

APPENDIX G: GLOSSARY

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Appendix G-1. Demersal Fish Species Alphabetized by Species Name. Demersal fish species collected at depths of 2-484 m on the southern California shelf and upper slope, July-October 2008.

Species	Common Name
<i>Agonopsis sterletus</i>	southern spearnose poacher
<i>Anchoa compressa</i>	deepbody anchovy
<i>Anchoa delicatissima</i>	slough anchovy
<i>Anoplopoma fimbria</i>	sablefish
<i>Argyroteleus affinis</i>	slender hatchetfish
<i>Argyroteleus lychnus</i>	silver hatchetfish
<i>Argyroteleus sladeni</i>	lowcrest hatchetfish
<i>Artedius notospilotus</i>	bonyhead sculpin
<i>Bathylagus pentacanthus</i>	bigeye poacher
<i>Bathyrhina interrupta</i>	sandpaper skate
<i>Careproctus melanurus</i>	blacktail snailfish
<i>Ceratoscopelus townsendi</i>	dogtooth lampfish
<i>Cheilodactylus saturnum</i>	black croaker
<i>Chilara taylori</i>	spotted cusk-eel
<i>Chitonotus pugetensis</i>	roughback sculpin
<i>Citharichthys fragilis</i>	Gulf sanddab
<i>Citharichthys sordidus</i>	Pacific sanddab
<i>Citharichthys stigmaeus</i>	speckled sanddab
<i>Citharichthys xanthostigma</i>	longfin sanddab
<i>Cymatogaster aggregata</i>	shiner perch
<i>Embiotoca jacksoni</i>	black perch
<i>Engraulis mordax</i>	northern anchovy
<i>Enophrys taurina</i>	bull sculpin
<i>Eopsetta jordani</i>	petrale sole
<i>Eptatretus deani</i>	black hagfish
<i>Eptatretus stoutii</i>	Pacific hagfish
<i>Facciolella equatorialis</i>	dogface witch eel
<i>Genyonemus lineatus</i>	white croaker
<i>Gibbonsia elegans</i>	spotted kelpfish
<i>Gibbonsia metzi</i>	striped kelpfish
<i>Glyptocephalus zachirus</i>	rex sole
<i>Gymnura marmorata</i>	California butterfly ray
<i>Heterostichus rostratus</i>	giant kelpfish
<i>Hexagrammos decagrammus</i>	kelp greenling
<i>Hippocampus ingens</i>	Pacific seahorse
<i>Hippoglossina stomata</i>	bigmouth sole
<i>Hydrolagus colliei</i>	spotted ratfish
<i>Hypsurus caryi</i>	rainbow seaperch
<i>Icelinus burchami</i>	dusky sculpin
<i>Icelinus cavifrons</i>	pit-head sculpin
<i>Icelinus oculatus</i>	frogmouth sculpin
<i>Icelinus quadriseriatus</i>	yellowchin sculpin
<i>Icelinus tenuis</i>	spotfin sculpin
<i>Ilypnus gilberti</i>	cheekspot goby
<i>Lepidogobius lepidus</i>	bay goby
<i>Leptocottus armatus</i>	Pacific staghorn sculpin
<i>Lestidiops ringens</i>	slender barracudina

Species	Common Name
<i>Leuroglossus stilbius</i>	California smoothtongue
<i>Lycodapus fierasfer</i>	blackmouth eelpout
<i>Lycodapus mandibularis</i>	pallid eelpout
<i>Lycodes cortezius</i>	bigfin eelpout
<i>Lycodes diapterus</i>	black eelpout
<i>Lycodes pacificus</i>	blackbelly eelpout
<i>Lyconema barbatum</i>	bearded eelpout
<i>Lyopsetta exilis</i>	slender sole
<i>Merluccius productus</i>	Pacific hake
<i>Microstomus pacificus</i>	Dover sole
<i>Mustelus henlei</i>	brown smoothhound
<i>Myliobatis californica</i>	bat ray
<i>Nezumia stelgidolepis</i>	California grenadier
<i>Odontopyxis trispinosa</i>	pygmy poacher
<i>Ophiodon elongatus</i>	lingcod
<i>Oxylebius pictus</i>	painted greenling
<i>Paralabrax clathratus</i>	kelp bass
<i>Paralabrax maculatofasciatus</i>	spotted sand bass
<i>Paralabrax nebulifer</i>	barred sand bass
<i>Paralichthys californicus</i>	California halibut
<i>Parmaturus xaniurus</i>	filetail cat shark
<i>Parophrys vetulus</i>	English sole
<i>Peprilus simillimus</i>	Pacific pompano
<i>Phanerodon furcatus</i>	white seaperch
<i>Physiculus rastrelliger</i>	hundred-fathom codling
<i>Platyrrhinoidis triseriata</i>	thornback
<i>Plectobranchnus evides</i>	bluebarred prickleback
<i>Pleuronichthys decurrens</i>	curlfin sole
<i>Pleuronichthys guttulatus</i>	diamond turbot
<i>Pleuronichthys ritteri</i>	spotted turbot
<i>Pleuronichthys verticalis</i>	hornyhead turbot
<i>Porichthys myriaster</i>	specklefin midshipman
<i>Porichthys notatus</i>	plainfin midshipman
<i>Raja inornata</i>	California skate
<i>Raja rhina</i>	longnose skate
<i>Rathbunella hypoplecta</i>	bluebanded ronquil
<i>Rhacochilus toxotes</i>	rubberlip seaperch
<i>Rhacochilus vacca</i>	pile perch
<i>Rhinobatos productus</i>	shovelnose guitarfish
<i>Rhinogobiops nicholsii</i>	blackeye goby
<i>Rimicola muscarum</i>	kelp clingfish
<i>Roncador stearnsii</i>	spotfin croaker
<i>Sardinops sagax</i>	Pacific sardine
<i>Scorpaena guttata</i>	California scorpionfish
<i>Scorpaenichthys marmoratus</i>	cabezon
<i>Sebastes atrovirens</i>	kelp rockfish
<i>Sebastes aurora</i>	aurora rockfish

Species	Common Name
<i>Sebastes caurinus</i>	copper rockfish
<i>Sebastes chlorostictus</i>	greenspotted rockfish
<i>Sebastes crameri</i>	darkblotched rockfish
<i>Sebastes dallii</i>	calico rockfish
<i>Sebastes diploproa</i>	splitnose rockfish
<i>Sebastes elongatus</i>	greenstriped rockfish
<i>Sebastes eos</i>	pink rockfish
<i>Sebastes goodei</i>	chilipepper
<i>Sebastes hopkinsi</i>	squarespot rockfish
<i>Sebastes jordani</i>	shortbelly rockfish
<i>Sebastes levis</i>	cowcod
<i>Sebastes melanostomus</i>	blackgill rockfish
<i>Sebastes miniatus</i>	vermilion rockfish
<i>Sebastes rosaceus</i>	rosy rockfish
<i>Sebastes rosenblatti</i>	greenblotched rockfish
<i>Sebastes rubrivinctus</i>	flag rockfish
<i>Sebastes rufus</i>	bank rockfish
<i>Sebastes saxicola</i>	stripetail rockfish
<i>Sebastes semicinctus</i>	halfbanded rockfish
<i>Sebastes simulator</i>	pinkrose rockfish
<i>Sebastes sp</i>	rockfish
<i>Sebastes umbrosus</i>	honeycomb rockfish
<i>Sebastolobus alascanus</i>	shortspine thornyhead
<i>Sebastolobus altivelis</i>	longspine thornyhead
<i>Seriphus politus</i>	queenfish
<i>Squalus acanthias</i>	spiny dogfish
<i>Stenobranchius leucopsarus</i>	northern lampfish
<i>Symphurus atricaudus</i>	California tonguefish
<i>Syngnathus exilis</i>	barcheek pipefish
<i>Syngnathus leptorhynchus</i>	bay pipefish
<i>Synodus lucioceps</i>	California lizardfish
<i>Torpedo californica</i>	Pacific electric ray
<i>Umbrina roncadore</i>	yellowfin croaker
<i>Urobatis halleri</i>	round stingray
<i>Xeneretmus latifrons</i>	blacktip poacher
<i>Xeneretmus leiops</i>	smootheye poacher
<i>Xeneretmus triacanthus</i>	bluespotted poacher
<i>Xenistius californiensis</i>	salema
<i>Xystreurus liolepis</i>	fantail sole
<i>Zalembius rosaceus</i>	pink seaperch
<i>Zaniolepis frenata</i>	shortspine combfish
<i>Zaniolepis latipinnis</i>	longspine combfish

Appendix G-2. Demersal Fish Species Alphabetized by Common Name. Demersal fish species collected at depths of 2-484 m on the southern California shelf and upper slope, July-October 2008.

Common Name	Species
aurora rockfish	<i>Sebastes aurora</i>
bank rockfish	<i>Sebastes rufus</i>
barcheek pipefish	<i>Syngnathus exilis</i>
barred sand bass	<i>Paralabrax nebulifer</i>
bat ray	<i>Myliobatis californica</i>
bay goby	<i>Lepidogobius lepidus</i>
bay pipefish	<i>Syngnathus leptorhynchus</i>
bearded eelpout	<i>Lycinema barbatum</i>
bigeye poacher	<i>Bathyagonus pentacanthus</i>
bigfin eelpout	<i>Lycodes cortezianus</i>
bigmouth sole	<i>Hippoglossina stomata</i>
black croaker	<i>Cheilotrema saturnum</i>
black eelpout	<i>Lycodes diapterus</i>
black hagfish	<i>Eptatretus deani</i>
black perch	<i>Embiotoca jacksoni</i>
blackbelly eelpout	<i>Lycodes pacificus</i>
blackeye goby	<i>Rhinogobiops nicholsii</i>
blackgill rockfish	<i>Sebastes melanostomus</i>
blackmouth eelpout	<i>Lycodapus fierasfer</i>
blacktail snailfish	<i>Careproctus melanurus</i>
blacktip poacher	<i>Xeneretmus latifrons</i>
bluebanded ronquil	<i>Rathbunella hypoplecta</i>
bluebarred prickleback	<i>Plectobranchnus evides</i>
bluespotted poacher	<i>Xeneretmus triacanthus</i>
bonyhead sculpin	<i>Artedius notospilotus</i>
brown smoothhound	<i>Mustelus henlei</i>
bull sculpin	<i>Enophrys taurina</i>
cabazon	<i>Scorpaenichthys marmoratus</i>
calico rockfish	<i>Sebastes dallii</i>
California butterfly ray	<i>Gymnura marmorata</i>
California grenadier	<i>Nezumia stelgidolepis</i>
California halibut	<i>Paralichthys californicus</i>
California lizardfish	<i>Synodus lucioceps</i>
California scorpionfish	<i>Scorpaena guttata</i>
California skate	<i>Raja inornata</i>
California smoothtongue	<i>Leuroglossus stilbius</i>
California tonguefish	<i>Symphurus atricaudus</i>
cheekspot goby	<i>Ilypnus gilberti</i>
chilipepper	<i>Sebastes goodei</i>
copper rockfish	<i>Sebastes caurinus</i>
cowcod	<i>Sebastes levis</i>
curlfin sole	<i>Pleuronichthys decurrens</i>
darkblotched rockfish	<i>Sebastes cramerii</i>
deepbody anchovy	<i>Anchoa compressa</i>

Common Name	Species
Dover sole	<i>Microstomus pacificus</i>
dusky sculpin	<i>Icelinus burchami</i>
English sole	<i>Parophrys vetulus</i>
fantail sole	<i>Xystreureys liolepis</i>
filetail cat shark	<i>Parmaturus xaniurus</i>
flag rockfish	<i>Sebastes rubrivinctus</i>
frogmouth sculpin	<i>Icelinus oculatus</i>
giant kelpfish	<i>Heterostichus rostratus</i>
greenblotched rockfish	<i>Sebastes rosenblatti</i>
greenspotted rockfish	<i>Sebastes chlorostictus</i>
greenstriped rockfish	<i>Sebastes elongatus</i>
Gulf sanddab	<i>Citharichthys fragilis</i>
halfbanded rockfish	<i>Sebastes semicinctus</i>
honeycomb rockfish	<i>Sebastes umbrosus</i>
hornyhead turbot	<i>Pleuronichthys verticalis</i>
hundred-fathom codling	<i>Physiculus rastrelliger</i>
kelp bass	<i>Paralabrax clathratus</i>
kelp clingfish	<i>Rimicola muscarum</i>
kelp greenling	<i>Hexagrammos decagrammus</i>
kelp rockfish	<i>Sebastes atrovirens</i>
lingcod	<i>Ophiodon elongatus</i>
longfin sanddab	<i>Citharichthys xanthostigma</i>
longnose skate	<i>Raja rhina</i>
longspine combfish	<i>Zaniolepis latipinnis</i>
longspine thornyhead	<i>Sebastobus altivelis</i>
lowcrest hatchetfish	<i>Argyropelecus sladeni</i>
northern anchovy	<i>Engraulis mordax</i>
northern lampfish	<i>Stenobranchius leucopsarus</i>
Pacific electric ray	<i>Torpedo californica</i>
Pacific hagfish	<i>Eptatretus stoutii</i>
Pacific hake	<i>Merluccius productus</i>
Pacific pompano	<i>Peprilus simillimus</i>
Pacific sanddab	<i>Citharichthys sordidus</i>
Pacific sardine	<i>Sardinops sagax</i>
Pacific seahorse	<i>Hippocampus ingens</i>
Pacific staghorn sculpin	<i>Leptocottus armatus</i>
painted greenling	<i>Oxylebius pictus</i>
pallid eelpout	<i>Lycodapus mandibularis</i>
petrale sole	<i>Eopsetta jordani</i>
pile perch	<i>Rhacochilus vacca</i>
pink rockfish	<i>Sebastes eos</i>
pink seaperch	<i>Zalembeius rosaceus</i>
pinkrose rockfish	<i>Sebastes simulator</i>
pit-head sculpin	<i>Icelinus cavifrons</i>
plainfin midshipman	<i>Porichthys notatus</i>
pygmy poacher	<i>Odontopyxis trispinosa</i>
queenfish	<i>Seriphus politus</i>

Common Name	Species
rainbow seaperch	<i>Hypsurus caryi</i>
rex sole	<i>Glyptocephalus zachirus</i>
rockfish	<i>Sebastes sp</i>
rosy rockfish	<i>Sebastes rosaceus</i>
roughback sculpin	<i>Chitonotus pugetensis</i>
round stingray	<i>Urobatis halleri</i>
rubberlip seaperch	<i>Rhacochilus toxotes</i>
sablefish	<i>Anoplopoma fimbria</i>
salema	<i>Xenistius californiensis</i>
sandpaper skate	<i>Bathyraja interrupta</i>
shiner perch	<i>Cymatogaster aggregata</i>
shortbelly rockfish	<i>Sebastes jordani</i>
shortspine combfish	<i>Zaniolepis frenata</i>
shortspine thornyhead	<i>Sebastolobus alascanus</i>
shovelnose guitarfish	<i>Rhinobatos productus</i>
silver hachetfish	<i>Argyropelecus lychnus</i>
slender barracudina	<i>Lestidiops ringens</i>
slender hatchetfish	<i>Argyropelecus affinis</i>
slender sole	<i>Lyopsetta exilis</i>
slough anchovy	<i>Anchoa delicatissima</i>
smootheye poacher	<i>Xeneretmus leiops</i>
southern spearnose poacher	<i>Agonopsis sterletus</i>
speckled sanddab	<i>Citharichthys stigmaeus</i>
specklefin midshipman	<i>Porichthys myriaster</i>
spiny dogfish	<i>Squalus acanthias</i>
splitnose rockfish	<i>Sebastes diploproa</i>
spotfin croaker	<i>Roncador stearnsii</i>
spotfin sculpin	<i>Icelinus tenuis</i>
spotted cusk-eel	<i>Chilara taylori</i>
spotted kelpfish	<i>Gibbonsia elegans</i>
spotted ratfish	<i>Hydrolagus colliei</i>
spotted sand bass	<i>Paralabrax maculatofasciatus</i>
spotted turbot	<i>Pleuronichthys ritteri</i>
squarespot rockfish	<i>Sebastes hopkinsi</i>
striped kelpfish	<i>Gibbonsia metzi</i>
stripetail rockfish	<i>Sebastes saxicola</i>
thornback	<i>Platyrrhoidis triseriata</i>
vermilion rockfish	<i>Sebastes miniatus</i>
white croaker	<i>Genyonemus lineatus</i>
white seaperch	<i>Phanerodon furcatus</i>
yellowchin sculpin	<i>Icelinus quadriseriatus</i>
yellowfin croaker	<i>Umbrina roncadore</i>

Appendix G-3. Invertebrate Species Alphabetized by Species Name. Megabenthic invertebrates collected at depths of 2-484 m on the southern California shelf and upper slope, July-October 2008.

Species	Common Name
<i>Abietenaria inconstans</i>	hydroid
<i>Acanthodoris brunnea</i>	brown spiny doris
<i>Acanthoptilum</i> sp	trailtip sea pen
<i>Actinostola</i> sp	anemone
<i>Actinostola</i> sp A	anemone
<i>Aglaophenia struthionides</i>	ostrichplume hydroid
ALCYONACEA	soft corals
<i>Amathia distans</i>	moss animal
<i>Amphichondrius granulatus</i>	roughdisk brittlestar
<i>Amphiodia psara</i>	brittlestar
<i>Ancula gibbosa</i>	Atlantic ancula
<i>Anthoptilum grandiflorum</i>	feather boa sea pen
<i>Antiplanes catalinae</i>	Catalina turrid
<i>Antiplanes thalea</i>	turrid
<i>Aphrocallistes vastus</i>	cloud sponge
<i>Aphrodita armifera</i>	copper sea mouse
<i>Aphrodita castanea</i>	chestnut sea mouse
<i>Aphrodita japonica</i>	Japanese sea mouse
<i>Arctonoe pulchra</i>	seastar worm
<i>Arcularia tiarula</i>	western mud nassa
<i>Armina californica</i>	California armina
<i>Asteronyx longifissus</i>	brittlestar
<i>Astropecten armatus</i>	spiny sand star
<i>Astropecten ornatissimus</i>	orange sand star
<i>Astropecten verrilli</i>	California sand star
<i>Babelomurex oldroydi</i>	Oldroyd's coralsnail
<i>Barbarofusus barbarensis</i>	Santa Barbara spindle
<i>Boreotrophon bentleyi</i>	trophon
<i>Boreotrophon eucymatus</i>	grooved trophon
<i>Brisaster latifrons</i>	northern heart urchin
<i>Brisaster</i> sp	heart urchin
<i>Brisaster townsendi</i>	southern heart urchin
<i>Brissopsis pacifica</i>	Pacific heart urchin
<i>Brissopsis</i> sp LA 1	hybrid heart urchin
<i>Bugula neritina</i>	seaweed moss animal
<i>Bulla gouldiana</i>	California bubble
<i>Caesia fossatus</i>	channeled nassa
<i>Caesia perpinguis</i>	fat western nassa
<i>Calinaticina oldroydii</i>	delicate moonsnail
<i>Callianopsis goniophthalma</i>	slope ghost shrimp
<i>Calliostoma platinum</i>	silvery topsnail
<i>Calliostoma turbinum</i>	spindle topsnail
<i>Cancellaria crawfordiana</i>	Crawford nutmeg

Species	Common Name
<i>Cancer productus</i>	Pacific rock crab
Cancridae	cancer crabs
Caridea	shrimp
<i>Cellaria diffusa</i>	moss animal
<i>Chorilia longipes</i>	longhorn decorator crab
<i>Cliona californiana</i>	sponge
<i>Conus californicus</i>	California cone
<i>Corynactis californica</i>	strawberry corallimorpharian
<i>Crangon alaskensis</i>	Alaska bay shrimp
<i>Crangon nigromaculata</i>	blackspotted bay shrimp
<i>Cranopsis multistriata</i>	keyhole limpet
<i>Crisia occidentalis</i>	moss animal
<i>Cystodytes lobatus</i>	lobed tunicate
<i>Dendraster excentricus</i>	Pacific sand dollar
<i>Dendrobeania curvirostris</i>	moss animal
<i>Dendronotus frondosus</i>	frond-aeolis
<i>Dendronotus iris</i>	giant frond-aeolis
<i>Diaulula sandiegensis</i>	ringed doris
<i>Doriopsilla spaldingi</i>	Spalding's doris
<i>Doryteuthis opalescens</i>	California market squid
<i>Dromalia alexandri</i>	sea dandelion
<i>Dysidea fragilis</i>	sponge
<i>Enallopaguropsis guatemoci</i>	right-handed hermit
<i>Epitonium sawinae</i>	wentletrap
<i>Epizoanthus leptoderma</i>	thin skinned zoanthid
<i>Eudendrium</i> sp	hydroid
<i>Eugorgia rubens</i>	purple gorgonian
<i>Farfantepenaeus californiensis</i>	yellowleg shrimp
<i>Flabellina iodinea</i>	Spanish shawl
<i>Florometra serratissima</i>	feather star
<i>Geodia gibberosa</i>	white puffball sponge
<i>Glyptolithodes cristatipes</i>	crested leg box crab
Goniasteridae	sea star
<i>Gorgonocephalus eucnemis</i>	basket star
<i>Halecium</i> sp	hydroid
<i>Halipteris californica</i>	sea pen
<i>Hamatoscalpellum californicum</i>	California blade barnacle
<i>Haminoea vesicula</i>	blister glassy-bubble
<i>Havelockia benti</i>	sea cucumber
<i>Hemisquilla californiensis</i>	blueleg mantis shrimp
<i>Henricia leviuscula</i>	blood star
<i>Heptacarpus palpator</i>	intertidal coastal shrimp
<i>Heptacarpus</i> sp	coastal shrimp
<i>Heptacarpus stimpsoni</i>	Stimpson coastal shrimp
<i>Heptacarpus tenuissimus</i>	slender coastal shrimp
<i>Heterocrypta occidentalis</i>	sandflat elbow crab

Species	Common Name
<i>Hinea insculpta</i>	smooth western nassa
<i>Hippasteria spinosa</i>	spiny red star
Hydrozoa	hydroid
<i>Janetogalatea californiensis</i>	California squat lobster
<i>Kelletia kelletii</i>	Kellet whelk
<i>Lamellaria diegoensis</i>	San Diego lamellaria
<i>Laqueus californianus</i>	California lamp shell
<i>Leptogorgia chilensis</i>	pink sea whip
<i>Liponema brevicornis</i>	tentacle-shedding anemone
<i>Lopholithodes foraminatus</i>	brown box crab
<i>Lovenia cordiformis</i>	sea porcupine
<i>Loxorhynchus crispatus</i>	moss crab
<i>Loxorhynchus grandis</i>	sheep crab
<i>Loxorhynchus</i> sp	decorator crab
<i>Luidia armata</i>	mosaic sand star
<i>Luidia asthenosoma</i>	fringed sand star
<i>Luidia foliolata</i>	gray sand star
<i>Luidia</i> sp	sand star
<i>Lytechinus pictus</i>	white sea urchin
<i>Mediaster aequalis</i>	red sea star
<i>Megasurcula carpenteriana</i>	tower snail
<i>Melibe leonina</i>	lion nudibranch
<i>Metacarcinus anthonyi</i>	yellow rock crab
<i>Metacarcinus gracilis</i>	graceful rock crab
<i>Metacrangon spinosissima</i>	southern spinyhead
<i>Metridium farcimen</i>	gigantic anemone
<i>Mitra idae</i>	half-pitted miter
<i>Moloha faxoni</i>	Pacific carrier crab
<i>Munida hispida</i>	prickly squat lobster
<i>Muricea californica</i>	golden gorgonian
<i>Musculista senhousia</i>	mat mussel
<i>Myxoderma platyacanthum</i>	sea star
<i>Navanax inermis</i>	California aglaja
<i>Neocrangon communis</i>	gray shrimp
<i>Neocrangon resima</i>	flagnose bay shrimp
<i>Neocrangon</i> sp	shrimp
<i>Neocrangon zacaе</i>	moustache bay shrimp
<i>Neosimnia barbarentis</i>	seapen spindlesnail
<i>Neosimnia loebbeckeana</i>	Loebbeck's simnia
<i>Nymphon pixellae</i>	sea spider
<i>Ocinebrina foveolata</i>	dim rocksnail
<i>Octopus californicus</i>	orange bigeye octopus
<i>Octopus rubescens</i>	red octopus
<i>Odontaster crassus</i>	toothed sea star
<i>Ophiacantha diplasia</i>	brittlestar
<i>Ophionereis eurybrachioplax</i>	brittlestar

Species	Common Name
<i>Ophiopholis bakeri</i>	roughspine brittlestar
<i>Ophiothrix spiculata</i>	Pacific spiny brittlestar
<i>Ophiura luetkenii</i>	brokenspine brittlestar
<i>Opisthoteuthis</i> sp A	orange ghost octopus
<i>Orthopagurus minimus</i>	toothshell hermit
<i>Pachythyone rubra</i>	sea cucumber
<i>Paguristes bakeri</i>	digger hermit
<i>Paguristes turgidus</i>	slenderclaw hermit
<i>Paguristes ulreyi</i>	furry hermit
<i>Pagurus quaylei</i>	Quayle's hermit
<i>Pagurus redondoensis</i>	bandclaw hermit
<i>Pagurus spilocarpus</i>	spotwrist hermit
<i>Pandalidae</i>	shrimp
<i>Pandalus danae</i>	dock shrimp
<i>Pandalus jordani</i>	ocean shrimp
<i>Pandalus platyceros</i>	spot shrimp
<i>Pannychia moseleyi</i>	pedicelled sea cucumber
<i>Panulirus interruptus</i>	California spiny lobster
<i>Paracyathus stearnsii</i>	brown cup coral
<i>Paralithodes californiensis</i>	California king crab
<i>Paralithodes rathbuni</i>	Rathbun's king crab
<i>Parapagurus benedicti</i>	hermit crab
<i>Parastichopus californicus</i>	California sea cucumber
<i>Parastichopus leucothele</i>	sea cucumber
<i>Parastichopus parvimensis</i>	warty sea cucumber
<i>Parastichopus</i> sp	sea cucumber
<i>Parastichopus</i> sp A	flimsy sea cucumber
<i>Parastichopus</i> sp LA2	sea cucumber
<i>Parastichopus</i> sp SD1	sea cucumber
<i>Pennatula californica</i>	sea pen
<i>Pentamera pseudocalcigera</i>	globose hooked cucumber
<i>Pentamera</i> sp	sea cucumber
<i>Philine alba</i>	white paperbubble
<i>Philine auriformis</i>	New Zealand paperbubble
<i>Pilumnus spinohirsutus</i>	retiring hairy crab
<i>Pisaster brevispinus</i>	shortspined sea star
<i>Pisaster giganteus capitatus</i>	giant spined star
<i>Platydoris macfarlandi</i>	California flat doris
<i>Platymera gaudichaudii</i>	armed box crab
<i>Pleurobranchaea californica</i>	California sea slug
<i>Plumularia setacea</i>	seabristle
<i>Podochela hemphillii</i>	Hemphill kelp crab
<i>Podochela lobifrons</i>	thinbeak neck crab
<i>Polycera atra</i>	black doris
<i>Polyonyx quadriungulatus</i>	western tube crab
<i>Portunus xantusii</i>	Xantus' swimming crab

Species	Common Name
<i>Promartynia (tegula) pulligo</i>	dusky turban
<i>Pseudarchaster pusillus</i>	sea star
<i>Pteropurpura festiva</i>	festive murex
<i>Ptilosarcus gurneyi</i>	fleshy sea pen
<i>Pugettia producta</i>	northern kelp crab
<i>Pugettia richii</i>	cryptic kelp crab
<i>Pycnopodia helianthoides</i>	sunflower star
<i>Pyromaia tuberculata</i>	tuberculate pear crab
<i>Randallia ornata</i>	globose sand crab
<i>Rathbunaster californicus</i>	California sun star
<i>Renilla koellikeri</i>	purple sea pansy
<i>Rhynocrangon alata</i>	saddleback shrimp
<i>Rocinela angustata</i>	fish louse
<i>Romaleon branneri</i>	furrowed rock crab
<i>Romaleon jordani</i>	hairy rock crab
<i>Rossia pacifica</i>	eastern Pacific bobtail
<i>Schmittius politus</i>	polished mantis shrimp
<i>Sicyonia ingentis</i>	ridgeback rock shrimp
<i>Sicyonia penicillata</i>	target rock shrimp
<i>Silicea</i> sp OC1	sponge
<i>Silicea</i> sp WS1	burgandy bay sponge
<i>Spatangoida</i>	heart urchin
<i>Spatangus californicus</i>	California heart urchin
<i>Spirontocaris holmesi</i>	slender blade shrimp
<i>Spirontocaris sica</i>	offshore blade shrimp
<i>Spirontocaris</i> sp	blade shrimp
<i>Stachyptilum superbum</i>	sea pen
<i>Stephanauge annularis</i>	signet ring anemone
<i>Stephanauge</i> sp A	anemone
<i>Strongylocentrotus fragilis</i>	fragile sea urchin
<i>Strongylocentrotus purpuratus</i>	Pacific purple urchin
<i>Styela</i> sp	sea squirt
<i>Stylasterias forreri</i>	fish-eating star
<i>Stylatula elongata</i>	slender sea pen
<i>Suberites latus</i>	hermitcrab sponge
<i>Telesto californica</i>	soft coral
<i>Terebratalia transversa</i>	red lamp shell
<i>Thalamoporella californica</i>	chambered moss animal
<i>Thesea</i> sp	sea twig
<i>Thesea</i> sp B	yellow sea twig
<i>Thrissacanthias penicillatus</i>	slope sand star
<i>Tochuina tetraquetra</i>	giant orange tochni
<i>Triopha maculata</i>	maculated triopha
<i>Tritonia diomedea</i>	rosy tritonia
<i>Virgularia agassizii</i>	sea pen
<i>Virgularia californica</i>	California sea pen
<i>Virgularia</i> sp	sea pen
<i>Xestospongia edapha</i>	sponge

Appendix G-4. Invertebrate Species Alphabetized by Common Name. Megabenthic invertebrates collected at depths of 2-484 m on the southern California shelf and upper slope, July-October 2008.

Common Name	Species
Alaska bay shrimp	<i>Crangon alaskensis</i>
anemone	<i>Actinostola</i> sp
anemone	<i>Actinostola</i> sp A
anemone	<i>Stephanauge</i> sp A
armed box crab	<i>Platymera gaudichaudii</i>
Atlantic ancula	<i>Ancula gibbosa</i>
bandclaw hermit	<i>Pagurus redondoensis</i>
basket star	<i>Gorgonocephalus eucnemis</i>
black doris	<i>Polycera atra</i>
blackspotted bay shrimp	<i>Crangon nigromaculata</i>
blade shrimp	<i>Spirontocaris</i> sp
blister glassy-bubble	<i>Haminoea vesicula</i>
blood star	<i>Henricia leviuscula</i>
blueleg mantis shrimp	<i>Hemisquilla californiensis</i>
brittlestar	<i>Amphiodia psara</i>
brittlestar	<i>Asteronyx longifissus</i>
brittlestar	<i>Ophiacantha diplasia</i>
brittlestar	<i>Ophionereis eurybrachioplax</i>
brokenspine brittlestar	<i>Ophiura luetkenii</i>
brown box crab	<i>Lopholithodes foraminatus</i>
brown cup coral	<i>Paracyathus stearnsii</i>
brown spiny doris	<i>Acanthodoris brunnea</i>
burgandy bay sponge	<i>Silicea</i> sp WS1
California aglaja	<i>Navanax inermis</i>
California armina	<i>Armina californica</i>
California blade barnacle	<i>Hamatoscalpellum californicum</i>
California bubble	<i>Bulla gouldiana</i>
California cone	<i>Conus californicus</i>
California flat doris	<i>Platydoris macfarlandi</i>
California heart urchin	<i>Spatangus californicus</i>
California king crab	<i>Paralithodes californiensis</i>
California lamp shell	<i>Laqueus californianus</i>
California market squid	<i>Doryteuthis opalescens</i>
California sand star	<i>Astropecten verilli</i>
California sea cucumber	<i>Parastichopus californicus</i>
California sea pen	<i>Virgularia californica</i>
California sea slug	<i>Pleurobranchaea californica</i>
California spiny lobster	<i>Panulirus interruptus</i>
California squat lobster	<i>Janetogalatea californiensis</i>
California sun star	<i>Rathbunaster californicus</i>
cancer crabs	Cancriidae
Catalina turrid	<i>Antiplanes catalinae</i>
chambered moss animal	<i>Thalamoporella californica</i>
channeled nassa	<i>Caesia fossatus</i>

Common Name	Species
chestnut sea mouse	<i>Aphrodita castanea</i>
cloud sponge	<i>Aphrocallistes vastus</i>
coastal shrimp	<i>Heptacarpus</i> sp
copper sea mouse	<i>Aphrodita armifera</i>
Crawford nutmeg	<i>Cancellaria crawfordiana</i>
crested leg box crab	<i>Glyptolithodes cristatipes</i>
cryptic kelp crab	<i>Pugettia richii</i>
decorator crab	<i>Loxorhynchus</i> sp
delicate moonsnail	<i>Calinaticina oldroydii</i>
digger hermit	<i>Paguristes bakeri</i>
dim rocksnail	<i>Ocinebrina foveolata</i>
dock shrimp	<i>Pandalus danae</i>
dusky turban	<i>Promartynia (tegula) pulligo</i>
eastern Pacific bobtail	<i>Rossia pacifica</i>
fat western nassa	<i>Caesia perpinguis</i>
feather boa sea pen	<i>Anthoptilum grandiflorum</i>
feather star	<i>Florometra serratissima</i>
festive murex	<i>Pteropurpura festiva</i>
fish louse	<i>Rocinela angustata</i>
fish-eating star	<i>Stylasterias forreri</i>
flagnose bay shrimp	<i>Neocrangon resima</i>
fleshy sea pen	<i>Ptilosarcus gurneyi</i>
flimsy sea cucumber	<i>Parastichopus</i> sp A
fragile sea urchin	<i>Strongylocentrotus fragilis</i>
fringed sand star	<i>Luidia asthenosoma</i>
frond-aeolis	<i>Dendronotus frondosus</i>
furrowed rock crab	<i>Romaleon branneri</i>
furry hermit	<i>Paguristes ulreyi</i>
giant frond-aeolis	<i>Dendronotus iris</i>
giant orange tochni	<i>Tochuina tetraquetra</i>
giant spined star	<i>Pisaster giganteus capitatus</i>
gigantic anemone	<i>Metridium farcimen</i>
globose hooked cucumber	<i>Pentamera pseudocalcigera</i>
globose sand crab	<i>Randallia ornata</i>
golden gorgonian	<i>Muricea californica</i>
graceful rock crab	<i>Metacarcinus gracilis</i>
gray sand star	<i>Luidia foliolata</i>
gray shrimp	<i>Neocrangon communis</i>
grooved trophon	<i>Boreotrophon eucymatus</i>
hairy rock crab	<i>Romaleon jordani</i>
half-pitted miter	<i>Mitra idae</i>
heart urchin	<i>Brisaster</i> sp
heart urchin	<i>Spatangoida</i>
Hemphill kelp crab	<i>Podochela hemphillii</i>
hermit crab	<i>Parapagurus benedicti</i>
hermitcrab sponge	<i>Suberites latus</i>
hybrid heart urchin	<i>Brissopsis</i> sp LA 1

Common Name	Species
hydroid	<i>Abietenaria inconstans</i>
hydroid	<i>Eudendrium</i> sp
hydroid	<i>Halecium</i> sp
hydroid	Hydrozoa
intertidal coastal shrimp	<i>Heptacarpus palpator</i>
Japanese sea mouse	<i>Aphrodita japonica</i>
Kellet whelk	<i>Kelletia kelletii</i>
keyhole limpet	<i>Cranopsis multistriata</i>
lion nudibranch	<i>Melibe leonina</i>
lobed tunicate	<i>Cystodytes lobatus</i>
Loebbeck's simnia	<i>Neosimnia loebbeckeana</i>
longhorn decorator crab	<i>Chorilia longipes</i>
maculated triopha	<i>Triopha maculata</i>
mat mussel	<i>Musculista senhousia</i>
mosaic sand star	<i>Luidia armata</i>
moss animal	<i>Amathia distans</i>
moss animal	<i>Cellaria diffusa</i>
moss animal	<i>Crisia occidentalis</i>
moss animal	<i>Dendrobeania curvirostris</i>
moss crab	<i>Loxorhynchus crispatus</i>
moustache bay shrimp	<i>Neocrangon zaca</i>
New Zealand paperbubble	<i>Philine auriformis</i>
northern heart urchin	<i>Brisaster latifrons</i>
northern kelp crab	<i>Pugettia producta</i>
ocean shrimp	<i>Pandalus jordani</i>
offshore blade shrimp	<i>Spirontocaris sica</i>
Oldroyd's coralsnail	<i>Babelomurex oldroydi</i>
orange bigeye octopus	<i>Octopus californicus</i>
orange ghost octopus	<i>Opisthoteuthis</i> sp A
orange sand star	<i>Astropecten ornatissimus</i>
ostrichplume hydroid	<i>Aglaophenia struthionides</i>
Pacific carrier crab	<i>Moloha faxoni</i>
Pacific heart urchin	<i>Brissopsis pacifica</i>
Pacific purple urchin	<i>Strongylocentrotus purpuratus</i>
Pacific rock crab	<i>Cancer productus</i>
Pacific sand dollar	<i>Dendraster excentricus</i>
Pacific spiny brittlestar	<i>Ophiothrix spiculata</i>
pedicelled sea cucumber	<i>Pannychia moseleyi</i>
pink sea whip	<i>Leptogorgia chilensis</i>
polished mantis shrimp	<i>Schmittius politus</i>
prickly squat lobster	<i>Munida hispida</i>
purple gorgonian	<i>Eugorgia rubens</i>
purple sea pansy	<i>Renilla koellikeri</i>
Quayle's hermit	<i>Pagurus quaylei</i>
Rathbun's king crab	<i>Paralithodes rathbuni</i>
red lamp shell	<i>Terebratalia transversa</i>
red octopus	<i>Octopus rubescens</i>

Common Name	Species
red sea star	<i>Mediaster aequalis</i>
retiring hairy crab	<i>Pilumnus spinohirsutus</i>
ridgeback rock shrimp	<i>Sicyonia ingentis</i>
right-handed hermit	<i>Enallopaguroopsis guatemoci</i>
ringed doris	<i>Diaulula sandiegensis</i>
rosy tritonia	<i>Tritonia diomedea</i>
roughdisk brittlestar	<i>Amphichondrius granulatus</i>
roughspine brittlestar	<i>Ophiopholis bakeri</i>
saddleback shrimp	<i>Rhynocrangon alata</i>
San Diego lamellaria	<i>Lamellaria diegoensis</i>
sand star	<i>Luidia</i> sp
sandflat elbow crab	<i>Heterocrypta occidentalis</i>
Santa Barbara spindle	<i>Barbarofusus barbarensis</i>
sea cucumber	<i>Havelockia bentii</i>
sea cucumber	<i>Pachythyone rubra</i>
sea cucumber	<i>Parastichopus leucothele</i>
sea cucumber	<i>Parastichopus</i> sp
sea cucumber	<i>Parastichopus</i> sp LA2
sea cucumber	<i>Parastichopus</i> sp SD1
sea cucumber	<i>Pentamera</i> sp
sea dandelion	<i>Dromalia alexandri</i>
sea pen	<i>Halipteris californica</i>
sea pen	<i>Pennatula californica</i>
sea pen	<i>Stachyptilum superbum</i>
sea pen	<i>Virgularia agassizii</i>
sea pen	<i>Virgularia</i> sp
sea porcupine	<i>Lovenia cordiformis</i>
sea spider	<i>Nymphon pixellae</i>
sea squirt	<i>Styela</i> sp
sea star	<i>Goniasteridae</i>
sea star	<i>Myxoderma platyacanthum</i>
sea star	<i>Pseudarchaster pusillus</i>
sea twig	<i>Thesea</i> sp
seabristle	<i>Plumularia setacea</i>
seapen spindlesnail	<i>Neosimnia barbarensis</i>
seastar worm	<i>Arctonoe pulchra</i>
seaweed moss animal	<i>Bugula neritina</i>
sheep crab	<i>Loxorhynchus grandis</i>
shortspined sea star	<i>Pisaster brevispinus</i>
shrimp	Caridea
shrimp	<i>Neocrangon</i> sp
shrimp	<i>Pandalidae</i>
signet ring anemone	<i>Stephanauge annularis</i>
silvery topsnail	<i>Calliostoma platinum</i>
slender blade shrimp	<i>Spirontocaris holmesi</i>
slender coastal shrimp	<i>Heptacarpus tenuissimus</i>
slender sea pen	<i>Stylatula elongata</i>

Common Name	Species
slenderclaw hermit	<i>Paguristes turgidus</i>
slope ghost shrimp	<i>Callianopsis goniophthalma</i>
slope sand star	<i>Thrissacanthias penicillatus</i>
smooth western nassa	<i>Hinea inculpta</i>
soft coral	<i>Telesto californica</i>
soft corals	ALCYONACEA
southern heart urchin	<i>Brisaster townsendi</i>
southern spinyhead	<i>Metacrangon spinosissima</i>
Spalding's doris	<i>Doriopsilla spaldingi</i>
Spanish shawl	<i>Flabellina iodinea</i>
spindle topsnail	<i>Calliostoma turbinum</i>
spiny red star	<i>Hippasteria spinosa</i>
spiny sand star	<i>Astropecten armatus</i>
sponge	<i>Cliona californiana</i>
sponge	<i>Dysidea fragilis</i>
sponge	<i>Silicea</i> sp OC1
sponge	<i>Xestospongia edapha</i>
spot shrimp	<i>Pandalus platyceros</i>
spotwrist hermit	<i>Pagurus spilocarpus</i>
Stimpson coastal shrimp	<i>Heptacarpus stimpsoni</i>
strawberry corallimorpharian	<i>Corynactis californica</i>
sunflower star	<i>Pycnopodia helianthoides</i>
target rock shrimp	<i>Sicyonia penicillata</i>
tentacle-shedding anemone	<i>Liponema brevicornis</i>
thin skinned zoanthid	<i>Epizoanthus leptoderma</i>
thinbeak neck crab	<i>Podochela lobifrons</i>
toothed sea star	<i>Odontaster crassus</i>
toothshell hermit	<i>Orthopagurus minimus</i>
tower snail	<i>Megasurcula carpenteriana</i>
trailtip sea pen	<i>Acanthoptilum</i> sp
trophon	<i>Boreotrophon bentleyi</i>
tuberculate pear crab	<i>Pyromaia tuberculata</i>
turrid	<i>Antiplanes thalea</i>
warty sea cucumber	<i>Parastichopus parvimensis</i>
wentletrap	<i>Epitonium sawinae</i>
western mud nassa	<i>Arcularia tiarula</i>
western tube crab	<i>Polyonyx quadriungulatus</i>
white paperbubble	<i>Philine alba</i>
white puffball sponge	<i>Geodia gibberosa</i>
white sea urchin	<i>Lytechinus pictus</i>
Xantus' swimming crab	<i>Portunus xantusii</i>
yellow rock crab	<i>Metacarcinus anthonyi</i>
yellow sea twig	<i>Thesea</i> sp B
yellowleg shrimp	<i>Farfantepenaeus californiensis</i>