grooved-back shrimp	69011	<i>Discorsopagurus schmitti</i>	
66770	<i>Pasiphaea pacifica</i>	Pacific glass shrimp	69013	<i>Paguristes turgidus</i>	
66772	<i>Pasiphaea tarda</i>	crimson pasiphaeid	69035	<i>Pagurus</i> sp.	
66810	Oplophoridae	oplophorid shrimps	69041	<i>Pagurus armatus</i>	blackeyed hermit
66814	<i>Notostomus</i> sp.		69042	<i>Pagurus brandti</i>	sponge hermit
66815	<i>Notostomus japonicus</i>	spinyridge shrimp	69050	<i>Pagurus townsendi</i>	Townsend hermit crab
66839	<i>Hymenodora</i> sp.		69060	<i>Pagurus aleuticus</i>	Aleutian hermit
66840	<i>Hymenodora frontalis</i>	Pacific ambereye	69061	<i>Labidochirus splendescens</i>	splendid hermit
66841	<i>Bentheogennema borealis</i>		69070	<i>Pagurus confragosus</i>	knobbyhand hermit
66860	<i>Acanthephyra</i> sp.		69071	<i>Pagurus caurinus</i>	greenmark hermit
66865	<i>Acanthephyra curtirostris</i>	peaked shrimp	69072	<i>Pagurus granosimanus</i>	grainyhand hermit
66875	<i>Systellaspis braueri</i>	Quale spinytail	69073	<i>Pagurus hemphilli</i>	maroon hermit
68000		crab unid.	69074	<i>Pagurus hirsutiusculus</i>	true hairy hermit
68010	<i>Cancer</i> sp.	cancer crab unid.	69075	<i>Pagurus samuelis</i>	bluehand hermit
68011	<i>Cancer branneri</i>	furrowed rock crab	69080	<i>Pagurus cornutus</i>	hornyhand hermit
68012	<i>Cancer anthonyi</i>	yellow cancer crab	69082	<i>Pagurus dalli</i>	whiteknee hermit
68020	<i>Cancer magister</i>	Dungeness crab	69085	<i>Pagurus kennerlyi</i>	bluespine hermit

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69086	<i>Pagurus trigonocheirus</i>	fuzzy hermit crab	69332	<i>Paralomis</i> sp. A (Clark 2006)	spiny spider crab
69087	<i>Pagurus beringanus</i>	Bering hermit	69333	<i>Paralomis</i> sp. B (Clark 2006)	short spine spider crab
69090	<i>Pagurus ochotensis</i>	Alaskan hermit	69334	<i>Paralomis manningi</i>	
69094	<i>Pagurus quaylei</i>		69335	<i>Paralomis multispina</i>	many spine spider crab
69095	<i>Pagurus rathbuni</i>	longfinger hermit	69336	<i>Placetron wosnessenskii</i>	scaled crab
69096	<i>Pagurus stevensae</i>	Stevens hermit crab	69341	<i>Neolithodes diomedea</i>	
69097	<i>Pagurus setosus</i>	setose hermit	69400	<i>Erimacrus isenbeckii</i>	horsehair crab
69098	<i>Pagurus undosus</i>	Priblof hermit	69401	<i>Erimacrus</i> sp.	
69100	<i>Pagurus tanneri</i>	longhand hermit	69520	<i>Hyas</i> sp.	
69110	<i>Elassochirus tenuimanus</i>	widehand hermit crab	69530	<i>Pugettia</i> sp.	kelp crab
69120	<i>Pagurus capillatus</i>	hairy hermit crab	69531	<i>Pugettia gracilis</i>	graceful kelp crab
69121	<i>Elassochirus cavimanus</i>	purple hermit	69532	<i>Pugettia producta</i>	
69122	<i>Elassochirus gilli</i>	Pacific red hermit	69540	<i>Scyra acutifrons</i>	
69123	<i>Elassochirus</i> sp.		69550	Galatheidae	galatheid crab unid.
69199	<i>Parapagurus</i> sp.		69551	<i>Munidopsis verrilli</i>	Verrill pinch bug
69200	<i>Parapagurus pliosimanus</i>		69552	<i>Munidopsis</i> sp.	
69250	Lithodidae	stone crab unid.	69553	<i>Munidopsis quadrata</i>	long-armed pinch bug
69260	<i>Lopholithodes</i> sp.	box crab unid.	69554	<i>Chirostylus</i> sp.	
69270	<i>Lopholithodes foraminatus</i>	brown box crab	69555	<i>Gastroptychus iaspis</i>	thorny pinch bug
69280	<i>Lopholithodes mandtii</i>	red box crab	69556	<i>Munida quadrispina</i>	pinchbug
69284	<i>Acantholithodes</i> sp.		69557	Albuneidae	mole crab
69285	<i>Acantholithodes hispidus</i>	fuzzy crab	69559	<i>Polycheles</i> sp.	
69290	<i>Lithodes</i> sp.		69560	<i>Stereomastis sculpta</i>	deep-sea lobster
69300	<i>Lithodes couesi</i>	scarlet king crab	69642	<i>Calastacus investigatoris</i>	
69310	<i>Lithodes aequispinus</i>	golden king crab	69650	<i>Callianassa</i> sp.	
69312	<i>Dermaturus mandtii</i>	wrinkled crab	69651	<i>Neotrypaea gigas</i>	giant ghost shrimp
69314	<i>Hapalogaster mertensii</i>		69652	<i>Callianassa goniophthalma</i>	
69315	<i>Hapalogaster</i> sp.		69653	<i>Callianassa californiensis</i>	ghost shrimp
69316	<i>Hapalogaster grebnitzkii</i>	soft crab	69655	<i>Upogebia pugettensis</i>	blue mud shrimp
69317	<i>Rhinolithodes wosnessenskii</i>	rhinoceros crab	69900	Pycnogonida	sea spider unid.
69318	<i>Phyllolithodes papillosus</i>	flatspine triangle crab	69905	<i>Hedgpethia</i> sp.	
69319	<i>Phyllolithodes</i> sp.		69910	<i>Colossendeis</i> sp.	
69320	<i>Paralithodes brevipes</i>	Hanasaki king crab	69911	<i>Colossendeis dofleini</i>	
69321	<i>Paralithodes</i> sp.		69912	<i>Colossendeis microsetosa</i>	
69322	<i>Paralithodes camtschaticus</i>	red king crab	69920	<i>Nymphon</i> sp.	
69323	<i>Paralithodes platypus</i>	blue king crab	69930	<i>Pycnogonum</i> sp.	
69325	<i>Paralithodes californiensis</i>	California king crab	70000	Mollusca	mollusk unid.
69326	<i>Paralithodes rathbuni</i>		70049	Aplacophora	
69327	<i>Cryptolithodes sitchensis</i>	umbrella crab	70050	Neomeniomorpha	solenogaster unidentified
69328	<i>Cryptolithodes typicus</i>	butterfly crab	70060	<i>Neomenia</i> sp.	
69329	<i>Cryptolithodes</i> sp.		70061	<i>Neomenia efgamatoi</i>	
69330	<i>Paralomis</i> sp.			<i>Neomenia cf. yamamotoi</i>	
69331	<i>Paralomis verrilli</i>		70062	(Clark 2006)	

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70100	Polyplacophora	chiton unid.	71022	<i>Dendronotus subramosus</i>	stubby frond-aeolis
70108	<i>Cryptochiton stelleri</i>	giant Pacific chiton	71023	<i>Gastropteron pacificum</i>	Pacific batwing seaslug
70110	<i>Lepidozона trifida</i>		71025	<i>Tritonia</i> sp.	
70111	<i>Lepidozона beringiana</i>		71026	<i>Tritonia festiva</i>	festive Tritonia
70112	<i>Lepidozона abyssicola</i>		71027	<i>Calycidoris guentheri</i>	
70113	<i>Lepidozона</i> sp.		71030	<i>Tritonia diomedea</i>	rosy Tritonia
70114	<i>Lepidozона retiporosa</i>		71031	Onchidorididae	onchidoridid nudibranchs
70115	<i>Amicula vestita</i>		71040	<i>Acteocina</i> sp.	
70119	<i>Placiphorella</i> sp.		71050	<i>Triopha catalinae</i>	sea-clown Triopha
70122	<i>Placiphorella pacifica</i>		71051	<i>Cuthona concinna</i>	
70123	<i>Placiphorella rufa</i>		71052	Archidorididae	archidorid nudibranchs
70124	<i>Leptochiton</i> sp.		71055	<i>Archidoris montereyensis</i>	Monterey dorid
70125	<i>Leptochiton alveolus</i>		71080	<i>Armina californica</i>	California Armina
70126	<i>Mopalia swanii</i>		71090	<i>Colga pacifica</i>	Pacific Colga
70127	<i>Leptochiton belknapi</i>		71104	<i>Cadlina</i> sp.	cadlina nudibranchs
70128	<i>Leptochiton mesogonus</i>		71105	<i>Cadlina modesta</i>	
70134	<i>Tonicella</i> sp.	Tonicella chitons	71110	<i>Flabellina</i> sp.	
70135	<i>Tonicella insignis</i>		71111	<i>Flabellina trophina</i>	red flabellina
70140	<i>Mopalia egretta</i>		71112	Flabellinidae	
70150	<i>Stenosemus albus</i>	northern white chiton	71202	<i>Chlamylla</i> sp.	
70151	<i>Stenosemus sharpii</i>		71210	Dironidae	dironid nudibranchs
70871	<i>Neptunea gyroscopoides</i>		71212	<i>Dirona pellucida</i>	
71001	gastropod egg	snail egg	71230	<i>Peltodoris nobilis</i>	Pacific sea lemon
71002	<i>Buccinum</i> sp. egg		71235	<i>Peltodoris lentiginosa</i>	mottled pale sea-lemon
71003	<i>Fusitriton oregonensis</i> egg		71250	Dorididae	dorid nudibranch unid.
71004	<i>Neptunea</i> sp. egg		71259	<i>Archidoris</i> sp.	Archidoris nudibranch
71005	<i>Neptunea borealis</i> egg		71260	<i>Doris odhneri</i>	white night doris
71006	<i>Neptunea heros</i> egg		71269	<i>Diaulula</i> sp. A (Clark 2006)	
71007	Cephalaspidea	bubbleshells unid.	71271	<i>Adalaria proxima</i>	
71008		nudibranch egg	71290	Pleurobranchidae	pleurobranchid sea slugs
71009	Opisthobranchia		71291	<i>Pleurobranchaea californica</i>	California sea slug
71010	Nudibranchia	nudibranch unid.	71292	<i>Pleurobrachia bachei</i>	sea gooseberry
71011	<i>Onchidoris bilamellata</i>	barnacle-eating Onchidoris	71332	<i>Thielella baxteri</i>	
71012	<i>Tochuina gigantea</i>	giant orange tochui	71333	<i>Anatoma crispata</i>	crispate scissurelle
71013	<i>Hermisenda crassicornis</i>	thick-horned aeolid	71349	<i>Cranopsis</i> sp.	puncturella
71014	<i>Acanthodoris nanaimoensis</i>	Nanaimo dorid	71350	<i>Cranopsis major</i>	great puncturella
71015	<i>Cadlina luteomarginata</i>	yellow-edged Cadlina	71351	<i>Puncturella rothi</i>	
71016	<i>Diaulula sandiegensis</i>		71352	<i>Puncturella cooperi</i>	
71017	<i>Acanthodoris brunnea</i>	cedar-scented dorid	71353	<i>Puncturella galeata</i>	helmet Puncturella
71018	<i>Dendronotus</i> sp.		71354	<i>Puncturella multistriata</i>	many-ribbed Puncturella
71019	<i>Acanthodoris</i> sp.		71355	<i>Cranopsis cucullata</i>	hood puncturella
71020	<i>Dendronotus dalli</i>	Dall dendronotid	71356	<i>Scelidotoma bella</i>	elegant emarginula
71021	<i>Dendronotus frondosus</i>	frond-aeolis	71357	<i>Diodora aspera</i>	

CODE	SPECIES NAME	COMMON NAME	CODE	SPECIES NAME	COMMON NAME
71358	<i>Puncturella longifissa</i>	long-slot Puncturella		<i>Lamellaria</i> sp. B (Clark and McLean)	
71400	<i>Acmaea</i> sp.		71592	<i>Lamellaria</i> sp. C (Clark and McLean)	
71405		limpet unid.	71593	<i>Lamellaria</i> sp. D (Clark and McLean)	
71406	Lottiidae	thumbnails	71594	<i>Lamellaria</i> sp. E (Clark and McLean)	
71500	Gastropoda	snail unid.	71595	<i>Lamellaria</i> sp. F (McLean and Clark)	white lamellarid
71501	Carinariidae		71597	<i>Onchidiopsis carnea</i>	
71503	<i>Gastropterion pacifica</i>		71598	<i>Onchidiopsis maculata</i>	
71504	<i>Asterophila japonica</i>		71631	<i>Tachyrhynchus</i> sp.	
71510	Naticidae	moonsnail	71634	<i>Tachyrhynchus erosus</i>	eroded turretsnail
71511	Naticidae egg	moonsnail egg unid.	71635	<i>Tachyrhynchus reticulatus</i>	reticulated turretsnail
71512	<i>Natica russa</i> egg		71636	<i>Turritella</i> sp.	
71515	<i>Bulbus fragilis</i>	fragile moonsnail	71639	Calyptraeidae	slippersnails
71517	<i>Euspira monterona</i>		71640	<i>Crepidula</i> sp.	slipper shell
71519	<i>Eulima</i> sp.	eulimas	71681	<i>Grandicrepidula grandis</i>	great slippersnail
71520	<i>Amauropsis purpurea</i>	purple moon snail	71700		whelk unid.
71524	<i>Cryptonatica</i> sp.			<i>Sulcosinus</i> sp. A (McLean and Clark)	Aleutian sulcated whelk
71525	<i>Natica</i> sp.		71702	<i>Colus</i> sp.	
71526	<i>Cryptonatica affinis</i>	Arctic moonsnail	71710	<i>Colus capponius</i>	
71530	<i>Natica clausa</i>		71711	<i>Colus acosmius</i>	
71535	<i>Cryptonatica aleutica</i>	Aleutian moonsnail	71712	<i>Colus calathus</i>	
71537	<i>Cryptonatica russa</i>	rusty moonsnail	71713	<i>Colus martensi</i>	
71540	Muricidae		71714	<i>Colus periscelidus</i>	garter whelk
71541	<i>Nucella canaliculata</i>	channelled dogwinkle	71715	<i>Colus jordani</i>	
71542	<i>Nucella lamellosa</i>	frilled dogwinkle	71716	<i>Colus sabini</i>	
71546	<i>Amphissa colmbiana</i>	wrinkled Amphissa	71717	<i>Colus herendeenii</i>	thin-ribbed whelk
71547	<i>Amphissa reticulata</i>		71718	<i>Colus hypolispus</i>	
71548	<i>Amphissa versicolor</i>	variegate Amphissa	71719	<i>Colus ombronius</i>	shady whelk
71551	<i>Alia gausapata</i>		71720	<i>Retifusus roseus</i>	rosy whelk
71552	<i>Astyris elegans</i>	elegant dove snail	71721	<i>Colus esychus</i>	
71570	<i>Euspira lewisii</i>		71722	<i>Colus spitzbergensis</i>	thick-ribbed whelk
71575	<i>Euspira</i> sp.		71723	<i>Colus georgianus</i>	
71580	<i>Lunatia pallida</i>	pale moonsnail	71724	<i>Colus tahwitanus</i>	
71583	Lamellariidae	lamellarid unid.	71725	<i>Colus aphelus</i>	oblique whelk
71584	<i>Lamellaria</i> sp.		71726	<i>Colus halli</i>	shrew whelk
71585	<i>Onchidiopsis glacialis</i>	icy lamellaria	71727	<i>Colus datuzenbergii</i>	
71586	<i>Capulacmaea commoda</i>	widemouth lamellaria	71728	<i>Colus bristolensis</i>	
71587	<i>Onchidiopsis</i> sp. A (Clark and McLean)		71729	<i>Colus trophius</i>	
71588	<i>Onchidiopsis brevipes</i>		71730	<i>Habevolutopsius attenuatus</i>	attenuate melon whelk
71589	<i>Onchidiopsis</i> sp. B (Clark and McLean)		71731	<i>Japelion aleutica</i>	
71590	<i>Onchidiopsis</i> sp.				
71591	<i>Lamellaria</i> sp. A (Clark and McLean)				

CODE	SPECIES NAME	COMMON NAME	CODE	SPECIES NAME	COMMON NAME
71741	<i>Japelion</i> sp.		71781	<i>Beringius incisus</i>	
71742	<i>Japelion</i> sp. A			<i>Beringius</i> sp. C (McLean and Clark)	
71743	<i>Japelion</i> sp. B		71782	<i>Beringius</i> sp. D (McLean and Clark)	
71745	<i>Volutopsius</i> sp. D (Clark and McLean)		71783	<i>Beringius</i> sp. E (McLean and Clark)	
71746	<i>Volutopsius</i> sp. C (Clark and McLean)		71784	<i>Beringius</i> sp. F (McLean and Clark)	
71747	<i>Pyrulofusus</i> sp.		71785	<i>Beringius</i> sp. G (McLean and Clark)	
71748	<i>Habevolutopsius hirasei</i>		71786	<i>Beringius rotundus</i>	rotund whelk
71749	<i>Pyrulofusus dexius</i>		71787	<i>Beringius</i> sp. H (McLean and Clark)	
71750	<i>Volutopsius</i> sp.		71788	<i>Beringius</i> sp. I (McLean and Clark)	
71751	<i>Volutopsius</i> sp. eggs		71789	<i>Neoberingius</i> sp.	
71752	<i>Pyrulofusus</i> sp. eggs		71790	<i>Beringius</i> sp. J (McLean and Clark)	
71753	<i>Pyrulofusus deformis</i>	warped whelk	71792	<i>Beringius</i> sp. K (McLean and Clark)	
71754	<i>Pyrulofusus deformis</i> egg	warped whelk egg	71793	<i>Calinaticina oldroyi</i>	
71755	<i>Pyrulofusus harpa</i>	left-hand whelk	71795	<i>Volutharpa ampullacea</i>	paper whelk
71756	<i>Volutopsius fragilis</i>	fragile whelk	71800	<i>Neptunea</i> sp.	
71757	<i>Volutopsius regularis</i>	regular whelk	71801	<i>Neptunea ventricosa</i> egg	fat whelk egg
71758	<i>Volutopsius fragilis</i> egg	fragile whelk egg	71802	<i>Neptunea phoenicea</i>	
71759	<i>Lussivolutopsius filousus</i>	threaded whelk	71803	<i>Neptunea meridionalis</i>	
71760	<i>Volutopsius castanea</i>	volute whelk	71810	<i>Neptunea amianta</i>	white neptune
71761	<i>Pyrulofusus melonis</i>		71811	<i>Neptunea smirnia</i>	
71762	<i>Volutopsius simplex</i>	simple whelk	71820	<i>Neptunea pribiloffensis</i>	Pribilof whelk
71763	<i>Volutopsius stefanssoni</i>	shouldered whelk	71822	<i>Neptunea tabulata</i>	tabled whelk
71764	<i>Volutopsius middendorffi</i>	tulip whelk	71835	<i>Neptunea borealis</i>	
71765	<i>Volutopsius trophonius</i>	frilled whelk	71840	<i>Neptunea middendorffii</i>	
71766	<i>Volutopsius pallidus</i>		71850	<i>Neptunea eulimata</i>	
71767	<i>Volutopsius</i> sp. A (McLean and Clark)		71860	<i>Neptunea neptunea</i>	
71768	<i>Volutopsius</i> sp. B (McLean and Clark)		71866	<i>Neptunea stilesi</i>	
71769	<i>Beringius</i> sp.		71870	<i>Neptunea lyrata</i>	lyre whelk
71770	<i>Beringius kennicottii</i>		71880	<i>Neptunea vermii</i>	
71771	<i>Neoberingius frielei</i>		71881	<i>Neptunea ithia</i>	
71772	<i>Beringius beringii</i>		71882	<i>Neptunea ventricosa</i>	fat whelk
71773	<i>Beringius aleuticus</i>		71883	<i>Neptunea insularis</i>	
71774	<i>Beringius stimpsoni</i>		71884	<i>Neptunea heros</i>	
71775	<i>Beringius crebricostatus</i>	thick-cord whelk		<i>Neptunea</i> sp. E (Clark and McLean)	
71776	<i>Beringius undatus</i>		71885	<i>Clinopegma magnum</i>	helmet whelk
71777	<i>Beringius</i> sp. eggs		71886	<i>Neptunea</i> sp. A (McLean and Clark)	
71778	<i>Beringius</i> sp. A (McLean and Clark)	Baxter Beringius	71887		
71779	<i>Beringius</i> sp. B (McLean and Clark)	two-channeled Beringius			
71780	<i>Beringius eyerdami</i>				

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71888	<i>Neptunea</i> sp. B (McLean and Clark)	
71889	<i>Neptunea</i> sp. C (McLean and Clark)	
71890	<i>Plicifusus</i> sp.	
71891	<i>Plicifusus kroyeri</i>	
71892	<i>Plicifusus incisus</i>	
71893	<i>Plicifusus brunneus</i>	brown whelk
71894	<i>Plicifusus verkruzeni</i>	
71895	<i>Colus callorhinus</i>	
71896	<i>Colus oceandromae</i>	seahorse whelk
71897	<i>Colus virens</i>	
71898	<i>Colus stejnegeri</i>	
71899	<i>Plicifusus</i> sp. A (Clark and McLean)	
71900	<i>Colus griseus</i>	gray whelk
71901	<i>Sulcosinus taphrius</i>	sulcated whelk
71902	<i>Plicifusus johanseni</i>	
71904	<i>Exilioidea rectirostris</i>	
71905	<i>Exilioidea kelseyi</i>	
71906	<i>Mohnia robusta</i>	
71910	<i>Liomesus</i> sp.	
71911	<i>Pseudoliomesus ooides</i>	egg whelk
71912	<i>Pseudoliomesus canaliculatus</i>	
71913	<i>Liomesus nassula</i>	basket whelk
71915	<i>Neptunea</i> sp. D (Clark and McLean)	
71916	<i>Neptunea</i> sp. F (Clark and McLean)	
71917	<i>Neptunea</i> sp. G (Clark and McLean)	
71925	<i>Colus</i> sp. A (Clark and McLean)	
71926	<i>Colus</i> sp. B (Clark and McLean)	
71960	<i>Ancistrolepis</i> sp.	
72019	<i>Antiplanes</i> sp.	
72020	<i>Antiplanes catalinae</i>	
72021	<i>Antiplanes thalea</i>	
72022	<i>Antiplanes piona</i>	
72023	<i>Antiplanes vinosus</i>	
72024	<i>Antiplanes</i> sp. A (Clark and McLean)	
72025	<i>Rectiplanes</i> sp.	
72026	<i>Rectiplanes</i> sp. A (Clark and McLean)	

CODE	SPECIES NAME	COMMON NAME
72030	<i>Suavodrilgia kennicotti</i>	
72058	Turridae	turrid snails
72059	<i>Aforia</i> sp.	
72060	<i>Aforia goodei</i>	
72062	<i>Aforia kinkaidi</i>	Kinkaid Aforia
72063	<i>Aforia circinata</i>	keeled Aforia
72064	<i>Epitonium</i> sp.	
72065	<i>Boreoscala greenlandica</i>	Greenland wentletrap
72066	<i>Epitonium indianorum</i>	
72067	<i>Boreoscala</i> sp.	
72070	<i>Carinoturris fortis</i>	
72071	<i>Acirsa</i> sp. A (McLean and Clark)	Aleutian wentletrap
72081	<i>Epitoneum indianorum</i>	money wentletrap
72100	<i>Oenopota</i> sp.	
72103	<i>Oenopota harpa</i>	
72104	<i>Propebela nobilis</i>	
72105	<i>Propebela fidicula</i>	
72106	<i>Oenopota elegans</i>	
72130	<i>Mangelia carlottae</i>	
72181	<i>Obesotoma simplex</i>	
72182	<i>Obesotoma tenuilirata</i>	
72183	<i>Curtitoma decussata</i>	
72300	Trichotropidae	
72301	<i>Trichotropis</i> sp. 1 (Clark and McLean)	
72302	<i>Trichotropis borealis</i>	
72303	<i>Trichotropis insignis</i>	gray hairysnail
72304	<i>Neophinoe coronata</i>	crowned hairysnail
72305	<i>Trichotropis bicarinata</i>	two-keel hairysnail
72306	<i>Trichotropis cancellata</i>	
72307	<i>Trichotropis conica</i>	
72308	<i>Trichotropis</i> sp.	
72370	<i>Neophinoe kroyeri</i>	Kroyer hairy snail
72371	<i>Neophinoe permabilis</i>	
72372	<i>Neophinoe echinata</i>	
72380	<i>Torellia ammonia</i>	rams-horn hairysnail
72381	<i>Torellia</i> sp.	hairysnails
72382	<i>Torellia lineata</i>	
72386	<i>Scabrotrophon</i> sp. A (Clark and McLean)	
72387	<i>Scabrotrophon</i> sp. B (Clark and McLean)	
72388	<i>Scabrotrophon</i> sp. C (Clark and McLean)	

CODE	SPECIES NAME	COMMON NAME	CODE	SPECIES NAME	COMMON NAME
72389	<i>Scabrotrophon</i> sp. D (Clark and McLean)		72535	<i>Margarites costalis</i>	boreal rosy margarite
72390	<i>Scabrotrophon</i> sp. E (Clark and McLean)		72536	<i>Margarites</i> sp. A (Clark and McLean)	three ribbed margarite
72393	<i>Scabrotrophon maltzani</i>		72537	<i>Margarites</i> sp. B (Clark and McLean)	tabled margarite
72394	<i>Scabrotrophon clarki</i>		72538	<i>Margarites</i> sp. C (Clark and McLean)	silvery margarite
72395	<i>Nipponotrophon scitulus</i>	spiny trophon	72539	<i>Margarites beringensis</i>	
72396	<i>Scabrotrophon rossicus</i>		72540	<i>Solariella</i> sp.	
72397	<i>Scabrotrophon densicostatus</i>		72541	<i>Solariella obscura</i>	obscure solarelle
72398	<i>Scabrotrophon scarlatoi</i>		72542	<i>Solariella micraulax</i>	fine-groove solarelle
72399	<i>Scabrotrophon</i> sp.		72543	<i>Solariella varicosa</i>	varicose solarelle
72401	<i>Boreotrophon beringi</i>	Bering trophon	72544	<i>Solariella nuda</i>	naked solarelle
72402	<i>Boreotrophon alaskanus</i>	Alaskan trophon	72545	<i>Solariella peramabilis</i>	
72403	<i>Nodulotrophon coronatus</i>		72546	<i>Solariella</i> sp. A (Clark and McLean)	
72404	<i>Boreotrophon rotundatus</i>	rotund trophon	72551	<i>Otukaia kiheiziebisu</i>	
72405	<i>Boreotrophon elegantulus</i>		72554	<i>Calliostoma ligatum</i>	blue topsnail
72406	<i>Boreotrophon clathratus</i>	clathrate trophon	72555	<i>Calliostoma annulatum</i>	
72407	<i>Nipponotrophon stuarti</i>	winged trophon	72571	<i>Oligoneria conica</i>	
72408	<i>Scabrotrophon kamchatkanus</i>	Kamchatka trophon	72731	<i>Amphissa</i> sp.	
72409	<i>Boreotrophon multicostatus</i>	ribbed trophon	72736	<i>Buccinum normale</i>	
72410	<i>Boreotrophon rotundus</i>		72737	<i>Buccinum obsoletum</i>	
72420	<i>Boreotrophon</i> sp.		72738	<i>Buccinum bulimuloideum</i>	
72421	<i>Boreotrophon pacificus</i>		72739	<i>Buccinum picturatum</i>	
72423	<i>Cerastostoma foliatum</i>	foliate thornmouth	72740	<i>Buccinum</i> sp.	
72436	<i>Nipponotrophon</i> sp. A (Clark and McLean)		72741	<i>Buccinum polium</i>	
72500	<i>Fusitriton oregonensis</i>	Oregon triton	72742	<i>Buccinum ochotense</i>	Okhotsk whelk
72501	<i>Fusitriton</i> sp.		72743	<i>Buccinum angulosum</i>	angular whelk
72510	Trochidae	trochid unid.	72744	<i>Buccinum fringillum</i>	finch whelk
72511	<i>Calliostoma</i> sp.		72745	<i>Buccinum sigmatopleura</i>	wavy whelk
72512	<i>Calliostoma platinum</i>	silvery topsnail	72746	<i>Buccinum simulatum</i>	
72513	<i>Calliostoma titanium</i>		72747	<i>Buccinum oedematum</i>	swollen whelk
72514	<i>Calliostoma variegatum</i>		72748	<i>Buccinum eugrammatum</i>	lirate whelk
72515	<i>Tegula pulligo</i>		72749	<i>Buccinum viridum</i>	turban whelk
72516	<i>Calliostoma canaliculatum</i>	channeled topsnail	72750	<i>Buccinum strigillatum</i>	
72520	<i>Bathybembix bairdii</i>		72751	<i>Buccinum plectrum</i>	sinuous whelk
72521	<i>Calliotropis carlotta</i>		72752	<i>Buccinum scalariforme</i>	ladder whelk
72525	<i>Cidarina cidaris</i>		72753	<i>Buccinum aleuticum</i>	Aleut whelk
72527	<i>Lacuna crassior</i>	thick Lacuna	72754	<i>Buccinum cnismatum</i>	scratched whelk
72531	<i>Margarites</i> sp.		72755	<i>Buccinum polare</i>	polar whelk
72532	<i>Margarites pupillus</i>	little margarite	72756	<i>Buccinum solenum</i>	
72533	<i>Margarites giganteus</i>	giant margarite	72757	<i>Buccinum ciliatum</i>	
72534	<i>Margarites argentatus</i>		72758	<i>Buccinum glaciale</i>	glacial whelk
			72759	<i>Buccinum tenellum</i>	

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72760	<i>Buccinum castaneum</i>	chestnut whelk
72761	<i>Searlesia dira</i>	dire whelk
72762	<i>Bathybuccinum clarki</i>	Roger buccinid
72763	<i>Bathybuccinum</i> sp.	
72764	<i>Bathybuccinum ovulum</i>	
72765	<i>Buccinum</i> sp. A (McLean and Clark)	Katherine whelk
72766	<i>Buccinum ectomycina</i>	
72767	<i>Retifusus</i> sp.	
72768	<i>Ancistrolepis bicinctus</i>	two-ribbed whelk
72769	<i>Ancistrolepis eucosmius</i>	three-ribbed whelk
72770	<i>Columbella</i> sp.	dovesnails
72773	<i>Buccinum costatum</i>	costate whelk
72775	<i>Buccinum</i> sp. B (McLean and Clark)	mega-ribbed chestnut whelk
72776	<i>Buccinum</i> sp. C (McLean and Clark)	one-ribbed whelk
72777	<i>Buccinum</i> sp. D (McLean and Clark)	many-ribbed chestnut whelk
72778	<i>Buccinum triplostephanum</i>	three-ribbed chestnut whelk
72779	<i>Buccinum</i> sp. E (McLean and Clark)	two-ribbed chestnut whelk
72780	<i>Buccinum</i> sp. F (McLean and Clark)	crenulated whelk
72781	<i>Buccinum</i> sp. G (McLean and Clark)	
72782	<i>Buccinum</i> sp. H (McLean and Clark)	
72783	<i>Buccinum</i> sp. I (McLean and Clark)	
72784	<i>Buccinum moarchianum</i>	
72785	<i>Buccinum transliratum</i>	transect whelk
72786	<i>Buccinum rondinum</i>	eroded whelk
72787	<i>Volutomitra</i> sp.	
72788	<i>Volutomitra</i> sp. B (Clark and McLean)	
72789	<i>Arctomelon</i> sp.	
72790	<i>Arctomelon stearnsii</i>	Alaska volute
72791	<i>Arctomelon borealis</i>	
72792	<i>Arctomelon tamikoae</i>	
72794	<i>Arctomelon</i> sp. cf. <i>stearnsii</i> (Clark and McLean)	
72795	<i>Volutomitra alaskana</i>	
72796	<i>Volutomitra</i> sp. A (Clark and McLean)	
72797	<i>Olivella beatica</i>	beatic dwarf olive
72800	<i>Velutina undata</i>	wavy lamellaria

CODE	SPECIES NAME	COMMON NAME
72801	<i>Velutina nana</i>	
72802	<i>Velutina plicatilis</i>	oblique lamellaria
72803	<i>Limneria prolongata</i>	conical lamellaria
72804	<i>Velutina prolongata</i>	elongate lamellaria
72805	<i>Velutina velutina</i>	smooth lamellaria
72806	<i>Velutina</i> sp.	
72807	<i>Velutina</i> sp. A (Clark and McLean)	
72808	<i>Velutina</i> sp. B (Clark and McLean)	
72809	<i>Velutina</i> sp. C (Clark and McLean)	
72810	<i>Velutina rubra</i>	
72821	<i>Clinopegma unicum</i>	unique whelk
73183	<i>Admete viridula</i>	northern Admete
73185	<i>Admete laevior</i>	smooth nutmeg shell
73186	<i>Admete solida</i>	noble Admete
73188	<i>Admete gracilior</i>	
73189	<i>Neadmete circumcenta</i>	
73190	<i>Neadmete modesta</i>	
73210	Cerithiopsidae sp. A	horn shell
73211	Cerithiopsidae	
73351	<i>Cylichna alba</i>	white chalice-bubble
74000	Bivalvia	bivalve unid.
74001	<i>Acharax johnsoni</i>	
74050	Mytilidae	mussel unid.
74060	<i>Modiolus modiolus</i>	northern horsemussel
74065	<i>Mytilus</i> sp.	
74070	<i>Mytilus californianus</i>	California mussel
74075	<i>Mytilus trossulus</i>	foolish mussel
74080	<i>Mytilus edulis</i>	blue mussel
74100	Pectinidae	scallop unid.
74103	<i>Chlamys albida</i>	white scallop
74104	<i>Chlamys</i> sp.	
74105	<i>Chlamys behringiana</i>	Iceland scallop
74106	<i>Chlamys rubida</i>	reddish scallop
74107	<i>Chlamys hastata</i>	spiny scallop
74108	<i>Chlamys</i> sp. cf. <i>unalaskae</i> (Clark and McLean)	
74109	<i>Chlamys erythocomata</i>	
74112	<i>Chlamys pseudoislandica</i>	false Iceland scallop
74120	<i>Patinopecten caurinus</i>	weathervane scallop
74130	<i>Crassadoma gigantea</i>	giant rock-scallop
74171	<i>Delectopecten vancouverensis</i>	Vancouver scallop

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74174	<i>Parvamussium</i> sp.		74561	<i>Musculus niger</i>	black mussel
74175	<i>Parvamussium alaskense</i>	Alaska glass-scallop	74562	<i>Musculus discors</i>	discordant mussel
74176	<i>Cyclopecten</i> sp.		74563	<i>Musculus olivaceus</i>	
74177	<i>Cyclopecten davidsoni</i>	salmon glass-scallop	74564	<i>Crenella seminuda</i>	partly-sculptured Crenella
74178	<i>Cyclopecten uschakovi</i>		74565	<i>Musculus glacialis</i>	corrugate mussel
74179	<i>Cyclopecten</i> sp. cf. <i>benthalis</i> (Clark and McLean)		74571	<i>Limatula attenuata</i>	
74301	<i>Panopea generosa</i>	Pacific geoduck	74572	<i>Limatula</i> sp. A (Clark and McLean)	
74310	<i>Hiatella</i> sp.		74639	<i>Astarte crenata</i>	crenulate Astarte
74311	<i>Hiatella arctica</i>	Arctic Hiatella	74640	<i>Astarte</i> sp.	
74320	<i>Panomya arctica</i>		74641	<i>Astarte borealis</i>	boreal Astarte
74321	<i>Panomya</i> sp.		74642	<i>Astarte polaris</i>	polar Astarte
74322	<i>Panomya norvegica</i>	Arctic roughmya	74643	<i>Astarte elliptica</i>	elliptical Astarte
74323	<i>Panomya ampla</i>	ample roughmya	74644	<i>Tridonta rollandi</i>	Rolland Tridonta
74325	<i>Solemya</i> sp.	awning clam	74645	<i>Astarte compacta</i>	
74326	<i>Solemya reidi</i>	gutless awning clam	74646	<i>Astarte arctica</i>	
74332	<i>Nucula</i> sp.		74647	<i>Astarte montagui</i>	
74333	<i>Nucula tenuis</i>	smooth nutclam	74648	<i>Astarte esquimalti</i>	
74342	<i>Acila castrensis</i>	divaricate nutclam	74650	<i>Cardita</i> sp.	
74412	<i>Megayoldia</i> sp.		74651	Carditidae	
74414	<i>Yoldia</i> sp.		74652	<i>Cyclocardia ovata</i>	
74415	<i>Yoldia montereyensis</i>		74653	<i>Cyclocardia ventricosa</i>	stout Cyclocardia
74416	<i>Yoldia seminuda</i>	crisscrossed Yoldia	74654	<i>Cyclocardia crassidens</i>	thick carditid
74417	<i>Yoldia myalis</i>	oval Yoldia	74655	<i>Cyclocardia crebricostata</i>	many-rib Cyclocardia
74419	<i>Megayoldia thraciaeformis</i>	broad Yoldia	74656	<i>Cyclocardia</i> sp.	
74420	<i>Yoldia hyperborea</i>	northern Yoldia	74657	<i>Cyclocardia umnaka</i>	
74421	<i>Portlandia</i> sp.		74658	<i>Cyclocardia</i> sp. cf. <i>borealis</i> (Clark 2006)	northern carditid
74425	<i>Yoldiella</i> sp.		74712	<i>Vesicomya pacifica</i>	
74435	<i>Nuculana</i> sp.		74801	Lasaeidae	
74436	<i>Nuculana pernula</i>	northern nutclam	74802	<i>Kellia suborbicularis</i>	suborbicular kellyclam
74437	<i>Nuculana taphria</i>		74803	<i>Kellia laperousii</i>	La Perouse kellyclam
74438	<i>Propeleda conceptionis</i>		74924	<i>Conchocele bisecta</i>	
74439	<i>Nuculana fossa</i>	trenched nutclam	74980	<i>Clinocardium</i> sp.	
74440	<i>Nuculana buccata</i>	stout nutclam	74981		cockle unid.
74481	<i>Limopsis akutanica</i>	Akutan limops	74982	<i>Clinocardium nuttallii</i>	Nuttall cockle
74482	<i>Empleconia vaginata</i>	vaginated limops	74983	<i>Ciliatoclinocardium ciliatum</i>	hairy cockle
74485	<i>Glycymeris septentrionalis</i>		74985	<i>Clinocardium californiense</i>	California cockle
74486	<i>Glycymeris subobsoleta</i>	California bittersweet	74986	<i>Clinocardium blandum</i>	low-rib cockle
74490	<i>Samacar</i> sp.		74987	<i>Nemocardium centifilum</i>	hundred-line cockle
74511	<i>Lyonsia</i> sp.		75016	<i>Compsomyax subdiaphanus</i>	milky venus
74551	<i>Vilasina seminuda</i>		75020	<i>Saxidomus nuttalli</i>	Washington clam
74552	<i>Solamen columbianum</i>	British Columbia crenella	75021	<i>Saxidomus gigantea</i>	butter clam
74560	<i>Musculus</i> sp.		75025	<i>Humilaria kennerleyi</i>	Kennerleys venus

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75030	<i>Leukoma staminea</i>	Pacific littleneck	75340	<i>Thracia trapezoides</i>	
75031	<i>Protothaca</i> sp.		75372	<i>Xylophaga californica</i>	
75092	<i>Liocyma fluctosa</i>	wavy Liocyma	75381	Teredinidae	shipworm unid.
75102	<i>Tresus nuttallii</i>	Pacific gaper	75382	<i>Bankia setacea</i>	feathery shipworm
75103	<i>Tresus capax</i>	fat gaper	75410	<i>Lyonsia arenosa</i>	sandy Lyonsia
75110	<i>Mactromeris</i> sp.		75420	<i>Lucinoma annulatum</i>	ringed lucine
75111	<i>Mactromeris polynyma</i>	Arctic surfclam	75551	<i>Cardiomya</i> sp.	
75120	<i>Gari californica</i>		75560	<i>Cuspidaria glacialis</i>	
75125	<i>Semele rubropicta</i>		75570	<i>Halicardia perplicata</i>	
75201	<i>Tellina</i> sp.		75600	<i>Pododesmus macrochisma</i>	Alaska falsejingle
75202	<i>Tellina carpenteri</i>	carpenter tellin	75601	<i>Pododesmus cepio</i>	abalone jingle
75203	<i>Tellina nuculoides</i>	salmon tellin	75605	<i>Pododesmus</i> sp.	
75204	<i>Tellina modesta</i>		75606	<i>Hinnites</i> sp.	rock scallops unid.
75205	<i>Tellina lutea</i>	Alaska great-tellin	75609	<i>Anomia</i> sp.	
75206	<i>Tellina bodegensis</i>		75610	Anomiidae	falsejingle unid.
75218	<i>Entodesma navicula</i>		77000	Scaphopoda	scaphopod unid.
75220	<i>Pandora glacialis</i>	glacial Pandora	77010	Dentaliidae	
75221	<i>Pandora wardiana</i>		77011	<i>Dentalium</i> sp.	
75222	<i>Pandora bilirata</i>	bilirate Pandora	77012	<i>Rhabdus dalli</i>	Dall tuskshell
75223	<i>Pandora filosa</i>	threaded Pandora	77015	Gadilidae	
75235	<i>Glycymeris</i> sp.	bittersweets	77102	<i>Compressidens stearnsii</i>	Stearns toothshell
75240	<i>Macoma</i> sp.		78000	Cephalopoda	cephalopod unid.
75241	<i>Macoma nasuta</i>	bent-nose Macoma	78005	cephalopod egg	squid or octopus egg unid.
75242	<i>Macoma calcarea</i>	chalky Macoma	78010	Octopodidae	octopus unid.
75243	<i>Macoma yoldiformis</i>		78011		pelagic octopus unid.
75244	<i>Macoma secta</i>	white-sand Macoma	78012	<i>Benthooctopus leioderma</i>	smoothskin octopus
75245	<i>Macoma carlottensis</i>		78013	<i>Benthooctopus sibiricus</i>	
75246	<i>Macoma moesta</i>		78020	<i>Octopus</i> sp.	
75247	<i>Macoma brota</i>	heavy Macoma	78021	<i>Japetella heathi</i>	yellowring octopus
75248	<i>Macoma inquinata</i>	pointed Macoma	78022	<i>Japetella diaphana</i>	
75264	<i>Siliqua</i> sp.		78023	<i>Japetella</i> sp.	
75266	<i>Siliqua patula</i>	Pacific razor	78030	<i>Opisthoteuthis californiana</i>	flapjack devilfish
75267	<i>Siliqua alta</i>	Alaska razor	78040	<i>Grimpoteuthis albatrossi</i>	
75284	<i>Serripes</i> sp.				North Pacific bigeye octopus
75285	<i>Serripes groenlandicus</i>	Greenland cockle	78210	<i>Octopus californicus</i>	
75286	<i>Serripes laperousii</i>	broad cockle	78300	Bolitaenidae	
75287	<i>Serripes notabilis</i>	oblique smoothcockle		<i>Opisthoteuthis</i> sp. cf.	
75330	<i>Mya</i> sp.		78301	<i>californiana</i> (Jorgensen)	
75331	<i>Mya baxteri</i>		78352	<i>Graneledone boreopacifica</i>	
75332	<i>Mya arenaria</i>	softshell		<i>Graneledone</i> sp. cf.	
75333	<i>Mya truncata</i>	truncate softshell	78353	<i>boreopacifica</i> (Nesis)	
75335	<i>Mya pseudoarenaria</i>	false softshell	78403	<i>Enteroctopus dofleini</i>	giant octopus
75336	<i>Mya elegans</i>	elegant soft shell	78404	<i>Octopus rubescens</i>	
			78452	<i>Benthooctopus</i> sp.	

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78454	<i>Sasakiopus salebrosus</i>	pygmy benthoctopus	79442	<i>Taonius pavo</i>	
78455	<i>Benthoctopus oregonensis</i>		79443	<i>Belonella borealis</i>	
78502	<i>Vampyroteuthis infernalis</i>	vampire squid	79504	<i>Octopoteuthis deletron</i>	
79000	Decapodiformes	squid unid.	79509	<i>Histioteuthis</i> sp.	jewel squids
79001	<i>Taningia danae</i>	rhomboid squid	79510	<i>Histioteuthis heteropsis</i>	
79002	Decapodiform egg	squid egg unid.	79511	<i>Histioteuthis dofleini</i>	
79020	<i>Rossia pacifica</i>	eastern Pacific bobtail	79512	<i>Histioteuthis hoylei</i>	
79021	<i>Rossia pacifica</i> eggs		79513	<i>Stigmatoteuthis dofleini</i>	
79120	<i>Doryteuthis opalescens</i>	California market squid	80000	Asteroidea	sea star unid.
79199	Gonatidae		80005	<i>Ceramaster leptoceramus</i>	
79200	<i>Gonatus</i> sp.		80010	<i>Evasterias</i> sp.	
79201	<i>Gonatus onyx</i>	clawed armhook squid	80012	<i>Evasterias retifera</i>	
79202	<i>Gonatus berryi</i>	Berry armhook squid	80015	<i>Evasterias troschelii</i>	mottled sea star
79203	<i>Gonatus pyros</i>	fiery armhook squid	80018	<i>Diamphiodia occidentalis</i>	
79204	<i>Gonatus californiensis</i>	California armhook squid	80020	<i>Evasterias echinosoma</i>	giant sea star
79205	<i>Gonatus madokai</i>		80030	<i>Urasterias lincki</i>	
79206	<i>Gonatus kamtschaticus</i>		80105	<i>Orthasterias</i> sp.	
79207	<i>Eogonatus tinro</i>		80106	<i>Orthasterias koehleri</i>	redbanded sea star
79208	<i>Gonatus middendorffi</i>		80110	<i>Leptasterias groenlandica</i>	
79210	<i>Berryteuthis magister</i>	magistrate armhook squid	80111	<i>Leptasterias hexactis</i>	
79211	<i>Berryteuthis anonychus</i>		80112	<i>Leptasterias hylodes</i>	Aleutian sea star
79250	<i>Gonatopsis</i> sp.		80113	<i>Leptasterias stolocantha</i>	
79252	<i>Gonatopsis borealis</i>	boreopacific armhook squid	80115	<i>Leptasterias coei</i>	
79253	<i>Gonatopsis</i> sp. cf. <i>japonica</i> (Kubodera and Okutani)		80116	<i>Leptasterias truculenta</i>	giant Aleutian six-rayed star
79254	<i>Gonatopsis makko</i>	makko armhook squid	80117	<i>Leptasterias leptodoma</i>	
79255	<i>Gonatopsis</i> sp. A (Jorgensen)		80118	<i>Leptasterias</i> sp. A (Clark)	
79259	Ommastrephidae		80119	<i>Leptasterias</i> sp. B (Clark)	
79260	<i>Ommastrephes bartrami</i>	red flying squid	80120	<i>Rathbunaster californicus</i>	
79265	<i>Dosidicus gigas</i>	Humboldt squid	80159	Asteriidae	
79302	<i>Moroteuthis robusta</i>	robust clubhook squid	80160	<i>Pycnopodia helianthoides</i>	sunflower sea star
79310	Onychoteuthidae		80165	<i>Astrometis</i> sp.	
79311	<i>Onychoteuthis banksii</i>	common clubhook squid	80170	<i>Stylasterias forreri</i>	long-rayed star
79312	<i>Onychoteuthis borealijaponicus</i>	boreal clubhook squid	80171	<i>Stylasterias</i> sp.	
79340	<i>Galiteuthis phyllura</i>		80180	<i>Ampheraster</i> sp.	
79351	<i>Abraliopsis</i> sp.		80182	<i>Ampheraster marianus</i>	
79352	<i>Abraliopsis felis</i>		80190	<i>Tarsaster alaskanus</i>	
79403	<i>Chiroteuthis</i> sp.		80200	<i>Lethasterias nanimensis</i>	blackspined sea star
79404	<i>Chiroteuthis calyx</i>		80201	<i>Lethasterias</i> sp.	
79405	<i>Cranchia scabra</i>	sandpaper squid	80220	<i>Pedicellaster</i> sp.	
79406	Cranchiidae		80230	<i>Pedicellaster magister</i>	majestic sea star
79440	Taoniinae		80250	<i>Stephanasterias albula</i>	
			80310	<i>Pisaster</i> sp.	

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80311	<i>Pisaster brevispinus</i>	giant pink star	80628	<i>Odontaster</i> sp.	
80312	<i>Pisaster ochraceus</i>	purple star	80629	<i>Odontaster</i> sp. B (Clark)	
80520	<i>Poraniopsis inflata</i>	thorny sea star	80630	<i>Hippasteria</i> sp.	
80525	<i>Poraniopsis flexilius</i>		80631	<i>Hippasteria kurilensis</i>	
80535	<i>Henricia lineata</i>	lined blood star	80632	<i>Hippasteria armata</i>	
80536	<i>Henricia</i> sp. B (Clark 2006)	white <i>Henricia</i>	80633	<i>Hippasteria aleutica</i>	Aleutian spiny star
80537	<i>Henricia rhytisma</i>	mottled <i>Henricia</i>	80634	<i>Hippasteria</i> sp. B (Clark)	pale spiny star
80539	<i>Henricia derjugini</i>		80635	<i>Hippasteria</i> sp. C (Clark)	Bering spiny star
80540	<i>Henricia</i> sp.		80636	<i>Hippasteria</i> sp. D (Clark)	Commander spiny star
80541	<i>Henricia clarki</i>		80637	<i>Hippasteria</i> sp. E (Clark)	Alaskan spiny star
80542	<i>Henricia sanguinolenta</i>	sanguine sea star	80640	<i>Hippasteria californica</i>	
80543	<i>Henricia aspera</i>	ridged blood star	80645	<i>Hippasteria heathi</i>	
80544	<i>Henricia leviuscula</i>	blood sea star	80646	<i>Hippasteria leiopelta</i>	
80545	<i>Henricia aleutica</i>		80647	<i>Hippasteria pedicellaris</i>	
80546	<i>Henricia tumida</i>	tumid sea star		<i>Hippasteria phrygiana</i>	
80547	<i>Henricia asthenactis</i>		80650	(= <i>spinosa</i>)	spiny red sea star
80548	<i>Henricia longispina</i>		80660	<i>Pseudarchaster parelii</i>	scarlet sea star
80549	<i>Henricia multispina</i>	spiny <i>Henricia</i>	80670	<i>Cryptopeltaster lepidonotus</i>	
80550	<i>Odontohenricia fisheri</i>		80690	<i>Mediaster</i> sp.	
80551	<i>Odontohenricia</i> sp.		80691	<i>Mediaster tenellus</i>	
80552	<i>Odontohenricia</i> sp. A (Clark)		80710	<i>Mediaster aequalis</i>	vermilion sea star
80553	<i>Odontohenricia</i> sp. B (Clark)		80728	<i>Ceramaster</i> sp.	
80554	<i>Odontohenricia ahearnae</i>		80729	<i>Ceramaster japonicus</i>	red bat star
80555	<i>Odontohenricia</i> sp. D (Clark)		80730	<i>Ceramaster patagonicus</i>	orange bat sea star
	<i>Odontohenricia</i> sp. E (Clark		80731	<i>Ceramaster arcticus</i>	Arctic bat sea star
80556	2006)	giant toothed <i>Henricia</i>	80732	<i>Ceramaster clarki</i>	
80557	<i>Aleuthenricia federi</i>		80733	<i>Ceramaster stellatus</i>	
80560	<i>Henricia</i> sp. D (Clark 2006)	fuzzy <i>henricia</i>	80735	Goniasteridae	goniasterid sea stars
80561	<i>Henricia</i> sp. E (Clark 2006)	slender pale <i>Henricia</i>	80800	<i>Luidia</i> sp.	
80590	<i>Leptasterias polaris</i>		80810	<i>Luidia foliolata</i>	sand sea star
80591	<i>Leptasterias katharinae</i>		80811	Astropectinidae	
80594	<i>Leptasterias arctica</i>		80910	<i>Dermasterias imbricata</i>	leather sea star
80595	<i>Leptasterias</i> sp.		80915	<i>Asterina miniata</i>	bat star
80596	<i>Leptasterias camtschatica</i>		81060	<i>Solaster</i> sp.	
80597	<i>Aleuthenricia beringiana</i>	Bering <i>Henricia</i>	81061	<i>Solaster endeca</i>	northern sun sea star
80598	<i>Henricia dyscrita</i>	short-spined <i>Henricia</i>	81062	<i>Solaster hypotrissus</i>	
80601	<i>Aleutiaster</i> sp.		81063	<i>Solaster hexactis</i>	
80602	<i>Gephyreaster swifti</i>	Swift sea star	81064	<i>Solaster dawsoni</i>	morning sun sea star
80603	<i>Gephyreaster</i> sp.		81065	<i>Solaster stimpsoni</i>	striped sun sea star
80610	<i>Pseudarchaster</i> sp.		81066	<i>Solaster exiguus</i>	
80620	<i>Pseudarchaster alascensis</i>		81067	<i>Solaster</i> sp. A (Clark 1997)	
80624	<i>Pseudarchaster pussillus</i>		81068	<i>Solaster spectabilis</i>	beautiful sun star
80625	<i>Pseudarchaster dissonus</i>		81069	<i>Solaster</i> sp. D (Clark)	serpent sun star

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81070	<i>Solaster</i> sp. E (Clark)	Kessler sun star	81370	<i>Thrissacanthias penicillatus</i>	
81071	<i>Solaster</i> sp. F (Clark)	Fisher sun star	81741	<i>Asterias</i> sp.	
81072	<i>Solaster</i> sp. G (Clark)	ocher sun star	81742	<i>Asterias amurensis</i>	purple-orange sea star
81073	<i>Solaster arcticus</i>		81743	<i>Astropecten californicus</i>	
81074	Solasteridae	solasterid sea star unid.	81779	<i>Ctenodiscus</i> sp.	
81080	<i>Solaster paxillatus</i>	evening sun sea star	81780	<i>Ctenodiscus crispatus</i>	common mud star
81090	<i>Crossaster</i> sp.		81820	<i>Leptychaster</i> sp.	
81092	<i>Crossaster borealis</i>	grooved sea star	81829	<i>Leptychaster anomalus</i>	
81093	<i>Crossaster</i> sp. A (Clark)	white rose star	81830	<i>Leptychaster pacificus</i>	
81094	<i>Crossaster</i> sp. B (Clark)	pink rose star	81831	<i>Leptychaster propinquus</i>	
81095	<i>Crossaster papposus</i>	rose sea star	81835	<i>Leptychaster arcticus</i>	North Pacific sea star
81100	<i>Heterozonias alternatus</i>	cannonball sun star	81840	<i>Cladaster validus</i>	
81101	<i>Heterozonias</i> sp.		81841	<i>Cladaster</i> sp.	
81120	<i>Lophaster</i> sp.		81850	<i>Dipsacaster</i> sp.	
81121	<i>Lophaster</i> sp. A (Clark)		81860	<i>Dipsacaster anoplus</i>	
81122	<i>Lophaster</i> sp. B (Clark)		81870	<i>Dipsacaster borealis</i>	northern sea star
81125	<i>Lophaster vexator</i>	crested star	81875	<i>Dipsacaster eximus</i>	
81130	<i>Lophaster furcilliger</i>	crested sea star	81880	<i>Psilaster pectinatus</i>	
81135	<i>Asthenactis fisheri</i>		81890	Benthopectinidae	
81295	<i>Peribolaster biserialis</i>		81908	<i>Cheiraster</i> sp.	
81310	<i>Pteraster</i> sp.		81909	<i>Cheiraster</i> sp. A (Clark 2006)	Aleutian fragile sea star
	<i>Pteraster</i> sp. cf.		81910	<i>Cheiraster dawsoni</i>	fragile sea star
81311	<i>temnochiton</i> (Clark 1999)		81912	<i>Nearchaster variabilis</i>	
81312	<i>Pteraster temnochiton</i>	cushion sea star	81919	<i>Nearchaster</i> sp.	
81313	<i>Pteraster</i> sp. A (Clark 1999)		81920	<i>Nearchaster aciculosus</i>	
81314	<i>Pteraster</i> sp. B (Clark 1997)		81921	<i>Nearchaster pedicellaris</i>	
81315	<i>Pteraster tessellatus</i>		81930	<i>Astronebris tatafilius</i>	
81316	<i>Pteraster jordani</i>		82000	<i>Brisingella pusilla</i>	
81317	<i>Pteraster willsi</i>		82001	<i>Brisingella exilis</i>	
81318	<i>Pteraster</i> sp. D (Clark)		82002	<i>Brisingella</i> sp.	
81319	<i>Pteraster</i> sp. E (Clark)		82003	Brisingidae	brisingid sea star
81320	<i>Pteraster militaris</i>	wrinkled star	82030	Zoroasteridae	
81321	<i>Pteraster marssipus</i>		82035	<i>Sagenaster evermanni</i>	Evermann seastar
81322	<i>Pteraster octaster</i>		82060	<i>Zoroaster ophiurus</i>	
81323	<i>Pteraster</i> sp. F (Clark)		82090	<i>Myxoderma platyacanthum</i>	
	<i>Pteraster tessellatus</i>		82091	<i>Myxoderma sacculatum</i>	
81340	<i>arcuatus</i>		82100	<i>Anteliaster</i> sp.	
81345	<i>Pteraster trigonodon</i>		82101	<i>Anteliaster nannodes</i>	
81350	<i>Pteraster coscinopeplus</i>	deepwater Pteraster	82500	Echinacea	sea urchin unid.
81355	<i>Pteraster obscurus</i>	obscure sea star		<i>Strongylocentrotus</i>	
81356	<i>Pteraster pulvillus</i>		82510	<i>droebachiensis</i>	green sea urchin
81360	<i>Diplopteraster multipes</i>	pincushion sea star	82511	<i>Strongylocentrotus</i> sp.	
81361	<i>Diplopteraster</i> sp.			<i>Strongylocentrotus</i>	
81365	<i>Hymenaster</i> sp.	pancake star	82515	<i>echinoides</i>	

CODE	SPECIES NAME	COMMON NAME	CODE	SPECIES NAME	COMMON NAME
82520	<i>Strongylocentrotus franciscanus</i>	red sea urchin	83025	<i>Astrophyton pardalis</i>	
82522	<i>Strongylocentrotus polyacanthus</i>		83055	Asteronychidae	
82525	<i>Strongylocentrotus purpuratus</i>	purple sea urchin	83060	<i>Asteronyx</i> sp.	
82526	<i>Strongylocentrotus pallidus</i>	white sea urchin	83064	<i>Asteroschema</i> sp.	
82527	<i>Strongylocentrotus</i> sp. A		83065	<i>Asteroschema sublaeve</i>	
82528	<i>Strongylocentrotus</i> sp. B		83070	<i>Asteronyx loveni</i>	serpent sea star
82530	<i>Alloccentrotus fragilis</i>	orange-pink sea urchin	83075	<i>Asteronyx longifissus</i>	
82535	<i>Alloccentrotus</i> sp.		83080	<i>Astrochele laevis</i>	
82650		heart urchin unid.		<i>Astrochele</i> sp. A (Clark 2006)	
82660	<i>Brisaster</i> sp.		83081		
82670	<i>Brisaster townsendi</i>		83090	<i>Astrochele</i> sp.	
82672		large green heart urchin	83310	<i>Ophiura</i> sp.	
82673		oval heart urchin	83311	<i>Ophiura cryptolepis</i>	
82675	<i>Brisaster latifrons</i>	heart urchin	83312	<i>Ophiura quadripina</i>	four spined brittle star
82676	<i>Brisaster owstoni</i>		83313	<i>Ophiura maculata</i>	
82680	<i>Spatangus californicus</i>		83319	<i>Ophiura luetkenii</i>	gray brittle star
82685	<i>Brissopsis pacifica</i>		83320	<i>Ophiura sarsii</i>	notched brittlestar
82690	<i>Marginoproctus</i> sp.		83336	<i>Stegophiura nodosa</i>	
82691	<i>Marginoproctus djakonovi</i>			<i>Amphiophiura</i> sp. A (Clark 2006)	
82730		sand dollar unid.	83337		
82740	<i>Echinarachnius parma</i>	parma sand dollar	83338	<i>Amphiophiura superba</i>	
82741	<i>Dendraster excentricus</i>		83339	<i>Amphiophiura</i> sp.	
82750		crinoid unid.	83340	<i>Stegophiura ponderosa</i>	
82751	<i>Ptilocrinus pinnatus</i>	yellow sea lily	83341	<i>Ophiophthalmus normani</i>	
82755	<i>Heliometra glacialis</i>		83342	<i>Ophiacantha</i> sp.	
82757	<i>Retiometra alascana</i>	Alaskan crinoid	83343	<i>Ophiacantha enneactis</i>	
82760	<i>Florometra</i> sp.		83344	<i>Ophiacantha diplasia</i>	
82761	<i>Florometra acririma</i>			<i>Ophiophthalmus cataleimmoidus</i>	
82765	<i>Florometra inexpectata</i>		83345		
82770	<i>Florometra serratissima</i>	featherstar crinoid	83346	<i>Ophiacantha</i> sp. cf. <i>rhachophora</i>	
82771	<i>Florometra asperrima</i>	common northern feather star	83347	<i>Ophiacantha</i> sp. A	
82772	<i>Psathyrometra fragilis</i>		83348	<i>Ophiacantha bidentata</i>	
82773	<i>Psathyrometra profundorum</i>		83360	<i>Ophiopholis</i> sp.	
82775	<i>Fariometra</i> sp.	dwarf feather star	83390	<i>Ophiopholis longispina</i>	
83000	Ophiuroidea	brittlestar unid.	83391	<i>Ophiopholis japonica</i>	
83010	Ophiuridae		83392	<i>Ophiopholis kennerleyi</i>	
83020	<i>Gorgonocephalus eucnemis</i>	basketstar	83400	<i>Ophiopholis aculeata</i>	ubiquitous brittle star
83021	<i>Gorgonocephalus</i> sp. cf. <i>arcticus</i>		83402	<i>Ophioscolex</i> sp.	
83022	<i>Gorgonocephalus</i> sp.		83403	<i>Ophioscolex corynetes</i>	
			83405	<i>Ophiothrix</i> sp.	
			83406	<i>Ophiothrix spiculata</i>	
			83407	<i>Ophiomusium jolliensis</i>	
			83408	<i>Ophiosphalma</i> sp. cf. <i>jolliensis</i>	

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83409	<i>Ophiomusium</i> sp.		85175	<i>Paracaudina chilensis</i>	rattail sea cucumber
83411	<i>Ophiolebes</i> sp.		85180	<i>Bathyploetes</i> sp.	
83412	<i>Ophiosemmnotes pachyactra</i>	thick spined brittle star	85200	<i>Cucumaria</i> sp.	
83413	<i>Ophiosemmnotes brevispina</i>	short spined brittle star	85201	<i>Cucumaria fallax</i>	sea football
83414	<i>Ophiosemmnotes tylota</i>		85202	<i>Cucumaria frondosa</i>	
83415	<i>Ophiosemmnotes paucispina</i>		85203	Cucumariidae	cucumarid sea cucumbers
83416	<i>Ophiolebes</i> sp. A (Clark 2006)		85205	<i>Apostichopus japonicus</i>	
83417	<i>Ophiolebes</i> sp. B (Clark 2006)		85209	Psolidae	
83418	<i>Ophiolebes</i> sp. C (Clark 2006)		85210	<i>Psolus</i> sp.	
83419	<i>Ophiolebes</i> sp. D (Clark 2006)		85211	<i>Psolus phantapus</i>	
83420	<i>Ophiolebes</i> sp. E (Clark 2006)		85212	<i>Psolus chitonoides</i>	
83421	<i>Ophiolebes</i> sp. F (Clark 2006)		85213	<i>Psolus</i> sp. A (Clark 2006)	
83480	<i>Ophiomusium lymani</i>		85219	<i>Psolus fabricii</i>	brownscaled sea cucumber
83501	<i>Astrophiura</i> sp.		85220	<i>Psolus squamatus</i>	whitescaled sea cucumber
83660	Amphiuridae	burrowing brittle star unid.	85221	<i>Psolus peroni</i>	
83661	<i>Amphiura diomedea</i>		85222	<i>Psolus japonicus</i>	
83700	<i>Amphiodia rossica</i>		85224	<i>Psolidium bullatum</i>	
83701	<i>Amphiodia</i> sp.		85260	<i>Thyonidium</i> sp.	
85000	Holothuroidea	sea cucumber unid.	85261	<i>Thyonidium kurilensis</i>	furry sea cucumber
85010	<i>Cucumaria japonica</i>		85269	<i>Pannychia</i> sp.	
85012	<i>Ocnus</i> sp.		85270	<i>Pannychia moseleyi</i>	deep sea papillate cucumber
85013	<i>Ocnus glacialis</i>		85287	<i>Synallactes</i> sp. A (Clark 2006)	
85015	<i>Parastichopus</i> sp.		85289	<i>Synallactes</i> sp.	
85016	<i>Apostichopus leukothele</i>	giant orange cucumber	85290	<i>Synallactes challengerii</i>	
85020	<i>Apostichopus californicus</i>	California sea cucumber	85310	<i>Paelopatides confundens</i>	swimming sea cucumber
85060	<i>Pseudostichopus</i> sp.		85410	<i>Scotoplanes theeli</i>	
85070	<i>Pseudostichopus mollis</i>	sandy sea cucumber	85411	<i>Scotoplanes</i> sp.	
85080	<i>Chiridota</i> sp.		91000	Porifera	sponge unid.
85081	<i>Chiridota albatrossii</i>		91002		hairy lemon sponge
85085	<i>Myriotrochus rinkii</i>		91005		vase sponge unid.
85110	<i>Molpadia arenicola</i>		91010	Demospongiae	
85115	<i>Molpadia</i> sp.		91014	<i>Haliclona</i> sp.	
85120	<i>Molpadia intermedia</i>	sweet sea potato	91015	<i>Suberites</i> sp.	
85166	<i>Eupentacta</i> sp.		91016	<i>Suberites ficus</i>	
85167	<i>Eupentacta quinquesemita</i>		91017	<i>Suberites</i> sp. A (Clark 2006)	wax sponge
85169	<i>Pentamera lissoplaca</i>	crescent sea cucumber	91018	<i>Pseudosuberites montiniger</i>	peach sponge
85170	<i>Pentamera</i> sp.		91019	<i>Suberites montalbidus</i>	stinky sponge
85171	<i>Pentamera</i> sp. A (Clark 2006)		91020	<i>Suberites domuncula</i>	hermit sponge
			91030	<i>Aphrocallistes vastus</i>	clay pipe sponge
			91035	<i>Heterochone calyx</i>	goblet sponge
			91036	<i>Heterochone tenera</i>	crusty tube sponge
			91037	<i>Rhabdocalyptus mirabilis</i>	

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91038	<i>Phakellia</i> sp.		91083		orange encrusting sponge
91039	<i>Mycale</i> sp.		91084		firm yellow green sponge
91040	<i>Mycale loveni</i>	tree sponge	91085	<i>Leucandra</i> sp. A (Clark 2006)	hairy vase sponge
91041	<i>Mycale</i> sp. A (Clark 2006)	red mycale	91086	<i>Mycale carlilei</i>	trumpet sponge
91042	<i>Mycale adhaerens</i>	smooth scallop sponge	91087	<i>Leucandra tuba</i>	
91044	Geodiidae		91088	<i>Isodictya rigida</i>	soft finger sponge
91046	<i>Geodia mesotriaena</i>	soccer ball sponge	91089	<i>Cladocroce attu</i>	rough hat sponge
91047	<i>Geodia</i> sp.		91090		orange papillate sponge
91048	<i>Acanthascus</i> sp.		91091	<i>Neoesperiopsis</i> sp.	
91049	<i>Halichondria</i> sp.		91092	<i>Esperiopsis flagrum</i>	cheesestick sponge
91050	<i>Halichondria panicea</i>	barrel sponge	91093	<i>Amphilectus digitatus</i>	
91051		neon yellow vase sponge	91094	<i>Mycale tylota</i>	slimy kelp sponge
91052	<i>Leucandra heathi</i>	spiny vase sponge	91096		slimy antler sponge
91053	<i>Rhabdocalyptus</i> sp.	cloud sponge	91097	<i>Leucandra</i> sp.	
91054	<i>Mycale bellabellensis</i>	lampshade sponge	91098	<i>Myxilla pedunculata</i>	
91055		brain sponge	91099	<i>Cladocroce kiska</i>	
91056		funnel sponge	91100	<i>Geodia starki</i>	pita sponge
91057	<i>Stelodoryx oxeata</i>	scapula sponge	91101	<i>Phorbas paucistylifer</i>	
91059	<i>Semisuberites cribrosa</i>	cat-o-nine-tails sponge	91102	<i>Inflatella globosa</i>	yellow ball sponge
91060	<i>Myxilla parasitica</i>	scallop sponge	91103	<i>Acanthascus</i> sp. A	angel-hair vase sponge
91061	<i>Myxilla lacunosa</i>	sulfur sponge	91104	<i>Acanthascus</i> sp. B	thin-lipped vase sponge
91062	<i>Crella brunnea</i>	soft brown sponge	91105	<i>Stelletta</i> sp.	stone sponge
91063	<i>Echinoclathria beringensis</i>	hat sponge	91106	<i>Leucilla nuttingi</i>	
91064	<i>Axinella blanca</i>	firm finger sponge	91109	<i>Amphilectus lobatus</i>	cotton ball sponge
91065	<i>Pachastrellidae</i> sp. 1	mushroom sponge	91110	<i>Polymastia fluegeli</i>	Flugel nipples sponge
91066	<i>Histodermella kagigunensis</i>	spud sponge	91111	<i>Polymastia robusta</i>	long nipples sponge
91067	<i>Tedania kagalaskai</i>	club sponge	91112	<i>Weberella bursa</i>	pale mammilated sponge
91068	<i>Monanchora pulchra</i>	yellow leafy sponge		<i>Polymastia</i> sp. A (Clark 2006)	prolific nipple sponge
91069	<i>Tethya</i> sp.	ball sponge	91113	<i>Polymastia</i> sp. C (Clark 2006)	red nipple sponge
91070	<i>Hyalonema</i> sp.	fiber optic sponge	91114		
91071		staghorn sponge	91115	<i>Phorbas</i> sp.	
91072		orange ball sponge	91120	<i>Vulcanella</i> sp. 1	fuzzy cratered sponge
91073	<i>Leucosolenia</i> sp.		91121	<i>Vulcanella</i> sp.	
91074	<i>Polymastia</i> sp.		91125	<i>Tentorium semisuberites</i>	two nipple sponge
91075	<i>Polymastia pacifica</i>	orange nipple-ball sponge	91127	<i>Craniella villosa</i>	tennis ball sponge
91076		orange sponge	91128	<i>Ancorina buldira</i>	
91077		yellow bowl sponge	91201	<i>Sycon compactum</i>	hairy urn sponge
91078	<i>Polymastia pachymastia</i>	black-orange spud sponge	91210	<i>Oscarella lobularis</i>	stalked ball sponge
91079		black papillate sponge	91211	<i>Stylocordyla borealis</i>	slender stalked sponge
		yellow green papillate sponge	91212	<i>Stylocordyla eous</i>	
91080		yellow papillate sponge	91213	<i>Stylocordyla</i> sp.	lollipop sponge
91081		yellow papillate sponge	91215	<i>Plakina tanaga</i>	white convoluted sponge
	<i>Polymastia</i> sp. B (Clark 2006)	orange nipple ball sponge	91217	<i>Plakina atka</i>	red convoluted sponge

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91220	<i>Tedania dirhaphis</i>	rough bread crumb sponge	91721	<i>Farrea beringiana</i>	Bering lace sponge
91221	<i>Tedania</i> sp.		91722	<i>Farrea occa</i>	
91224	<i>Latrunculia velera</i>		91725	<i>Regadrella okinoseana</i>	lacy basket sponge
91225	<i>Latrunculia</i> sp.		91995	Porifera erect	erect sponge morphotype
91226	<i>Latrunculia oparinae</i>	green papillate sponge	91996	Porifera encrusting	encrusting sponge morphotype
91227	<i>Latrunculia</i> sp. B (Clark 2006)	smooth green sponge	91997	Porifera ball	ball sponge morphotype
91228	<i>Hymeniacion assimilis</i>		91998	Porifera tubular	tubular sponge morphotype
91230	<i>Axinella</i> sp.	firm gray sponge	92000	Platyhelminthes	flatworm unid.
91231	<i>Axinella rugosa</i>		92021	Polycladida	polyclad flatworm unid.
91237	<i>Stelodoryx alaskensis</i>	Alaskan lobed sponge	92400	Acoelida	acoel turbellarian
91238	<i>Echinoclathria</i> sp. A (Clark 2006)	fuzzy tree sponge	92500	Nemertea	nemertean worm unid.
91239	<i>Echinoclathria</i> sp.		92502	<i>Emplectonema</i> sp.	
91241	<i>Halichondria oblonga</i>	ginseng sponge	92505	<i>Emplectonema</i> sp. (Clark 2006)	black specked ribbon worm
91249	Cladorhizidae		92510	<i>Tubulanus</i> sp.	
91250	<i>Chondrocladia gigantea</i>	carnivorous cattail sponge	92511	<i>Tubulanus polymorphus</i>	orange ribbon worm
91251	<i>Asbestopluma</i> sp. A (Clark 2006)	fuzzy sponge	92512	<i>Tubulanus</i> sp. A (Clark 2006)	red ribbon worm
91252	<i>Asbestopluma ramosa</i>		92802	<i>Cerebratulus californienesis</i>	light-edged ribbon worm
91255	<i>Cornulum clathriata</i>	lattice sponge	92900	Maldanidae	bamboo worm unid.
91256	<i>Isodictya</i> sp.		93100	Priapulida	priapulid worm unid.
91257	<i>Isodictya palmata</i>	prickly pear sponge	93101	<i>Priapulid</i> sp.	
91260	<i>Chondrocladia concrescens</i>	lobed tree sponge	93102	<i>Priapulid caudatus</i>	
91261	<i>Monanchora alaskensis</i>		93150	Chaetognatha	arrow worm unid.
91262	<i>Halichondria sitiens</i>		93500	Nematoda	nematode worm unid.
91263	<i>Monanchora laminachela</i>		94000	Sipuncula	peanut worm unid.
91264	<i>Haliclona</i> sp. 2 (Stone et al., 2011)		94001	<i>Golfingia margaritacea</i>	
91265	<i>Haliclona digitata</i>		94011	Phascolosomatidae	
91266	<i>Artemisina</i> sp.		94500	Echiura	echiuroid worm unid.
91267	<i>Artemisina arcigera</i>		94501	<i>Bonelliopsis alaskana</i>	
91268	<i>Artemisina amlia</i>		94502	<i>Hamingia arctica</i>	
91269	<i>Artemisina stipitata</i>	stipitata	94900	Phoronida	phoronida tube worm unid.
91270	<i>Cladocroce ventilabrum</i>		95000	Bryozoa	bryozoan unid.
91271	<i>Cladocroce infundibulum</i>		95004	<i>Leieschara</i> sp.	
91272	<i>Haliclona primitiva</i>		95005	<i>Myriapora</i> sp. cf. <i>subgracilis</i> (Bayer et al.)	
91273	<i>Haliclona bucina</i>	Drumm et al.	95006	<i>Myriapora orientalis</i>	
91274	<i>Biemna</i> sp.		95007	<i>Myriapora</i> sp.	
91700	Hexactinellida	glass sponge unid.	95010		bryozoan sp. A unid.
91701	<i>Staurocalyptus</i> sp.		95011		fluffy sponge
91704	<i>Geodinella</i> sp.		95015	<i>Phidolopora pacifica</i>	lattice-work bryozoan
91705	<i>Geodinella lendenfeldi</i>	calcareous finger sponge	95016	<i>Bugula</i> sp.	
91710	<i>Aulosaccus schulzei</i>	vase sponge	95017	<i>Bugula pacifica</i>	
91720	<i>Farrea</i> sp.		95020	<i>Eucratea loricata</i>	feathery bryozoan

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95030	<i>Flustra serrulata</i>	leafy bryozoan	98079	<i>Pelonaia corrugata</i>	
95031	<i>Carbasea</i> sp.		98080	<i>Styela</i> sp.	
95032	<i>Tegella magnipora</i>		98082	<i>Styela rustica</i>	sea potato
95035	<i>Flustrellidra corniculata</i>		98083	<i>Styela</i> sp. A (Clark 2006)	Aleutian long-stalked tunicate
95036	<i>Alcyonidium pedunculatum</i>		98084	<i>Styela</i> sp. B (Clark 2006)	hexagonal tunicate
95037	<i>Alcyonidium</i> sp. A	medusa bryozoan	98085	<i>Dendrodoa aggregata</i>	
95038	<i>Alcyonidium</i> sp.		98100	<i>Boltenia</i> sp.	
95039	<i>Alcyonidium disciforme</i>	disc bryozoan	98101	<i>Boltenia villosa</i>	
95040	<i>Myriapora subgracilis</i>		98102	<i>Boltenia ecinata</i>	
95041	<i>Alcyonidium enteromorpha</i>	noodle bryozoan	98105	<i>Boltenia ovifera</i>	sea onion
95045	<i>Idmidronea</i> sp.		98110	Polycitoridae	polycitorid tunicates
95050	<i>Porella compressa</i>	flattened bryozoan	98200	<i>Halocynthia</i> sp.	sea peach unid.
95051	<i>Porella</i> sp.		98204	<i>Halocynthia igaboja</i>	bristly tunicate
95060	<i>Escharopsis sarsi</i>		98205	<i>Halocynthia aurantium</i>	sea peach
95070	<i>Rhaphostomella costata</i>	ribbed bryozoan	98206	<i>Cnemidocarpa finmarkiensis</i>	broad base tunicate
95071	<i>Hippoporina insculpta</i>		98207	<i>Pyura haustor</i>	wrinkled tunicate
95072	<i>Hippodiplosia</i> sp.		98208	<i>Pyura</i> sp.	
95080	<i>Celleporina ventricosa</i>	coral bryozoan	98210	<i>Distaplia</i> sp.	
95085	<i>Celleporina</i> sp.		98212	<i>Distaplia occidentalis</i>	globular ascidian
95090	<i>Tubulipora</i> sp.	tubular bryozoan	98213	<i>Distaplia smithi</i>	paddle ascidian
95095	<i>Membranipora</i> sp.		98214	<i>Distaplia</i> sp. A (Clark 2006)	peach ascidian
95100	<i>Microporina articulata</i>		98219	<i>Aplidium californicum</i>	california sea pork
95102	<i>Microporina</i> sp.		98220	<i>Botrylloides</i> sp.	
95103	<i>Heteropora</i> sp.		98225	<i>Botryllus schlosseri</i>	golden star ascidian
95104	<i>Heteropora alaskensis</i>		98300		compound ascidian unid.
95105	<i>Dendrobeania</i> sp.		98302	<i>Amaroucium</i> sp.	
97000	Brachiopoda	lampshell unid.			sand-grain imbedded ascidian
97010	Hemithyrididae	hemithyrid brachiopods	98303	<i>Amaroucium soldatovi</i>	
97100	<i>Terebratulina</i> sp.		98304	Cionidae	cionid tunicates
97110	<i>Terebratalia transversa</i>	common brachiopod	98307	<i>Corella willmeriana</i>	
97111	<i>Frieleia halli</i>	Hall lamp shell	98308	Corellidae	corellid tunicates
97115	<i>Terebratulina unguicula</i>	snakeshead brachiopod	98309	<i>Chelyosoma orientale</i>	
97116	<i>Laqueus californianus</i>	California lamp shell	98310	<i>Aplidium</i> sp. A (Clark 2006)	sea glob
97117	<i>Laqueus vancouverensis</i>	Vancouver lampshell	98311	<i>Aplidium n.</i> sp. A	orange Aplidium
97120	<i>Hemithiris psittacea</i>	black brachiopod	98312	<i>Aplidium</i> sp.	
98000	Ascidacea	tunicate unid.	98319	<i>Trididemnum</i> sp.	
98001	Ascidian n. sp. A	cow-eye tunicate	98320	<i>Synoicum</i> sp.	sea blob
98002	Ascidian n. sp. B	transparent tunicate	98321	<i>Trididemnum opacum</i>	purple-gray ascidian
98003		sea pickle	98322	<i>Ascidia paratropa</i>	glassy tunicate
98070	Thaliacea	salp unid.	98323	<i>Ciona savignyi</i>	
98071	<i>Pyrosoma atlanticum</i>		98324	<i>Halocynthia hispidus</i>	hairy tunicate
98072	<i>Thetys vagina</i>	common salp	98325	Didemnidae	
98073		pineapple tunicate			

LIST
1
NUMERICAL LISTING OF ALL SPECIES

CODE	SPECIES NAME	COMMON NAME
98330		brown leafy compound tunicate
98331	<i>Chelyosoma productum</i>	disc-top tunicate
98332	<i>Chelyosoma macleayanum</i>	
98340	<i>Polyclinum planum</i>	
99900	<i>Molgula</i> sp.	
99902	<i>Molgula griffithsii</i>	sea grape
99904	<i>Molgula retortiformis</i>	sea clod
99910		neon yellow ascidian
99981	<i>Craniella craniana</i>	baseball sponge
99982	<i>Craniella spinosa</i>	furry ball sponge
99983	<i>Craniella sputnika</i>	spiky ball sponge
99984	<i>Craniella</i> sp. B	knobby ball sponge
99985	<i>Craniella sigmoanchoratum</i>	spiny ball sponge
99987	<i>Craniella</i> sp.	puffball sponges
99988	<i>Craniella arb</i>	
99990		invertebrate unid.
99991		empty barnacle shells
99992		invertebrate egg unid.
99993		empty bivalve shells
99994		empty gastropod shells
99997		unsorted catch and debris
99998	<i>Polychaete</i> tubes	
99999		unsorted shab

CODE	NAME	CODE	NAME	CODE	NAME
22237	abyssal snailfish	23806	<i>Anisarchus medius</i>	21336	<i>Artediellus gomojunovi</i>
22271	<i>Acantholiparis opercularis</i>	20055	<i>Anoplagonus inermis</i>	21332	<i>Artediellus miacanthus</i>
23809	<i>Acantholumpenus mackayi</i>	23866	<i>Anoplarchus insignis</i>	21333	<i>Artediellus pacificus</i>
25120	<i>Acipenser medirostris</i>	23865	<i>Anoplarchus purpureus</i>	21334	<i>Artediellus scaber</i>
25100	Acipenseridae	20420	<i>Anoplogaster cornuta</i>	21331	<i>Artediellus</i> sp.
30035	<i>Adelosebastes latens</i>	20510	<i>Anoplopoma fimbria</i>	21335	<i>Artediellus uncinatus</i>
23622	Adler waryfish	22570	<i>Anotopterus nikparini</i>	21362	<i>Artedius fenestralis</i>
20000	Agonidae	20577	<i>Antherinopsis californiensis</i>	21363	<i>Artedius lateralis</i>
20015	<i>Agonopsis vulsa</i>	21731	<i>Antimora microlepis</i>	20050	<i>Aspidophoroides monopterygius</i>
24111	Alaska eelpout	21388	antlered sculpin	20105	<i>Asquamiceps caeruleus</i>
10285	Alaska plaice	23944	<i>Aphanopus arigato</i>	10112	<i>Atheresthes evermanni</i>
471	Alaska skate	210	<i>Apristurus brunneus</i>	10111	<i>Atheresthes</i> sp.
474	Alaska skate egg case	201	<i>Apristurus brunneus</i> egg case	10110	<i>Atheresthes stomias</i>
22235	Alaska snailfish	212	<i>Apristurus kampae</i>	20575	Atherinidae
22180	Alaskan lumpsucker	213	<i>Apristurus</i> sp.	20576	<i>Atherinops affinis</i>
20712	Alaskan ronquil	22175	<i>Aptocyclus ventricosus</i>	21921	Atka mackerel
23657	<i>Alepisaurus ferox</i>	21359	<i>Archistes biseriatus</i>	20007	Atlantic poacher
20100	Alepocephalidae	21349	<i>Archistes plumarius</i>	20542	<i>Aulorhynchus flavidus</i>
20110	<i>Alepocephalus</i> sp.	20051	Arctic alligatorfish	30090	aurora rockfish
20120	<i>Alepocephalus tenebrosus</i>	23250	Arctic char	22704	<i>Avocettina infans</i>
20050	Aleutian alligatorfish	21725	Arctic cod	22703	<i>Avocettina</i> sp.
30035	Aleutian scorpionfish	24197	Arctic eelpout	20121	<i>Bajacalifornia burragei</i>
472	Aleutian skate	10155	Arctic flounder	20122	<i>Bajacalifornia megalops</i>
473	Aleutian skate egg case	21335	Arctic hooker sculpin	21343	banded Irish lord
22217	<i>Allocareproctus jordani</i>	20203	Arctic sand lance	30575	bank rockfish
22272	<i>Allocareproctus kallaion</i>	21378	Arctic sculpin	21847	barbeled dragonfish
22270	<i>Allocareproctus</i> sp.	23804	Arctic shanny	22951	barracudina unid.
22218	<i>Allocareproctus tanix</i>	21315	Arctic staghorn sculpin	21484	barred sand bass
22274	<i>Allocareproctus unangas</i>	22956	<i>Arctozenus risso</i>	21501	barred surfperch
22273	<i>Allocareproctus ungak</i>	20570	Argentiformes	23962	barreleye
22390	<i>Allocyttus folletti</i>	20573	<i>Argentina sialis</i>	20902	basketweave cusk-eel
23030	<i>Allosmerus elongatus</i>	20571	argentine unid.	242	basking shark
180	<i>Alopias vulpinus</i>	20571	Argentinidae	20916	<i>Bassozetus zenkevitchi</i>
21120	<i>Alosa sapidissima</i>	21824	<i>Argyropelecus affinis</i>	22420	<i>Bathophilus flemingi</i>
21120	American shad	21823	<i>Argyropelecus lychnus</i>	20035	<i>Bathylagus alascanus</i>
20203	<i>Ammodytes hexapterus</i>	21821	<i>Argyropelecus sladeni</i>	20036	<i>Bathylagus infraspinus</i>
20204	<i>Ammodytes personatus</i>	21822	<i>Argyropelecus</i> sp.	20038	<i>Bathylagus nigripinnis</i>
20202	<i>Ammodytes</i> sp.	26053	<i>Aristostomias scintillans</i>	20037	<i>Bathylagus pentacanthus</i>
21501	<i>Amphistichus argenteus</i>	20995	armored redmouth whalefish	20034	<i>Bathylagus</i> sp.
21502	<i>Amphistichus rhodoterus</i>	21316	armorhead sculpin	20871	<i>Bathylaco nigricans</i>
20322	<i>Anarhichas orientalis</i>	20915	arrowtail	20614	Bathylagidae
20320	<i>Anarrhichthys ocellatus</i>	10110	arrowtooth flounder	20620	<i>Bathylagus milleri</i>
23950	Anguilliformes	21328	<i>Artediellus camchaticus</i>	20624	<i>Bathylagus ochotensis</i>

CODE	NAME	CODE	NAME	CODE	NAME
20615	<i>Bathylagus pacificus</i>	23943	<i>Benthodesmus</i> sp.	30052	blackspotted rockfish
20619	<i>Bathylagus</i> sp.	21815	benttooth bristlemouth	22220	blacktail snailfish
23964	<i>Bathylychnops exilis</i>	23310	Bering cisco	20020	blacktip poacher
23963	<i>Bathylychnops</i> sp.	24195	Bering eelpout	21397	<i>Blepsias bilobus</i>
20712	<i>Bathymaster caeruleofasciatus</i>	10140	Bering flounder	21398	<i>Blepsias cirrhosus</i>
20722	<i>Bathymaster derjugini</i>	10141	Bering flounder (juvenile)	21395	blob sculpin
20713	<i>Bathymaster leurolepis</i>	20061	Bering poacher	22206	blotched snailfish
20720	<i>Bathymaster signatus</i>	435	Bering skate	22651	blue lanternfish
20700	Bathymasteridae	20322	Bering wolffish	30360	blue rockfish
410	<i>Bathyraja abyssicola</i>	420	<i>Beringraja binoculara</i>	351	blue shark
411	<i>Bathyraja abyssicola</i> egg case	22901	<i>Bertella idiomorpha</i>	23802	bluebarred prickleback
472	<i>Bathyraja aleutica</i>	24183	bicolor eelpout	20722	bluecheek ronquil
473	<i>Bathyraja aleutica</i> egg case	420	big skate	20021	bluespotted poacher
435	<i>Bathyraja interrupta</i>	20037	bigeye poacher	20572	bluethroat argentine
436	<i>Bathyraja interrupta</i> egg case	21351	bigeye sculpin	22276	bluntnose snailfish
475	<i>Bathyraja lindbergi</i>	22240	bigeye snailfish	30400	bocaccio
476	<i>Bathyraja lindbergi</i> egg case	24140	bigfin eelpout	21337	<i>Bolinia euryptera</i>
480	<i>Bathyraja maculata</i>	22207	bighead snailfish	20871	bonythroat
481	<i>Bathyraja maculata</i> egg case	21420	bigmouth sculpin	21725	<i>Boreogadus saida</i>
483	<i>Bathyraja mariposa</i>	21422	bigmouth sculpin egg	22450	<i>Borostomias panamensis</i>
484	<i>Bathyraja mariposa</i> egg case	10041	bigmouth sole	10003	Bothidae
485	<i>Bathyraja minispinosa</i>	22300	bigscale unid.	24110	<i>Bothrocara brunneum</i>
486	<i>Bathyraja minispinosa</i> egg case	24233	bigtooth eelpout	24116	<i>Bothrocara brunneum</i> (juvenile)
477	<i>Bathyraja panthera</i>	30155	black and yellow rockfish	24115	<i>Bothrocara hollandi</i>
478	<i>Bathyraja panthera</i> egg case	21811	black bristlemouth	24120	<i>Bothrocara molle</i>
471	<i>Bathyraja parmifera</i>	24190	black eelpout	24114	<i>Bothrocara nyx</i>
474	<i>Bathyraja parmifera</i> egg case	110	black hagfish	24111	<i>Bothrocara pusillum</i>
490	<i>Bathyraja smirnovi</i>	22627	black lanternfish	24220	<i>Bothrocara</i> sp.
405	<i>Bathyraja</i> sp.	30330	black rockfish		<i>Bothrocara</i> sp. cf. <i>brunneum</i>
402	<i>Bathyraja</i> sp. egg case	30580	black rockfish unid.	24109	group
406	<i>Bathyraja spinosissima</i>	21596	black swallower	24112	<i>Bothrocara zestum</i>
455	<i>Bathyraja taranetzi</i>	21845	blackbelly dragonfish	22222	Bowers Bank snailfish
456	<i>Bathyraja taranetzi</i> egg case	24200	blackbelly eelpout	20842	<i>Brama japonica</i>
460	<i>Bathyraja trachura</i>	22595	blackchin	21332	bride sculpin
461	<i>Bathyraja trachura</i> egg case	20038	blackfin poacher	21360	brightbelly sculpin
495	<i>Bathyraja violacea</i>	21340	blackfin sculpin	21800	bristlemouth unid.
20803	Batrachoididae	22228	blackfin snailfish	22203	Bristol snailfish
24240	bearded eelpout	30340	blackgill rockfish	22623	broadfin lanternfish
23843	bearded warbonnet	22704	blackline snipe eel	21337	broadfin sculpin
21376	belligerent sculpin	22216	blacklip snailfish	22231	broadfin snailfish
23603	<i>Benthalbella dentata</i>	24160	blackmouth eelpout	30025	broadfin thornyhead
23602	<i>Benthalbella</i> sp.	21439	blacknose sculpin	22625	brokenline lampfish
23942	<i>Benthodesmus pacificus</i>	20619	blacksmelt unid.	30250	bronzespotted rockfish

CODE	NAME	CODE	NAME	CODE	NAME
20930	<i>Brosmophycis marginata</i>	22246	<i>Careproctus comus</i>	21010	<i>Chauliodus macouni</i>
210	brown cat shark	22221	<i>Careproctus curilanus</i>	21009	<i>Chauliodus</i> sp.
201	brown cat shark egg case	22228	<i>Careproctus cypselurus</i>	22217	cherry snailfish
21344	brown Irish lord	22224	<i>Careproctus ectenes</i>	20060	<i>Chesnonia verrucosa</i>
30080	brown rockfish	22275	<i>Careproctus faunus</i>	21596	<i>Chiasmodon niger</i>
340	brown smoothhound	22229	<i>Careproctus furcellus</i>	21594	Chiasmodontidae
22279	brown snailfish	22233	<i>Careproctus gilberti</i>	20901	<i>Chilara taylori</i>
23961	brownsnout spookfish	22258	<i>Careproctus lerikimae</i>	30260	chilipepper
23861	<i>Bryozoichthys lysimus</i>	22245	<i>Careproctus lycopersicus</i>	30370	China rockfish
23862	<i>Bryozoichthys marjorius</i>	22220	<i>Careproctus melanurus</i>	23220	chinook salmon
23863	<i>Bryozoichthys</i> sp.	22248	<i>Careproctus microstomus</i>	23841	<i>Chirolophis decoratus</i>
22280	bubblehead snailfish	22227	<i>Careproctus nelsoni</i>	23851	<i>Chirolophis nugator</i>
21386	buffalo sculpin	22247	<i>Careproctus oregonensis</i>	23843	<i>Chirolophis snyderi</i>
21389	bull sculpin	22251	<i>Careproctus ostentum</i>	23840	<i>Chirolophis</i> sp.
10270	butter sole	22237	<i>Careproctus ovigerus</i>	23844	<i>Chirolophis tarsodes</i>
23900	butterfish unid.	22226	<i>Careproctus phasma</i>	21366	<i>Chitonotus pugetensis</i>
21348	butterfly sculpin	22236	<i>Careproctus rastrinus</i>	151	Chondrichthyes
483	butterfly skate	22232	<i>Careproctus scottae</i>	23524	chub mackerel
484	butterfly skate egg case	22223	<i>Careproctus simus</i>	23235	chum salmon
10290	C-O sole	22219	<i>Careproctus</i> sp.	10010	<i>Citharichthys sordidus</i>
21330	cabazon	22234	<i>Careproctus</i> sp. cf. <i>gilberti</i> (Orr)	10008	<i>Citharichthys</i> sp.
21204	<i>Caelorinchus scaphopsis</i>	22259	<i>Careproctus</i> sp. F	10020	<i>Citharichthys stigmaeus</i>
20105	caerulean slickhead	22256	<i>Careproctus staufferi</i>	10009	<i>Citharichthys xanthostigma</i>
30180	calico rockfish	22239	<i>Careproctus zachirus</i>	10240	<i>Clidoderma asperrimum</i>
22647	California flashlightfish	22461	<i>Caristius macropus</i>	21327	<i>Clinocottus acuticeps</i>
21201	California grenadier	151	cartilaginous fish unid.	21110	<i>Clupea pallasii</i>
10050	California halibut	200	cat shark unid.	21705	cod unid.
22610	California headlightfish	20921	<i>Cataetx rubrirostris</i>	21726	codlings unid.
22656	California lanternfish	20920	<i>Cataetx</i> sp.	23225	coho salmon
27051	California lizardfish	22924	<i>Caulophryne jordani</i>	23562	<i>Cololabis saira</i>
31501	California scorpionfish	22925	<i>Caulophryne pelagica</i>	22272	combed snailfish
425	California skate	311	<i>Centrosyllium nigrum</i>	311	combtooth dogfish
20120	California slickhead	214	<i>Cephaloscyllium ventriosum</i>	22283	comet snailfish
20662	California smoothtongue	20980	Ceratiidae	22246	comic snailfish
10400	California tonguefish	20960	Ceratioidei	475	Commander skate
24188	Canadian eelpout	22630	<i>Ceratoscopelus townsendi</i>	476	Commander skate egg case
30410	canary rockfish	20990	Cetomimidae	20971	common blackdevil
23041	capelin	242	<i>Cetorhinus maximus</i>	30120	copper rockfish
22230	<i>Careproctus abbreviatus</i>	22919	<i>Chaenophryne draco</i>	24394	coral eelpout
22222	<i>Careproctus bowersianus</i>	22917	<i>Chaenophryne longiceps</i>	23310	<i>Coregonus laurettae</i>
22240	<i>Careproctus candidus</i>	22918	<i>Chaenophryne melanorhabdus</i>	21220	<i>Coryphaenoides acrolepis</i>
22225	<i>Careproctus canus</i>	30570	chameleon rockfish	21232	<i>Coryphaenoides cinereus</i>
22235	<i>Careproctus colletti</i>	21000	Chauliodontinae	21238	<i>Coryphaenoides filifer</i>

CODE	NAME	CODE	NAME	CODE	NAME
21239	<i>Coryphaenoides longifilis</i>	23960	<i>Dolichopteryx</i> sp.	22179	<i>Eumicrotremus derjugini</i>
21230	<i>Coryphaenoides pectoralis</i>	23252	Dolly Varden	22180	<i>Eumicrotremus gyrynops</i>
21210	<i>Coryphaenoides</i> sp.	22234	dominator snailfish	22178	<i>Eumicrotremus orbis</i>
21300	Cottidae	10180	Dover sole	22190	<i>Eumicrotremus phrynoides</i>
30300	cowcod	20002	dragon poacher	22183	<i>Eumicrotremus</i> sp.
23873	crescent gunnel	22900	dreamer unid.	21423	<i>Eurymen gyrinus</i>
22310	crested bigscale	22952	duckbill barracudina	29990	<i>Eurypharynx pelecanaoides</i>
21397	crested sculpin	30150	dusky and dark rockfishes unid.	21405	eyeshade sculpin
23791	<i>Cryptacanthodes aleutensis</i>	30152	dusky rockfish	28001	<i>Facciolella gilbertii</i>
23792	<i>Cryptacanthodes giganteus</i>	21437	dusky sculpin	22924	fanfin angler
20981	<i>Cryptopsaras coesii</i>	22258	dusty snailfish	20420	fangtooth
22206	<i>Crystallichthys cyclospilus</i>	23791	dwarf wrymouth	10060	fantail sole
10280	curlfin sole	24187	ebony eelpout	22265	festive snailfish
20900	cusks-eel unid.	22284	ebony snailfish	21238	filamented grenadier
22170	Cyclopteridae	23950	eel unid.	211	filetail cat shark
21815	<i>Cyclothone acclinidens</i>	24100	eelpout unid.	24192	fish doctor
21811	<i>Cyclothone atraria</i>	22215	<i>Elassodiscus caudatus</i>	1	fish egg unid.
21812	<i>Cyclothone pseudopallida</i>	22214	<i>Elassodiscus</i> sp.	2	fish larvae unid.
21813	<i>Cyclothone signata</i>	22216	<i>Elassodiscus tremebundus</i>	3	fish unid.
21810	<i>Cyclothone</i> sp.	21735	<i>Eleginus gracilis</i>	21305	flabby sculpin
21510	<i>Cymatogaster aggregata</i>	21737	<i>Eleginus gracilis</i> (adult)	20990	flabby whalefishes
30151	dark rockfish	21736	<i>Eleginus gracilis</i> (juvenile)	30480	flag rockfish
30170	darkblotched rockfish	22229	emarginate snailfish	22401	<i>Flagellostomias boureei</i>
21341	darkfin sculpin	10190	<i>Embassichthys bathybius</i>	10002	flatfish larvae
21390	<i>Dasycottus setiger</i>	21506	<i>Embiotoca lateralis</i>	10001	flatfish unid.
23805	daubed shanny	21500	Embiotocidae	10130	flathead sole
30185	deacon rockfish	10170	English sole	20071	fourhorn poacher
23841	decorated warbonnet	20610	<i>Engraulis mordax</i>	21377	fourhorn sculpin
410	deepsea skate	21386	<i>Enophrys bison</i>	23803	fourline snakeblenny
411	deepsea skate egg case	21388	<i>Enophrys diceraus</i>	30295	freckled rockfish
20614	deepsea smelt unid.	21387	<i>Enophrys lucasi</i>	21318	fringed sculpin
10190	deepsea sole	21384	<i>Enophrys</i> sp.	21373	frog sculpin
24158	deepwater eelpout	21389	<i>Enophrys taurina</i>	21309	frogmouth sculpin
23933	<i>Desmodema lorum</i>	10160	<i>Eopsetta jordani</i>	21705	Gadidae
10145	diamond turbot	110	<i>Eptatretus deani</i>	21740	<i>Gadus chalcogrammus</i>
22609	<i>Diaphus</i> sp.	109	<i>Eptatretus</i> sp.	21742	<i>Gadus chalcogrammus</i> (adult)
22610	<i>Diaphus theta</i>	120	<i>Eptatretus stouti</i>	21741	<i>Gadus chalcogrammus</i> (juvenile)
20910	<i>Dicrolene filamentosa</i>	23010	eulachon	21744	<i>Gadus chalcogrammus</i> larva
20908	<i>Dicrolene</i> sp.	23803	<i>Eumesogrammus praecisus</i>	21720	<i>Gadus macrocephalus</i>
24182	dipline eelpout	39100	<i>Eumetopias jubatus</i>	21722	<i>Gadus macrocephalus</i> (adult)
22176	docked snailfish	22182	<i>Eumicrotremus andriashevi</i>	21721	<i>Gadus macrocephalus</i> (juvenile)
28001	dogface witch-eel	22184	<i>Eumicrotremus barbatus</i>	332	<i>Galeorhinus galeus</i>
23961	<i>Dolichopteryx longipes</i>	22177	<i>Eumicrotremus birulai</i>	22603	garnet lampfish

CODE	NAME	CODE	NAME	CODE	NAME
21752	<i>Gasterosteus aculeatus</i>	21314	<i>Gymnocanthus pistilliger</i>	10121	<i>Hippoglossus stenolepis</i> (juvenile)
22212	gelatinous seasnail	21313	<i>Gymnocanthus</i> sp.	23712	<i>Holtbyrnia innesi</i>
23402	<i>Genyonemus lineatus</i>	21315	<i>Gymnocanthus tricuspis</i>	23711	<i>Holtbyrnia</i> sp.
21230	giant grenadier	22257	<i>Gyrinichthys minytremus</i>	30045	honeycomb rockfish
23792	giant wrymouth	100	hagfish unid.	21333	hookhorn sculpin
24404	<i>Gibbonsia metzi</i>	21379	hairhead sculpin	10281	hornyhead turbot
22921	<i>Gigantactis microdontis</i>	22914	hairy-lure dreamer	28533	<i>Howella brodiei</i>
21150	<i>Gigantactis</i> sp.	21727	<i>Halargyreus johnsonii</i>	28532	<i>Howella sherborni</i>
22920	<i>Gigantactis vanhoeffeni</i>	30500	halfbanded rockfish	22215	humpback snailfish
23970	<i>Gigantura indica</i>	24194	halfbarred eelpout	21732	hundred fathom codling
21383	<i>Gilbertidia sigalutes</i>	22121	halfmoon	10122	hybrid sole
23590	glowingfish	21334	hamecon		hybrid starry flounder X Alaska plaice
10200	<i>Glyptocephalus zachirus</i>	22264	hardhead snailfish	10221	plaice
10201	<i>Glyptocephalus zachirus</i> larvae	30535	harlequin rockfish	710	<i>Hydrolagus colliei</i>
21770	Gobiidae	21820	hatchetfish unid.	711	<i>Hydrolagus colliei</i> egg case
21770	goby unid.	21343	<i>Hemilepidotus gilberti</i>	22640	<i>Hygophum reinhardtii</i>
490	golden skate	21346	<i>Hemilepidotus hemilepidotus</i>	21515	<i>Hyperprosopon anale</i>
22274	goldeneye snailfish	21347	<i>Hemilepidotus jordani</i>	21503	<i>Hyperprosopon argenteum</i>
21818	<i>Gonostoma</i> sp.	21348	<i>Hemilepidotus papilio</i>	23071	<i>Hypomesus olidus</i>
21800	Gonostomatidae	21342	<i>Hemilepidotus</i> sp.	23020	<i>Hypomesus pretiosus</i>
30110	gopher rockfish	21344	<i>Hemilepidotus spinosus</i>	20071	<i>Hypsagonus quadricornis</i>
22281	grand snailfish	21345	<i>Hemilepidotus zapus</i>	10145	<i>Hypsopsetta guttulata</i>
30450	grass rockfish	21420	<i>Hemitripterus bolini</i>	21311	<i>Icelinus borealis</i>
30255	gray rockfish	21422	<i>Hemitripterus bolini</i> egg	21437	<i>Icelinus burchami</i>
341	gray smoothhound	21421	<i>Hemitripterus villosus</i>	21310	<i>Icelinus filamentosus</i>
22225	gray snailfish	21900	Hexagrammidae	21318	<i>Icelinus fimbriatus</i>
20035	gray starsnout	21935	<i>Hexagrammos decagrammus</i>	21309	<i>Icelinus oculatus</i>
21370	great sculpin	21934	<i>Hexagrammos lagocephalus</i>	21307	<i>Icelinus</i> sp.
25120	green sturgeon	21931	<i>Hexagrammos octogrammus</i>	21312	<i>Icelinus tenuis</i>
30611	greenblotched rockfish	21930	<i>Hexagrammos</i> sp.	21439	<i>Icelus canaliculatus</i>
10115	Greenland turbot	21932	<i>Hexagrammos stelleri</i>	21440	<i>Icelus euryops</i>
10116	Greenland turbot (juvenile)	222	<i>Hexanchus griseus</i>	21446	<i>Icelus</i> sp.
21900	greenling unid.	23865	high cockscomb	21441	<i>Icelus spatula</i>
30130	greenspotted rockfish	21353	highbrow sculpin	21438	<i>Icelus spiniger</i>
30200	greenstriped rockfish	22420	highfin dragonfish	21443	<i>Icelus uncinialis</i>
21200	grenadier unid.	22320	highsnout bigscale	23915	<i>Icichthys lockingtoni</i>
21415	grunt sculpin	10041	<i>Hippoglossina stomata</i>	22010	<i>Icosteus aenigmaticus</i>
23871	gunnel unid.	10130	<i>Hippoglossoides elassodon</i>	22110	<i>Idiacanthus antrostomus</i>
24194	<i>Gymnelus hemifasciatus</i>	10140	<i>Hippoglossoides robustus</i>	22111	<i>Idiacanthus</i> sp.
24193	<i>Gymnelus</i> sp.		<i>Hippoglossoides robustus</i>	21342	Irish lord
24192	<i>Gymnelus viridis</i>	10141	(juvenile)	10270	<i>Isopsetta isolepis</i>
21329	<i>Gymnocanthus detrisus</i>	10129	<i>Hippoglossoides</i> sp.	20952	jack mackerel
21316	<i>Gymnocanthus galeatus</i>	10120	<i>Hippoglossus stenolepis</i>	20577	jacksmelt

CODE	NAME	CODE	NAME	CODE	NAME
24115	Japan-sea eelpout	22173	<i>Lethotremus</i> sp.	22261	longnose snailfish
23964	javelin spookfish	20622	<i>Leuroglossus schmidti</i>	23836	longsnout prickleback
21445	<i>Jordania zonope</i>	20660	<i>Leuroglossus</i> sp.	21936	longspine combfish
21595	<i>Kali indica</i>	20662	<i>Leuroglossus stilbius</i>	21825	longspine hatchetfish
21597	<i>Kali normani</i>	10210	<i>Limanda aspera</i>	30030	longspine thornyhead
24152	Kamchatka eelpout	10209	<i>Limanda aspera</i> (juvenile)	26050	loosejaw unid.
10112	Kamchatka flounder	10211	<i>Limanda proboscidea</i>	24165	looseskin eelpout
21328	Kamchatka hookear sculpin	10212	<i>Limanda sakhalinensis</i>	22264	<i>Lopholiparis flerxi</i>
21935	kelp greenling	21910	lingcod	23836	<i>Lumpenella longirostris</i>
30070	kelp rockfish	22750	Linophryniidae	23807	<i>Lumpenus fabricii</i>
22238	kelp snailfish	10155	<i>Liopsetta glacialis</i>	23808	<i>Lumpenus sagitta</i>
23932	king-of-the-salmon	22200	Liparidae	23801	<i>Lumpenus</i> sp.
22221	Kuril snailfish	22203	<i>Liparis bristolense</i>	22170	lumpsucker unid.
21733	<i>Laemonema longipes</i>	22209	<i>Liparis callyodon</i>	31550	lumptail searobin
232	<i>Lamna ditropis</i>	22211	<i>Liparis cyclopus</i>	24152	<i>Lycenchelys camchatica</i>
22625	<i>Lampanyctus jordani</i>	22204	<i>Liparis dennyi</i>	24130	<i>Lycenchelys crotalinus</i>
22620	<i>Lampanyctus</i> sp.	22212	<i>Liparis fabricii</i>	24151	<i>Lycenchelys jordani</i>
21	<i>Lampetra tridentata</i>	22202	<i>Liparis fucensis</i>	24153	<i>Lycenchelys ratmanovi</i>
10	lamprey unid.	22205	<i>Liparis gibbus</i>	24150	<i>Lycenchelys</i> sp.
27020	<i>Lampris guttatus</i>	22265	<i>Liparis marmoratus</i>	24165	<i>Lycodapus dermatinus</i>
20905	<i>Lamprogrammus niger</i>	22207	<i>Liparis megacephalus</i>	24158	<i>Lycodapus endemoscotus</i>
22600	lanternfish unid.	22210	<i>Liparis ochotensis</i>	24160	<i>Lycodapus fierasfer</i>
23712	lanternjaw tubeshoulder	22208	<i>Liparis pulchellus</i>	24233	<i>Lycodapus grossidens</i>
22179	leatherfin lumpsucker	22213	<i>Liparis rutteri</i>	24234	<i>Lycodapus leptus</i>
10003	lefteye flounder unid.	22201	<i>Liparis</i> sp.	24170	<i>Lycodapus mandibularis</i>
21387	leister sculpin	22238	<i>Liparis tunicatus</i>	24167	<i>Lycodapus pachysoma</i>
355	leopard shark	22253	<i>Lipariscus nanus</i>	24232	<i>Lycodapus parviceps</i>
477	leopard skate	27050	lizardfish unid.	24231	<i>Lycodapus poecilus</i>
478	leopard skate egg case	24196	longear eelpout	24166	<i>Lycodapus psarostomatus</i>
10262	<i>Lepidopsetta bilineata</i>	21733	longfin codling	24230	<i>Lycodapus</i> sp.
10261	<i>Lepidopsetta polyxystra</i>	22410	longfin dragonfish	24240	<i>Lycodema barbatum</i>
10263	<i>Lepidopsetta polyxystra</i> (juvenile)	21239	longfin grenadier	24183	<i>Lycodes akuugun</i>
10260	<i>Lepidopsetta</i> sp.	21345	longfin Irish lord	24195	<i>Lycodes beringi</i>
23945	<i>Lepidopus fitchi</i>	10009	longfin sanddab	24191	<i>Lycodes brevipes</i>
20007	<i>Leptagonus decagonus</i>	21445	longfin sculpin	24187	<i>Lycodes concolor</i>
20006	<i>Leptagonus frenatus</i>	23061	longfin smelt	24140	<i>Lycodes cortezianus</i>
20005	<i>Leptagonus leptorhynchus</i>	10211	longhead dab	24190	<i>Lycodes diapterus</i>
20004	<i>Leptagonus</i> sp.	22321	longjaw bigscale	24186	<i>Lycodes mucosus</i>
23952	leptocephalus unid.	212	longnose cat shark	24200	<i>Lycodes pacificus</i>
23805	<i>Leptoclinus maculatus</i>	23657	longnose lancetfish	24185	<i>Lycodes palearis</i>
21380	<i>Leptocottus armatus</i>	20005	longnose poacher	24188	<i>Lycodes polaris</i>
22955	<i>Lestidiops ringens</i>	440	longnose skate	24184	<i>Lycodes raridens</i>
22176	<i>Lethotremus muticus</i>	441	longnose skate egg case	24197	<i>Lycodes reticulatus</i>

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24181	<i>Lycodes rossi</i>	10180	<i>Microstomus pacificus</i>	23060	night smelt
24196	<i>Lycodes seminudus</i>	24393	midwater eelpout	21753	ninespine stickleback
24182	<i>Lycodes soldatovi</i>	23720	<i>Mirorictus taningi</i>	22570	North Pacific daggertooth
24180	<i>Lycodes</i> sp.	22275	mischievous snailfish	23942	North Pacific frostfish
24189	<i>Lycodes turneri</i>	22582	<i>Mola mola</i>	28700	North Pacific pelagic armorhead
10150	<i>Lyopsetta exilis</i>	22226	monster snailfish	20610	northern anchovy
23500	mackerel unid.	21726	Moridae	22649	northern flashlightfish
23962	<i>Macropinna microstoma</i>	23851	mosshead warbonnet	22602	northern lampfish
21200	Macrouridae	455	mud skate	23603	northern pearleye
22952	<i>Magnisudis atlantica</i>	456	mud skate egg case	10261	northern rock sole
21240	<i>Malacocephalus laevis</i>	341	<i>Mustelus californicus</i>	10263	northern rock sole (juvenile)
21338	<i>Malacocottus aleuticus</i>	340	<i>Mustelus henlei</i>	30420	northern rockfish
21340	<i>Malacocottus kincaidi</i>	339	<i>Mustelus</i> sp.	20702	northern ronquill
21339	<i>Malacocottus</i> sp.	22600	Myctophidae	21311	northern sculpin
21341	<i>Malacocottus zonurus</i>	21371	<i>Myoxocephalus jaok</i>	20622	northern smoothtongue
26050	Malacosteinae	21369	<i>Myoxocephalus niger</i>	20015	northern spearnose poacher
23041	<i>Mallotus villosus</i>		<i>Myoxocephalus</i>	22800	Notacanthidae
22461	manefish	21370	<i>polyacanthocephalus</i>	22815	<i>Notacanthus chemnitzii</i>
24184	marbled eelpout	21377	<i>Myoxocephalus quadricornis</i>	22642	<i>Notoscopelus resplendens</i>
22204	marbled snailfish	21378	<i>Myoxocephalus scorpioides</i>	23861	nutcracker prickleback
20570	marine smelts	21368	<i>Myoxocephalus scorpius</i>	20061	<i>Ocella dodecaedron</i>
21931	masked greenling	21375	<i>Myoxocephalus</i> sp.	22582	ocean sunfish
23844	matcheck warbonnet	21373	<i>Myoxocephalus stelleri</i>	20018	<i>Odontopyxis trispinosa</i>
20181	<i>Maulisia argipalla</i>	100	Myxinidae	495	Okhotsk skate
20180	<i>Maulisia mauli</i>	24395	<i>Nalbantichthys elongatus</i>	22210	Okhotsk snailfish
20179	<i>Maulisia</i> sp.	22627	<i>Nannobranchium nigrum</i>	30510	olive rockfish
22121	<i>Medialuna californiensis</i>	22624	<i>Nannobranchium regale</i>	23230	<i>Oncorhynchus gorbuscha</i>
23915	medusafish	22623	<i>Nannobranchium ritteri</i>	23235	<i>Oncorhynchus keta</i>
21376	<i>Megalocottus platycephalus</i>	22626	<i>Nannobranchium</i> sp.	23225	<i>Oncorhynchus kisutch</i>
22320	<i>Melamphaes lugubris</i>	20572	<i>Nansenia candida</i>	23260	<i>Oncorhynchus mykiss</i>
22300	Melamphaidae	21406	<i>Nautichthys oculofasciatus</i>	23240	<i>Oncorhynchus nerka</i>
20971	<i>Melanocetus johnsonii</i>	21405	<i>Nautichthys pribilovius</i>	23202	<i>Oncorhynchus</i> sp.
20915	<i>Melanonus zugmayeri</i>	21407	<i>Nautichthys robustus</i>	23220	<i>Oncorhynchus tshawytscha</i>
24393	<i>Melanostigma pammelas</i>	21404	<i>Nautichthys</i> sp.	22913	<i>Oneirodes acanthias</i>
22400	Melanostomiinae	22255	<i>Nectoliparis pelagicus</i>	22914	<i>Oneirodes bulbosus</i>
23709	<i>Mentodus eubranchus</i>	21597	needletooth swallower	22912	<i>Oneirodes</i> sp.
22500	<i>Merluccius productus</i>	22701	Nemichthyidae	22915	<i>Oneirodes thompsoni</i>
22502	<i>Merluccius productus</i> (adult)	22705	<i>Nemichthys larseni</i>	22900	Oneirodidae
22501	<i>Merluccius productus</i> (juvenile)	22702	<i>Nemichthys scolopaceus</i>	27020	opah
30315	Mexican rockfish	26060	<i>Neonesthes capensis</i>	20900	Ophidiidae
21360	<i>Microcottus sellaris</i>	23590	<i>Neoscopelus macrolepidotus</i>	20902	<i>Ophidion scrippsae</i>
22251	microdisk snailfish	21202	<i>Nezumia liolepis</i>	21910	<i>Ophiodon elongatus</i>
21710	<i>Microgadus proximus</i>	21201	<i>Nezumia stelgidolepis</i>	23958	Opisthoproctidae

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21849	<i>Opostomias mitsuii</i>	22705	pale snipe eel	10160	petrale sole
22247	Oregon snailfish	20001	<i>Pallasina barbata</i>	10	Petromyzontidae
23000	Osmeridae	24170	pallid eelpout	23871	Pholidae
23055	<i>Osmerus mordax</i>	20905	paperbone cusk-eel	23873	<i>Pholis laeta</i>
22390	oxeye oreo	22184	papillose lumpsucker	23872	<i>Pholis</i> sp.
21915	<i>Oxylebius pictus</i>	21484	<i>Paralabrax nebulifer</i>	26051	<i>Photonectes margarita</i>
24221	<i>Pachycara lepinium</i>	22951	Paralepididae	21732	<i>Physiculus rastrelliger</i>
21848	<i>Pachystomias microdon</i>	10050	<i>Paralichthys californicus</i>	23809	pighead prickleback
252	Pacific angel shark	22279	<i>Paraliparis adustus</i>	21521	pile perch
20573	Pacific argentine	22285	<i>Paraliparis albeolus</i>	22182	pimpled lumpsucker
23944	Pacific black scabbardfish	22280	<i>Paraliparis bullacephalus</i>	30230	pink rockfish
22110	Pacific blackdragon	22244	<i>Paraliparis cephalus</i>	23230	pink salmon
20615	Pacific blacksmelt	22241	<i>Paraliparis dactylosus</i>	21522	pink seaperch
21720	Pacific cod	22243	<i>Paraliparis deani</i>	30620	pinkrose rockfish
21722	Pacific cod (adult)	22281	<i>Paraliparis grandis</i>	22624	pinpoint lampfish
21721	Pacific cod (juvenile)	22284	<i>Paraliparis holomelas</i>	21760	pipefish unid.
610	Pacific electric ray	22286	<i>Paraliparis mento</i>	21849	pitgum lanternfish
21731	Pacific flatnose	22252	<i>Paraliparis paucidens</i>	20181	pitted tubeshoulder
21220	Pacific grenadier	22249	<i>Paraliparis pectoralis</i>	21371	plain sculpin
120	Pacific hagfish	22283	<i>Paraliparis penicillus</i>	20801	plainfin midshipman
22500	Pacific hake	22242	<i>Paraliparis rosaceus</i>	10220	<i>Platichthys stellatus</i>
22502	Pacific hake (adult)	22250	<i>Paraliparis</i> sp.		<i>Platichthys stellatus</i> X
22501	Pacific hake (juvenile)		<i>Paraliparis</i> sp. cf. <i>dactylosus</i> (Orr and Baldwin)	10221	<i>Pleuronectes quadrituberculatus</i> hybrid
10120	Pacific halibut	22276		23700	Platyroctidae
10121	Pacific halibut (juvenile)	22278	<i>Paraliparis</i> sp. cf. <i>grandis</i> (Orr and Baldwin)	23802	<i>Plectobranchnus evides</i>
21110	Pacific herring		<i>Paraliparis</i> sp. cf. <i>pectoralis</i> (Orr and Baldwin)	21921	<i>Pleurogrammus monoptyerygius</i>
21	Pacific lamprey	22282		10285	<i>Pleuronectes quadrituberculatus</i>
30060	Pacific ocean perch		<i>Paraliparis</i> sp. cf. <i>ulochir</i> (Orr and Baldwin)	10100	Pleuronectidae
20842	Pacific pomfret	22277		10002	Pleuronectiform larvae
23911	Pacific pompano	22231	<i>Paraliparis ulochir</i>	10001	Pleuronectiformes
20204	Pacific sand lance	21447	<i>Paricelinus hoplitticus</i>	10290	<i>Pleuronichthys coenosus</i>
10010	Pacific sanddab	211	<i>Parmaturus xaniurus</i>	10280	<i>Pleuronichthys decurrens</i>
21592	Pacific sandfish	10170	<i>Parophrys vetulus</i>	10295	<i>Pleuronichthys ritteri</i>
21130	Pacific sardine		<i>Parophrys vetulus</i> X <i>Platichthys stellatus</i> hybrid	10291	<i>Pleuronichthys</i> sp.
23562	Pacific saury	22642	patchwork lampfish	10281	<i>Pleuronichthys verticalis</i>
320	Pacific sleeper shark	22218	peach snailfish	21349	plumed sculpin
22178	Pacific spiny lumpsucker	22232	peachskin snailfish	20000	poacher unid.
21380	Pacific staghorn sculpin	23862	pearly prickleback	20040	<i>Podothecus accipenserinus</i>
21710	Pacific tomcod	22249	pectoral snailfish	20039	<i>Podothecus</i> sp.
21010	Pacific viperfish	20916	pelagic assfish	20041	<i>Podothecus veterinus</i>
21362	padded sculpin	28533	pelagic basslet	24189	polar eelpout
22239	paintbrush snailfish	23911	<i>Peprilus simillimus</i>	22810	<i>Polyacanthonotus challengerii</i>
21915	painted greenling	20002	<i>Percis japonicus</i>	23071	pond smelt

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20624	popeye blacksmelt	404	<i>Raja</i> sp.	445	roughshoulder skate
21232	popeye grenadier	403	<i>Raja</i> sp. egg case	21444	roughskin sculpin
20801	<i>Porichthys notatus</i>	450	<i>Raja stellulata</i>	21356	roughspine sculpin
20802	<i>Porichthys</i> sp.	400	Rajidae	460	rougtail skate
23850	<i>Poroclinus rothrocki</i>	21444	<i>Rastrinus scutiger</i>	20130	<i>Rouleina attrita</i>
22311	<i>Poromitra cristiceps</i>	20731	<i>Rathbunella hypoplecta</i>	22177	round lumpsucker
22310	<i>Poromitra curilensis</i> (=crassiceps)	20930	red brotula	29999	roundfish unid.
23800	prickleback unid.	21346	red Irish lord	20921	rubynose brotula
20075	pricklebreast poacher	30590	red rockfish unid.	21436	<i>Ruscarius meanyi</i>
22243	prickly snailfish	22241	red snailfish	22282	rusty snailfish
351	<i>Prionace glauca</i>	30475	redbanded rockfish	20510	sablefish
31550	<i>Prionotus stephanophrys</i>	30430	redstripe rockfish	29997	<i>Saccopharynx lavenbergi</i>
22223	proboscis snailfish	21502	redtail surfperch	29996	<i>Saccopharynx</i> sp.
	<i>Prognatholiparis</i>	10115	<i>Reinhardtius hippoglossoides</i>	22227	saddleback snailfish
22263	<i>ptychomandibularis</i>		<i>Reinhardtius hippoglossoides</i>	24186	saddled eelpout
22647	<i>Protomyctophum crockeri</i>	10116	(juvenile)	21735	saffron cod
22648	<i>Protomyctophum</i> sp.	10200	rex sole	21737	saffron cod (adult)
22649	<i>Protomyctophum thompsoni</i>	10201	rex sole larvae	21736	saffron cod (juvenile)
24001	prowfish	21521	<i>Rhacochilus vacca</i>	23710	<i>Sagamichthys abei</i>
10250	<i>Psettichthys melanostictus</i>	21850	<i>Rhadinesthes decimus</i>	21406	sailfin sculpin
28700	<i>Pseudopentaceros wheeleri</i>	21415	<i>Rhamphocottus richardsoni</i>	10212	Sakhalin sole
21598	<i>Pseudoscopelus</i> sp.	22262	<i>Rhinoliparis attenuatus</i>	23201	salmon and trouts unid.
21394	<i>Psychrolutes paradoxus</i>	22261	<i>Rhinoliparis barbulifer</i>	232	salmon shark
21395	<i>Psychrolutes phrictus</i>	22260	<i>Rhinoliparis</i> sp.	22236	salmon snailfish
21393	<i>Psychrolutes</i> sp.	21355	ribbed sculpin	23202	salmon unid.
30210	Puget Sound rockfish	22956	ribbon barracudina	23201	Salmonidae
21436	Puget Sound sculpin	22211	ribbon snailfish	23250	<i>Salvelinus alpinus</i>
21753	<i>Pungitius pungitius</i>	10100	righteye flounder unid.	23252	<i>Salvelinus malma</i>
21329	purplegray sculpin	22213	ringtail snailfish	20202	sand lance unid.
24394	<i>Puzanovia rubra</i>	20620	robust blacksmelt	10250	sand sole
20018	pygmy poacher	21934	rock greenling	10008	sanddab unid.
30550	pygmy rockfish	10260	rock sole unid.	21130	<i>Sardinops sagax</i>
22253	pygmy snailfish	30040	rockfish unid.	20006	sawback poacher
30320	quillback rockfish	20995	<i>Rondeletia loricata</i>	22721	sawtooth eel
21320	<i>Radulinus asprellus</i>	20700	ronquil unid.	23945	scabbardfish
22010	ragfish	20702	<i>Ronquilus jordani</i>	21359	scaled sculpin
23055	rainbow smelt	30270	rosethorn rockfish	22400	scaleless dragonfish unid.
445	<i>Raja badia</i>	30460	rosy rockfish	23620	scaly paperbone
446	<i>Raja badia</i> egg case	22242	rosy snailfish	21429	scalybreasted sculpin
421	<i>Raja binocolata</i> egg case	21366	roughback sculpin	24221	scalynape eelpout
425	<i>Raja inornata</i>		rougheye and blackspotted	21352	scissortail sculpin
440	<i>Raja rhina</i>	30050	rockfish unid.	23524	<i>Scomber japonicus</i>
441	<i>Raja rhina</i> egg case	30051	rougheye rockfish	23500	Scombridae
		10240	roughscale sole		

CODE	NAME	CODE	NAME	CODE	NAME
22595	<i>Scopelogadus tristicus</i>	30290	<i>Sebastes jordani</i>	22721	<i>Serrivomer sector</i>
22321	<i>Scopeloberyx robustus</i>	30295	<i>Sebastes lentiginosus</i>	24114	shadow eelpout
23622	<i>Scopelosaurus adleri</i>	30300	<i>Sebastes levis</i>	160	shark egg case unid.
23620	<i>Scopelosaurus harryi</i>	30315	<i>Sebastes macdonaldi</i>	150	shark unid.
23621	<i>Scopelosaurus</i> sp.	30320	<i>Sebastes maliger</i>	30560	sharpchin rockfish
31501	<i>Scorpaena guttata</i>	30330	<i>Sebastes melanops</i>	20121	sharpchin slickhead
21330	<i>Scorpaenichthys marmoratus</i>	30052	<i>Sebastes melanostictus</i>	21327	sharpnose sculpin
30000	Scorpaenidae	30340	<i>Sebastes melanostomus</i>	28532	Sherborn cardinalfish
30000	scorpionfish and rockfish unid.	30350	<i>Sebastes miniatus</i>	21510	shiner perch
21300	sculpin unid.	30360	<i>Sebastes mystinus</i>	26053	shining loosejaw
200	Scyliorhinidae	30370	<i>Sebastes nebulosus</i>	23710	shining tubeshoulder
21421	sea raven	30380	<i>Sebastes nigrocinctus</i>	22230	short snailfish
20980	seadevils unid.	30390	<i>Sebastes ovalis</i>	30290	shortbelly rockfish
20720	searcher	30400	<i>Sebastes paucispinis</i>	24191	shortfin eelpout
30630	<i>Sebastes (Sebastomus)</i> sp.	30570	<i>Sebastes phillipsi</i>	21368	shorthorn (=warty) sculpin
30051	<i>Sebastes aleutianus</i>	30410	<i>Sebastes pinniger</i>	24151	shortjaw eelpout
30060	<i>Sebastes alutus</i>	30420	<i>Sebastes polyspinis</i>	21407	shortmast sculpin
30070	<i>Sebastes atrovirens</i>	30430	<i>Sebastes proriger</i>	21595	shortnose swallower
30080	<i>Sebastes auriculatus</i>	30450	<i>Sebastes rastrelliger</i>	30576	shortraker rockfish
30090	<i>Sebastes aurora</i>	30600	<i>Sebastes reedi</i>	21937	shortspine combfish
30475	<i>Sebastes babcocki</i>	30460	<i>Sebastes rosaceus</i>	30020	shortspine thornyhead
30576	<i>Sebastes borealis</i>	30611	<i>Sebastes rosenblatti</i>	21204	shoulderspot grenadier
30100	<i>Sebastes brevispinis</i>	30470	<i>Sebastes ruberrimus</i>	22224	shovelhead snailfish
30110	<i>Sebastes carnatus</i>	30480	<i>Sebastes rubrivinctus</i>	21813	showy bristlemouth
30120	<i>Sebastes caurinus</i>	30575	<i>Sebastes rufus</i>	22208	showy snailfish
30130	<i>Sebastes chlorostictus</i>	30490	<i>Sebastes saxicola</i>	21805	<i>Sigmops gracilis</i>
30155	<i>Sebastes chrysomelas</i>	30500	<i>Sebastes semicinctus</i>	30100	silvergray rockfish
30151	<i>Sebastes ciliatus</i>	30510	<i>Sebastes serranoides</i>	20575	silverside unid.
30160	<i>Sebastes constellatus</i>	30525	<i>Sebastes serriceps</i>	21398	silverspotted sculpin
30170	<i>Sebastes crameri</i>	30620	<i>Sebastes simulator</i>	21821	silvery hatchetfish
30180	<i>Sebastes dalli</i>	30040	<i>Sebastes</i> sp.	222	sixgill shark
30185	<i>Sebastes diaconus</i>	30045	<i>Sebastes umbrosus</i>	401	skate egg case unid.
30190	<i>Sebastes diploproa</i>	30152	<i>Sebastes variabilis</i>	400	skate unid.
30200	<i>Sebastes elongatus</i>	30535	<i>Sebastes variegatus</i>	22955	slender barracudina
30210	<i>Sebastes emphaeus</i>	30540	<i>Sebastes vexillaris</i>	21812	slender bristlemouth
30220	<i>Sebastes entomelas</i>	30550	<i>Sebastes wilsoni</i>	23866	slender cockscomb
30230	<i>Sebastes eos</i>	30560	<i>Sebastes zacentrus</i>	21727	slender codling
30240	<i>Sebastes flavidus</i>	30020	<i>Sebastolobus alascanus</i>	23807	slender eelblenny
30250	<i>Sebastes gilli</i>	30030	<i>Sebastolobus altivelis</i>	24234	slender eelpout
30255	<i>Sebastes glaucus</i>	30025	<i>Sebastolobus macrochir</i>	21805	slender fangjaw
30260	<i>Sebastes goodei</i>	30010	<i>Sebastolobus</i> sp.	21824	slender hatchetfish
30270	<i>Sebastes helvomaculatus</i>	150	Selachii	22640	slender lanternfish
30280	<i>Sebastes hopkinsi</i>	160	<i>Selachii</i> egg case	21850	slender snaggletooth

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22702	slender snipe eel	20036	spinycheek starsnout	25100	sturgeon unid.
10150	slender sole	21390	spinyhead sculpin	27028	<i>Stylephorus chordatus</i>
20100	slickhead unid.	21336	spinyhook sculpin	23020	surf smelt
21320	slim sculpin	23060	<i>Spirinchus starksi</i>	21500	surfperch unid.
22262	slim snailfish	23061	<i>Spirinchus thaleichthys</i>	22278	surly snailfish
22202	slipskin snailfish	30190	splitnose rockfish	21594	swallowers
22233	smalldisk snailfish	21308	sponge sculpin	214	swell shark
24232	smallhead eelpout	23958	spookfish unid.	22244	swellhead snailfish
20713	smallmouth ronquil	21312	spotfin sculpin	22656	<i>Symbolophorus californiensis</i>
22248	smallmouth snailfish	21515	spotfin surfperch	10400	<i>Symphurus atricauda</i>
22257	smallpore snailfish	20901	spotted cusk-eel	21760	Syngnathidae
23000	smelt unid.	710	spotted ratfish	27050	Synodontidae
20055	smooth alligatorfish	22209	spotted snailfish	27051	<i>Synodus lucioceps</i>
22919	smooth dreamer	10295	spotted turbot	22410	<i>Tactostoma macropus</i>
21202	smooth grenadier	310	<i>Squalus suckleyi</i>	21394	tadpole sculpin
22175	smooth lumpsucker	30280	squarespot rockfish	22255	tadpole snailfish
20731	smooth ronquil	252	<i>Squatina californica</i>	20150	<i>Talismania bifurcata</i>
21423	smoothcheek sculpin	10220	starry flounder	22651	<i>Tarletonbeania crenularis</i>
20022	smootheye poacher	30160	starry rockfish	22650	<i>Tarletonbeania</i> sp.
21363	smoothhead sculpin	450	starry skate	23010	<i>Thaleichthys pacificus</i>
22200	snailfish unid.	20034	starsnout poacher unid.	24395	thinskin eelpout
23808	snake prickleback	23260	steelhead	21447	thornback sculpin
24130	snakehead eelpout	39100	Steller sea lion	21438	thorny sculpin
22701	snipe eel unid.	20075	<i>Stellerina xyosterna</i>	30010	thornyhead unid.
22815	snubnosed spiny eel	22602	<i>Stenobranchius leucopsarus</i>	21314	threaded sculpin
23240	sockeye salmon	22603	<i>Stenobranchius nannochir</i>	20910	threadfin cusk-eel
24120	soft eelpout	22601	<i>Stenobranchius</i> sp.	21310	threadfin sculpin
21383	soft sculpin	21820	Sternoptychidae	20150	threadfin slickhead
21240	softhead grenadier	21825	<i>Sternoptyx diaphana</i>	21752	threespine stickleback
20130	softskin slickhead	21827	<i>Sternoptyx</i> sp.	24181	threespot eelpout
320	<i>Somniosus pacificus</i>	23800	Stichaeidae	180	thresher shark
332	soupfin shark	23804	<i>Stichaeus punctatus</i>	21308	<i>Thyriscus anoplus</i>
10262	southern rock sole	21845	<i>Stomias atriventer</i>	30380	tiger rockfish
21441	spatulate sculpin	21847	Stomiidae	22190	toad lumpsucker
30390	speckled rockfish	21846	Stomiiformes	20803	toadfishes
10020	speckled sanddab	23806	stout eelblenny	22245	tomato snailfish
24166	specklemouth eelpout	24167	stout eelpout	22252	toothless snailfish
21354	spectacled sculpin	24404	striped kelpfish	20576	topsmelt
310	spiny dogfish	21506	striped surfperch	610	<i>Torpedo californica</i>
22913	spiny dreamer	23720	striped tubeshoulder	23932	<i>Trachipterus altivelis</i>
22800	spiny eel unid.	30490	stripetail rockfish	20952	<i>Trachurus symmetricus</i>
22183	spiny lumpsuckers	23900	Stromateidae	30525	tree rockfish
22271	spiny snailfish	20040	sturgeon poacher	355	<i>Triakis semifasciata</i>

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23940	Trichiuridae	406	white skate
21379	<i>Trichocottus brashnikovi</i>	22285	white snailfish
21592	<i>Trichodon trichodon</i>	30630	white spotted red rockfish unid.
21352	<i>Triglops forficata</i>	23030	whitebait smelt
21356	<i>Triglops macellus</i>	23850	whitebarred prickleback
21353	<i>Triglops metopias</i>	30540	whitebelly rockfish
21351	<i>Triglops nybelini</i>	480	whiteblotched skate
21355	<i>Triglops pingeli</i>	481	whiteblotched skate egg case
21354	<i>Triglops scepticus</i>	485	whitebrow skate
21350	<i>Triglops</i> sp.	486	whitebrow skate egg case
21429	<i>Triglops xenostethus</i>	21932	whitespotted greenling
20981	triplewart seadevil	21338	whitetail sculpin
21823	tropical hatchetfish	21440	wide-eye sculpin
27028	tube-eye	30220	widow rockfish
20542	tube-snout	20320	wolf-eel
20001	tubenose poacher	22263	wrinkle-jaw snailfish
23700	tubeshoulder unid.	22256	wry snailfish
22259	two-tone snailfish	20020	<i>Xeneretmus latifrons</i>
24110	twoline eelpout	20022	<i>Xeneretmus leiops</i>
24116	twoline eelpout (juvenile)	20023	<i>Xeneretmus</i> sp.
20051	<i>Ulcina olrikii</i>	20021	<i>Xeneretmus triacanthus</i>
29990	umbrellamouth gulper	10060	<i>Xystreurus liolepis</i>
21443	uncinate sculpin	21347	yellow Irish lord
22205	variegated snailfish	30470	yelloweye rockfish
24231	variform eelpout	10210	yellowfin sole
28002	<i>Venefica</i> sp.	10209	yellowfin sole (juvenile)
30350	vermilion rockfish	30600	yellowmouth rockfish
20041	veteran poacher	30240	yellowtail rockfish
21000	viperfish unid.	21522	<i>Zalembius rosaceus</i>
21740	walleye pollock	21937	<i>Zaniolepis frenata</i>
21742	walleye pollock (adult)	21936	<i>Zaniolepis latipinnis</i>
21741	walleye pollock (juvenile)	24001	<i>Zaprora silenus</i>
21744	walleye pollock larva	21305	<i>Zesticelus profundorum</i>
21503	walleye surfperch	24100	Zoarcidae
21369	warthead sculpin		
20060	warty poacher		
24185	wattled eelpout		
24112	western eelpout		
22920	whipnose		
28002	whipsnout eels		
23933	whiptail ribbonfish		
22273	whiskered snailfish		
23402	white croaker		

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75601	abalone jingle	40506	<i>Aequorea</i> sp.	80633	Aleutian spiny star
40035	<i>Abietinaria greenei</i>	72063	<i>Aforia circinata</i>	71702	Aleutian sulcated whelk
40034	<i>Abietinaria</i> sp.	72060	<i>Aforia goodei</i>	44010	Aleutian trumpet coral
40036	<i>Abietinaria</i> sp. A (Clark 2006)	72062	<i>Aforia kinkaidi</i>	72071	Aleutian wentletrap
79352	<i>Abraliopsis felis</i>	72059	<i>Aforia</i> sp.	80601	<i>Aleutiaster</i> sp.
79351	<i>Abraliopsis</i> sp.	40028	<i>Aglaophenia</i> sp.	80597	<i>Aleutihenricia beringiana</i>
66510	abyssal Crangon	74481	Akutan limops	80557	<i>Aleutihenricia federi</i>
91048	<i>Acanthascus</i> sp.	66303	Alaska coastal shrimp	71551	<i>Alia gausapata</i>
91103	<i>Acanthascus</i> sp. A	44023	Alaska cup coral	82530	<i>Alloccentrotus fragilis</i>
91104	<i>Acanthascus</i> sp. B	75600	Alaska falsejingle	82535	<i>Alloccentrotus</i> sp.
66865	<i>Acanthephyra curtirostris</i>	74175	Alaska glass-scallop	98303	<i>Amaroucium soldatovi</i>
66860	<i>Acanthephyra</i> sp.	75205	Alaska great-tellin	98302	<i>Amaroucium</i> sp.
71017	<i>Acanthodoris brunnea</i>	75267	Alaska razor	71520	<i>Amauropsis purpurea</i>
71014	<i>Acanthodoris nanaimoensis</i>	72790	Alaska volute	54015	<i>Amblyosyllis</i> sp.
71019	<i>Acanthodoris</i> sp.	41591	<i>Alaskagorgia aleutiana</i>	70115	<i>Amicula vestita</i>
44100	<i>Acanthogorgia</i> sp.	41590	<i>Alaskagorgia</i> sp.	60150	<i>Ampelisca macrocephala</i>
44116	Acanthogorgiidae	41576	<i>Alaskagorgia</i> sp. 1 (Stone)	60102	<i>Ampelisca</i> sp.
69285	<i>Acantholithodes hispidus</i>	82757	Alaskan crinoid	50050	Ampharetidae
69284	<i>Acantholithodes</i> sp.	63101	Alaskan cumacean	80182	<i>Ampheraster marianus</i>
74001	<i>Acharax johnsoni</i>	69090	Alaskan hermit	80180	<i>Ampheraster</i> sp.
74342	<i>Acila castrensis</i>	91237	Alaskan lobed sponge	44094	<i>Amphilaphis</i> sp.
72071	<i>Acirsa</i> sp. A (McLean and Clark)	66031	Alaskan pink shrimp	91093	<i>Amphilectus digitatus</i>
71400	<i>Acmaea</i> sp.	80637	Alaskan spiny star	91109	<i>Amphilectus lobatus</i>
92400	acoel turbellarian	72402	Alaskan trophon	83700	<i>Amphiodia rossica</i>
92400	Acoelida	69557	Albuneidae	83701	<i>Amphiodia</i> sp.
71040	<i>Acteocina</i> sp.	41100	Alcyonacea	83339	<i>Amphiophiura</i> sp.
43001	<i>Actinauge verrilli</i>	95039	<i>Alcyonidium disciforme</i>	83337	<i>Amphiophiura</i> sp. A (Clark 2006)
43005	<i>Actinernus</i> sp.	95041	<i>Alcyonidium enteromorpha</i>	83338	<i>Amphiophiura superba</i>
43000	Actiniaria	95036	<i>Alcyonidium pedunculatum</i>	60100	amphipod unid.
43080	actinid sea anemones unid.	95038	<i>Alcyonidium</i> sp.	60100	Amphipoda
43080	Actiniidae	95037	<i>Alcyonidium</i> sp. A	71546	<i>Amphissa colmbiana</i>
43003	<i>Actinoscyphia</i> sp.	41102	<i>Alcyonium</i> sp.	71547	<i>Amphissa reticulata</i>
43002	<i>Actinostola faeulentata</i>	41104	<i>Alcyonium</i> sp. A (Clark 2006)	72731	<i>Amphissa</i> sp.
43113	<i>Actinostola groenlandica</i>	41105	<i>Alcyonium</i> sp. B (Clark 2006)	71548	<i>Amphissa versicolor</i>
43110	<i>Actinostola</i> sp.	72753	Aleut whelk	83661	<i>Amphiura diomedea</i>
43111	<i>Actinostola</i> sp. A (Clark 2006)	66060	Aleutian bigeye	83660	Amphiuridae
43112	<i>Actinostola</i> sp. B (Clark 2006)	66032	Aleutian coastal shrimp	74323	ample roughmya
43100	Actinostolidae	81909	Aleutian fragile sea star	71333	<i>Anatoma crispata</i>
71271	<i>Adalaria proxima</i>	69060	Aleutian hermit	72768	<i>Ancistrolepis bicinctus</i>
73188	<i>Admete gracilior</i>	98083	Aleutian long-stalked tunicate	72769	<i>Ancistrolepis eucosmius</i>
73185	<i>Admete laevior</i>	71535	Aleutian moonsnail	71960	<i>Ancistrolepis</i> sp.
73186	<i>Admete solida</i>	44101	Aleutian Plumarella	91128	<i>Ancorina buldira</i>
73183	<i>Admete viridula</i>	80112	Aleutian sea star	91103	angel-hair vase sponge

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72743	angular whelk	71259	Archidoris nudibranch	91252	<i>Asbestopluma ramosa</i>
50001	Annelida	71259	<i>Archidoris</i> sp.	91251	<i>Asbestopluma</i> sp. A (Clark 2006)
75609	<i>Anomia</i> sp.	66580	Arctic argid	98322	<i>Ascidia paratropa</i>
75610	Anomiidae	80731	Arctic bat sea star	98000	Asciacea
69000	Anomura	66174	Arctic eualid	98001	Ascidian n. sp. A
60109	<i>Anonyx nugax</i>	74311	Arctic Hiatella	98002	Ascidian n. sp. B
60140	<i>Anonyx</i> sp.	71526	Arctic moonsnail	74646	<i>Astarte arctica</i>
82101	<i>Anteliaster nannodes</i>	74322	Arctic roughmya	74641	<i>Astarte borealis</i>
82100	<i>Anteliaster</i> sp.	75111	Arctic surfclam	74645	<i>Astarte compacta</i>
41300	<i>Anthomastus</i> sp.	60115	<i>Arctolembos arcticus</i>	74639	<i>Astarte crenata</i>
41331	<i>Anthomastus</i> sp. A	72791	<i>Arctomelon borealis</i>	74643	<i>Astarte elliptica</i>
41332	<i>Anthomastus</i> sp. B	72789	<i>Arctomelon</i> sp.	74648	<i>Astarte esquimalti</i>
41333	<i>Anthomastus</i> sp. cf. <i>japonicus</i> (Bayer et al.)	72794	<i>Arctomelon</i> sp. cf. <i>stearnsii</i> (Clark and McLean)	74647	<i>Astarte montagui</i>
42020	<i>Anthoptilum grandiflorum</i>	72790	<i>Arctomelon stearnsii</i>	74642	<i>Astarte polaris</i>
42021	<i>Anthoptilum murrayi</i>	72792	<i>Arctomelon tamikoae</i>	74640	<i>Astarte</i> sp.
44105	<i>Anthothela grandiflora</i>	50301	<i>Arctonoe vittata</i>	81742	<i>Asterias amurensis</i>
41000	Anthozoa	62001	Arcturidae	81741	<i>Asterias</i> sp.
41525	Antipatharia	62003	<i>Arcturus longispinis</i>	80159	Asteriidae
41526	<i>Antipathes</i> sp.	62005	<i>Arcturus</i> sp.	80915	<i>Asterina miniata</i>
72020	<i>Antiplanes catalinae</i>	62004	<i>Arcturus</i> sp. 1 (Clark 2006)	80000	Asteroidea
72022	<i>Antiplanes piona</i>	62002	<i>Arcturus</i> sp. 2 (Clark 2006)	83055	Asteronychidae
72019	<i>Antiplanes</i> sp.	66575	<i>Argis alaskensis</i>	83075	<i>Asteronyx longifissus</i>
72024	<i>Antiplanes</i> sp. A (Clark and McLean)	66612	<i>Argis crassa</i>	83070	<i>Asteronyx loveni</i>
72021	<i>Antiplanes thalea</i>	66580	<i>Argis dentata</i>	83060	<i>Asteronyx</i> sp.
72023	<i>Antiplanes vinosus</i>	66611	<i>Argis lar</i>	71504	<i>Asterophila japonica</i>
62050	<i>Anuropus bathypelagica</i>	66613	<i>Argis levior</i>	83064	<i>Asteroschema</i> sp.
91030	<i>Aphrocallistes vastus</i>	66614	<i>Argis ovifer</i>	83065	<i>Asteroschema sublaeve</i>
50190	<i>Aphrodita japonica</i>	66570	<i>Argis</i> sp.	81135	<i>Asthenactis fisheri</i>
50192	<i>Aphrodita negligens</i>	66617	<i>Argis</i> sp. cf. <i>crassa</i> (CAS)	83080	<i>Astrochele laevis</i>
50161	<i>Aphrodita</i> sp.	66616	<i>Argis</i> sp. cf. <i>ovifer</i> (CAS)	83090	<i>Astrochele</i> sp.
50160	Aphroditidae	71080	<i>Armina californica</i>	83081	<i>Astrochele</i> sp. A (Clark 2006)
70049	Aplacophora	60106	armored amphipod	80165	<i>Astrometis</i> sp.
98219	<i>Aplidium californicum</i>	93150	arrow worm unid.	81930	<i>Astronebris tatafilius</i>
98311	<i>Aplidium n.</i> sp. A	91268	<i>Artemisina amlia</i>	81743	<i>Astropecten californicus</i>
98312	<i>Aplidium</i> sp.	91267	<i>Artemisina arcigera</i>	80811	Astropectinidae
98310	<i>Aplidium</i> sp. A (Clark 2006)	91266	<i>Artemisina</i> sp.	83501	<i>Astrophiura</i> sp.
85020	<i>Apostichopus californicus</i>	91269	<i>Artemisina stipitata</i>	83025	<i>Astrophyton pardalis</i>
85205	<i>Apostichopus japonicus</i>	44115	<i>Arthrogorgia kinoshitai</i>	71552	<i>Astyris elegens</i>
85016	<i>Apostichopus leukothele</i>	44114	<i>Arthrogorgia otsukai</i>	40510	<i>Atolla</i> sp.
71052	archidorid nudibranchs	44098	<i>Arthrogorgia</i> sp.	71739	attenuate melon whelk
71052	Archidorididae	44099	<i>Arthrogorgia utinomi</i>	91710	<i>Aulosaccus schulzei</i>
71055	<i>Archidoris montereyensis</i>	44085	articulated bamboo coral	40513	<i>Aurelia aurita</i>
				40512	<i>Aurelia labiata</i>

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40520	<i>Aurelia limbata</i>	78013	<i>Benthoctopus sibiricus</i>	74000	bivalve unid.
40511	<i>Aurelia</i> sp.	78452	<i>Benthoctopus</i> sp.	74000	Bivalvia
74325	awning clam	81890	Benthopectinidae	97120	black brachiopod
91064	<i>Axinella blanca</i>	80597	Bering Henricia	41525	black coral
91231	<i>Axinella rugosa</i>	69087	Bering hermit	74561	black mussel
91230	<i>Axinella</i> sp.	91721	Bering lace sponge	91079	black papillate sponge
65202	<i>Balanus balanus</i>	41573	Bering red sea fan	92505	black specked ribbon worm
65207	<i>Balanus crenatus</i>	80635	Bering spiny star	91078	black-orange spud sponge
65204	<i>Balanus hesperius</i>	72401	Bering trophon	69041	blackeyed hermit
65206	<i>Balanus nubilus</i>	71773	<i>Beringius aleuticus</i>	80200	blackspined sea star
65205	<i>Balanus rostratus</i>	71772	<i>Beringius beringii</i>	66550	blacktail bay shrimp
65201	<i>Balanus</i> sp.	71775	<i>Beringius crebricostatus</i>	60116	bladed amphipod
91069	ball sponge	71780	<i>Beringius eyerdami</i>	40061	blob-top jelly
91997	ball sponge morphotype	71781	<i>Beringius incisus</i>	80544	blood sea star
42006	<i>Balticina</i> sp.	71770	<i>Beringius kennicottii</i>	69323	blue king crab
44084	bamboo coral unid.	71787	<i>Beringius rotundus</i>	69655	blue mud shrimp
92900	bamboo worm unid.	71769	<i>Beringius</i> sp.	74080	blue mussel
75382	<i>Bankia setacea</i>	71778	<i>Beringius</i> sp. A (McLean and Clark)	72554	blue topsnail
66171	barbed eualid	71779	<i>Beringius</i> sp. B (McLean and Clark)	69075	bluehand hermit
65100	barnacle unid.	71782	<i>Beringius</i> sp. C (McLean and Clark)	69085	bluespine hermit
71011	barnacle-eating Onchidoris	71783	<i>Beringius</i> sp. D (McLean and Clark)	41106	Bob mushroom coral
91050	barrel sponge	71784	<i>Beringius</i> sp. E (McLean and Clark)	40507	<i>Bolinopsis</i> sp.
99981	baseball sponge	71777	<i>Beringius</i> sp. eggs	78300	Bolitaenidae
71913	basket whelk	71785	<i>Beringius</i> sp. F (McLean and Clark)	98102	<i>Boltenia ecinata</i>
83020	basketstar	71786	<i>Beringius</i> sp. G (McLean and Clark)	98105	<i>Boltenia ovifera</i>
80915	bat star	71788	<i>Beringius</i> sp. H (McLean and Clark)	98100	<i>Boltenia</i> sp.
72520	<i>Bathybembix bairdii</i>	71789	<i>Beringius</i> sp. I (McLean and Clark)	98101	<i>Boltenia villosa</i>
72762	<i>Bathybuccinum clarki</i>	71792	<i>Beringius</i> sp. J (McLean and Clark)	94501	<i>Bonelliopsis alaskana</i>
72764	<i>Bathybuccinum ovulum</i>	71793	<i>Beringius</i> sp. K (McLean and Clark)	40013	<i>Bonneviella</i> sp.
72763	<i>Bathybuccinum</i> sp.	71774	<i>Beringius stimpsoni</i>	40012	<i>Bonneviella</i> sp. A (Clark 2006)
41541	<i>Bathypathes patula</i>	71776	<i>Beringius undatus</i>	74641	boreal Astarte
41540	<i>Bathypathes</i> sp.	45010	<i>Beroe abyssicola</i>	79312	boreal clubhook squid
85180	<i>Bathyploetes</i> sp.	45005	<i>Beroe</i> sp.	72535	boreal rosy margarite
71778	Baxter Beringius	79202	Berry armhook squid	79252	boreopacific armhook squid
65205	beaked barnacle	79211	<i>Berryteuthis anonychus</i>	72065	<i>Boreoscala greenlandica</i>
66172	beaked eualid	79210	<i>Berryteuthis magister</i>	72067	<i>Boreoscala</i> sp.
72797	beatic dwarf olive	91274	<i>Biemna</i> sp.	72402	<i>Boreotrophon alaskanus</i>
81068	beautiful sun star	66180	bigeye eualid	72401	<i>Boreotrophon beringi</i>
79443	<i>Belonella borealis</i>	75222	bilirate Pandora	72406	<i>Boreotrophon clathratus</i>
75241	bent-nose Macoma	75235	bittersweets	72405	<i>Boreotrophon elegantulus</i>
66841	<i>Bentheogennema borealis</i>			72409	<i>Boreotrophon multicosatus</i>
78012	<i>Benthoctopus leioderma</i>			72421	<i>Boreotrophon pacificus</i>
78455	<i>Benthoctopus oregonensis</i>			72404	<i>Boreotrophon rotundatus</i>

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72410	<i>Boreotrophon rotundus</i>	72753	<i>Buccinum aleuticum</i>	72785	<i>Buccinum transliratum</i>
72420	<i>Boreotrophon</i> sp.	72743	<i>Buccinum angulosum</i>	72778	<i>Buccinum triplostephanum</i>
98220	<i>Botrylloides</i> sp.	72738	<i>Buccinum bulimuloideum</i>	72749	<i>Buccinum viridum</i>
98225	<i>Botryllus schlosseri</i>	72760	<i>Buccinum castaneum</i>	95017	<i>Bugula pacifica</i>
44106	bottlebrush coral	72757	<i>Buccinum ciliatum</i>	95016	<i>Bugula</i> sp.
69260	box crab unid.	72754	<i>Buccinum cnismatum</i>	71515	<i>Bulbus fragilis</i>
97000	Brachiopoda	72773	<i>Buccinum costatum</i>	83660	burrowing brittle star unid.
58503	<i>Brada granulata</i>	72766	<i>Buccinum ectomycina</i>	44075	bushy coral
58508	<i>Brada inhabilis</i>	72748	<i>Buccinum eugrammatum</i>	40035	bushy white hydroid
58502	<i>Brada sachalina</i>	72744	<i>Buccinum fringillum</i>	75021	butter clam
58500	<i>Brada</i> sp.	72758	<i>Buccinum glaciale</i>	69328	butterfly crab
58505	<i>Brada</i> sp. A	72784	<i>Buccinum moarchianum</i>	40060	by-the-wind sailor
58506	<i>Brada</i> sp. B	72736	<i>Buccinum normale</i>	71015	<i>Cadlina luteomarginata</i>
58507	<i>Brada</i> sp. C	72737	<i>Buccinum obsoletum</i>	71105	<i>Cadlina modesta</i>
58509	<i>Brada villosa</i>	72742	<i>Buccinum ochotense</i>	71104	cadlina nudibranchs
91055	brain sponge	72747	<i>Buccinum oedematum</i>	71104	<i>Cadlina</i> sp.
82675	<i>Brisaster latifrons</i>	72739	<i>Buccinum picturatum</i>	69642	<i>Calastacus investigatoris</i>
82676	<i>Brisaster owstoni</i>	72751	<i>Buccinum plectrum</i>	91705	calcareous finger sponge
82660	<i>Brisaster</i> sp.	72755	<i>Buccinum polare</i>	41573	<i>Calcigorgia beringi</i>
82670	<i>Brisaster townsendi</i>	72741	<i>Buccinum polium</i>	41700	<i>Calcigorgia</i> sp.
82001	<i>Brisingella exilis</i>	72786	<i>Buccinum rondinum</i>	41701	<i>Calcigorgia spiculifera</i>
82000	<i>Brisingella pusilla</i>	72752	<i>Buccinum scalariforme</i>	79204	California armhook squid
82002	<i>Brisingella</i> sp.	72745	<i>Buccinum sigmatopleura</i>	71080	California Armina
82003	brisingid sea star	72746	<i>Buccinum simulatum</i>	66517	California bay shrimp
82003	Brisingidae	72756	<i>Buccinum solenum</i>	74486	California bittersweet
82685	<i>Brissopsis pacifica</i>	72740	<i>Buccinum</i> sp.	74985	California cockle
59000	bristle worm unid.	72765	<i>Buccinum</i> sp. A (McLean and Clark)	69325	California king crab
98204	bristly tunicate	72775	<i>Buccinum</i> sp. B (McLean and Clark)	97116	California lamp shell
74552	British Columbia crenella	72776	<i>Buccinum</i> sp. C (McLean and Clark)	79120	California market squid
83000	brittlestar unid.	72777	<i>Buccinum</i> sp. D (McLean and Clark)	74070	California mussel
98206	broad base tunicate	72779	<i>Buccinum</i> sp. E (McLean and Clark)	85020	California sea cucumber
75286	broad cockle	71002	<i>Buccinum</i> sp. egg	98219	california sea pork
74419	broad Yoldia	72780	<i>Buccinum</i> sp. F (McLean and Clark)	71291	California sea slug
69270	brown box crab	72781	<i>Buccinum</i> sp. G (McLean and Clark)	71795	<i>Calinaticina oldroyi</i>
44022	brown cup coral	72782	<i>Buccinum</i> sp. H (McLean and Clark)	69653	<i>Callianassa californiensis</i>
98330	brown leafy compound tunicate	72783	<i>Buccinum</i> sp. I (McLean and Clark)	69652	<i>Callianassa goniophthalma</i>
40520	brown rimmed jelly	72750	<i>Buccinum strigillatum</i>	69650	<i>Callianassa</i> sp.
71893	brown whelk	72759	<i>Buccinum tenellum</i>	72555	<i>Calliostoma annulatum</i>
85219	brownscaled sea cucumber			72516	<i>Calliostoma canaliculatum</i>
95000	Bryozoa			72554	<i>Calliostoma ligatum</i>
95010	bryozoan sp. A unid.			72512	<i>Calliostoma platinum</i>
95000	bryozoan unid.			72511	<i>Calliostoma</i> sp.
71007	bubbleshells unid.			72513	<i>Calliostoma titanium</i>

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72514	<i>Calliostoma variegatum</i>	78000	cephalopod unid.	71202	<i>Chlamylla</i> sp.
72521	<i>Calliotropis carlotta</i>	78000	Cephalopoda	74103	<i>Chlamys albida</i>
41601	<i>Callogorgia kinoshitae</i>	80731	<i>Ceramaster arcticus</i>	74105	<i>Chlamys behringiana</i>
41600	<i>Callogorgia</i> sp.	80732	<i>Ceramaster clarki</i>	74109	<i>Chlamys erythocomata</i>
71027	<i>Calycidoris guentheri</i>	80729	<i>Ceramaster japonicus</i>	74107	<i>Chlamys hastata</i>
71639	Calyptraeidae	80005	<i>Ceramaster leptoceramus</i>	74112	<i>Chlamys pseudoislandica</i>
40008	campanulariid hydroid	80730	<i>Ceramaster patagonicus</i>	74106	<i>Chlamys rubida</i>
40008	Campanulariidae	80728	<i>Ceramaster</i> sp.	74104	<i>Chlamys</i> sp.
68012	<i>Cancer anthonyi</i>	80733	<i>Ceramaster stellatus</i>	74108	<i>Chlamys</i> sp. cf. <i>unalaskae</i> (Clark and McLean)
68011	<i>Cancer branneri</i>	72423	<i>Ceratostoma foliatum</i>	91260	<i>Chondrocladia concrescens</i>
68010	cancer crab unid.	92802	<i>Cerebratulus californienesis</i>	91250	<i>Chondrocladia gigantea</i>
68060	<i>Cancer gracilis</i>	73211	Cerithiopsidae	68520	<i>Chorilia longipes</i>
68020	<i>Cancer magister</i>	73210	Cerithiopsidae sp. A	68521	<i>Chorilia</i> sp.
68040	<i>Cancer oregonensis</i>	93150	Chaetognatha	40515	<i>Chrysaora fuscescens</i>
68050	<i>Cancer productus</i>	50013	<i>Chaetopterus</i> sp.	40501	chrysaora jellyfish
68010	<i>Cancer</i> sp.	75242	chalky Macoma	40504	<i>Chrysaora melanaster</i>
66201	candy stripe shrimp	40012	champagne flute hydroid	40501	<i>Chrysaora</i> sp.
81100	cannonball sun star	72516	channeled topsnail	41531	<i>Chrysopathes</i> sp.
60145	<i>Caprella</i> sp.	71541	channelled dogwinkle	41530	<i>Chrysopathes speciosa</i>
71586	<i>Capulacmaea commoda</i>	91092	cheesestick sponge	72525	<i>Cidarina cidaris</i>
95031	<i>Carbasea</i> sp.	54030	<i>Cheilonereis cyclurus</i>	56321	ciliated scale worm
75551	<i>Cardiomya</i> sp.	81910	<i>Cheiraster dawsoni</i>	74983	<i>Ciliatoclinocardium ciliatum</i>
74650	<i>Cardita</i> sp.	81908	<i>Cheiraster</i> sp.	98323	<i>Ciona savignyi</i>
74651	Carditidae	81909	<i>Cheiraster</i> sp. A (Clark 2006)	98304	cionid tunicates
66145	Caridea	98332	<i>Chelyosoma macleayanum</i>	98304	Cionidae
66145	caridid shrimp unid.	98309	<i>Chelyosoma orientale</i>	68577	circumboreal toad crab
71501	Carinariidae	98331	<i>Chelyosoma productum</i>	66175	circumpolar eualid
72070	<i>Carinoturris fortis</i>	72760	chestnut whelk	65000	Cirripedia
91250	carnivorous cattail sponge	43082	chevron-tentacled anemone	58001	<i>Cistenides granulata</i>
75202	carpenter tellin	68570	<i>Chionoecetes angulatus</i>	81841	<i>Cladaster</i> sp.
44023	<i>Caryophyllia alaskensis</i>	68560	<i>Chionoecetes bairdi</i>	81840	<i>Cladaster validus</i>
44022	<i>Caryophyllia arnoldi</i>	68590	<i>Chionoecetes</i> hybrid	91089	<i>Cladocroce attu</i>
44020	<i>Caryophyllia</i> sp.	68575	<i>Chionoecetes japonicus</i>	91271	<i>Cladocroce infundibulum</i>
44021	<i>Caryophyllia</i> sp. A	68580	<i>Chionoecetes opilio</i>	91099	<i>Cladocroce kiska</i>
44004	Caryophylliidae	68541	<i>Chionoecetes</i> sp.	91270	<i>Cladocroce ventilabrum</i>
53700	cat worm unid.	68550	<i>Chionoecetes tanneri</i>	91249	Cladorhizidae
91059	cat-o-nine-tails sponge	85081	<i>Chiridota albatrossii</i>	72406	clathrate trophon
41106	<i>Cavernularia vansyoci</i>	85080	<i>Chiridota</i> sp.	41752	<i>Clavularia incrustans</i>
71017	cedar-scented dorid	65203	<i>Chirona evermanni</i>	41750	<i>Clavularia</i> sp.
95085	<i>Celleporina</i> sp.	69554	<i>Chirostylus</i> sp.	41751	<i>Clavularia</i> sp. cf. <i>evagorgiacrustans</i> (Bayer et al.)
95080	<i>Celleporina ventricosa</i>	79404	<i>Chiroteuthis calyx</i>	79201	clawed armhook squid
71007	Cephalaspidea	79403	<i>Chiroteuthis</i> sp.	91030	clay pipe sponge
78005	cephalopod egg	70100	chiton unid.		

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66205	cleaner lebbeid	71726	<i>Colus spitzbergensis</i>	66520	<i>Crangon resima</i>
74986	<i>Clinocardium blandum</i>	71898	<i>Colus stejneri</i>	66548	<i>Crangon septemspinosa</i>
74985	<i>Clinocardium californiense</i>	71728	<i>Colus tahwitanus</i>	66502	<i>Crangon</i> sp.
74982	<i>Clinocardium nuttallii</i>	71734	<i>Colus trophius</i>	66516	<i>Crangon</i> sp. cf. <i>communis</i> (CAS)
74980	<i>Clinocardium</i> sp.	71897	<i>Colus virens</i>	66500	crangonid shrimp unid.
71886	<i>Clinopegma magnum</i>	45000	comb jelly unid.	66500	Crangonidae
72821	<i>Clinopegma unicum</i>	80636	Commander spiny star	99988	<i>Craniella arb</i>
43020	clonal plumose anemone	66575	common argid	99981	<i>Craniella craniana</i>
91053	cloud sponge	97110	common brachiopod	99985	<i>Craniella sigmoanchoratum</i>
91067	club sponge	79311	common clubhook squid	99987	<i>Craniella</i> sp.
98206	<i>Cnemidocarpa finmarkiensis</i>	81780	common mud star	99984	<i>Craniella</i> sp. B
40001	Cnidaria	82771	common northern feather star	99982	<i>Craniella spinosa</i>
66534	coastal spinyhead	98072	common salp	99983	<i>Craniella sputnika</i>
74981	cockle unid.	98300	compound ascidian unid.	91127	<i>Craniella villosa</i>
40001	coelenterate unid.	77102	<i>Compressidens stearnsii</i>	71355	<i>Cranopsis cucullata</i>
71090	<i>Colga pacifica</i>	75016	<i>Compsomyax subdiaphanus</i>	71350	<i>Cranopsis major</i>
69911	<i>Colossendeis dofleini</i>	74924	<i>Conchocele bisecta</i>	71349	<i>Cranopsis</i> sp.
69912	<i>Colossendeis microsetosa</i>	72803	conical lamellaria	74130	<i>Crassadoma gigantea</i>
69910	<i>Colossendeis</i> sp.	66050	coonstripe shrimp	91062	<i>Crella brunnea</i>
72770	<i>Columbella</i> sp.	64500	copepod unid.	74564	<i>Crenella seminuda</i>
65211	Columbian barnacle	64500	Copepoda	74639	crenulate Astarte
71714	<i>Colus acosmius</i>	95080	coral bryozoan	72780	crenulated whelk
71730	<i>Colus aphelus</i>	43009	<i>Corallimorphus</i> sp.	71640	<i>Crepidula</i> sp.
71733	<i>Colus bristolensis</i>	98307	<i>Corella willmeriana</i>	85169	crescent sea cucumber
71715	<i>Colus calathus</i>	98308	corellid tunicates	81130	crested sea star
71895	<i>Colus callorhinus</i>	98308	Corellidae	81125	crested star
71713	<i>Colus capponius</i>	91255	<i>Cornulum clathriata</i>	43082	<i>Cribrinopsis fernaldi</i>
71732	<i>Colus datuzenbergii</i>	74565	corrugate mussel	43081	<i>Cribrinopsis</i> sp.
71725	<i>Colus esychus</i>	72773	costate whelk	66772	crimson pasiphaeid
71727	<i>Colus georgianus</i>	91109	cotton ball sponge	82750	crinoid unid.
71900	<i>Colus griseus</i>	98001	cow-eye tunicate	71333	crispate scissurelle
71731	<i>Colus halli</i>	43029	cowardly anemone	44019	<i>Crispatotrochus foxi</i>
71721	<i>Colus herendeenii</i>	65204	crab barnacle	74416	crisscrossed Yoldia
71722	<i>Colus hypolispus</i>	68000	crab unid.	81092	<i>Crossaster borealis</i>
71719	<i>Colus jordani</i>	79405	<i>Cranchia scabra</i>	81095	<i>Crossaster papposus</i>
71716	<i>Colus martensi</i>	79406	Cranchiidae	81090	<i>Crossaster</i> sp.
71896	<i>Colus oceandromae</i>	66510	<i>Crangon abyssorum</i>	81093	<i>Crossaster</i> sp. A (Clark)
71723	<i>Colus ombronius</i>	66512	<i>Crangon alaskensis</i>	81094	<i>Crossaster</i> sp. B (Clark)
71718	<i>Colus periscelidus</i>	66509	<i>Crangon alba</i>	72304	crowned hairynail
71720	<i>Colus sabini</i>	66515	<i>Crangon communis</i>	60001	Crustacea
71710	<i>Colus</i> sp.	66530	<i>Crangon dalli</i>	60001	crustacean unid.
71925	<i>Colus</i> sp. A (Clark and McLean)	66517	<i>Crangon franciscorum</i>	43044	crusty red anemone
71926	<i>Colus</i> sp. B (Clark and McLean)	66550	<i>Crangon nigricauda</i>	91036	crusty tube sponge

CODE	NAME	CODE	NAME	CODE	NAME
41595	<i>Cryogorgia koolsae</i>	74179	<i>Cyclopecten</i> sp. cf. <i>benthalis</i> (Clark and McLean)	81850	<i>Dipsacaster</i> sp.
44038	<i>Cryptelia</i> sp.	74178	<i>Cyclopecten uschakovi</i>	72761	dire whelk
44036	<i>Cryptelia trophostega</i>	73351	<i>Cylichna alba</i>	71212	<i>Dirona pellucida</i>
70108	<i>Cryptochiton stelleri</i>	71020	Dall dendronotid	71210	dironid nudibranchs
69327	<i>Cryptolithodes sitchensis</i>	77012	Dall tuskshell	71210	Dironidae
69329	<i>Cryptolithodes</i> sp.	66163	Dana blade shrimp	95039	disc bryozoan
69328	<i>Cryptolithodes typicus</i>	79002	Decapodiform egg	98331	disc-top tunicate
71526	<i>Cryptonatica affinis</i>	79000	Decapodiformes	74562	discordant mussel
71535	<i>Cryptonatica aleutica</i>	85270	deep sea papillate cucumber	69011	<i>Discorsopagurus schmitti</i>
71537	<i>Cryptonatica russa</i>	66162	deep-bladed shrimp	98212	<i>Distaplia occidentalis</i>
71524	<i>Cryptonatica</i> sp.	69560	deep-sea lobster	98213	<i>Distaplia smithi</i>
80670	<i>Cryptopeltaster lepidonotus</i>	66190	deepsea eualid	98210	<i>Distaplia</i> sp.
81780	<i>Ctenodiscus crispatus</i>	66535	deepsea spinyhead	98214	<i>Distaplia</i> sp. A (Clark 2006)
81779	<i>Ctenodiscus</i> sp.	81350	deepwater Pteraster	44061	<i>Distichopora borealis</i>
45000	Ctenophora	74171	<i>Delectopecten vancouverensis</i>	44060	<i>Distichopora</i> sp.
85201	<i>Cucumaria fallax</i>	91010	Demospongiae	74342	divaricate nutclam
85202	<i>Cucumaria frondosa</i>	82741	<i>Dendraster excentricus</i>	66025	dock shrimp
85010	<i>Cucumaria japonica</i>	95105	<i>Dendrobeatia</i> sp.	66177	doll eualid
85200	<i>Cucumaria</i> sp.	98085	<i>Dendrodoa aggregata</i>	71250	dorid nudibranch unid.
85203	cucumariid sea cucumbers	71020	<i>Dendronotus dalli</i>	71250	Doridae
85203	Cucumariidae	71021	<i>Dendronotus frondosus</i>	71260	<i>Doris odhneri</i>
63000	Cumacea	71018	<i>Dendronotus</i> sp.	79120	<i>Doryteuthis opalescens</i>
63000	cumacean unid.	71022	<i>Dendronotus subramosus</i>	79265	<i>Dosidicus gigas</i>
44019	cup coral	77010	Dentaliidae	72770	dovesnails
44004	cup corals	77011	<i>Dentalium</i> sp.	91273	Drumm et al.
72183	<i>Curtitoma decussata</i>	56312	depressed scale worm	68020	Dungeness crab
81312	cushion sea star	80910	<i>Dermasterias imbricata</i>	82775	dwarf feather star
75560	<i>Cuspidaria glacialis</i>	69312	<i>Dermaturus mandtii</i>	65210	eared barnacle
71051	<i>Cuthona concinna</i>	44017	<i>Desmophyllum dianthus</i>	79020	eastern Pacific bobtail
40561	<i>Cyanea capillata</i>	80018	<i>Diamphiodia occidentalis</i>	82500	Echinacea
40560	<i>Cyanea</i> sp.	63101	<i>Diastylis alaskensis</i>	82740	<i>Echinarachnius parma</i>
74654	<i>Cyclocardia crassidens</i>	63102	<i>Diastylis dalli</i>	91063	<i>Echinoclathria beringensis</i>
74655	<i>Cyclocardia crebricostata</i>	63100	<i>Diastylis</i> sp.	91239	<i>Echinoclathria</i> sp.
74652	<i>Cyclocardia ovata</i>	71016	<i>Diaulula sandiegensis</i>	91238	<i>Echinoclathria</i> sp. A (Clark 2006)
74656	<i>Cyclocardia</i> sp.	71269	<i>Diaulula</i> sp. A (Clark 2006)	94500	Echiura
74658	<i>Cyclocardia</i> sp. cf. <i>borealis</i> (Clark 2006)	98325	Didemnidae	94500	echiuroid worm unid.
74657	<i>Cyclocardia umnaka</i>	71357	<i>Diodora aspera</i>	71911	egg whelk
74653	<i>Cyclocardia ventricosa</i>	81360	<i>Diplopteraster multipes</i>	40505	egg yolk jelly
44040	<i>Cyclohelia lamellata</i>	81361	<i>Diplopteraster</i> sp.	50201	eighteen-scaled worm
44041	<i>Cyclohelia</i> sp.	81860	<i>Dipsacaster anoplus</i>	69121	<i>Elassochirus cavimanus</i>
74177	<i>Cyclopecten davidsoni</i>	81870	<i>Dipsacaster borealis</i>	69122	<i>Elassochirus gilli</i>
74176	<i>Cyclopecten</i> sp.	81875	<i>Dipsacaster eximus</i>	69123	<i>Elassochirus</i> sp.
				69110	<i>Elassochirus tenuimanus</i>

CODE	NAME	CODE	NAME	CODE	NAME
71552	elegant dove snail	66174	<i>Eualus fabricii</i>	44091	<i>Fanellia fraseri</i>
71356	elegant emarginula	66175	<i>Eualus gaimardii</i>	44089	<i>Fanellia</i> sp.
75336	elegant soft shell	66179	<i>Eualus macilentus</i>	82775	<i>Fariometra</i> sp.
74643	elliptical Astarte	66180	<i>Eualus macrophthalmus</i>	91721	<i>Farrea beringiana</i>
72804	elongate lamellaria	66177	<i>Eualus pusiolus</i>	91722	<i>Farrea occa</i>
74482	<i>Empleconia vaginata</i>	66170	<i>Eualus</i> sp.	91720	<i>Farrea</i> sp.
92502	<i>Emplectonema</i> sp.	66192	<i>Eualus stoneyi</i>	75103	fat gaper
92505	<i>Emplectonema</i> sp. (Clark 2006)	66193	<i>Eualus suckleyi</i>	71882	fat whelk
99991	empty barnacle shells	66173	<i>Eualus townsendi</i>	71801	fat whelk egg
99993	empty bivalve shells	95020	<i>Eucratea loricata</i>	82770	featherstar crinoid
99994	empty gastropod shells	71519	<i>Eulima</i> sp.	95020	feathery bryozoan
41752	encrusting coral	71519	eulimas	44086	feathery Plumarella
91996	encrusting sponge morphotype	50005	<i>Eunice valens</i>	75382	feathery shipworm
44078	enigmatic hydrocoral	56312	<i>Eunoe depressa</i>	71026	festive Tritonia
78403	<i>Enteractopus dofleini</i>	56311	<i>Eunoe nodosa</i>	91070	fiber optic sponge
75218	<i>Entodesma navicula</i>	56313	<i>Eunoe senta</i>	79203	fiery armhook squid
79207	<i>Eogonatus tinro</i>	56310	<i>Eunoe</i> sp.	72744	finch whelk
60106	<i>Epimeria</i> sp.	85167	<i>Eupentacta quinquesemita</i>	72542	fine-groove solarelle
72081	<i>Epitoneum indianorum</i>	85166	<i>Eupentacta</i> sp.	91064	firm finger sponge
72066	<i>Epitonium indianorum</i>	63500	Euphausiacea	91230	firm gray sponge
72064	<i>Epitonium</i> sp.	63500	euphausiid unid.	91084	firm yellow green sponge
43224	<i>Epizoanthus scotinus</i>	50205	<i>Euphrosine multibranchiata</i>	81071	Fisher sun star
91995	erect sponge morphotype	41586	<i>Euplexaura marki</i>	44009	flabellid trumpet corals
69400	<i>Erimacrus isenbeckii</i>	41585	<i>Euplexaura</i> sp.	44009	Flabellidae
69401	<i>Erimacrus</i> sp.	66005	<i>Eusergestes similis</i>	71110	<i>Flabellina</i> sp.
71634	eroded turretsnail	60105	<i>Eusirus cuspidatus</i>	71111	<i>Flabellina trophina</i>
72786	eroded whelk	60104	<i>Eusirus</i> sp.	71112	Flabellinidae
44121	<i>Errinopora dichotoma</i>	71570	<i>Euspira lewisii</i>	44005	<i>Flabellum</i> sp. A (Clark 2006)
44076	<i>Errinopora disticha</i>	71517	<i>Euspira monterona</i>	78030	flapjack devilfish
44120	<i>Errinopora fisheri</i>	71575	<i>Euspira</i> sp.	69318	flatspine triangle crab
44082	<i>Errinopora nanneca</i>	80020	<i>Evasterias echinosoma</i>	95050	flattened bryozoan
44079	<i>Errinopora pourtalesi</i>	80012	<i>Evasterias retifera</i>	92000	flatworm unid.
44081	<i>Errinopora</i> sp.	80010	<i>Evasterias</i> sp.	82761	<i>Florometra acrima</i>
44077	<i>Errinopora</i> sp. B (Clark 2006)	80015	<i>Evasterias troschelii</i>	82771	<i>Florometra asperrima</i>
44078	<i>Errinopora</i> sp. C (Clark 2006)	81080	evening sun sea star	82765	<i>Florometra inexpectata</i>
44042	<i>Errinopora undulata</i>	82035	Evermann seastar	82770	<i>Florometra serratissima</i>
44080	<i>Errinopora zarhyncha</i>	71905	<i>Exilioidea kelseyi</i>	82760	<i>Florometra</i> sp.
95060	<i>Escharopsis sarsi</i>	71904	<i>Exilioidea rectirostris</i>	95011	fluffy sponge
91092	<i>Esperiopsis flagrum</i>	66202	false candy-stripe shrimp	91110	Flugel nipped sponge
66172	<i>Eualus avinus</i>	74112	false Iceland scallop	95030	<i>Flustra serrulata</i>
66171	<i>Eualus barbatus</i>	75335	false softshell	95035	<i>Flustrellidra corniculata</i>
66190	<i>Eualus biunguis</i>	75610	falsejingle unid.	44076	foliate hydrocoral
66176	<i>Eualus butleri</i>	44090	<i>Fanellia compressa</i>	72423	foliate thornmouth

CODE	NAME	CODE	NAME	CODE	NAME
74075	foolish mussel	91705	<i>Geodinella lendenfeldi</i>	79250	<i>Gonatopsis</i> sp.
83312	four spined brittle star	91704	<i>Geodinella</i> sp.	79255	<i>Gonatopsis</i> sp. A (Jorgensen)
71515	fragile moonsnail	80603	<i>Gephyreaster</i> sp.	79253	<i>Gonatopsis</i> sp. cf. <i>japonica</i> (Kubodera and Okutani)
81910	fragile sea star	80602	<i>Gephyreaster swifti</i>	79202	<i>Gonatus berryi</i>
71756	fragile whelk	41220	<i>Gersemia fruticosa</i>	79204	<i>Gonatus californiensis</i>
71758	fragile whelk egg	41221	<i>Gersemia rubiformis</i>	79206	<i>Gonatus kamtschaticus</i>
97111	<i>Frieleia halli</i>	41201	<i>Gersemia</i> sp.	79205	<i>Gonatus madokai</i>
71542	frilled dogwinkle	69653	ghost shrimp	79208	<i>Gonatus middendorffi</i>
71765	frilled whelk	80116	giant Aleutian six-rayed star	79201	<i>Gonatus onyx</i>
71021	frond-aeolis	65203	giant barnacle	79203	<i>Gonatus pyros</i>
91056	funnel sponge	69651	giant ghost shrimp	79200	<i>Gonatus</i> sp.
68011	furrowed rock crab	62050	giant isopod	80735	goniasterid sea stars
99982	furry ball sponge	72533	giant margarite	80735	Goniasteridae
85261	furry sea cucumber	78403	giant octopus	41500	Gorgonacea
72500	<i>Fusitriton oregonensis</i>	85016	giant orange cucumber	41500	gorgonian coral unid.
71003	<i>Fusitriton oregonensis</i> egg	71012	giant orange tochui	83020	<i>Gorgonocephalus eucnemis</i>
72501	<i>Fusitriton</i> sp.	70108	giant Pacific chiton	83022	<i>Gorgonocephalus</i> sp.
69285	fuzzy crab	80311	giant pink star	83021	<i>Gorgonocephalus</i> sp. cf. <i>arcticus</i>
91120	fuzzy cratered sponge	64011	giant red mysid	68510	graceful decorator crab
80560	fuzzy henricia	74130	giant rock-scallop	69531	graceful kelp crab
69086	fuzzy hermit crab	56311	giant scale worm	68060	graceful rock crab
60121	fuzzy pink amphipod	80020	giant sea star	69072	grainyhand hermit
91251	fuzzy sponge	68511	giant spider crab	71681	<i>Grandicrepidula grandis</i>
91238	fuzzy tree sponge	80556	giant toothed Henricia	78352	<i>Graneledone boreopacifica</i>
60122	fuzzy yellow amphipod	43021	gigantic anemone	78353	<i>Graneledone</i> sp. cf. <i>boreopacifica</i> (Nesis)
77015	Gadilidae	91241	ginseng sponge	43050	grape anemone
69550	galatheid crab unid.	75220	glacial Pandora	62021	gravel isopod
69550	Galatheididae	72758	glacial whelk	50215	gravel tube worm
79340	<i>Galiteuthis phyllura</i>	91700	glass sponge unid.	41332	gray Anthomastus
60110	gammarid amphipod unid.	98322	glassy tunicate	83319	gray brittle star
60110	Gammaridae	98212	globular ascidian	72303	gray hairsnail
75120	<i>Gari californica</i>	52715	<i>Glycera</i> sp.	71900	gray whelk
71718	garter whelk	74485	<i>Glycymeris septentrionalis</i>	71350	great puncturella
71001	gastropod egg	75235	<i>Glycymeris</i> sp.	71681	great slippersnail
71500	Gastropoda	74486	<i>Glycymeris subobsolata</i>	91226	green papillate sponge
71503	<i>Gastropterion pacifica</i>	62015	<i>Gnorimosphaeroma</i> sp.	82510	green sea urchin
71023	<i>Gastropterion pacificum</i>	91035	goblet sponge	75285	Greenland cockle
69555	<i>Gastroptychus iaspis</i>	69310	golden king crab	66179	Greenland shrimp
56321	<i>Gattyana ciliata</i>	98225	golden star ascidian	72065	Greenland wentletrap
91046	<i>Geodia mesotriaena</i>	94001	<i>Golfingia margaritacea</i>	69071	greenmark hermit
91047	<i>Geodia</i> sp.	79199	Gonatidae	78040	<i>Grimpoteuthis albatrossi</i>
91100	<i>Geodia starki</i>	79252	<i>Gonatopsis borealis</i>	81092	grooved sea star
91044	Geodiidae	79254	<i>Gonatopsis makko</i>		

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68550	grooved Tanner crab	69905	<i>Hedgpethia</i> sp.	98084	hexagonal tunicate
66761	grooved-back shrimp	82755	<i>Heliometa glacialis</i>	74311	<i>Hiatella arctica</i>
74326	gutless awning clam	68781	helmet crab	74310	<i>Hiatella</i> sp.
71739	<i>Habevolutopsius attenuatus</i>	40503	helmet jelly	75606	<i>Hinnites</i> sp.
71748	<i>Habevolutopsius hirasei</i>	71353	helmet Puncturella	80633	<i>Hippasteria aleutica</i>
74983	hairy cockle	71886	helmet whelk	80632	<i>Hippasteria armata</i>
69120	hairy hermit crab	97120	<i>Hemithiris psittacea</i>	80640	<i>Hippasteria californica</i>
91002	hairy lemon sponge	97010	hemithyrid brachiopods	80645	<i>Hippasteria heathi</i>
98324	hairy tunicate	97010	Hemithyrididae	80631	<i>Hippasteria kurilensis</i>
91201	hairy urn sponge	80545	<i>Henricia aleutica</i>	80646	<i>Hippasteria leiopelta</i>
91085	hairy vase sponge	80543	<i>Henricia aspera</i>	80647	<i>Hippasteria pedicellaris</i>
72381	hairysnails	80547	<i>Henricia asthenactis</i>	80650	<i>Hippasteria phrygiana (=spinosa)</i>
75570	<i>Halicardia perplicata</i>	80541	<i>Henricia clarki</i>	80630	<i>Hippasteria</i> sp.
91241	<i>Halichondria oblonga</i>	80539	<i>Henricia derjugini</i>	80634	<i>Hippasteria</i> sp. B (Clark)
91050	<i>Halichondria panicea</i>	80598	<i>Henricia dyscrita</i>	80635	<i>Hippasteria</i> sp. C (Clark)
91262	<i>Halichondria sitchensis</i>	80544	<i>Henricia leviuscula</i>	80636	<i>Hippasteria</i> sp. D (Clark)
91049	<i>Halichondria</i> sp.	80535	<i>Henricia lineata</i>	80637	<i>Hippasteria</i> sp. E (Clark)
91273	<i>Haliclona bucina</i>	80548	<i>Henricia longispina</i>	95072	<i>Hippodiplosia</i> sp.
91265	<i>Haliclona digitata</i>	80549	<i>Henricia multispina</i>	66150	hippolytid shrimp unid.
91272	<i>Haliclona primitiva</i>	80537	<i>Henricia rhytisma</i>	66150	Hippolytidae
91014	<i>Haliclona</i> sp.	80542	<i>Henricia sanguinolenta</i>	95071	<i>Hippoporina insculpta</i>
91264	<i>Haliclona</i> sp. 2 (Stone et al., 2011)	80540	<i>Henricia</i> sp.	59100	Hirudinea
42013	<i>Halipterus californica</i>	80536	<i>Henricia</i> sp. B (Clark 2006)	79511	<i>Histioteuthis dofleini</i>
42010	<i>Halipterus finmarchia</i>	80560	<i>Henricia</i> sp. D (Clark 2006)	79510	<i>Histioteuthis heteropsis</i>
42008	<i>Halipterus</i> sp.	80561	<i>Henricia</i> sp. E (Clark 2006)	79512	<i>Histioteuthis hoylei</i>
42009	<i>Halipterus</i> sp. A (Stone 2015)	80546	<i>Henricia tumida</i>	79509	<i>Histioteuthis</i> sp.
42012	<i>Halipterus willemoesi</i>	66306	<i>Heptacarpus camtschaticus</i>	91066	<i>Histodermella kagigunensis</i>
97111	Hall lamp shell	66302	<i>Heptacarpus flexus</i>	85000	Holothuroidea
98205	<i>Halocynthia aurantium</i>	66032	<i>Heptacarpus maxillipes</i>	71355	hood puncturella
98324	<i>Halocynthia hispidus</i>	66303	<i>Heptacarpus moseri</i>	43200	Hormathiidae
98204	<i>Halocynthia igaboja</i>	66301	<i>Heptacarpus</i> sp.	73210	horn shell
98200	<i>Halocynthia</i> sp.	66304	<i>Heptacarpus stylus</i>	66615	horned shrimp
50201	<i>Halosydna brevisetosa</i>	66305	<i>Heptacarpus tenuissimus</i>	69080	hornyhand hermit
65211	<i>Hamatoscalpellum columbianum</i>	71013	<i>Hermisenda crassicornis</i>	69400	horsehair crab
94502	<i>Hamingia arctica</i>	69010	hermit crab unid.	43045	hot dog zoanthid
69320	Hanasaki king crab	91020	hermit sponge	79265	Humboldt squid
69316	<i>Hapalogaster grebnitzkii</i>	91035	<i>Heterochone calyx</i>	75025	<i>Humilaria kennerleyi</i>
69314	<i>Hapalogaster mertensii</i>	91036	<i>Heterochone tenera</i>	66045	humpy shrimp
69315	<i>Hapalogaster</i> sp.	95104	<i>Heteropora alaskensis</i>	74987	hundred-line cockle
91063	hat sponge	95103	<i>Heteropora</i> sp.	91070	<i>Hyalonema</i> sp.
82675	heart urchin	81100	<i>Heterozonias alternatus</i>	68577	<i>Hyas coarctatus</i>
82650	heart urchin unid.	81101	<i>Heterozonias</i> sp.	68578	<i>Hyas lyratus</i>
75247	heavy Macoma	91700	Hexactinellida	69520	<i>Hyas</i> sp.

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68590	hybrid Tanner crab	72765	Katherine whelk	95030	leafy bryozoan
40020	<i>Hydractinia</i> sp.	72063	keeled Aforia	80910	leather sea star
44029	hydrocoral unid.	74803	<i>Kellia laperousii</i>	43041	leathery anemone
40011	hydroid unid.	74802	<i>Kellia suborbicularis</i>	66202	<i>Lebbeus acudactylus</i>
40011	Hydroidolina	69530	kelp crab	66201	<i>Lebbeus grandimana</i>
40010	Hydrozoa	75025	Kennerleys venus	66203	<i>Lebbeus groenlandicus</i>
81365	<i>Hymenaster</i> sp.	44088	<i>Keratoisis</i> sp.	66205	<i>Lebbeus mundus</i>
91228	<i>Hymeniacion</i> <i>assimilis</i>	81070	Kessler sun star	66204	<i>Lebbeus polaris</i>
66840	<i>Hymenodora frontalis</i>	72062	Kinkaid Aforia	66200	<i>Lebbeus</i> sp.
66839	<i>Hymenodora</i> sp.	99984	knobby ball sponge	66206	<i>Lebbeus washingtonianus</i>
74105	Iceland scallop	69070	knobbyhand hermit	59100	leech unid.
71585	icy lamellaria	72370	Kroyer hairy snail	71755	left-hand whelk
41510	<i>Ideogorgia</i> sp.	66611	kuro argid	95004	<i>Leieschara</i> sp.
95045	<i>Idmidronea</i> sp.	74803	La Perouse kellyclam	65101	<i>Lepas</i> sp.
62012	Idoteidae	69061	<i>Labidochirus splendescens</i>	44110	<i>Lepidisis</i> sp.
91102	<i>Inflatella globosa</i>	72527	<i>Lacuna crassior</i>	70112	<i>Lepidozона abyssicola</i>
99992	invertebrate egg unid.	91725	lacy basket sponge	70111	<i>Lepidozона beringiana</i>
99990	invertebrate unid.	72752	ladder whelk	70114	<i>Lepidozона retiporosa</i>
60101	<i>Iphinoe</i> sp.	71584	<i>Lamellaria</i> sp.	70113	<i>Lepidozона</i> sp.
50005	iridescent tubeworm	71591	<i>Lamellaria</i> sp. A (Clark and McLean)	70110	<i>Lepidozона trifida</i>
44085	<i>Isidella</i> sp.	71592	<i>Lamellaria</i> sp. B (Clark and McLean)	80594	<i>Leptasterias arctica</i>
44065	<i>Isidella tentaculum</i>	71593	<i>Lamellaria</i> sp. C (Clark and McLean)	80596	<i>Leptasterias camtschatica</i>
44084	Isididae	71594	<i>Lamellaria</i> sp. D (Clark and McLean)	80115	<i>Leptasterias coei</i>
91257	<i>Isodictya palmata</i>	71594	<i>Lamellaria</i> sp. E (Clark and McLean)	80110	<i>Leptasterias groenlandica</i>
91088	<i>Isodictya rigida</i>	71595	<i>Lamellaria</i> sp. F (McLean and Clark)	80111	<i>Leptasterias hexactis</i>
91256	<i>Isodictya</i> sp.	71596	lamellarid unid.	80112	<i>Leptasterias hylodes</i>
62000	isopod unid.	71583	Lamellariidae	80591	<i>Leptasterias katharinae</i>
62000	Isopoda	71583	Lamellariidae	80117	<i>Leptasterias leptodoma</i>
68575	Japanese Tanner crab	91054	lampshade sponge	80590	<i>Leptasterias polaris</i>
71740	<i>Japelion aleutica</i>	97000	lampshell unid.	80595	<i>Leptasterias</i> sp.
71741	<i>Japelion</i> sp.	97116	<i>Laqueus californianus</i>	80118	<i>Leptasterias</i> sp. A (Clark)
71742	<i>Japelion</i> sp. A	97117	<i>Laqueus vancouverensis</i>	80119	<i>Leptasterias</i> sp. B (Clark)
71743	<i>Japelion</i> sp. B	82672	large green heart urchin	80113	<i>Leptasterias stolocantha</i>
78022	<i>Japetella diaphana</i>	74801	Lasaeidae	80116	<i>Leptasterias truculenta</i>
78021	<i>Japetella heathi</i>	91226	<i>Latrunculia oparinae</i>	70125	<i>Leptochiton alveolus</i>
78023	<i>Japetella</i> sp.	91225	<i>Latrunculia</i> sp.	70127	<i>Leptochiton belknapi</i>
44010	<i>Javania borealis</i>	91227	<i>Latrunculia</i> sp. B (Clark 2006)	70128	<i>Leptochiton mesogonus</i>
44011	<i>Javania cailleti</i>	91224	<i>Latrunculia velera</i>	70124	<i>Leptochiton</i> sp.
44012	<i>Javania</i> sp.	91255	lattice sponge	81829	<i>Leptychaster anomalus</i>
40500	jellyfish unid.	95015	lattice-work bryozoan	81835	<i>Leptychaster arcticus</i>
79509	jewel squids			81830	<i>Leptychaster pacificus</i>
41582	Kamchatka coral			81831	<i>Leptychaster propinquus</i>
72408	Kamchatka trophon			81820	<i>Leptychaster</i> sp.

CODE	NAME	CODE	NAME	CODE	NAME
80200	<i>Lethasterias nanimensis</i>	81130	<i>Lophaster furcilliger</i>	72534	<i>Margarites argentatus</i>
80201	<i>Lethasterias</i> sp.	81120	<i>Lophaster</i> sp.	72539	<i>Margarites beringensis</i>
91052	<i>Leucandra heathi</i>	81121	<i>Lophaster</i> sp. A (Clark)	72535	<i>Margarites costalis</i>
91097	<i>Leucandra</i> sp.	81122	<i>Lophaster</i> sp. B (Clark)	72533	<i>Margarites giganteus</i>
91085	<i>Leucandra</i> sp. A (Clark 2006)	81125	<i>Lophaster vexator</i>	72532	<i>Margarites pupillus</i>
91087	<i>Leucandra tuba</i>	69270	<i>Lopholithodes foraminatus</i>	72531	<i>Margarites</i> sp.
91106	<i>Leucilla nuttingi</i>	69280	<i>Lopholithodes mandtii</i>	72536	<i>Margarites</i> sp. A (Clark and McLean)
91073	<i>Leucosolenia</i> sp.	69260	<i>Lopholithodes</i> sp.	72537	<i>Margarites</i> sp. B (Clark and McLean)
75030	<i>Leukoma staminea</i>	71406	Lottiidae	72538	<i>Margarites</i> sp. C (Clark and McLean)
92802	light-edged ribbon worm	74986	low-rib cockle	82691	<i>Marginoproctus djakonovi</i>
41551	<i>Lillipathes lilliei</i>	68515	<i>Loxorhynchus crispatus</i>	82690	<i>Marginoproctus</i> sp.
41552	<i>Lillipathes</i> sp. A (Clark 2006)	75420	<i>Lucinoma annulatum</i>	69073	maroon hermit
41553	<i>Lillipathes</i> sp. B (Clark 2006)	80810	<i>Luidia foliolata</i>	42009	maroon sea whip
74571	<i>Limatula attenuata</i>	80800	<i>Luidia</i> sp.	80710	<i>Mediaster aequalis</i>
74572	<i>Limatula</i> sp. A (Clark and McLean)	71580	<i>Lunatia pallida</i>	80690	<i>Mediaster</i> sp.
72803	<i>Limneria prolongata</i>	71759	<i>Lussivoluptosius filusus</i>	80691	<i>Mediaster tenellus</i>
74481	<i>Limopsis akutanica</i>	75410	<i>Lyonsia arenosa</i>	95037	medusa bryozoan
71405	limpet unid.	74511	<i>Lyonsia</i> sp.	72775	mega-ribbed chestnut whelk
80535	lined blood star	71870	lyre whelk	74412	<i>Megayoldia</i> sp.
75092	<i>Liocyma fluctosa</i>	60149	Lysianassidae	74419	<i>Megayoldia thraciaeformis</i>
71913	<i>Liomesus nassula</i>	60149	lysianassid amphipods	60130	<i>Melita dentata</i>
71910	<i>Liomesus</i> sp.	75246	<i>Macoma moesta</i>	60132	<i>Melita</i> sp.
40561	lion's mane	75247	<i>Macoma brota</i>	95095	<i>Membranipora</i> sp.
43090	<i>Liponema brevicorne</i>	75242	<i>Macoma calcarea</i>	66536	<i>Mesocrangon intermedia</i>
72748	lirate whelk	75245	<i>Macoma carlottensis</i>	66534	<i>Metacrangon munita</i>
66546	<i>Lissocrangon stylirostris</i>	75248	<i>Macoma inquinata</i>	66533	<i>Metacrangon</i> sp.
69310	<i>Lithodes aequispinus</i>	75241	<i>Macoma nasuta</i>	66535	<i>Metacrangon variabilis</i>
69300	<i>Lithodes couesi</i>	75244	<i>Macoma secta</i>	43021	<i>Metridium farcimen</i>
69290	<i>Lithodes</i> sp.	75240	<i>Macoma</i> sp.	43020	<i>Metridium senile</i>
69250	Lithodidae	75243	<i>Macoma yoldiformis</i>	43010	<i>Metridium</i> sp.
65102	<i>Litoscalpellum ursum</i>	68511	<i>Macroregonia macrochira</i>	95100	<i>Microporina articulata</i>
72532	little margarite	75111	<i>Mactromeris polynyma</i>	95102	<i>Microporina</i> sp.
62010	<i>Livoneca</i> sp.	75110	<i>Mactromeris</i> sp.	75016	milky venus
91260	lobed tree sponge	79210	magistrate armhook squid	74060	<i>Modiolus modiolus</i>
91213	lollypop sponge	80230	majestic sea star	71906	<i>Mohnia robusta</i>
91111	long nipples sponge	68500	Majidae	69557	mole crab
69553	long-armed pinch bug	79254	makko armhook squid	99902	<i>Molgula griffithsii</i>
80170	long-rayed star	92900	Maldanidae	99904	<i>Molgula retortiformis</i>
71358	long-slot Puncturella	72130	<i>Mangelia carlottae</i>	99900	<i>Molgula</i> sp.
69095	longfinger hermit	69335	many spine spider crab	70000	Mollusca
69100	longhand hermit	74655	many-rib Cyclocardia	70000	mollusk unid.
68520	longhorned decorator crab	72777	many-ribbed chestnut whelk		
44097	loose-branched Plumarella	71354	many-ribbed Puncturella		

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85110	<i>Molpadia arenicola</i>	91086	<i>Mycale carlilei</i>	71771	<i>Neoberingius frielei</i>
85120	<i>Molpadia intermedia</i>	91040	<i>Mycale loveni</i>	71790	<i>Neoberingius</i> sp.
85115	<i>Molpadia</i> sp.	91039	<i>Mycale</i> sp.	91091	<i>Neoesperiopsis</i> sp.
91261	<i>Monanchora alaskensis</i>	91041	<i>Mycale</i> sp. A (Clark 2006)	64011	<i>Neognathophausia gigas</i>
91263	<i>Monanchora laminachela</i>	91094	<i>Mycale tylota</i>	64012	<i>Neognathophausia ingens</i>
91068	<i>Monanchora pulchra</i>	95006	<i>Myriapora orientalis</i>	64010	<i>Neognathophausia</i> sp.
72081	money wentletrap	95007	<i>Myriapora</i> sp.	72304	<i>Neoiphinoe coronata</i>
71055	Monterey dorid	95005	<i>Myriapora</i> sp. cf. <i>subgracilis</i> (Bayer et al.)	72372	<i>Neoiphinoe echinata</i>
71510	moonsnail	95040	<i>Myriapora subgracilis</i>	72370	<i>Neoiphinoe kroyeri</i>
71511	moonsnail egg unid.	85085	<i>Myriotrochus rinkii</i>	72371	<i>Neoiphinoe permabilis</i>
70140	<i>Mopalia egretta</i>	64000	Mysida	69341	<i>Neolithodes diomedea</i>
70126	<i>Mopalia swanii</i>	64100	Mysidae	70062	<i>Neomenia</i> cf. <i>yamamoti</i> (Clark 2006)
81064	morning sun sea star	74050	Mytilidae	70061	<i>Neomenia efgamatoi</i>
79302	<i>Moroteuthis robusta</i>	74070	<i>Mytilus californianus</i>	70060	<i>Neomenia</i> sp.
43042	mottled anemone	74080	<i>Mytilus edulis</i>	70050	Neomeniomorpha
80537	mottled Henricia	74065	<i>Mytilus</i> sp.	64101	<i>Neomysis awatschensis</i>
71235	mottled pale sea-lemon	74075	<i>Mytilus trossulus</i>	99910	neon yellow ascidian
80015	mottled sea star	57001	<i>Myxicola infundibulum</i>	91051	neon yellow vase sponge
69556	<i>Munida quadrispina</i>	91061	<i>Myxilla lacunosa</i>	69651	<i>Neotrypaea gigas</i>
69553	<i>Munidopsis quadrata</i>	91060	<i>Myxilla parasitica</i>	40061	<i>Neoturris brevicornis</i>
69552	<i>Munidopsis</i> sp.	91098	<i>Myxilla pedunculata</i>	53700	Nephtyidae
69551	<i>Munidopsis verrilli</i>	82090	<i>Myxoderma platyacanthum</i>	71810	<i>Neptunea amianta</i>
66159	Murdoch blade shrimp	82091	<i>Myxoderma sacculatum</i>	71835	<i>Neptunea borealis</i>
44092	<i>Muriceides nigra</i>	72544	naked solarelle	71005	<i>Neptunea borealis</i> egg
44093	<i>Muriceides</i> sp.	71014	Nanaimo dorid	71850	<i>Neptunea eulimata</i>
71540	Muricidae	71530	<i>Natica clausa</i>	70871	<i>Neptunea gyroscopoides</i>
42021	Murray sea pen	71512	<i>Natica russa</i> egg	71884	<i>Neptunea heros</i>
68100	<i>Mursia gaudichaudii</i>	71525	<i>Natica</i> sp.	71006	<i>Neptunea heros</i> egg
74562	<i>Musculus discors</i>	71510	Naticidae	71883	<i>Neptunea insularis</i>
74565	<i>Musculus glacialis</i>	71511	Naticidae egg	71881	<i>Neptunea ithia</i>
74561	<i>Musculus niger</i>	73189	<i>Neadmete circumcenta</i>	71870	<i>Neptunea lyrata</i>
74563	<i>Musculus olivaceus</i>	73190	<i>Neadmete modesta</i>	71803	<i>Neptunea meridionalis</i>
74560	<i>Musculus</i> sp.	81920	<i>Nearchaster aciculatus</i>	71840	<i>Neptunea middendorffii</i>
91065	mushroom sponge	81921	<i>Nearchaster pedicellaris</i>	71860	<i>Neptunea neptunea</i>
74050	mussel unid.	81919	<i>Nearchaster</i> sp.	71802	<i>Neptunea phoenicea</i>
75332	<i>Mya arenaria</i>	81912	<i>Nearchaster variabilis</i>	71820	<i>Neptunea pribiloffensis</i>
75331	<i>Mya baxteri</i>	66613	Nelson argid	71811	<i>Neptunea smirnia</i>
75336	<i>Mya elegans</i>	93500	Nematoda	71800	<i>Neptunea</i> sp.
75335	<i>Mya pseudoarenaria</i>	93500	nematode worm unid.	71887	<i>Neptunea</i> sp. A (McLean and Clark)
75330	<i>Mya</i> sp.	92500	Nemertea	71888	<i>Neptunea</i> sp. B (McLean and Clark)
75333	<i>Mya truncata</i>	92500	nemertean worm unid.	71889	<i>Neptunea</i> sp. C (McLean and Clark)
91042	<i>Mycale adhaerens</i>	74987	<i>Nemocardium centifilum</i>		
91054	<i>Mycale bellabellensis</i>				

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71915	<i>Neptunea</i> sp. D (Clark and McLean)	71541	<i>Nucella canaliculata</i>	72106	<i>Oenopota elegans</i>
71885	<i>Neptunea</i> sp. E (Clark and McLean)	71542	<i>Nucella lamellosa</i>	72103	<i>Oenopota harpa</i>
71004	<i>Neptunea</i> sp. egg	74332	<i>Nucula</i> sp.	72100	<i>Oenopota</i> sp.
71916	<i>Neptunea</i> sp. F (Clark and McLean)	74333	<i>Nucula tenuis</i>	72742	Okhotsk whelk
71917	<i>Neptunea</i> sp. G (Clark and McLean)	74440	<i>Nuculana buccata</i>	72571	<i>Oligoneria conica</i>
71866	<i>Neptunea stilesi</i>	74439	<i>Nuculana fossa</i>	72797	<i>Olivella beatica</i>
71822	<i>Neptunea tabulata</i>	74436	<i>Nuculana pernula</i>	79260	<i>Ommastrephes bartrami</i>
71882	<i>Neptunea ventricosa</i>	74435	<i>Nuculana</i> sp.	79259	Ommastrephidae
71801	<i>Neptunea ventricosa</i> egg	74437	<i>Nuculana taphria</i>	71588	<i>Onchidiopsis brevipes</i>
71880	<i>Neptunea vermii</i>	71008	nudibranch egg	71597	<i>Onchidiopsis carnea</i>
54000	Nereididae	71010	nudibranch unid.	71585	<i>Onchidiopsis glacialis</i>
54010	<i>Nereis</i> sp.	71010	Nudibranchia	71598	<i>Onchidiopsis maculata</i>
72395	<i>Nipponotrophon scitulus</i>	74982	Nuttall cockle	71590	<i>Onchidiopsis</i> sp.
72436	<i>Nipponotrophon</i> sp. A (Clark and McLean)	69920	<i>Nymphon</i> sp.	71587	<i>Onchidiopsis</i> sp. A (Clark and McLean)
72407	<i>Nipponotrophon stuarti</i>	72181	<i>Obesotoma simplex</i>	71589	<i>Onchidiopsis</i> sp. B (Clark and McLean)
73186	noble Admete	72182	<i>Obesotoma tenuilirata</i>	71031	onchidoridid nudibranchs
44088	nodal bamboo coral unid.	72802	oblique lamellaria	71031	Onchidorididae
72403	<i>Nodulotrophon coronatus</i>	75287	oblique smoothcockle	71011	<i>Onchidoris bilamellata</i>
95041	noodle bryozoan	71730	oblique whelk	72776	one-ribbed whelk
78210	North Pacific bigeye octopus	81355	obscure sea star	79310	Onychoteuthidae
81835	North Pacific sea star	72541	obscure solarelle	79311	<i>Onychoteuthis banksii</i>
73183	northern Admete	66030	ocean shrimp	79312	<i>Onychoteuthis borealijaponicus</i>
74658	northern carditid	43050	<i>Oceanactis diomedea</i>	83348	<i>Ophiacantha bidentata</i>
66306	northern coastal shrimp	43051	<i>Oceanactis</i> sp.	83344	<i>Ophiacantha diplasia</i>
74060	northern horsemussel	81072	ocher sun star	83343	<i>Ophiacantha enneactis</i>
66061	northern longbeak	85013	<i>Ocnus glacialis</i>	83342	<i>Ophiacantha</i> sp.
74436	northern nutclam	85012	<i>Ocnus</i> sp.	83347	<i>Ophiacantha</i> sp. A
81870	northern sea star	41099	Octocorallia	83346	<i>Ophiacantha</i> sp. cf. <i>rhachophora</i>
66536	northern spinyhead	78010	Octopodidae	83411	<i>Ophiolebes</i> sp.
81061	northern sun sea star	79504	<i>Octopoteuthis deletron</i>	83416	<i>Ophiolebes</i> sp. A (Clark 2006)
70150	northern white chiton	78210	<i>Octopus californicus</i>	83417	<i>Ophiolebes</i> sp. B (Clark 2006)
74420	northern Yoldia	78404	<i>Octopus rubescens</i>	83418	<i>Ophiolebes</i> sp. C (Clark 2006)
83320	notched brittlestar	78020	<i>Octopus</i> sp.	83419	<i>Ophiolebes</i> sp. D (Clark 2006)
50215	<i>Nothria conchylega</i>	78010	octopus unid.	83420	<i>Ophiolebes</i> sp. E (Clark 2006)
59120	<i>Notostomobdella</i> sp.	80628	<i>Odontaster</i> sp.	83421	<i>Ophiolebes</i> sp. F (Clark 2006)
59111	<i>Notostomum cyclostomum</i>	80629	<i>Odontaster</i> sp. B (Clark)	83407	<i>Ophiomusium jolliensis</i>
59110	<i>Notostomum</i> sp.	80554	<i>Odontohenricia ahearnae</i>	83480	<i>Ophiomusium lymani</i>
66815	<i>Notostomus japonicus</i>	80550	<i>Odontohenricia fisheri</i>	83409	<i>Ophiomusium</i> sp.
66814	<i>Notostomus</i> sp.	80551	<i>Odontohenricia</i> sp.	83400	<i>Ophiopholis aculeata</i>
60118	<i>Nototropis</i> sp.	80552	<i>Odontohenricia</i> sp. A (Clark)	83391	<i>Ophiopholis japonica</i>
		80553	<i>Odontohenricia</i> sp. B (Clark)	83392	<i>Ophiopholis kenneyleyi</i>
		80555	<i>Odontohenricia</i> sp. D (Clark)	83390	<i>Ophiopholis longispina</i>
		80556	<i>Odontohenricia</i> sp. E (Clark 2006)		

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83360	<i>Ophiopholis</i> sp.	68510	<i>Oregonia gracilis</i>	69075	<i>Pagurus samuelis</i>
83345	<i>Ophiophthalmus cataleimmoidus</i>	68501	<i>Oregonia</i> sp.	69097	<i>Pagurus setosus</i>
83341	<i>Ophiophthalmus normani</i>	80106	<i>Orthasterias koehleri</i>	69035	<i>Pagurus</i> sp.
83403	<i>Ophioscolex corynetes</i>	80105	<i>Orthasterias</i> sp.	69096	<i>Pagurus stevensae</i>
83402	<i>Ophioscolex</i> sp.	91210	<i>Oscarella lobularis</i>	69100	<i>Pagurus tanneri</i>
83413	<i>Ophiosemmotes brevispina</i>	72551	<i>Otukaia kiheizeibisu</i>	69050	<i>Pagurus townsendi</i>
83412	<i>Ophiosemmotes pachybaetra</i>	66168	oval blade shrimp	69086	<i>Pagurus trigonocheirus</i>
83415	<i>Ophiosemmotes paucispina</i>	82673	oval heart urchin	69098	<i>Pagurus undosus</i>
83414	<i>Ophiosemmotes tylota</i>	74417	oval Yoldia	91112	pale mammilated sponge
83408	<i>Ophiosphalma</i> sp. cf. <i>jolliensis</i>	50100	Oweniidae	71580	pale moonsnail
83405	<i>Ophiothrix</i> sp.	91065	<i>Pachastrellidae</i> sp. 1	44095	pale Plumarella
83406	<i>Ophiothrix spiculata</i>	66840	Pacific ambereye	80634	pale spiny star
83311	<i>Ophiura cryptolepis</i>	71023	Pacific batwing seaslug	44077	pale-edged hydrocoral
83319	<i>Ophiura luetkenii</i>	71090	Pacific Colga	81365	pancake star
83313	<i>Ophiura maculata</i>	75102	Pacific gaper	66019	pandalid shrimp unid.
83312	<i>Ophiura quadrispina</i>	74301	Pacific geoduck	66019	Pandalidae
83320	<i>Ophiura sarsii</i>	66770	Pacific glass shrimp	66060	<i>Pandalopsis aleutica</i>
83310	<i>Ophiura</i> sp.	75030	Pacific littleneck	66130	<i>Pandalopsis ampla</i>
83010	Ophiuridae	68578	Pacific lyre crab	66120	<i>Pandalopsis dispar</i>
83000	Ophiuroidea	75266	Pacific razor	66061	<i>Pandalopsis longirostris</i>
71009	Opisthobranchia	69122	Pacific red hermit	66059	<i>Pandalopsis</i> sp.
78030	<i>Opisthoteuthis californiana</i>	71230	Pacific sea lemon	66062	<i>Pandalopsis</i> sp. cf. <i>lamelligera</i>
78301	<i>Opisthoteuthis</i> sp. cf. <i>californiana</i> (Jorgensen)	66005	Pacific sergestid	66025	<i>Pandalus danae</i>
66810	oplophorid shrimps	98213	paddle ascidian	66031	<i>Pandalus eous</i>
66810	Oplophoridae	85310	<i>Paelopatides confundens</i>	66045	<i>Pandalus goniurus</i>
64000	opossum shrimps	69010	Paguridae	66050	<i>Pandalus hypsinotus</i>
43115	orange actinistolid	69013	<i>Paguristes turgidus</i>	66030	<i>Pandalus jordani</i>
98311	orange Aplidium	69060	<i>Pagurus aleuticus</i>	66040	<i>Pandalus platyceros</i>
91072	orange ball sponge	69041	<i>Pagurus armatus</i>	66020	<i>Pandalus</i> sp.
80730	orange bat sea star	69087	<i>Pagurus beringanus</i>	66034	<i>Pandalus</i> sp. cf. <i>tridens</i> (CAS)
91083	orange encrusting sponge	69042	<i>Pagurus brandti</i>	66055	<i>Pandalus stenolepis</i>
91082	orange nipple ball sponge	69120	<i>Pagurus capillatus</i>	66033	<i>Pandalus tridens</i>
91075	orange nipple-ball sponge	69071	<i>Pagurus caurinus</i>	75222	<i>Pandora bilirata</i>
91090	orange papillate sponge	69070	<i>Pagurus confragosus</i>	75223	<i>Pandora filosa</i>
92511	orange ribbon worm	69080	<i>Pagurus cornutus</i>	75220	<i>Pandora glacialis</i>
42017	orange sea pen	69082	<i>Pagurus dalli</i>	75221	<i>Pandora wardiana</i>
91076	orange sponge	69072	<i>Pagurus granosimanus</i>	85270	<i>Pannychia moseleyi</i>
43224	orange zooanthid	69073	<i>Pagurus hemphilli</i>	85269	<i>Pannychia</i> sp.
82530	orange-pink sea urchin	69074	<i>Pagurus hirsutiusculus</i>	74323	<i>Panomya ampla</i>
68040	Oregon rock crab	69085	<i>Pagurus kennerlyi</i>	74320	<i>Panomya arctica</i>
72500	Oregon triton	69090	<i>Pagurus ochotensis</i>	74322	<i>Panomya norvegica</i>
68502	<i>Oregonia bifurca</i>	69094	<i>Pagurus quaylei</i>	74321	<i>Panomya</i> sp.
		69095	<i>Pagurus rathbuni</i>	74301	<i>Panopea generosa</i>

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71798	paper whelk	91018	peach sponge	44096	pinnate Plumarella
85175	<i>Paracaudina chilensis</i>	66865	peaked shrimp	68072	<i>Pinnixa occidentalis</i>
66615	<i>Paracrangon echinata</i>	94000	peanut worm unid.	80311	<i>Pisaster brevispinus</i>
66618	<i>Paracrangon</i> sp.	58000	<i>Pectinaria</i> sp.	80312	<i>Pisaster ochraceus</i>
41582	<i>Paragorgia arborea</i>	74100	Pectinidae	80310	<i>Pisaster</i> sp.
41587	<i>Paragorgia nodosa</i>	80230	<i>Pedicellaster magister</i>	91100	pita sponge
41583	<i>Paragorgia pacifica</i>	80220	<i>Pedicellaster</i> sp.	69336	<i>Placetron wosnessenskii</i>
41580	<i>Paragorgia</i> sp.	65101	pelagic gooseneck barnacle	70122	<i>Placiphorella pacifica</i>
41581	Paragorgiidae	78011	pelagic octopus unid.	70123	<i>Placiphorella rufa</i>
69320	<i>Paralithodes brevipes</i>	98079	<i>Pelonaia corrugata</i>	70119	<i>Placiphorella</i> sp.
69325	<i>Paralithodes californiensis</i>	71235	<i>Peltodoris lentiginosa</i>	91217	<i>Plakina atka</i>
69322	<i>Paralithodes camtschaticus</i>	71230	<i>Peltodoris nobilis</i>	91215	<i>Plakina tanaga</i>
69323	<i>Paralithodes platypus</i>	66140	penaeid shrimp unid.	92000	Platyhelminthes
69326	<i>Paralithodes rathbuni</i>	66140	Penaeidae	71292	<i>Pleurobrachia bachei</i>
69321	<i>Paralithodes</i> sp.	42000	Pennatulacea	71291	<i>Pleurobranchaea californica</i>
69334	<i>Paralomis manningi</i>	42018	pennatulid sea pens	71290	pleurobranchid sea slugs
69335	<i>Paralomis multispina</i>	42018	Pennatulidae	71290	Pleurobranchidae
69330	<i>Paralomis</i> sp.	85169	<i>Pentamera lissoplaca</i>	41584	plexaurid corals
69332	<i>Paralomis</i> sp. A (Clark 2006)	85170	<i>Pentamera</i> sp.	41584	Plexauridae
69333	<i>Paralomis</i> sp. B (Clark 2006)	85171	<i>Pentamera</i> sp. A (Clark 2006)	71893	<i>Plicifusus brunneus</i>
69331	<i>Paralomis verrilli</i>	81295	<i>Peribolaster biserialis</i>	71892	<i>Plicifusus incisus</i>
60116	<i>Paramphithoe polyacantha</i>	40503	<i>Periphylla periphylla</i>	71902	<i>Plicifusus johanseni</i>
60117	<i>Paramphithoe</i> sp.	40502	<i>Periphylla</i> sp.	71891	<i>Plicifusus kroyeri</i>
41550	<i>Parantipathes</i> sp.	40505	<i>Phacellophora camtschatica</i>	71890	<i>Plicifusus</i> sp.
69200	<i>Parapagurus pliosimanus</i>	40509	<i>Phacellophora</i> sp.	71899	<i>Plicifusus</i> sp. A (Clark and McLean)
69199	<i>Parapagurus</i> sp.	91038	<i>Phakellia</i> sp.	71894	<i>Plicifusus verkruzeni</i>
66761	<i>Parapasiphae sulcatifrons</i>	94011	Phascolosomatidae	44101	<i>Plumarella aleutiana</i>
43004	<i>Paraphelliactis pabista</i>	95015	<i>Phidolopora pacifica</i>	44102	<i>Plumarella echinata</i>
41605	<i>Parastenella</i> sp. A (Clark 2006)	91101	<i>Phorbas paucistylifer</i>	44103	<i>Plumarella hapala</i>
85015	<i>Parastichopus</i> sp.	91115	<i>Phorbas</i> sp.	44097	<i>Plumarella nuttingi</i>
50013	parchment tubeworms	94900	Phoronida	44111	<i>Plumarella robusta</i>
82740	parma sand dollar	94900	phoronida tube worm unid.	44083	<i>Plumarella</i> sp.
66166	parrot shrimp	55900	Phyllodocidae	44086	<i>Plumarella</i> sp. 1 (Bayer)
74564	partly-sculptured Crenella	69318	<i>Phyllolithodes papillosus</i>	44095	<i>Plumarella</i> sp. A
74175	<i>Parvamussium alaskense</i>	69319	<i>Phyllolithodes</i> sp.	44096	<i>Plumarella</i> sp. B
74174	<i>Parvamussium</i> sp.	62015	pill bug isopod	44104	<i>Plumarella</i> sp. D
66770	<i>Pasiphaea pacifica</i>	69556	pinchbug	44075	<i>Plumarella superba</i>
66772	<i>Pasiphaea tarda</i>	81360	pincushion sea star	40009	plumulariid hydroids
66750	pasiphaeid shrimp unid.	98073	pineapple tunicate	40009	Plumulariidae
66750	Pasiphaeidae	43201	pink hormathiid anemone	75601	<i>Pododesmus cepio</i>
74120	<i>Patinopecten caurinus</i>	41104	pink orange mushroom coral	75600	<i>Pododesmus macrochisma</i>
68072	pea crab	81094	pink rose star	75605	<i>Pododesmus</i> sp.
98214	peach ascidian	50021	pink sponge worm	75248	pointed Macoma

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74642	polar Astarte	44108	<i>Primnoa</i> sp. 1 (Clark 2006)	81313	<i>Pteraster</i> sp. A (Clark 1999)
72755	polar whelk	41522	<i>Primnoa willeyi</i>	81314	<i>Pteraster</i> sp. B (Clark 1997)
50000	Polychaeta	44107	<i>Primnoa wingi</i>	81311	<i>Pteraster</i> sp. cf. <i>temnochiton</i> (Clark 1999)
99998	<i>Polychaete</i> tubes	41519	primnoid coral unid.	81318	<i>Pteraster</i> sp. D (Clark)
50000	polychaete worm unid.	41519	Primnoidae	81319	<i>Pteraster</i> sp. E (Clark)
69559	<i>Polycheles</i> sp.	91113	prolific nipple sponge	81323	<i>Pteraster</i> sp. F (Clark)
98110	polycitorid tunicates	72105	<i>Propebela fidicula</i>	81312	<i>Pteraster temnochiton</i>
98110	Polycitoridae	72104	<i>Propebela nobilis</i>	81315	<i>Pteraster tessellatus</i>
92021	polyclad flatworm unid.	74438	<i>Propeleda conceptionis</i>	81340	<i>Pteraster tessellatus arcuatus</i>
92021	Polycladida	42007	<i>Protoptilum</i> sp.	81345	<i>Pteraster trigonodon</i>
98340	<i>Polyclinum planum</i>	75031	<i>Protothaca</i> sp.	81317	<i>Pteraster willsi</i>
91110	<i>Polymastia fluegeli</i>	41572	<i>Psammogorgia simplex</i>	82751	<i>Ptilocrinus pinnatus</i>
91078	<i>Polymastia pachymastia</i>	82772	<i>Psathyrometra fragilis</i>	42017	<i>Ptilosarcus gurneyi</i>
91075	<i>Polymastia pacifica</i>	82773	<i>Psathyrometra profundorum</i>	42016	<i>Ptilosarcus</i> sp.
91111	<i>Polymastia robusta</i>	80620	<i>Pseudarchaster alascensis</i>	43008	<i>Ptychodactis patula</i>
91074	<i>Polymastia</i> sp.	80625	<i>Pseudarchaster dissonus</i>	99987	puffball sponges
91113	<i>Polymastia</i> sp. A (Clark 2006)	80660	<i>Pseudarchaster parelii</i>	69531	<i>Pugettia gracilis</i>
91082	<i>Polymastia</i> sp. B (Clark 2006)	80624	<i>Pseudarchaster pussillus</i>	69532	<i>Pugettia producta</i>
91114	<i>Polymastia</i> sp. C (Clark 2006)	80610	<i>Pseudarchaster</i> sp.	69530	<i>Pugettia</i> sp.
56300	Polynoidae	71912	<i>Pseudoliomesus canaliculatus</i>	66164	punctate blade shrimp
40508	<i>Polyorchis</i> sp.	71911	<i>Pseudoliomesus ooides</i>	71349	puncturella
70100	Polyplacophora	85070	<i>Pseudostichopus mollis</i>	71352	<i>Puncturella cooperi</i>
80525	<i>Poraniopsis flexilius</i>	85060	<i>Pseudostichopus</i> sp.	71353	<i>Puncturella galeata</i>
80520	<i>Poraniopsis inflata</i>	91018	<i>Pseudosuberites montiniger</i>	71358	<i>Puncturella longifissa</i>
50205	porcupine worm	81880	<i>Psilaster pectinatus</i>	71354	<i>Puncturella multistriata</i>
95050	<i>Porella compressa</i>	85209	Psolidae	71351	<i>Puncturella rothi</i>
95051	<i>Porella</i> sp.	85224	<i>Psolidium bullatum</i>	50221	pupa utility worm
91000	Porifera	85212	<i>Psolus chitonoides</i>	69121	purple hermit
91997	Porifera ball	85219	<i>Psolus fabricii</i>	71520	purple moon snail
91996	Porifera encrusting	85222	<i>Psolus japonicus</i>	82525	purple sea urchin
91995	Porifera erect	85221	<i>Psolus peroni</i>	80312	purple star
91998	Porifera tubular	85211	<i>Psolus phantapus</i>	43006	purple striated sea anemone
74421	<i>Portlandia</i> sp.	85210	<i>Psolus</i> sp.	98321	purple-gray ascidian
93100	priapulid worm unid.	85213	<i>Psolus</i> sp. A (Clark 2006)	81742	purple-orange sea star
93100	Priapulida	85220	<i>Psolus squamatus</i>	40015	pussywillow hydroid
93102	<i>Priapulul caudatus</i>	81350	<i>Pteraster coscinopeplus</i>	69900	Pycnogonida
93101	<i>Priapulul</i> sp.	81316	<i>Pteraster jordani</i>	69930	<i>Pycnogonum</i> sp.
71820	Pribilof whelk	81321	<i>Pteraster marssipus</i>	80160	<i>Pycnopodia helianthoides</i>
69098	Priblof hermit	81320	<i>Pteraster militaris</i>	78454	pygmy benthoctopus
91257	prickly pear sponge	81355	<i>Pteraster obscurus</i>	98071	<i>Pyrosoma atlanticum</i>
41521	<i>Primnoa pacifica</i>	81322	<i>Pteraster octaster</i>	71753	<i>Pyrulofusus deformis</i>
41523	<i>Primnoa resedaeformis</i>	81356	<i>Pteraster pulvillus</i>	71754	<i>Pyrulofusus deformis</i> egg
41520	<i>Primnoa</i> sp.	81310	<i>Pteraster</i> sp.		

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71749	<i>Pyrulofusus dexius</i>	72767	<i>Retifusus</i> sp.	66605	<i>Sabinea septemcarinata</i>
71755	<i>Pyrulofusus harpa</i>	82757	<i>Retiometra alascana</i>	66602	saddleback shrimp
71761	<i>Pyrulofusus melonis</i>	91037	<i>Rhabdocalyptus mirabilis</i>	62020	<i>Saduria entomon</i>
71747	<i>Pyrulofusus</i> sp.	91053	<i>Rhabdocalyptus</i> sp.	82035	<i>Sagenaster evermanni</i>
71752	<i>Pyrulofusus</i> sp. eggs	77012	<i>Rhabdus dalli</i>	74177	salmon glass-scallop
98207	<i>Pyura haustor</i>	60112	<i>Rhachotropis aculeata</i>	75203	salmon tellin
98208	<i>Pyura</i> sp.	60111	<i>Rhachotropis</i> sp.	98070	salp unid.
66875	Quale spinytail	95070	<i>Rhamphostomella costata</i>	74490	<i>Samacar</i> sp.
60131	<i>Quasimelita formosa</i>	69317	rhinoceros crab	82730	sand dollar unid.
72380	rams-horn hairysnail	69317	<i>Rhinolithodes wosnessenskii</i>	80810	sand sea star
66161	Rathbun blade shrimp	79001	rhomboid squid	98303	sand-grain imbedded ascidian
80120	<i>Rathbunaster californicus</i>	66602	<i>Rhynocrangon alata</i>	79405	sandpaper squid
85175	rattail sea cucumber	66604	<i>Rhynocrangon sharpi</i>	75410	sandy Lyonsia
72025	<i>Rectiplanes</i> sp.	66606	<i>Rhynocrangon</i> sp.	85070	sandy sea cucumber
72026	<i>Rectiplanes</i> sp. A (Clark and McLean)	95070	ribbed bryozoan	80542	sanguine sea star
54030	red and white banded sea nymph	72409	ribbed trophon	78454	<i>Sasakiopus salebrosus</i>
41331	red anthomastus	60109	riddick amphipod	75021	<i>Saxidomus gigantea</i>
80729	red bat star	66009	ridgeback rock shrimp	75020	<i>Saxidomus nuttalli</i>
69280	red box crab	80543	ridged blood star	72394	<i>Scabrotrophon clarki</i>
91217	red convoluted sponge	66530	ridged Crangon	72397	<i>Scabrotrophon densicostatus</i>
71111	red flabellina	75420	ringed lucine	72408	<i>Scabrotrophon kamchatkanus</i>
79260	red flying squid	79302	robust clubhook squid	72393	<i>Scabrotrophon maltzani</i>
69322	red king crab	62025	<i>Rocinela angustata</i>	72396	<i>Scabrotrophon rossicus</i>
91041	red mycale	75606	rock scallops unid.	72398	<i>Scabrotrophon scarlatoi</i>
64012	red mysid	72762	Roger buccinid	72399	<i>Scabrotrophon</i> sp.
91114	red nipple sponge	74644	Rolland Tridonta	72386	<i>Scabrotrophon</i> sp. A (Clark and McLean)
92512	red ribbon worm	81095	rose sea star	72387	<i>Scabrotrophon</i> sp. B (Clark and McLean)
68050	red rock crab	79020	<i>Rossia pacifica</i>	72388	<i>Scabrotrophon</i> sp. C (Clark and McLean)
82520	red sea urchin	79021	<i>Rossia pacifica</i> eggs	72389	<i>Scabrotrophon</i> sp. D (Clark and McLean)
43007	red striated sea anemone	71030	rosy Tritonia	72390	<i>Scabrotrophon</i> sp. E (Clark and McLean)
41522	red tree coral	71724	rosy whelk	56300	scale worm unid.
57411	red trumpet calcareous tubeworm	72404	rotund trophon	69336	scaled crab
50301	red-banded commensal scale worm	71787	rotund whelk	91060	scallop sponge
60113	red-spotted amphipod	66612	rough argid	74100	scallop unid.
80106	redbanded sea star	58505	rough brada	65210	<i>Scalpellum cornutum</i>
74106	reddish scallop	91220	rough bread crumb sponge	65209	<i>Scalpellum</i> sp.
91725	<i>Regadrella okinoseana</i>	91089	rough hat sponge	77000	scaphopod unid.
71757	regular whelk	43002	rough purple sea anemone	77000	Scaphopoda
43001	reticulate anemone	66055	roughpatch shrimp	91057	scapula sponge
71635	reticulated turretsnail	42005	roughstem seawhip	69300	scarlet king crab
71724	<i>Retifusus roseus</i>	71537	rusty moonsnail		
		57000	sabellid unid.		
		57000	Sabellidae		

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80660	scarlet sea star	57411	<i>Serpula columbiana</i>	57001	slime worm
71356	<i>Scelidotoma bella</i>	57412	<i>Serpula</i> sp.	91096	slimy antler sponge
44000	Scleractinia	57410	<i>Serpula vermicularis</i>	58507	slimy brada
66601	<i>Sclerocrangon boreas</i>	57409	serpulid worm	91094	slimy kelp sponge
66600	<i>Sclerocrangon</i> sp.	57409	Serpulidae	71640	slipper shell
85411	<i>Scotoplanes</i> sp.	75285	<i>Serripes groenlandicus</i>	71639	slippersnails
85410	<i>Scotoplanes theeli</i>	75286	<i>Serripes laperousii</i>	66206	slope lebbeid
72754	scratched whelk	75287	<i>Serripes notabilis</i>	58506	smooth brada
66601	sculptured shrimp	75284	<i>Serripes</i> sp.	66546	smooth Crangon
40500	Scyphozoa	40050	<i>Sertularia robusta</i>	91227	smooth green sponge
69540	<i>Scyra acutifrons</i>	40049	Sertulariid hydroid	72805	smooth lamellaria
43000	sea anemone unid.	40049	Sertulariidae	60107	smooth northern amphipod
98320	sea blob	69097	setose hermit	74333	smooth nutclam
99904	sea clod	66548	sevenspine bay shrimp	73185	smooth nutmeg shell
62025	sea cockroach	71723	shady whelk	91042	smooth scallop sponge
85000	sea cucumber unid.	66512	shell shrimp	78012	smoothskin octopus
85201	sea football	75381	shipworm unid.	42001	smoothstem seawhip
98310	sea glob	69333	short spine spider crab	71001	snail egg
71292	sea gooseberry	83413	short spined brittle star	71500	snail unid.
99902	sea grape	80598	short-spined Henricia	97115	snakeshead brachiopod
50160	sea mouse unid.	66193	shortscale eualid	68580	snow crab
40515	sea nettle	71763	shouldered whelk	91046	soccer ball sponge
98105	sea onion	71731	shrew whelk	91062	soft brown sponge
98205	sea peach	66000	shrimp unid.	41100	soft coral unid.
98200	sea peach unid.	66009	<i>Sicyonia ingentis</i>	69316	soft crab
98003	sea pickle	43115	<i>Sicyonis</i> sp. A (Clark 2006)	91088	soft finger sponge
98082	sea potato	66120	sidestripe shrimp	75332	softshell
41201	sea raspberry	75267	<i>Siliqua alta</i>	74552	<i>Solamen columbianum</i>
69900	sea spider unid.	75266	<i>Siliqua patula</i>	72542	<i>Solariella micraulax</i>
80000	sea star unid.	75264	<i>Siliqua</i> sp.	72544	<i>Solariella nuda</i>
82500	sea urchin unid.	72538	silvery margarite	72541	<i>Solariella obscura</i>
42000	sea whip or sea pen unid.	72512	silvery topsnail	72545	<i>Solariella peramabilis</i>
71050	sea-clown Triopha	71762	simple whelk	72540	<i>Solariella</i> sp.
71896	seahorse whelk	72751	sinuous whelk	72546	<i>Solariella</i> sp. A (Clark and McLean)
72761	<i>Searlesia dira</i>	94000	Sipuncula	72543	<i>Solariella varicosa</i>
75125	<i>Semele rubropicta</i>	60145	skeleton shrimps	81073	<i>Solaster arcticus</i>
65208	<i>Semibalanus cariosus</i>	66195	slender bladed shrimp	81064	<i>Solaster dawsoni</i>
91059	<i>Semisuberites cribrosa</i>	66305	slender coastal shrimp	81061	<i>Solaster endeca</i>
66004	<i>Sergestes</i> sp.	80561	slender pale Henricia	81066	<i>Solaster exiguus</i>
66003	sergestid shrimp unid.	42004	slender seawhips	81063	<i>Solaster hexactis</i>
66003	Sergestidae	91211	slender stalked sponge	81062	<i>Solaster hypothrissus</i>
83070	serpent sea star	44011	slender trumpet coral	81080	<i>Solaster paxillatus</i>
81069	serpent sun star	66302	slenderbeak coastal shrimp	81060	<i>Solaster</i> sp.

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81067	<i>Solaster</i> sp. A (Clark 1997)	66166	<i>Spirontocaris spinus</i>	66509	stout Crangon
81069	<i>Solaster</i> sp. D (Clark)	69061	splendid hermit	74653	stout Cyclocardia
81070	<i>Solaster</i> sp. E (Clark)	66614	split-eye argid	74440	stout nutclam
81071	<i>Solaster</i> sp. F (Clark)	68502	split-nose decorator crab	59111	striped sea leech
81072	<i>Solaster</i> sp. G (Clark)	66176	sponge eualid	81065	striped sun sea star
81068	<i>Solaster spectabilis</i>	69042	sponge hermit	66130	stripeleg pandalid
81065	<i>Solaster stimpsoni</i>	91000	sponge unid.	82510	<i>Strongylocentrotus droebachiensis</i>
81074	solasterid sea star unid.	66040	spot shrimp	82515	<i>Strongylocentrotus echinoides</i>
81074	Solasteridae	43043	spotted red anemone	82520	<i>Strongylocentrotus franciscanus</i>
74326	<i>Solemya reidi</i>	91066	spud sponge	82526	<i>Strongylocentrotus pallidus</i>
74325	<i>Solemya</i> sp.	79002	squid egg unid.	82522	<i>Strongylocentrotus polyacanthus</i>
70050	solenogaster unidentified	78005	squid or octopus egg unid.	82525	<i>Strongylocentrotus purpuratus</i>
82680	<i>Spatangus californicus</i>	79000	squid unid.	82511	<i>Strongylocentrotus</i> sp.
60105	speckled amphipod	91071	staghorn sponge	82527	<i>Strongylocentrotus</i> sp. A
68515	spider crab	91210	stalked ball sponge	82528	<i>Strongylocentrotus</i> sp. B
68500	spider crabs unid.	91701	<i>Staurocalyptus</i> sp.	71022	stubby frond-aeolis
66604	spiked shrimp	40519	<i>Staurostoma mertensii</i>	98082	<i>Styela rustica</i>
62004	spiky arcturid	77102	Stearns toothshell	98080	<i>Styela</i> sp.
99983	spiky ball sponge	60114	<i>Stegocephalus ampulla</i>	98083	<i>Styela</i> sp. A (Clark 2006)
50020	<i>Spinther alaskensis</i>	60107	<i>Stegocephalus inflatus</i>	98084	<i>Styela</i> sp. B (Clark 2006)
50021	<i>Spinther</i> sp. A (Clark 2006)	60108	<i>Stegocephalus</i> sp.	44050	<i>Stylanthea petrograpta</i>
62002	spiny arcturid	83336	<i>Stegophiura nodosa</i>	58504	<i>Stylaroides plumosa</i>
99985	spiny ball sponge	83340	<i>Stegophiura ponderosa</i>	44045	<i>Stylaster alaskanus</i>
80549	spiny Henricia	91105	<i>Stelletta</i> sp.	44032	<i>Stylaster brochi</i>
66203	spiny lebbeid	91237	<i>Stelodoryx alaskensis</i>	44037	<i>Stylaster campylecus</i>
44104	spiny Plumarella	91057	<i>Stelodoryx oxeata</i>	44033	<i>Stylaster cancellatus</i>
80650	spiny red sea star	44052	<i>Stenohelia</i> sp.	44122	<i>Stylaster crassiseptum</i>
74107	spiny scallop	70150	<i>Stenosemus albus</i>	44034	<i>Stylaster elassotomus</i>
69332	spiny spider crab	70151	<i>Stenosemus sharpii</i>	44039	<i>Stylaster moseleyana</i>
72395	spiny trophon	80250	<i>Stephanasterias albula</i>	44049	<i>Stylaster parageus</i>
91052	spiny vase sponge	69560	<i>Stereomastis sculpta</i>	44035	<i>Stylaster polyorchis</i>
66815	spinyridge shrimp	58501	<i>Sternaspis</i> sp.	44048	<i>Stylaster repandus</i>
66161	<i>Spirontocaris arcuata</i>	69096	Stevens hermit crab	44030	<i>Stylaster</i> sp.
66195	<i>Spirontocaris holmesi</i>	79513	<i>Stigmatoteuthis dofleini</i>	44053	<i>Stylaster</i> sp. B (Clark 2006)
66169	<i>Spirontocaris intermedia</i>	66304	stiletto coastal shrimp	44046	<i>Stylaster stejnegeri</i>
66163	<i>Spirontocaris lamellicornis</i>	91019	stinky sponge	44051	<i>Stylaster trachystomus</i>
66159	<i>Spirontocaris murdochi</i>	91269	stipitata	44047	<i>Stylaster venustus</i>
66168	<i>Spirontocaris ochotensis</i>	43032	<i>Stomphia coccinea</i>	44031	<i>Stylaster verrilli</i>
66164	<i>Spirontocaris phippisii</i>	43029	<i>Stomphia didemon</i>	80170	<i>Stylasterias forreri</i>
66162	<i>Spirontocaris prionota</i>	43030	<i>Stomphia</i> sp.	80171	<i>Stylasterias</i> sp.
66165	<i>Spirontocaris snyderi</i>	69250	stone crab unid.	44028	stylasterid corals
66160	<i>Spirontocaris</i> sp.	91105	stone sponge	44028	Stylasteridae
66167	<i>Spirontocaris</i> sp. cf. <i>lamellicornis</i>	44000	stony coral unid.	44029	Stylasterina

CODE	NAME	CODE	NAME	CODE	NAME
42002	<i>Stylatula elongata</i>	79440	Taoniinae	44087	<i>Thouarella</i> sp.
42005	<i>Stylatula gracile</i>	79442	<i>Taonius pavo</i>	44071	<i>Thouarella</i> sp. 1 (Bayer et al.)
42004	<i>Stylatula</i> sp.	80190	<i>Tarsaster alaskanus</i>	44072	<i>Thouarella</i> sp. 2 (Bayer et al.)
91211	<i>Stylocordyla borealis</i>	91220	<i>Tedania dirhaphis</i>	44073	<i>Thouarella</i> sp. 3 (Bayer et al.)
91212	<i>Stylocordyla eous</i>	91067	<i>Tedania kagalaskai</i>	44074	<i>Thouarella</i> sp. 4 (Bayer et al.)
91213	<i>Stylocordyla</i> sp.	91221	<i>Tedania</i> sp.	44070	<i>Thouarella trilineata</i>
72030	<i>Suavadrillia kennicotti</i>	95032	<i>Tegella magnipora</i>	75340	<i>Thracia trapezoides</i>
91020	<i>Suberites domuncula</i>	72515	<i>Tegula pulligo</i>	75223	threaded Pandora
91016	<i>Suberites ficus</i>	75206	<i>Tellina bodegensis</i>	71759	threaded whelk
91019	<i>Suberites montalbidus</i>	75202	<i>Tellina carpenteri</i>	72536	three ribbed margarite
91015	<i>Suberites</i> sp.	75205	<i>Tellina lutea</i>	72778	three-ribbed chestnut whelk
91017	<i>Suberites</i> sp. A (Clark 2006)	75204	<i>Tellina modesta</i>	72769	three-ribbed whelk
74802	suborbicular kellyclam	75203	<i>Tellina nuculoides</i>	81370	<i>Thrissacanthias penicillatus</i>
41605	sugar coral	75201	<i>Tellina</i> sp.	71406	thumbnails
71901	sulcated whelk	68781	<i>Telmessus cheiragonus</i>	85261	<i>Thyonidium kurilensis</i>
71702	<i>Sulcosinus</i> sp. A (McLean and Clark)	91127	tennis ball sponge	85260	<i>Thyonidium</i> sp.
71901	<i>Sulcosinus taphrius</i>	43090	tentacle-shedding anemone	63501	<i>Thysanoessa</i> sp.
91061	sulfur sponge	91125	<i>Tentorium semisuberites</i>	71012	<i>Tochuina gigantea</i>
80160	sunflower sea star	97110	<i>Terebratalia transversa</i>	70134	<i>Tonicella</i> chitons
85120	sweet sea potato	97100	<i>Terebratulina</i> sp.	70135	<i>Tonicella insignis</i>
80602	Swift sea star	97115	<i>Terebratulina unguicula</i>	70134	<i>Tonicella</i> sp.
41571	<i>Swiftia pacifica</i>	75381	Teredinidae	72380	<i>Torellia ammonia</i>
41570	<i>Swiftia</i> sp.	91069	<i>Tethya</i> sp.	72382	<i>Torellia lineata</i>
43032	swimming anemone	98070	Thaliacea	72381	<i>Torellia</i> sp.
85310	swimming sea cucumber	65208	thatched barnacle	66173	Townsend eualid
72747	swollen whelk	60146	<i>Themisto libellula</i>	69050	Townsend hermit crab
91201	<i>Sycon compactum</i>	60147	<i>Themisto</i> sp.	72785	transect whelk
85290	<i>Synallactes challengerii</i>	98072	<i>Thetys vagina</i>	98002	transparent tunicate
85289	<i>Synallactes</i> sp.	74654	thick carditid	50221	<i>Travisia pupa</i>
85287	<i>Synallactes</i> sp. A (Clark 2006)	72527	thick Lacuna	50220	<i>Travisia</i> sp.
62022	<i>Synidotea bicuspidata</i>	44053	thick lamellar hydrocoral	91040	tree sponge
62021	<i>Synidotea</i> sp.	83412	thick spined brittle star	74439	trenched nutclam
98320	<i>Synoicum</i> sp.	71775	thick-cord whelk	75103	<i>Tresus capax</i>
66875	<i>Systellaspis braueri</i>	71013	thick-horned aeolid	75102	<i>Tresus nuttallii</i>
72537	tabled margarite	71726	thick-ribbed whelk	68570	triangle Tanner crab
71822	tabled whelk	71332	<i>Thielella baxteri</i>	72300	Trichotropidae
71634	<i>Tachyrhynchus erosus</i>	91104	thin-lipped vase sponge	72305	<i>Trichotropis bicarinata</i>
71635	<i>Tachyrhynchus reticulatus</i>	71721	thin-ribbed whelk	72302	<i>Trichotropis borealis</i>
71631	<i>Tachyrhynchus</i> sp.	65100	Thoracica	72306	<i>Trichotropis cancellata</i>
44005	tan trumpet coral	69555	thorny pinch bug	72307	<i>Trichotropis conica</i>
79001	<i>Taningia danae</i>	56313	thorny scaleworm	72303	<i>Trichotropis insignis</i>
68560	Tanner crab	80520	thorny sea star	72308	<i>Trichotropis</i> sp.
68541	Tanner crab unid.	44106	<i>Thouarella cristata</i>	72301	<i>Trichotropis</i> sp. 1 (Clark and McLean)

CODE	NAME	CODE	NAME	CODE	NAME
98321	<i>Trididemnum opacum</i>	99997	unsorted catch and debris	72796	<i>Volutomitra</i> sp. A (Clark and McLean)
98319	<i>Trididemnum</i> sp.	99999	unsorted shab	72788	<i>Volutomitra</i> sp. B (Clark and McLean)
74644	<i>Tridonta rollandi</i>	69655	<i>Upogebia pugettensis</i>	71760	<i>Volutopsius castanea</i>
71050	<i>Triopha catalinae</i>	80030	<i>Urasterias lincki</i>	71756	<i>Volutopsius fragilis</i>
71030	<i>Tritonia diomedea</i>	43044	<i>Urticina columbiana</i>	71758	<i>Volutopsius fragilis</i> egg
71026	<i>Tritonia festiva</i>	43041	<i>Urticina coriacea</i>	71764	<i>Volutopsius middendorffi</i>
71025	<i>Tritonia</i> sp.	43042	<i>Urticina crassicornis</i>	71766	<i>Volutopsius pallidus</i>
72510	trochid unid.	43043	<i>Urticina lofotensis</i>	71757	<i>Volutopsius regularis</i>
72510	Trochidae	43040	<i>Urticina</i> sp.	71762	<i>Volutopsius simplex</i>
69074	true hairy hermit	60121	<i>Uschakoviella echinophora</i>	71750	<i>Volutopsius</i> sp.
91086	trumpet sponge	60120	<i>Uschakoviella</i> sp.	71767	<i>Volutopsius</i> sp. A (McLean and Clark)
75333	truncate softshell	60122	<i>Uschakoviella</i> sp. 1 (Clark 2006)	71768	<i>Volutopsius</i> sp. B (McLean and Clark)
50010	tube worm unid.	74482	vaginated limops	71746	<i>Volutopsius</i> sp. C (Clark and McLean)
92511	<i>Tubulanus polymorphus</i>	78502	vampire squid	71745	<i>Volutopsius</i> sp. D (Clark and McLean)
92510	<i>Tubulanus</i> sp.	78502	<i>Vampyroteuthis infernalis</i>	71751	<i>Volutopsius</i> sp. eggs
92512	<i>Tubulanus</i> sp. A (Clark 2006)	97117	Vancouver lampshell	71763	<i>Volutopsius stefanssoni</i>
95090	tubular bryozoan	74171	Vancouver scallop	71765	<i>Volutopsius trophonius</i>
91998	tubular sponge morphotype	72543	varicose solarelle	91121	<i>Vulcanella</i> sp.
40040	tubulariid hydroids	71548	variegate Amphissa	91120	<i>Vulcanella</i> sp. 1
40040	Tubulariidae	91710	vase sponge	71753	warped whelk
95090	<i>Tubulipora</i> sp.	91005	vase sponge unid.	71754	warped whelk egg
71764	tulip whelk	40060	<i>Veleva veleva</i>	75020	Washington clam
43121	tumbling anemone	72801	<i>Velutina nana</i>	72800	wavy lamellaria
80546	tumid sea star	72802	<i>Velutina plicatilis</i>	75092	wavy Liocyma
98000	tunicate unid.	72804	<i>Velutina prolongata</i>	72745	wavy whelk
72749	turban whelk	72810	<i>Velutina rubra</i>	91017	wax sponge
72058	turrid snails	72806	<i>Velutina</i> sp.	74120	weathervane scallop
72058	Turridae	72807	<i>Velutina</i> sp. A (Clark and McLean)	91112	<i>Weberella bursa</i>
71636	<i>Turritella</i> sp.	72808	<i>Velutina</i> sp. B (Clark and McLean)	71700	whelk unid.
58001	tusk coneworm	72809	<i>Velutina</i> sp. C (Clark and McLean)	73351	white chalice-bubble
91125	two nipple sponge	72800	<i>Velutina undata</i>	91215	white convoluted sponge
71779	two-channeled Beringius	72805	<i>Velutina velutina</i>	80536	white Henricia
72305	two-keel hairsnail	80710	vermilion sea star	71596	white lamellarid
72779	two-ribbed chestnut whelk	69551	Verrill pinch bug	71810	white neptune
72768	two-ribbed whelk	74712	<i>Vesicomys pacifica</i>	71260	white night doris
66515	twospine Crangon	74551	<i>Vilasina seminuda</i>	81093	white rose star
83400	ubiquitous brittle star	42001	<i>Virgularia</i> sp.	74103	white scallop
42014	<i>Umbellula lindahli</i>	42003	Virgulariidae	82526	white sea urchin
42015	<i>Umbellula</i> sp.	71760	volute whelk	40036	white tangled hydroid
69327	umbrella crab	71798	<i>Volutharpa ampullacea</i>		
44048	undulate hydrocoral	72795	<i>Volutomitra alaskana</i>		
44042	undulate-fan hydrocoral	72787	<i>Volutomitra</i> sp.		
72821	unique whelk				

CODE	NAME
75244	white-sand Macoma
40519	whitecross jelly
69082	whiteknee hermit
85220	whitescaled sea cucumber
69110	widehand hermit crab
71586	widemouth lamellaria
72407	winged trophon
50001	worm unid.
71546	wrinkled Amphissa
69312	wrinkled crab
81320	wrinkled star
98207	wrinkled tunicate
68065	Xanthidae
75372	<i>Xylophaga californica</i>
91102	yellow ball sponge
91077	yellow bowl sponge
68012	yellow cancer crab
91080	yellow green papillate sponge
91068	yellow leafy sponge
91081	yellow papillate sponge
41576	yellow sea fan
82751	yellow sea lily
50020	yellow sponge worm
71015	yellow-edged Cadlina
66033	yellowleg pandalid
78021	yellowring octopus
74420	<i>Yoldia hyperborea</i>
74415	<i>Yoldia montereyensis</i>
74417	<i>Yoldia myalis</i>
74416	<i>Yoldia seminuda</i>
74414	<i>Yoldia</i> sp.
74425	<i>Yoldiella</i> sp.
43045	Zoanthidae sp. A
43225	<i>Zoanthus</i> sp.
82060	<i>Zoroaster ophiurus</i>
82030	Zoroasteridae

CODE	NAME	CODE	NAME
00001 - 36999	Pisces (Fish)	20614 - 20669	Bathylagidae
00005 - 00149	Class Agnatha (Jawless Fishes)	20700 - 20749	Bathymasteridae
00006 - 00099	Petromyzontidae	20750 - 20775	Uranoscopidae
00100 - 00149	Myxinidae	20800 - 20839	Batrachoididae
00150 - 39999	Superclass Gnathostomata (Jawed Fishes)	20840 - 20849	Bramidae
00150 - 00799	Class Chondrichthyes	20850 - 20859	Malacanthidae
00150 - 00399	Subclass Elasmobranchii	20870 - 20879	Bathylaconidae
00170 - 00179	Heterodontidae	20900 - 20910	Ophidiidae
00180 - 00199	Alopiidae	20920 - 20930	Bythitidae
00200 - 00219	Scyliorhinidae	20950 - 20959	Carangidae
00220 - 00229	Hexanchidae	20970 - 20979	Melanocetidae
00230 - 00249	Lamnidae	20980 - 20989	Ceratidae
00250 - 00259	Squatinidae	20990 - 20999	Cetomimidae
00300 - 00329	Squalidae	21000 - 21099	Chauliodontidae
00330 - 00359	Carcharhinidae	21100 - 21199	Clupeidae
00400 - 00499	Rajidae	21200 - 21299	Macrouridae
00500 - 00549	Rhinobatidae	21300 - 21449	Cottidae
00550 - 00599	Dasyatidae	21480 - 21499	Serranidae
00600 - 00619	Torpedinidae	21500 - 21540	Embiotocidae
00650 - 00659	Myliobatididae	21590 - 21594	Trichodontidae
00700 - 00799	Chimaeridae	21595 - 21599	Chiasmodontidae
10000 - 39999	Class Osteichthyes	21700 - 21749	Order Gadiformes
10000 - 19999	Order Pleuronectiformes (Flatfish)	21700 - 21725	Gadidae (See Also 21734)
10003 - 10099	Bothidae	21726 - 21733	Moridae
10100 - 10399	Pleuronectidae	21734 - 21749	Gadidae (Cont'd From 21725)
10400 - 10410	Cynoglossidae	21750 - 21759	Gasterosteidae
20000 - 39999	Roundfish	21760 - 21769	Syngnathidae
20000 - 20099	Agonidae	21770 - 21790	Gobiidae
20100 - 20199	Alepocephalidae	21800 - 21819	Gonostomatidae
20200 - 20215	Ammodytidae	21820 - 21828	Sternoptychidae
20300 - 20399	Anarhichadidae	21829 - 21844	Photichthyidae
20400 - 20449	Anoplogasteridae	21845 - 21853	Stomiidae
20450 - 20499	Gobiesocidae	21900 - 21935	Hexagrammidae
20500 - 20539	Anoplopomatidae	21936 - 21937	Zaniolepididae
20540 - 20559	Aulorhynchidae	22010 - 22011	Icosteidae
20570 - 20574	Argentinidae	22110 - 22115	Idiacanthidae
20575 - 20579	Atherinidae	22120 - 22129	Kyphosidae
20600 - 20613	Engraulidae	22130 - 22139	Labridae

CODE	NAME	CODE	NAME
22170 - 22199	Cyclopteridae	23950 - 23959	Anguilliformes
22200 - 22299	Liparidinae	23960 - 23969	Opisthoproctidae
22300 - 22339	Melamphaeidae	24000 - 24002	Zaproridae
22390 - 22399	Oreosomatidae	24100 - 24395	Zoarcidae
22400 - 22449	Melanostomiidae	24400 - 24409	Clinidae
22460 - 22469	Caristiidae	24410 - 24499	Labrisomidae
22500 - 22550	Merluccidae	25100 - 25199	Acipenseridae
22570 - 22575	Anotopteridae	26050 - 26069	Malacosteidae
22580 - 22589	Molidae	27000 - 27019	Tetraodontidae
22590 - 22599	Neoscopelidae	27020 - 27021	Lampridae
22600 - 22699	Myctophidae	27026 - 27027	Regalecidae
22700 - 22709	Nemichthyidae	27028 - 27029	Stylephoridae
22710 - 22715	Cyemidae	27030 - 27040	Triglidae
22720 - 22729	Serrivomeridae	27050 - 27099	Synodontidae
22800 - 22899	Notacanthidae	28000 - 28019	Nettastomatidae
22900 - 22949	Oneirodidae	28020 - 28029	Congridae
22950 - 22959	Paralepidae	28030 - 28039	Ophichthidae
22960 - 22969	Pomacentridae	28500 - 28599	Percichthyidae
23000 - 23099	Osmeridae	28600 - 28699	Haemulidae
23200 - 23399	Salmonidae	30000 - 36999	Rockfish
23400 - 23449	Scianidae	30000 - 31999	Scorpaenidae
23450 - 23459	Sphyracnidae	37000 - 38999	Marine Birds
23500 - 23539	Scombridae	39000 - 39999	Marine Mammals
23540 - 23559	Exocoetidae	40000 - 99990	Invertebrates
23560 - 23569	Scomberesocidae	40001 - 44999	Phylum Cnidaria (Coelenterata)
23600 - 23619	Scopelarchidae	40010 - 40499	Class Hydrozoa
23620 - 23630	Notosudidae (Scopelosauridae)	40500 - 40999	Class Scyphozoa
23650 - 23669	Alepisauridae	40600 - 40699	Order Leptolida
23700 - 23729	Searsiidae	41000 - 44999	Class Anthozoa
23780 - 23789	Ptilichthyidae	41100 - 41499	Order Alcyonacea (Soft Corals)
23790 - 23799	Cryptacanthodidae	41500 - 41999	Order Gorgonacea
23800 - 23870	Stichaeidae	42000 - 42999	Order Pennatulacea (Sea Pens)
23871 - 23890	Pholididae	43000 - 43999	Order Actiniaria (Sea Anemones)
23900 - 23911	Stromateidae	44000 - 44499	Order Madreporaria (Stony Corals)
23914 - 23916	Centrolophidae	44500 - 44749	Order Zoanthidea
23918 - 23921	Tetragonuridae	44750 - 44889	Order Ceriantharia
23930 - 23939	Trachipteridae	44890 - 44999	Order Antipatheria (Black Corals)
23940 - 23949	Trichiuridae	45000 - 49999	Phylum Ctenophora (Comb Jellies)

CODE	NAME	CODE	NAME
50000 - 59999	Phylum Annelida	62000 - 62999	Order Isopoda
50000 - 59099	Class Polychaeta	63000 - 63499	Order Cumacea
50050 - 50090	Ampharetidae	63500 - 63999	Order Euphausiacea
50100 - 50129	Oweniidae	64000 - 64499	Order Mysidacea
50130 - 50159	Amphinomidae	64500 - 64999	Class Copepoda
50160 - 50259	Aphroditidae	65000 - 65499	Class Cirrepedia
50260 - 50359	Arebellidae	66000 - 69999	Order Decapoda
50360 - 50459	Arenicolidae	66000 - 67499	Shrimps
50460 - 50759	Capitellidae	66000 - 66017	Section Penaeidea
50760 - 50999	Chaetopteridae	66001 - 66004	Sergestidae
51000 - 51149	Chrysopetalidae	66005 - 66017	Penaeidae
51150 - 51349	Cirratulidae	66018 - 66999	Section Caridea
51350 - 51699	Dorvilleidae	66019 - 66109	Pandalidae
51700 - 52299	Eunicidae	66150 - 66499	Hippolytidae
52300 - 52699	Flabelligeridae	66500 - 66749	Crangonidae
52700 - 53199	Glyceridae	66750 - 66779	Pasaphaeidae
53200 - 53399	Goniadidae	66800 - 66889	Oplophoridae
53400 - 53499	Lumbrineridae	68000 - 69599	Crabs
53500 - 53699	Maldanidae	68001 - 68789	Infraorder Brachyura (See Also 69400)
53700 - 53999	Nephtyidae	68010 - 68069	Cancridae
54000 - 54599	Nereidae	68070 - 68079	Pinnotheridae
54600 - 54899	Onuphidae	68100 - 68149	Calappidae
54900 - 55399	Opheliidae	68500 - 68599	Majidae (See Also 69520)
55400 - 55699	Orbiniidae	68780 - 68789	Atelecyclidae (See Also 69400)
55700 - 55899	Pectinariidae	69000 - 69399	Infraorder Anomura (See Also 69550)
55900 - 56299	Phyllodocidae	69010 - 69249	Paguridae
56300 - 56799	Polynoidae	69250 - 69399	Lithodidae
56800 - 56999	Sabellaridae	69400 - 69549	Infraorder Brachyura (Cont'd From 68789)
57000 - 57199	Sabellidae	69400 - 69401	Atelecyclidae (Cont'd From 68789)
57200 - 57399	Scalibregmidae	69520 - 69549	Majidae (Cont'd From 68599)
57400 - 57499	Serpulidae	69550 - 69699	Infraorder Anomura (Cont'd From 69399)
57500 - 57699	Sigalionidae	69550 - 69599	Galatheidae
57700 - 57999	Spionidae	69600 - 69649	Axiidae
58000 - 58499	Syllidae	69650 - 69699	Callianassidae
58500 - 58999	Terebellidae	69900 - 69999	Class Pycnogonida
59100 - 59999	Class Hirudinea	70000 - 79999	Phylum Mollusca
60000 - 69999	Phylum Arthropoda	70005 - 70120	Class Polyplacophora (Chitons)
60100 - 61999	Order Amphipoda	70100 - 70120	Order Neoloricata

CODE	NAME	CODE	NAME
70105 - 70109	Acanthochitonidae	72740 - 73199	Order Neogastropoda (Cont'd From 72509)
70115 - 70120	Mopaliidae	72740 - 72789	Buccinidae (Cont'd From 71999)
71000 - 73999	Class Gastropoda	72790 - 72794	Volutidae
71010 - 71499	Order Nudibranchia	72795 - 72799	Volutomitridae
71010 - 71011	Onchidoridae	72800 - 72899	Lamellariidae (Cont'd From 71589)
71012 - 71017	Tritoniidae (See Also 71025)	73020 - 73029	Nassariidae
71018 - 71024	Dendronotidae	73100 - 73110	Columbellidae
71025 - 71030	Tritoniidae (Cont'd From 71017)	73140 - 73149	Olividae
71031 - 71050	Triophidae	73180 - 73189	Cancellariidae
71080 - 71085	Arminidae	73220 - 73229	Order Pyramidelloida
71100 - 71110	Dironidae	73220 - 73229	Pyramidellidae
71151 - 71159	Polyceridae	73300 - 73359	Order Cephalaspidea
71200 - 71204	Coryphellidae	73300 - 73309	Scaphandridae
71205 - 71210	Aeolidiidae	73350 - 73359	Cylichnidae
71230 - 71239	Discodorididae	73500 - 73559	Order Thecosomata
71250 - 71254	Dorididae	74000 - 75799	Class Bivalvia (=Pelecypoda)
71255 - 71269	Archidorididae	74020 - 74049	Order Solemyoidea
71290 - 71299	Order Notaspidea	74020 - 74029	Solemyidae
71290 - 71294	Pleurobranchaeidae	74050 - 74089	Order Mytiloidea (See Also 74550)
71300 - 71499	Order Archaeogastropoda (See Also 72510)	74050 - 74082	Mytilidae (See Also 74550)
71300 - 71305	Haliotidae	74090 - 74179	Order Ostreoida (See Also 75600)
71400 - 71410	Acmaeidae	74090 - 74094	Ostreidae
71500 - 72509	Orders Mega- & Neogastropoda (Snails)	74100 - 74174	Pectinidae
71502 - 71509	Eulimidae	74175 - 74199	Propeamussiidae
71510 - 71539	Naticidae (See Also 71570)	74300 - 74329	Order Myoidea (See Also 75330)
71540 - 71549	Muricidae (See Also 72400)	74300 - 74329	Hiatellidae
71570 - 71584	Naticidae (Cont'd From 71539)	74330 - 74440	Order Nuculoida
71585 - 71589	Lamellariidae (See Also 72800)	74330 - 74345	Nuculidae
71590 - 71599	Epitoniidae	74400 - 74440	Nuculanidae
71630 - 71639	Turritellidae	74470 - 74499	Order Arcoidea
71640 - 71689	Calyptraeidae	74470 - 74479	Glycymerididae
71700 - 71999	Buccinidae (See Also 72740)	74480 - 74489	Limopsidae
72000 - 72189	Turridae	74490 - 74499	Manzanellidae
72300 - 72379	Trichotropidae	74550 - 74569	Order Mytiloidea (Cont'd From 74089)
72400 - 72429	Muricidae (Cont'd From 71549)	74550 - 74569	Mytilidae (Cont'd From 74082)
72500 - 72509	Ranellidae	74630 - 75379	Order Veneroidea
72510 - 72559	Order Archaeogastropoda (Cont'd From 71499)	74635 - 74649	Astartidae
72510 - 72559	Trochidae	74650 - 74669	Carditidae

CODE	NAME	CODE	NAME
74700 - 74709	Vesicomomyidae	79020 - 79029	Sepiolidae
74710 - 74809	Kelliidae	79120 - 79129	Loliginidae
74830 - 74839	Montacutidae	79200 - 79259	Gonatidae
74850 - 74859	Lucinidae	79260 - 79269	Ommastrephidae
74905 - 74925	Thyasiridae	79300 - 79319	Onychoteuthididae
74980 - 74989	Cardiidae (See Also 75280)	79350 - 79359	Enoploteuthidae
75015 - 75099	Veneridae	79400 - 79409	Chiroteuthidae
75100 - 75119	Mactridae	79440 - 79449	Cranchiidae
75200 - 75249	Tellinidae	79500 - 79509	Octopodoteuthidae
75260 - 75269	Solenidae	79510 - 79519	Histioteuthidae
75280 - 75299	Cardiidae (Cont'd From 74989)	80000 - 85999	Phylum Echinodermata
75300 - 75314	Semelidae	80000 - 82499	Class Stelleroidea (See Also 83000)
75330 - 75379	Order Myoida (Cont'd From 74329)	80000 - 82499	Subclass Asteroidea
75330 - 75339	Myidae	80105 - 80499	Asteriidae
75370 - 75379	Pholadidae	80500 - 80599	Echinasteridae
75380 - 75384	Teredinidae	80600 - 80799	Goniasteridae
75385 - 75579	Order Pholadomyoida	80800 - 80899	Luidiidae
75385 - 75389	Pandoridae	80900 - 80999	Poraniidae
75405 - 75419	Lyonsiidae	81000 - 81299	Solasteridae
75420 - 75429	Verticordiidae	81300 - 81699	Pterasteridae
75460 - 75519	Thraciidae	81700 - 81759	Porcellanasteridae
75550 - 75579	Cuspidariidae	81760 - 81809	Goniopectinidae
75600 - 75629	Order Ostreoida (Cont'd From 74179)	81810 - 81899	Astropectinidae
75600 - 75619	Anomiidae	81900 - 81989	Benthopectinidae
77000 - 77299	Class Scaphopoda	81990 - 82029	Brisingidae
77000 - 77020	Order Dentaliida	82030 - 82109	Zoroasteridae
77005 - 77011	Dentaliidae	82110 - 82159	Pythonasteridae
77012 - 77019	Laevidentalidae	82500 - 82749	Class Echinoidea
77100 - 77110	Order Gadilida	82500 - 82729	Order Echinoidea
77100 - 77105	Pulsellidae	82730 - 82749	Order Clypeastroida
78000 - 79599	Class Cephalopoda	82750 - 82999	Class Crinoidea
78001 - 78009	Order Sepioidea	83000 - 84999	Class Stelleroidea (Cont'd From 82499)
78010 - 78499	Order Octopoda	83000 - 84999	Subclass Ophiuroidea
78010 - 78039	Octopodidae (See Also 78400)	83000 - 83259	Order Phrynophiurida
78300 - 78359	Bolitaenidae	83005 - 83059	Gorgonocephalidae
78400 - 78499	Octopodidae (Cont'd From 78039)	83060 - 83109	Asteronychidae
78500 - 78509	Order Vampyromorpha	83190 - 83209	Asteroschematidae
79000 - 79599	Order Teuthoida	83260 - 83359	Order Ophiurida

CODE	NAME
83360 - 83409	Ophiactidae
83460 - 83519	Ophiuridae (See Also 83800)
83540 - 83569	Ophiomyxidae
83600 - 83659	Ophiacanthidae
83660 - 83749	Amphiuridae
83800 - 83819	Ophiuridae (Cont'd From 83519)
85000 - 85999	Class Holothuroidea
90000 - 90999	Phylum Protozoa (Foraminiferans)
91000 - 91999	Phylum Porifera (See Also 99981 - 99988)
92000 - 92499	Phylum Platyhelminthes
92000 - 92099	Class Turbellaria
92020 - 92029	Order Polycladida
92500 - 92999	Phylum Rhynchozoela (Nemertean)
93100 - 93499	Phylum Priapulida
93500 - 93749	Phylum Nematoda
94000 - 94499	Phylum Sipuncula
94500 - 94899	Phylum Echiura
94900 - 94999	Phylum Phoronida
95000 - 95499	Phylum Bryozoa
97000 - 97499	Phylum Brachiopoda
97500 - 97999	Phylum Pogonophora
98000 - 99909	Phylum Chordata
98000 - 99909	Class Ascidiacea
99910 - 99949	Phylum Hemichordata
99950 - 99980	Miscellaneous Categories
99981 - 99988	Phylum Porifera (Cont'd From 91999)
99990 - 99999	Miscellaneous Categories

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GROUND FISH SURVEY CODES**Resource Assessment and Conservation Engineering Division**

The data codes presented in this manual are a current summary of codes listed in the RACE division's central data processing system code file. This version replaces all previous data code lists.

The purpose of these codes is to code descriptive information for use on the race division's haulposition forms, species catch forms, lengthfrequency forms, specimen forms, predatorprey forms, tag release and recovery forms, and specimen special study forms. The source of these code listings is now in RACE_DATA database maintained at the Alaska Fisheries Science Center, Seattle. New assignments of data codes must be considered provisional until the new codes have been checked with, and incorporated within, the central code file in seattle. Submit proposed codes to the data processing manager, RACE, AFSC, 526-4209.

General Instructions

- The vessel, cruise, and haul numbers must be filled out on all forms. A haul number should be assigned each time sampling gear enters the water.
- For each cruise number, all hauls taken by a vessel must be numbered in sequential order from 001 to nnn (the final haul), regardless of whether hauls in the series were station tows, comparative fishing power tows, or other special studies.
- If any field has a missing value, leave the appropriate boxes on the coding forms blank. Do not write in dashes, x, or any other characters.
- For legitimate observations of a value of zero, write the zeroes in the appropriate boxes. For example, if a temperature was not taken, leave the temperature boxes blank. If the temperature was zero degrees, write the zeroes in the boxes.
- Do not write any commas or any alphabetic characters in any numeric fields.
- Integer numeric values should be entered in the appropriate boxes rightjustified, blank fields to the left.
- For fractional values, the decimal points are implied. As such, do not write any decimal points in the boxes. Instead, justify the digits according to the decimal point printed on the forms.
- Separate juvenile and adult species codes should only be used when absolutely required for hauls with a particularly difficult length frequency subsampling problem. When separate juvenile and adult species codes are used, they must be used consistently for both catch and length frequency data. The size range chosen to represent juveniles (e.G. Pollock less than 20 cm) must be established before a survey begins, and whenever juveniles are subsampled separately from adults, separate species codes and length frequency forms are required.
- For Specimen Data, Specimen I.D. Numbers For Each Species Must Be Sequenced 1 Through Nnn For The Entire Cruise, Not For Each Haul.

RACE Groundfish Survey Data Codes
Good/Satisfactory Performance Codes

-
- 0 Good performance**

 - 1 Satisfactory performance, hung up**
 - 1.1 minor hang(s)
 - 1.11 completed tow
 - 1.12 hauled back early due to hang(s)
 - 1.2 major hang, stopped forward progress of vessel.
 - 1.3 mid-water net touched bottom

 - 2 Satisfactory performance, unspecified gear damage**
 - 2.1 wing damaged
 - 2.2 breastline damaged
 - 2.3 footrope damaged
 - 2.4 belly damaged
 - 2.5 bridle damaged
 - 2.6 main wire damaged

 - 3 Satisfactory performance, gear conflict, unspecified**
 - 3.1 caught pot, unspecified type
 - 3.11 sablefish pot
 - 3.12 Dungeness crab pot
 - 3.13 Alaskan crab pot
 - 3.2 caught longline gear
 - 3.3 caught trawl gear

 - 4 Satisfactory performance, caught unspecified object**
 - 4.1 caught large rock
 - 4.2 caught large quantity of mud
 - 4.3 caught debris or wreckage
 - 4.4 large fish catch affected net performance
 - 4.5 large invertebrate catch affected net performance
 - 4.6 large kelp catch affected performance

-
- 5 Satisfactory performance, unspecified gear performance problem**
 - 5.1 net came off bottom
 - 5.2 net improperly configured, unspecified reason
 - 5.21 dandylines twisted
 - 5.22 floats missing or broken
 - 5.3 weather affected trawl performance
 - 5.4 unspecified door problem
 - 5.41 door digging or falling over
 - 5.5 net crabbing severely
 - 5.6 codend not closed properly
 - 5.8 light footrope contact

 - 6 Satisfactory, unspecified problems**
 - 6.1 depth change over tow exceeds survey defined limits
 - 6.11 average depth of tow outside survey depth limits
 - 6.12 depth range over tow exceeds stratum defined limits
 - 6.2 unspecified main wire problems
 - 6.21 wire out less than recommended scope
 - 6.22 wire out greater than recommended scope
 - 6.23 unequal wire out
 - 6.24 scope changed during tow
 - 6.3 unspecified mechanical problems
 - 6.31 haulback delayed due to mechanical problems
 - 6.4 non-standard tow speed (use codes below)
 - 6.41 tow speed below minimum survey standard speed
 - 6.42 tow speed above minimum survey standard speed

-
- 7 Satisfactory performance, on deck sampling error (MACE)**

 - 8 Satisfactory performance, suspected but not proven little or no bottom contact**

RACE Groundfish Survey Data Codes

Bad Performance Codes

-1 Unsatisfactory performance, hung up

- 1.1 minor hang(s)
 - 1.11 completed tow
 - 1.12 hauled back early due to hang(s)
- 1.2 major hang, stopped forward progress of vessel.
- 1.3 mid-water net touched bottom

-2 Unsatisfactory performance, unspecified gear damage

- 2.1 wing damaged
- 2.2 breastline damaged
- 2.3 footrope damaged
- 2.4 belly damaged
- 2.5 bridle damaged
- 2.6 main wire damaged
- 2.7 net completely destroyed
- 2.8 net lost

-3 Unsatisfactory performance, gear conflict, unspecified

- 3.1 caught pot, unspecified type
 - 3.11 sablefish pot
 - 3.12 Dungeness crab pot
 - 3.13 Alaskan crab pot
- 3.2 caught longline gear
- 3.3 caught trawl gear

-4 Unsatisfactory performance, caught unspecified object

- 4.1 caught large rock
- 4.2 caught large quantity of mud
- 4.3 caught debris or wreckage
- 4.4 large fish catch affected net performance
- 4.5 large invertebrate catch affected net performance
- 4.6 large kelp catch affected performance

-5 Unsatisfactory performance, unspecified gear performance problem

- 5.1 net came off bottom
- 5.2 net improperly configured, unspecified reason
 - 5.21 dandylines twisted
 - 5.22 floats missing or broken
 - 5.23 Unsatisfactory performance headrope/footrope tangled
- 5.3 weather affected trawl performance
- 5.4 unspecified door problem
 - 5.41 door digging or falling over
 - 5.42 doors crossed
- 5.5 net crabbing severely
- 5.6 codend not closed properly
- 5.7 net unable to reach bottom due to strong currents
- 5.8 light footrope contact

-6 Unsatisfactory performance, unspecified problems

- 6.1 depth change over tow exceeds normal limits
 - 6.11 average depth of tow outside survey depth limits
 - 6.12 depth range over tow exceeds stratum defined limits
- 6.2 unspecified main wire problems
 - 6.21 wire out less than recommended scope
 - 6.22 wire out greater than recommended scope
 - 6.23 unequal wire out
 - 6.24 scope changed during tow
- 6.3 unspecified mechanical problems
 - 6.31 haulback delayed due to mechanical problems
- 6.4 non-standard tow speed (use codes below)
 - 6.41 tow speed below minimum survey standard speed
 - 6.42 tow speed above maximum survey standard speed

RACE Groundfish Survey Data Codes

Haul Table Codes *(continued)*

Skipper Number (continued)	88	Bruce Baker
44 Nancy Ash	90	Per Ostergard
45 Sarah Scherer		
46 Jennifer Hickey		
Event Types		
47 Russell Haner	0	Unidentified method
48 Steve Wagner	1	Scanmar program start time
49 Shawn O'Brien	2	Brake set time
50 Johan Mannes	3	On bottom time
51 Steve Robinson	4	Equilibrium time
52 John Roach	5	Marked event time
53 Jeff Boddington	6	Haulback time
54 Rich Horak	7	Off bottom time
55 Brad Lougheed	8	Doors up time
56 Brian Dickens	9	Doors down time
57 Dean Smehil	10	Surface temperature selection time
58 Buck Graham	11	Start of downcast
59 Chad Cary	12	End of downcast
60 Jennifer Washburn	13	Start of upcast
61 Roger Eggers	14	End of upcast
62 Daniel Simon	15	Start of haul operation
63 Anne Lynch	16	End of haul operation
64 Michael Gallagher		
65 Timothy Clancy		
Wire Out Method		
66 Ken Sjong	0	Unidentified method
67 Kyle Rice	1	Autotrawl readout
68 Dan Clark	2	Autotrawl readout, calibrated by cable meter
69 Miles Cavanaugh		
70 Mike Reardon	3	Cable marks, preexisting
71 John Gruver		
72 Dan Carney	4	Cable marks, calibrated by cable meter
73 Ed French		
74 Jerry Ellefson	5	Measured using 150' marked interval on dock, intervals measured with a tape measure
75 Darin Vanderpol		
76 Rick Loan		
77 Lorin Perry		
78 Mike Wiggins		
79 Loren Reynolds		
80 Jim Hampton		
81 Vidar Ljung		
82 Lou Laferriere		
83 Bud Hanson		
84 Jarl Hogseth		
85 Steve Elliott		
86 Shawn Russell		
87 Bill Jensen		

RACE Groundfish Survey Data Codes

Environmental Observations For all method codes, a NULL (i.e. no entry) will represent “Not measured”.

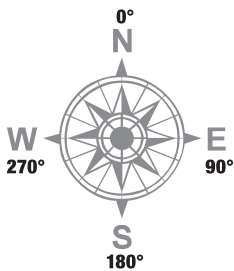
Bottom Steepness Types

Types	Methods
0 Unidentified	0 Unidentified method
1 No slope (flat)	1 Echo sounder
2 Gentle slope	
3 Moderate slope	
4 Steep slope	

Bottom Type (Substrate)

Types	Methods
0 Unidentified	0 Unidentified method
1 Mud	1 Echo sounder
2 Clay	2 Substrate on trawl
3 Sand	3 Substrate on doors
4 Gravel	
5 Cobbles	
6 Rocky	
7 Boulders	

Wind, Wave, Swell, and Current



Direction Values

n°	0° – 359°
-2	Calm
-3	Variable

Wind

Direction Methods	Speed Methods
0 Unidentified method	0 Unidentified method
1 Magnetic compass	1 Electric anemometer
2 Gyro compass	2 Hand anemometer
	3 Beaufort sea state photograph
	4 Estimated

Wave

Direction Methods	Height Methods
0 Unidentified method	0 Unidentified method
1 Magnetic compass	1 Beaufort sea state photograph
2 Gyro compass	2 Estimated

Surface AND Gear Temperature

Methods

0 Unidentified method
1 Brancker XL200 data logger
2 XBT (Expendable bathy thermograph)
3 CTD (Conductivity, temperature, depth)
4 Minimum recording thermometer
5 TDR (Temperature depth recorder)
6 Seabird SBE-39 data logger
7 Thermometer at surface
8 Thermometer in bucket
9 Intake thermometer
10 Falmath NXIC CTD
11 Marport Trawl Explorer
12 Calculated by external, post cruise method, supplied manually for global update.
13 Aanderaa Seaguard data logger
14 Algorithmically-selected single observation from the bathythermic datastream upcast at <= 1 m depth

Swell (Surface Sea)

Direction Methods	Height Method
0 Unidentified method	0 Unidentified method
1 Magnetic compass	1 Beaufort sea state photograph
2 Gyro compass	2 Estimated

Current (Surface Current)

Direction Methods	Speed Methods
0 Unidentified method	0 Unidentified method
1 Magnetic compass	1 Doppler echo sounder
2 Gyro compass	2 (unassigned)
3 ADCP (Acoustic Doppler Current Profiler)	3 ADCP (Acoustic Doppler Current Profiler)
4 Current table	4 Current table
	5 Skipper estimate

RACE Groundfish Survey Data Codes**Haul-Position Form****POSITION FILE**

Description	Description
Vessel code (see vessel code table)	Ending position degrees longitude.
Cruise number	Ending position, minutes longitude, in hundredths of a minute. There is an explicit decimal point between col. 50 And 52.
Haul number	Loran Start First Reading
Year	Loran start rate (see loran table).
Month	Loran start, first reading (Decimal Point Explicit Between Col. 62 And 64).
Day	Loran Start Second Reading
Approximate starting position	Loran start rate
Hemisphere, "+" = north "- " = south	Loran start, second reading (Decimal Point Explicit Between Col. 74 And 76).
Degrees latitude	Loran End First Reading
Minutes latitude, in hundredths of a minute. There is an explicit decimal point between col. 24 and 26.	Loran end rate
Hemisphere, "- " = west, "+ " = east	Loran end, first reading (Decimal Point Explicit Between Col. 86 And 88).
Degrees longitude	Loran End Second Reading
Minutes longitude, in hundredths of a minute. There is an explicit decimal point between col. 33 And 35.	Loran end rate
Ending Position	Loran end, second reading. (Decimal Point Explicit Between Col. 98 And 100).
Hemisphere '+' = north, '-' = south	Vessel, cruise, haul, year, month, day, start position are duplicated by the datalogging programs from the position information.
Ending degrees latitude	Gear depth, headrope (groundfish) or footrope (mace) weighted average in meters.
Ending minutes latitude, in hundredths of a minute. There is an implied decimal point between columns 41 and 43.	Bottom depth, weighted average, in meters.
Hemisphere '-' = west, '+' = east.	

RACE Groundfish Survey Data Codes

Haul-Position Form

HAUL FILE

Description

Equilibrium hour, to the nearest hour (0023).
For Bottom Trawls, The Equilibrium Time Is Defined As The Time The Gear Reaches Bottom.

Duration of tow, in hundredths of an hour.

Distance fished, in thousandths of a kilometer.

Haul type
opportunistic bottom sample (not a preprogrammed station)

- 1 offbottom sample
- 2 Offbottom tow with multiple gear depths (see trawl notebook for depths stepped oblique)
- 3 Standard bottom sample (preprogrammed station)
- 4 fishing power comparative sample
- 5 Commercial prospect sample
- 6 Bottom trawl on predetermined trackline targeted on fish as encountered.
- 7 Fishing gear experiment (not a quantitative sample)
- 8 Opportunistic off-bottom sample
- 9 Tow for collecting fish for tagging and release
- 10 Off-bottom sample, targeted for time of day
- 11 oblique tow.
- 12 Video camera sled tow.
- 13 Index sample tow.
- 14 Sample in wrong stratum due to incorrect depth or location.
- 15 Unknown.
- 16 Adaptive sampling (Auke Bay)
- 17 Crab resurvey tow
- 18 Crab experimental tow
- 19 Crab hot spot tow
- 20 Catch selectively sampled/processed
- 21 Yellowfin sole near shore station
- 22 Inadvertant Duplicate of an Allocated Station
- 23 Fishing Gear Experiment (Quantitative sample)

Stratum (numeric) normally stratum will be left blank, and will be added to the haul records by computer.

Trace depth average depth of target signals on echosounding Records, For Pelagic Hauls.

Surface temperature, in tenths of a degree, centigrade. If no temperature was taken, leave blank. A temperature of zero must be entered as '0000'.
There Is An Explicit Decimal Point Between Columns 70 And 72.

Gear temperature, in tenths of a degree centigrade.
If no temperature was taken, leave blank.
A temperature of zero must be entered as '000'.
There is an explicit decimal point between columns 76 and 78.

Cloud cover

Bottom type (See Bottom Type Table)

Wire out (scope) in meters.

Rpm

Description

Gear code (See Gear Code Table)

Door and accessories code (See Gear Accessories Table)

HAUL CATCH SAMPLE METHODS (p. 7)

- 0 Catch Not Processed
- 1 No Subsampling Done
- 2 Catch Subsampled - Load Cell
- 3 Catch Subsampled - Volumetric
- 4 Catch Subsampled - Visual Estimate
- 5 Unknown
- 6 Catch Subsampled - Basket Weight
- 7 Not Recorded
- 8 Catch Subsampled - Conveyor-belt Flow Scale
- 9 Non-quantitative Catch Sampling
- 10 Zero Catch (empty bag)
- 11 Selective catch sampling for quantitative purposes
- 12 Catch subsampled, without load cell weight of catch. Subsample fraction estimated by volumetric method. Density Lookup Table 2014 used.
- 13 Catch subsampled, without load cell weight of catch. Subsample fraction estimated by volumetric method. Density calculated on deck from haul sample.

Performance do not leave this blank.
If the tow is successful, enter a zero.

Species	Density
Gadus chalcogrammus, Walleye Pollock	0.950
Gadus macrocephalus, Pacific Cod	0.900
Pleurogrammus monopterygius, Atka Mackerel	0.900
Sebastes alutus, Pacific Ocean Perch	0.800
Sebastes polyspinis, Northern Rockfish	0.840
Albatrossia pectoralis, Giant Grenadier	0.980
Flatfishes (yellowfin, rocksole, arrowtooth, plaice, halibut, Kamchatka, flathead)	0.945

RACE Groundfish Survey Data Codes**Species Catch Form**

Contents

Vessel

(See vessel code table)

Cruise

Haul

Species code

(See species code book)

Weight to nearest thousandth of a kilo.

Collected in pounds in 1993 and prior years.

Number of individuals

Length–Frequency Form

Description

Vessel (see vessel code table)

Cruise

Haul

Species code (see species code book)

Length in mm.

Frequency, must be at least 001.

Sex

- 1 Male
- 2 Female
- 3 Undetermined

Length Subsample Types

- 1 Randomly selected
- 2 Stratified by size
- 3 Stratified random
- 4 Selectively sampled
- 5 Unidentified

Length Types

- 1 Fork length measurement, from tip of snout to fork of tail.
- 2 Mideye to fork of tail.
- 3 Tip of snout to hypural plate (standard).
- 4 Mideye to hypural plate.
- 5 Total length (extremity to extremity).
- 6 Snout to second dorsal (e.G. Ratfish).
- 7 Length of carapace from back of right eye socket to end of carapace.
- 8 Width of carapace.
- 9 Head length (snout tip to posterior opercular margin).
- 11 Snout to anal fin origin (e.G. Rattails).
- 12 Mantle length (e.G. Squid).
- 13 Posterior of orbital to end of telson (e.G. Shrimp).
- 14 Wingtip to wingtip (e.g. skates and rays)
- 15 Outer tip of rostrum to end of telson (e.g. shrimp)
- 16 Modal, created in merge juveniles script
- 17 Length frequency estimated using size composition proportions from adjacent hauls with similar catch composition

RACE Groundfish Survey Data Codes

Specimen Form

Description

Vessel (see vessel code table)

Cruise

Haul

Stratum, (numeric only) this may be used for otolith area or stratum code.

Species code (see species code book)

Sex

- 1 Male
 - 2 Female
 - 3 Undetermined
-

Maturity code (see maturity code tables)

Length in mm

Weight in grams

Age

Description

Specimen_subsample_method

- 1 Randomly selected
 - 2 Stratified by size
 - 3 Stratified random
 - 4 Selectively sampled
 - 5 Sub-sampled from original random sample and stratified by size
 - 6 Stratified sex/length/area
 - 7 Stratified sex/length/haul
 - 8 Randomly selected age specimens collected from catch containing ≥ 20 individuals and stratified by historical catch density and haul.
 - 9 Randomly selected age specimens collected from catch containing ≥ 20 individuals and stratified by life-stage (e.g., juveniles and adults), historical catch density, and haul.
 - 10 Randomly select 10 fish if catch=10-500 fish; 20 if catch>500. If juvenile <25cm dominate, collect 2 of 25cm fish, allocate remainder to larger fish.
 - 11 100% Sampled
 - 12 100% Sampled up to a specified maximum number
 - 13 100% sampled when specified threshold number occurs in catch. Not sampled when threshold not met.
 - 14 Sampled up to specified maximum number per haul, when specified threshold number occurs in catch. Not sampled when threshold not met.
 - 15 Stratified sex/haul
 - 16 Stratified sex/haul/area
-

Specimen_sample_type

if no age structure was collected, leave this blank. Otherwise code.

- 1 Otoliths
 - 2 Scales
 - 3 Otoliths and scales
 - 4 Scales and dorsal fin spine
 - 5 Dorsal fin spine or ray
 - 6 Opercular bone
 - 7 Oxytetracycline (otc) marked otolith
 - 8 Length weight
 - 9 Vertebra(e)
 - 10 Whole animal
 - 11 Genetic tissue and otoliths
-

Age_determination_method

if no age was recorded in col. 45-46, Leave this blank.

Otherwise code.....

- 1 Observed age
 - 2 Backcalculated Age/Length
 - 3 Otolith Surface Reading
 - 4 Otolith Section Reading (Break & Burn)
 - 5 Otolith Section Reading (Thin Section)
 - 6 Otolith Section Reading (Break & Burn, Toasted)
 - 7 Otolith Section Reading (Break & No Burn)
 - 8 Cut And Stain
 - 9 Oven Bake And Flame Burn
 - 10 Thin Section And Stain
 - 11 Ground
-

Specimen number (numeric) may be used for specimen identification, or container identification. Specimens should be sequenced 1 through nnn for each cruise throughout the cruise. Specimen numbers may not be repeated between hauls.

Maturity table used to record maturity code in Col. 25 (See maturity code tables)

RACE Groundfish Survey Codes

Vessel Code

Code Range	Vessel Type
001–399	U.S. Vessels
400–500	Canadian Vessels
501–600	Japanese Vessels
601–700	IPHC Vessels
701–800	Other Foreign Vessels
999–	Non-Vessel Fishing Platforms

Vessel Code	Vessel
UNITED STATES GOVERNMENT AND CHARTERED VESSELS	
01	R/V Chapman
02	R/V John N. Cobb
03	M/V Pacific Harvester
04	R/V Commando
05	M/V Mary Lou
06	M/V California Horizon
07	M/V Washington
08	M/V New Life
09	G.B.Reed
10	M/V Bering Star
11	M/V Sunset Bay
12	M/V Discovery Bay
13	M/V Ocean Leader
14	R/V Oregon
15	M/V Pacific Lady
16	M/V Mark I
17	M/V Anna Marie
18	M/V North Pacific
19	M/V Pat San Marie
20	M/V Smarag
21	R/V Miller Freeman
22	M/V Pacific Raider
23	M/V Dominator (Prev. U.S. Dominator)
24	M/V Noredick
25	David Starr Jordan
26	Discoverer
27	M/V Heidij
28	M/V Paragon li
29	M/V Sea Hawk
30	M/V Freeport
31	M/V Ocean Harvester
32	New Hope
33	Yaquina
34	John R. Manning
35	Annihilator
36	Queen Victoria
37	R/V Alaska
38	R/V Paragon 1
39	Warrior li
40	Nordfjord
41	R/V Resolution
42	M/V Commander

RACE Groundfish Survey Codes

Vessel Code *(continued)*

Vessel Code	Vessel
43	M/V Royal Baron
44	M/V Half Moon Bay
45	F/V Valiant
46	Steller
47	American Eagle (N. Pac. Ves. Own. Assoc.)
48	Goldnsun
49	George B. Kelez
50	Quest
51	N. B. Schofield
52	Miscellaneous California Sport Boats
53	Collier Brothers
54	Pacific Queen
55	Forene
56	Isis
57	Morning Star (Different Than Vessel #604)
58	Ocean Spray
59	Marathon
60	Argosy
61	Viking Queen
62	Murre li
63	Peregrine
64	Little Lady
65	Cape Falcon
66	Lets Go
67	Starlight
68	American Viking
69	Sitka Harbor
70	Prowler (Longliner Used In '87 & '88, Different Than # 108)
71	Martina
72	Oceanic
73	Golden Fleece
74	Western Dawn
75	Golden Pisces
76	Golden Pride
77	Western Flyer (Different Than Vessel #606)
78	Ocean Hope 3
79	Pelagos
80	Nancy Rose
81	Ocean Prowler
82	Townsend Cromwell
83	Green Hope
84	Continuity

Vessel Code	Vessel
85	Ocean Hope I
86	Mako (Cdf&G)
87	Tracy Anne
88	F/V Arcturus
89	F/V Aldebaran
90	Alsea
91	Muir Milach
92	F/V Progress
93	Unimak Enterprise
94	F/V Vesteraalen
95	F/V Pacific Knight
96	F/V Alaskan Leader
97	F/V Columbia
98	Topaz
99	Crawdad
100	Golden Dawn
101	Marine Surveyer
102	Seasdee
103	Fury li
104	Scswrp Vessel
105	Van Tuna
106	Searcher (Sank)
107	Vallero Iv
108	Prowler (Scswrp Vessel, Different Than Vessel #70)
109	Anton Doran
110	Scswrp Vessel
111	Scswrp Vessel
112	Scswrp Vessel
113	Scswrp Vessel
114	Scswrp Vessel
117	Scswrp Vessel
118	Scswrp Vessel
119	F/V Caravelle
120	F/V Alliance
121	F/V Dawn
122	F/V Pacific Pride
123	F/V Pandalus (Adf&G Homer)
124	F/V Dominion
125	F/V Buck-N-Ann
126	F/V Laura
127	Nightwatch (Adf&G)
128	Sunrunner (Adf&G)
129	F/V Excaliber

RACE Groundfish Survey Codes**Vessel Code** *(continued)*

Vessel Code	Vessel
130	F/V Olympic
131	F/V Michele Ann
132	Peggy Jo
133	Taasinge
134	Northwest Explorer
135	Margaret Lynn
136	Rebecca Irene
137	Ocean Peace
138	Arica
139	Brown's Point
140	Legacy
141	Hickory Wind
142	Sea Freeze Alaska
143	Sea Storm
144	Larkin
145	Hazel Lorraine
146	Sea Fisher
147	Gladiator
148	Ocean Explorer
149	Frosti
150	Medeia (Adf&G)
151	Pacific Star
152	Auriga
153	Fierce Allegiance
154	Sea Wolf
155	Nordic Fury
156	Shamook
157	Oscar Dyson
158	Wilfred Templeman
159	Pacific Explorer
160	Beauty Bay
161	Epic Explorer
162	Alaska Knight
163	R/V Adolf Jensen (Pathology)
164	F/V Nanna L. (Pathology)
165	F/V Monica Jene (Pathology)
166	Karma (Pathology)
167	Northwestern (Pathology)
168	F/V Loki (Pathology)
169	M/V Valkyrie (Pathology)
170	Stanley K (Pathology)
171	F/V Miss Linda (Pathology)
172	F/V Big Blue (Pathology)

Vessel Code	Vessel
173	Linnea (Pathology)
174	Bristol Explorer
175	F/V Gold Rush
176	Alaska Provider
177	Alaskan Endeavor
178	Cape Flattery
179	Ocean Starr
180	Bell Shimada

CANADIAN FISHERIES SURVEY AND TAGGING VESSELS

400	Linda
401	Seapak
405	La Porshe
413	Talapus
415	Westerly
423	Southward Ho
426	Pacific Trident
427	Neekis
432	Ocean Pearl
435	La Pointe
438	Viking Star
450	M/V Belina
451	Ocean Trawler
452	Sharlene K.
453	Royal Canadian
454	A.K. Knight
456	Investigator
457	Eastward Ho
462	Blue Waters
474	Anna V Eagan
483	Wespak
498	Arctic Harvester
499	W.R. Ricker

JAPANESE FISHERIES SURVEY AND TAGGING VESSELS

501	Kawachi Maru
502	Nisshin Maru
503	Chosui Maru
504	Yoko Maru
505	Inase Maru No.3
506	Tanshu Maru
507	Wakatori Maru No. 2
508	Shunyo Maru
509	Tomi Maru No. 52
510	Yakushi Maru

RACE Groundfish Survey Codes

Vessel Code *(continued)*

Vessel Code	Vessel
511	Shotoko Maru
512	Yakushi Maru No. 21
513	Shotoku Maru No. 35
514	Ryoan Maru No. 31
515	Ryujin Maru No. 8
516	Fukuyoshi Maru No. 8
517	Anyo Maru No. 21
518	Anyo Maru No. 22
519	Anyo Maru No. 8
520	Yan Yuan Maru No. 2
521	Chikuzen Maru
522	Seiju Maru No. 28
523	Tsune Maru No. 31
524	Fukuyoshi Maru No. 26
525	Fuki Maru No. 58
526	Fuki Maru No. 63
527	Wakashio Maru No. 68
528	Narita Maru No. 37
529	Shoyo Maru
530	Daian Maru No. 128
550	Hatsue Maru No. 55
551	Ryusho Maru No.15
552	Hatsue Maru No. 62
553	Kaiyo Maru (Launched 1967)
554	Daito Maru No. 38
555	Daikichi Maru No. 37
556	Daikichi Maru No. 32
557	Ginryu Maru No. 5
558	Shosin Maru No. 20
559	Shin-Ei Maru No. 63
560	Taisei Maru No. 35
561	Tomi Maru No. 88
562	Tomi Maru No. 51
563	Kaiyo Maru (Launched 1991)

INTERNATIONAL PACIFIC HALIBUT COMMISSION SURVEY VESSELS

603	M/V St.Michael
604	M/V Morning Star (Used In 1961 And 1962 Only)
606	M/V Western Flyer
620	M/V Tordenskjold
626	M/V Don Edwards
627	M/V Ocean Star
630	M/V Arthur H

Vessel Code	Vessel
631	M/V Harmony
632	M/V Tonquin
633	M/V Seymour

OTHER FOREIGN FISHERIES SURVEY AND TAGGING VESSELS

723	Siedlecki (Polish)
758	Novokotovsk (Soviet)
759	Tikhookeanski (Soviet)
760	Ogon (Soviet)
761	Seskar (Soviet)
762	Kameskoe (Soviet)
763	Ekvator (Soviet)
764	Poseydon (Soviet)
765	Pusan (Prior To 1985 Oh Dae San) (Korean)
766	Korean Longliners (Unnamed)
767	Seo Gang (Korean)
768	O Dae Yang No. 201 (Korean)
769	Kowang Myeong No. 81 (Korean)
780	D Dong Won No. 31 (Korean)
781	Shantar (Soviet)
782	Mys. Dalniy (Soviet)
783	Milogradova (Soviet)
784	Srtm 8459 (Soviet Side Trawler)
786	Mys. Babushkina (Soviet)
787	Gissar (Soviet)
788	Babaevsk (Soviet)
789	Sulak (Soviet)
790	Darvin (Soviet)
791	Gae Yang Ho (Korean)
792	Sunflower No. 7 (Korean)
793	Novodrutsk (Soviet)
794	Mliechnyi Put (Soviet)
795	Professor Kaganovskiy (Soviet)
796	R/V Tamgu (Korean)

NONVESSEL FISHING PLATFORMS

999	Shore And/Or Dock
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MATURITY CODES

General

Maturity Code — Table 1

General five-point maturity scale for egg-laying spawners (gadids, flatfish, etc.).

Use maturity table 2 for rockfish species. Use maturity table 3 for walleye pollock. Use maturity table 5 for pacific cod.

Use maturity table 6 for sablefish. See maturity table 8 for english sole.

Code	Condition	Description
1	Immature	Gonads small, situated close to vertebral column, and difficult to determine sex. Ovaries pink or translucent, testes translucent. Apparently has not spawned for the first time.
2	Developing	Gonads small, to about 1/2 length of ventral cavity. Transparent and/or opaque ova visible to naked eye, testes swelling.
3	Spawning	Ova and sperm run under slight pressure. Most eggs translucent with few opaque eggs left in ovary.
4	Spent	Ovaries and testes flaccid and empty. Ovaries may contain remnants of disintegrating ova, testes bloodshot.
5	Inactive	Adults with gonads firm and shaped, but showing no development of ova or sperm.

Rockfish

Maturity Code — Table 2

Nine-point maturity scale for rockfish species. Use maturity table 1 for all egg-laying spawners except walleye pollock, pacific cod, sablefish, and english sole.

FEMALES			MALES		
Code	Condition	Description	Code	Condition	Description
1	Immature	Ovary small and translucent or small and yellow.	1	Immature	Testes stringlike, translucent or translucent white.
2	Maturing	Ovary firm, eggs yellowish and opaque.	7	Maturing	Testes large and swollen, somewhat rounded in crosssection, white. Sections of fresh testes produce freeflowing sperm.
3	Yolk cleared (eggs fertilized)	Ovary not firm, eggs yellowish and translucent.	8	Copulation	Milt can be expressed by applying pressure on the body. Testes divided into an inner layer of lighter color with sperm in ampullae, and a more transparent outer layer with voided ampullae.
4	Ripe (with embryos or larvae)	Ovary not firm, eggs translucent with black dots or visible larvae.	9	Sexually inactive	Testes ribbonlike, triangular in crosssection, brown. Sections of fresh testes do not have freeflowing sperm.
5	Spent	Ovary large and flaccid with a reddishpurple or dark grey color.			
6	Sexually inactive	Ovary firm, grey or pink, some with black blotches.			

MATURITY CODES

Walleye Pollock

Maturity Code — Table 3

Five-point maturity scale for walleye pollock (established 1/5/79).

Code	FEMALES		MALES
	Condition	Description	Description
1	Immature	Ovaries small, transparent, tapered.	Testes thread-like, contained within a transparent membrane.
2	Developing	Ovaries tapered, two distinct lobes with well-developed red blood vessels. May be partially granular (some distinct ova).	Testes uniformly ribbon-like. Surface of testes appear smooth and uniformly textured.
3	Mature	Ova distinctly visible but cannot be extruded with compression. Ovaries are two large, distinct lobes. Gonads expelled through body wall incision.	Testes large and highly convoluted; sperm cannot be extruded. Gonads are expelled through a body wall incision.
4	Spawning	Ova extrude when ovaries are compressed, or ova are loose in ovaries.	Testes milk freely or extrude sperm when compressed.
5	Spent	Ovaries large but flaccid and watery. May contain remnants of disintegrated ova and associated structures.	Testes large but flaccid, watery, and bloodshot.

Sablefish

Maturity Code — Table 4

Seven-point maturity scale for sablefish. (This table is replaced by **maturity table 6** as of 1982.)

Code	FEMALES		MALES
	Condition	Description	Description
1	Immature	Pair of ovaries stringlike, dark maroon.	Pair of testes stringlike & dark maroon.
2	Developing	Ovaries not stringlike, enlarging, becoming light red, outline of developing eggs vaguely discernible.	Pair of testes firm, not stringlike, enlarging, becoming light red if not still maroon.
3	Developing	Same as 2, but becoming whitish and outline of developing eggs readily seen.	Pair of testes not stringlike, firm, enlarging, becoming spotty white with light red in color.
4	Gravid	Translucent eggs loose in body cavity or extruding from oviduct.	Testes milky white, somewhat flaccid & soft.
5		Includes stages 1 & 2.	Includes stages of development 1 & 2.
6	Spent	Ovaries shriveled.	Individual pair of gonads.
7		Includes stages 3 & 4.	Includes stages 3 & 4.

MATURITY CODES

Pacific Cod

Maturity Code — Table 5

Five point maturity scale for pacific cod. (Established 1981)

Code	Condition	Description
1	Immature (will not spawn this season)	Gonads small, situated close to vertebral column, may be difficult to sex. Ovaries appear as pink or translucent paired sacs, no oocytes are visible to the eye. Testes are translucent and appear as “bumps” on threadlike strands that are closely associated with, and often indistinguishable from, the gut mesentery.
2	Developing	Gonads small, to about 1/2 the length of the body cavity. Transparent and/or opaque orange oocytes are distinct and visible through the ovary wall. The ovaries form 2 tapered, distinct lobes having welldeveloped red blood vessels. The testes appear uniformly ribbonlike, swollen in size and take on an increasing whitish color.
3	Prespawn/ mature	Ovaries form 2 large distinct lobes. Most eggs appear as mature, clear ova, some oocytes remain interspersed throughout the ovary. The testes are large, swollen white and highly convoluted “leaflobed” ribbons filling the entire body cavity.
4	Spawning (imminent spawning)	Ova and sperm run under slight pressure to the body. Ova are loose in the ovary and the testes milk freely.
5	Spent (this year spawning completed)	Gonads still large, but appear flaccid and watery. Ovaries may contain remnants of disintegrating ova and associated structures. Testes appear bloodshot.

Sablefish

Maturity Code — Table 6

Five point maturity scale for sablefish. (Replaces table 4. Revised 1982, 1987.)

Code	Condition	FEMALES	MALES
		Description	Description
1	Immature	Ovaries appear as two narrow, stringlike lobes, almost clear in color.	Testes narrow and ribbonlike, almost clear in color, with four flat lobes.
2	Juvenile	Ovaries not stringlike, enlarging, still clear; eggs not readily seen. (Only fish which have not spawned previously.)	Testes enlarging, not ribbonlike, four prominent lobes light pink. (Only fish which have not spawned previously.)
3	Mature/ developing	Ovaries large, becoming white, small developing eggs readily discernable and firmly attached.	Testes large, white, with four lobes, no milt present.
4	Spawning	Ovaries very large, large translucent eggs loose in ovary or extruding from the oviduct.	Testes very large, white, extruding milt freely under slight pressure or when cut.
5	Spent/ post-spawning	Ovaries shriveled and opaque.	Testes large, shriveled, often with wrinkles. No milt present.

Ovarian Development

Maturity Code — Table 7

Four stage general maturity table based on natural phases of ovarian development.

FEMALES

Code	Condition	Description
1	Juvenile	Ovary developed as genital ridge or to a definite gonad, translucent. Oocytes transparent, not recognizable to the naked eye.
2	Ripening	Ovary elongated, not transparent. Oocytes opaque and at the beginning of vitellogenesis.
3	Running ripe	Ovary translucent, eggs transparent.
4	Spent	Ovary slack and shrunken, translucent or opaque, residual eggs.

English Sole

Maturity Code — Table 8

Five point scale for english sole. (Established 1989.)

Code	Condition	Description
1	Immature	Gonads small. Testes translucent, ovaries translucent pink and without blemishes. Fish apparently have not spawned for the first time.
2	Developing	Gonads swelling. Testes have no flowing sperm detectable. Ovaries have white opaque eggs, less than 50% of eggs are clear. Ovary firm.
3	Spawning	Testes have flowing sperm detectable by pressure or dissection. Ovaries have cleared eggs, less than 50% of eggs are opaque. Ovary may be partially or fully running ripe.
4	Spent	Gonad flaccid. Ovary dark, may have residual eggs.
5	Inactive	Gonad firm and shaped, but no distinguishable ova or sperm. Blemished ovary may help differentiate this code from code 1.

Yellowfin Sole

Maturity Code — Table 9

Four point maturity scale for yellowfin sole. (Established 1991).

FEMALES			MALES
Code	Condition	Description	Description
1	Immature	Ovary clear to slightly pink or grey-pink. Gelatinous with no distinct eggs.	Clear tubules in body cavity or none may be found.
2	Mature	Ovary usually reddish with distinct eggs. A network of veins covers the ovary. Eggs are opaque colored (not hydrated).	Opaque or white mass, some in folds.
9	Transition	As above but some portion of eggs are clear-translucent (hydrated).	
3	Ripe	Running eggs with slight pressure. All eggs are clear-translucent.	Running sperm with slight pressure.
4	Spent	Deflated ovary, often with blood.	Deflated testes, little sperm left.

MATURITY CODES

Shortspine Thornyhead

Maturity Code — Table 10

Maturity table for shortspine thornyhead.

FEMALES			MALES
Code	Condition	Description	Description
1	Immature	Very small, clear, translucent, pink, somewhat flattened dorso-ventrally. Outer membrane very tight and smooth.	Very small, threadlike, transparent, difficult to find.
2	Maturing	Small but robust, translucent, pink.	Small, slight swelling, translucent, white.
3	Mature-developing	(ova) Large, firm, translucent or opaque, pink, ova small white (or yellow) and opaque, outer ovarian membrane transparent.	Medium, ribbon-like, swollen, brown to white.
4	Mature-	(with jelly) Large, white eggs surrounded by jelly, jelly often partially extruded.	(developed) Large, swollen, easily broken, milt in sperm duct.
5	Mature-spawning		Large, swollen, flowing milt when pressure applied, white.
6	Mature-spent	Large, flaccid, red, often with a few eggs being absorbed at posterior end.	Large-medium, milt in sperm duct, brown with white center.
7	Mature-resting	Moderate, pink, no visible eggs, outer membrane is looser than in immature stage, ovary not flattened dorso-ventrally.	Medium, ribbon-like, flat, firm, tan or brown, opaque.

MACE / Pollock

Maturity Code — Table 11

MACE maturity table for pollock.

FEMALES			MALES
Code	Condition	Description	Description
2	Developing I	Ovaries translucent grayish-red; Length is less than half of ventral cavity; (Single eggs can be seen with magnifying glass); (Occasionally small orange ovaries)	Testes translucent grayish-red; Length is less than half of ventral
3	Developing II	Ovaries opaque with blood; Capillaries occupy about half the length of ventral cavity eggs visible to eye as whitish, granular	Testes opaque with blood capillaries; Occupy about half the length of ventral cavity
4	Prespawning I	Ovaries orange, reddish; Occupy about 2/3 of ventral cavity; Eggs clearly discernible, opaque	Testes reddish white convoluted; Occupy about 2/3 of ventral cavity; No milt drops appear with pressure
5	Prespawning II	Ovaries fill ventral cavity; Some eggs translucent (hydrated)	Highly convoluted testes fill ventral cavity white drops of milt fall with pressure
6	Spawning	Roe runs with slight pressure; Most eggs hydrated (translucent) with few opaque eggs left in ovary	Milt runs in a stream with slight pressure
7	Spent I	Ovaries not yet fully empty; Few opaque eggs left in ovary	Testes not yet fully empty, large, flaccid watery and bloodshot
8	Spent II	Ovaries empty, red; A few eggs in the state of reabsorption	Testes empty, red

MATURITY CODES

Pacific Ocean Perch

Maturity Code — Table 12

Maturity table for female Pacific ocean perch.

Code	Condition	Ovary description
1	Immature	Small, translucent
2	Maturing	Small, yellow, translucent or opaque
3	Mature	Large, yellow, opaque
4	Fertilized	Large, orange-yellow, translucent
5	Ripe	Large, translucent yellow or gray, with black dots (contain embryos or larvae)
6	Spent	Large, flaccid, red. A few larvae may be present
7	Resting	Moderate size, firm, red-gray, with some black blotches

Popeye Grenadier

Maturity Code — Table 13

Maturity table for female popeye grenadier.

Code	Condition	Description
1	Mature	Oocyte seen
2	Immature	No oocytes seen

Northern and Southern Rock Sole

Maturity Code — Table 14

Anatomical maturity table for northern rock sole (*I. Polyxystra*) and southern rock sole (*I. Bilineata*) established 1/2001.

FEMALES			MALES
Code	Condition	Description	Description
1	Immature	ovaries transparent, compact, located in the anterior portion of the dorsal mesentery.	testes translucent, compact, located in Anterior portion of the dorsal mesentery.
2	Intermediate	ovaries coloration gray or white, no visible ova.	testes opaque or white.
3	Ripe	ovaries coloration orange, no visible developing ova. Ovaries extend to the posterior portion of the dorsal mesentery.	testes large, engorged. Testes extend to the posterior portion of the dorsal mesentery.
4	Gravid (F) Spawning (M)	opaque ova distinctly discernable thru distended ovaries walls.	testes have milky appearance and expels imminent sperm when slightly palpated.
5	Spawning	transparent ova distinctly discernable thru ovaries walls.	sperm free flowing from cloaca, testes have milky coloration.
6	Spent	ovaries walls are flaccid, opaque. Ovaries atrophied, amorphous, blood clots may be visible and add purple coloration to the ovaries walls.	testes flaccid, may be hydrated, dull coloration, blood clots may be discernable and add a purple coloration to the testes.

MATURITY CODES

Shortspine and Longspine Thornyheads

Maturity Code — Table 15

For shortspine and longspine thornyheads

FEMALES			MALES
Code	Condition	Description	Description
1	Immature	gonads small, stringlike, and clear or transparent.	gonads small, stringlike, and clear or transparent.
2	Developing or Inactive	ovary swollen and translucent. No tiny eggs present. (Note: often the outer membrane of ovary must be removed to detect eggs.)	testes swollen, opaque or translucent, colored tan or white. No milt present in ducts or expressible when testis is sectioned.
3	Mature (active)	ovary swollen and translucent or opaque. Tiny eggs present in ovarian tissues.	testis swollen and opaque. Milt present in ducts posterior to testes.

Pacific Cod

Maturity Code — Table 16

Pacific cod maturity codes

FEMALES			MALES
Code	Condition	Description	Description
1	Immature	Gonads small, close to vertebral column, may be difficult to sex. Ovaries appear as pink or transparent paired sacs, no oocytes are visible to the eye.	Gonads small, close to vertebral column, may be difficult to sex. Testes translucent "bumps" on threadlike strands closely associated with, and often indistinguishable from, the gut mesentery.
2	Developing	Gonads small, to about 1/2 the length of body cavity. Ovaries form 2 tapered, distinct lobes having welldeveloped blood vessels. Transparent and/or opaque orange oocytes are distinct and visible through the ovary wall. Oocytes stick together forming a solid mass.	Gonads small, to about 1/2 the length of body cavity. Testes appear uniformly ribbonlike, swollen in size, and take on an opaque or increasingly whitish color.
3	PreSpawn	Ovaries form 2 large distinct lobes. Most eggs appear as mature clear ova, some oocytes remain interspersed throughout the ovary. Ova are less adhesive resembling the consistency of Cream of Wheat the breakfast cereal.	Testes are large, swollen white and highly convoluted "leaflobed" ribbons filling the entire body cavity. Milt is emitted when wall is compromised (pinched).
4	Spawning	Eggs run under slight pressure to the body. Ova are loose in the ovary.	Testes milk freely under slight pressure to the body.
5	Spent	Gonads are still large, but appear flaccid and watery. Ovaries may contain remnants of disintegrating ova and associated structures.	Gonads are still large, but appear flaccid and watery. Testes appear bloodshot. There may be some areas of the testes that still contain milt.
6	Resting	Ovaries small, firm, may have some black or silver color. No oocytes are visible to the eye.	

Temporary
code

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U.S. Secretary of Commerce
Wilbur L. Ross, Jr.

Acting Under Secretary of Commerce
for Oceans and Atmosphere
Dr. Neil Jacobs

Assistant Administrator for Fisheries
Chris Oliver

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