

## **APPENDIX N**

### **Non-Target Species List Compiled from RACEBASE**

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**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 1 BSAI Forage Category**

	<b>Scientific name</b>	<b>Common name</b>
50 species codes	<i>Ammodytes hexapterus</i>	Pacific sand lance
	Bathylagidae unident.	deepsea smelt unident.
	<i>Bathylagus pacificus</i>	Pacific blacksmelt
	<i>Bathylagus</i> sp.	blacksmelt unident.
	<i>Bathylagus milleri</i>	robust blacksmelt
	<i>Leuroglossus schmidti</i>	northern smoothtongue
	<i>Bathylagus ochotensis</i>	popeye blacksmelt
	<i>Leuroglossus stilbius</i>	California smoothtongue
	<i>Trichodon trichodon</i>	Pacific sandfish
	Gonostomatidae	bristlemouth unident.
	<i>Cyclothone</i> sp.	
	<i>Cyclothone acclinidens</i>	benttooth bristlemouth
	Sternoptychidae unident.	hatchetfish unident.
	Myctophidae	lanternfish unident.
	<i>Stenobranchius</i> sp.	
	<i>Stenobranchius leucopsarus</i>	northern lampfish
	<i>Stenobranchius nannochir</i>	garnet lampfish
	<i>Diaphus</i> sp.	
	<i>Diaphus theta</i>	California headlightfish
	<i>Lampanyctus</i> sp.	
	<i>Lampanyctus ritteri</i>	broadfin lanternfish
	<i>Lampanyctus regalis</i>	pinpoint lampfish
	<i>Lampanyctus jordani</i>	brokenline lampfish
	<i>Hygophum reinhardtii</i>	slender lanternfish
	<i>Protomyctophum</i> sp.	
	<i>Protomyctophum thompsoni</i>	northern flashlightfish
	<i>Symbolophorus californiensis</i>	California lanternfish
	Osmeridae	smelt unident.
	<i>Thaleichthys pacificus</i>	eulachon
	<i>Mallotus villosus</i>	capelin
	<i>Osmerus mordax</i>	rainbow smelt
	<i>Hypomesus olidus</i>	pond smelt
	Stichaeidae	prickleback unident.
	<i>Lumpenus</i> sp.	
	<i>Eumesogrammus praecisus</i>	fourline snakeblenny
	<i>Stichaeus punctatus</i>	Arctic shanny
	<i>Lumpenus maculatus</i>	daubed shanny
	<i>Lumpenus medius</i>	stout eelblenny
	<i>Lumpenus fabricii</i>	slender eelblenny
	<i>Lumpenus sagitta</i>	snake prickleback
<i>Acantholumpenus mackayi</i>	pighead prickleback	
<i>Lumpenella longirostris</i>	longsnout prickleback	
<i>Chirolophis</i> sp.		
<i>Chirolophis decoratus</i>	decorated warbonnet	
<i>Chirolophis snyderi</i>	bearded warbonnet	
<i>Poroclinus rothrocki</i>	whitebarred prickleback	
<i>Chirolophis nugator</i>	mosshead warbonnet	
<i>Bryozoichthys lysimus</i>	nutcracker prickleback	
<i>Bryozoichthys marjorius</i>	pearly prickleback	
Pholidae	gunnel unident.	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 2 GOA Forage Category**

	<b>Scientific name</b>	<b>Common name</b>
54 species codes	<i>Ammodytes hexapterus</i>	Pacific sand lance
	Bathylagidae unident.	deepsea smelt unident.
	<i>Bathylagus pacificus</i>	Pacific blacksmelt
	<i>Bathylagus</i> sp.	blacksmelt unident.
	<i>Bathylagus milleri</i>	robust blacksmelt
	<i>Leuroglossus schmidti</i>	northern smoothtongue
	<i>Bathylagus ochotensis</i>	popeye blacksmelt
	<i>Leuroglossus</i> sp.	
	<i>Leuroglossus stilbius</i>	California smoothtongue
	<i>Trichodon trichodon</i>	Pacific sandfish
	Gonostomatidae	bristlemouth unident.
	<i>Cyclothone</i> sp.	
	<i>Argyropelecus</i> sp.	
	<i>Argyropelecus lychnus</i>	tropical hatchetfish
	Myctophidae	lanternfish unident.
	<i>Stenobranchius</i> sp.	
	<i>Stenobranchius leucopsarus</i>	northern lampfish
	<i>Stenobranchius nannochir</i>	garnet lampfish
	<i>Diaphus</i> sp.	
	<i>Diaphus theta</i>	California headlightfish
	<i>Lampanyctus</i> sp.	
	<i>Lampanyctus ritteri</i>	broadfin lanternfish
	<i>Lampanyctus regalis</i>	pinpoint lampfish
	<i>Lampanyctus jordani</i>	brokenline lampfish
	<i>Notoscopelus resplendens</i>	patchwork lampfish
	<i>Protomyctophum</i> sp.	
	<i>Protomyctophum thompsoni</i>	northern flashlightfish
	Osmeridae	smelt unident.
	<i>Thaleichthys pacificus</i>	eulachon
	<i>Hypomesus pretiosus</i>	surf smelt
	<i>Allosmerus elongatus</i>	whitebait smelt
	<i>Mallotus villosus</i>	capelin
	<i>Osmerus mordax</i>	rainbow smelt
	<i>Spirinchus starksi</i>	night smelt
<i>Spirinchus thaleichthys</i>	longfin smelt	
Stichaeidae	prickleback unident.	
<i>Lumpenus</i> sp.		
<i>Stichaeus punctatus</i>	Arctic shanny	
<i>Lumpenus maculatus</i>	daubed shanny	
<i>Lumpenus fabricii</i>	slender eelblenny	
<i>Lumpenus sagitta</i>	snake prickleback	
<i>Acantholumpenus mackayi</i>	pighead prickleback	
<i>Lumpenella longirostris</i>	longsnout prickleback	
<i>Chirolophis</i> sp.		
<i>Chirolophis decoratus</i>	decorated warbonnet	
<i>Chirolophis snyderi</i>	bearded warbonnet	
<i>Poroclinus rothroeki</i>	whitebarred prickleback	
<i>Chirolophis nugator</i>	mosshead warbonnet	
<i>Bryozoichthys lysimus</i>	nutcracker prickleback	
<i>Bryozoichthys marjorius</i>	pearly prickleback	
<i>Bryozoichthys</i> sp.		

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 2 (con't) GOA Forage Category**

<b>Scientific name</b>	<b>Common name</b>
Pholidae	gunnel unident.
Pholis sp.	
Pholis laeta	crescent gunnel

**Table 3 BSAI Prohibited Category**

<b>Scientific name</b>	<b>Common name</b>
Hippoglossus stenolepis	Pacific halibut
Clupea pallasii	Pacific herring
Salmonidae	salmon and trouts unident.
Oncorhynchus tshawytscha	chinook salmon
Oncorhynchus kisutch	coho salmon
Oncorhynchus gorbuscha	pink salmon
Oncorhynchus keta	chum salmon
Oncorhynchus nerka	sockeye salmon
Oncorhynchus mykiss	steelhead
Chionoecetes sp.	tanner crab unident.
Chionoecetes tanneri	grooved Tanner crab
Chionoecetes bairdi	Tanner crab
Chionoecetes angulatus	triangle Tanner crab
Chionoecetes opilio	narrow snow crab(=tanner crab(opilio))
Chionoecetes hybrid	tanner crab (hybrid)
Lithodes sp.	
Lithodes couesi	
Lithodes aequispina	golden king crab
Paralithodes sp.	
Paralithodes camtschaticus	red king crab
Paralithodes platypus	blue king crab
Paralithodes brevipes	brown king crab

**Table 4 GOA Prohibited Category**

<b>Scientific name</b>	<b>Common name</b>
Hippoglossus stenolepis	Pacific halibut
Clupea pallasii	Pacific herring
Salmonidae	salmon and trouts unident.
Oncorhynchus sp.	salmon unident.
Oncorhynchus tshawytscha	chinook salmon
Oncorhynchus kisutch	coho salmon
Oncorhynchus gorbuscha	pink salmon
Oncorhynchus keta	chum salmon
Oncorhynchus nerka	sockeye salmon
Chionoecetes sp.	tanner crab unident.
Chionoecetes tanneri	grooved Tanner crab
Chionoecetes bairdi	Tanner crab
Chionoecetes angulatus	triangle Tanner crab
Chionoecetes opilio	narrow snow crab(=tanner crab(opilio))
Chionoecetes hybrid	tanner crab (hybrid)
Lithodes sp.	
Lithodes couesi	
Lithodes aequispina	golden king crab
Paralithodes sp.	
Paralithodes camtschaticus	red king crab

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 4 (con't) GOA Prohibited Category**

<b>Scientific name</b>	<b>Common name</b>
Paralithodes platypus	blue king crab
Paralithodes brevipes	brown king crab
Paralithodes californiensis	

**Table 5 BSAI Other Category**

<b>Scientific name</b>	<b>Common name</b>
	shark unident.
Lamna ditropis	salmon shark
Squalus acanthias	spiny dogfish
Somniosus pacificus	Pacific sleeper shark
Rajidae unident.	skate unident.
	skate egg case unident.
Bathyraja sp. egg case	
Raja sp.	
Bathyraja sp.	
Bathyraja spinosissima	white skate
Bathyraja abyssicola	deepsea skate
Raja binoculata	big skate
Bathyraja interrupta	Bering skate
Raja rhina	longnose skate
Raja stellulata	starry skate
Bathyraja taranetzi (=Rhinoraja longii)	mud skate
Bathyraja trachura	black skate
Bathyraja parmifera	Alaska skate
Bathyraja aleutica	Aleutian skate
Bathyraja lindbergi	commander skate
Bathyraja maculata	whiteblotched skate
Bathyraja minispinosa	whitebrow skate
Bathyraja smirnovi	golden skate
Bathyraja violacea	Okhotsk skate
Cottidae	sculpin unident.
Zesticelus profundorum	flabby sculpin
Thyriscus anoplus	sponge sculpin
Icelinus borealis	northern sculpin
Icelinus tenuis	spotfin sculpin
Gymnocanthus sp.	
Gymnocanthus pistilliger	threaded sculpin
Gymnocanthus tricuspis	Arctic staghorn sculpin
Gymnocanthus galeatus	armorhead sculpin
Radulinus asprellus	slim sculpin
Clinocottus acuticeps	sharpnose sculpin
Gymnocanthus detrisus	
Artediellus sp.	
Artediellus micanthus	bride sculpin
Artediellus pacificus	Pacific hookear sculpin
Artediellus scaber	hamecon
Artediellus uncinatus	Arctic hookear sculpin
Bolinia euryptera	
Malacocottus sp.	
Malacocottus kincaidi	blackfin sculpin

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 5 (con't) BSAI Other Category**

<b>Scientific name</b>	<b>Common name</b>
Malacocottus zonurus	darkfin sculpin
Hemilepidotus sp.	Irish lord
Hemilepidotus gilberti	banded Irish lord
Hemilepidotus spinosus	brown Irish lord
Hemilepidotus zapus	longfin Irish lord
Hemilepidotus hemilepidotus	red Irish lord
Hemilepidotus jordani	yellow Irish lord
Hemilepidotus papilio	butterfly sculpin
Archistes plumarius	
Triglops sp.	
Triglops forficata	scissortail sculpin
Triglops metopias	crescent-tail sculpin
Triglops szepticus	spectacled sculpin
Triglops pingeli	ribbed sculpin
Triglops macellus	roughspine sculpin
Microcottus sellaris	brightbelly sculpin
Myoxocephalus verrucosus	warty sculpin
Myoxocephalus niger	warthead sculpin
Myoxocephalus polyacanthocephalus	great sculpin
Myoxocephalus jaok	plain sculpin
Myoxocephalus stelleri	frog sculpin
Myoxocephalus sp.	
Megalocottus platycephalus	belligerent sculpin
Myoxocephalus quadricornis	fourhorn sculpin
Myoxocephalus scorpioides	Arctic sculpin
Leptocottus armatus	Pacific staghorn sculpin
Gilbertidia sigalutes	soft sculpin
Enophrys sp.	
Enophrys bison	buffalo sculpin
Enophrys lucasi	leister sculpin
Enophrys diceraus	antlered sculpin
Dasycottus setiger	spinyhead sculpin
Psychrolutes sp.	
Psychrolutes paradoxus	tadpole sculpin
Psychrolutes phrictus	blob sculpin
Blepsias bilobus	crested sculpin
Nautichthys pribilovius	eyeshade sculpin
Nautichthys oculo-fasciatus	sailfin sculpin
Nautichthys robustus	shortmast sculpin
Hemitripteris bolini	bigmouth sculpin
Hemitripteris villosus	sea raven
Eurymen gyrinus	smoothcheek sculpin
Triglops xenostethus	
Icelus spiniger	thorny sculpin
Icelus canaliculatus	porehead sculpin
Icelus euryops	
Icelus spatula	spatulate sculpin
Icelus uncinialis	uncinate sculpin
Rastrinus scutiger	roughskin sculpin
Jordania zonope	longfin sculpin
Icelus sp.	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 5 (con't) BSAI Other Category**

<b>Scientific name</b>	<b>Common name</b>
Paricelinus hopliticus	thornback sculpin
Cephalopoda unident.	cephalopod unident. cuttlefish unident. octopus unident. pelagic octopus unident.
Octopus leioderma	smoothskin octopus
Opisthoteuthis californiana	flapjack devilfish
Octopus dofleini	giant octopus
Benthoctopus sp.	
Vampyroteuthis infernalis	squid unident.
Rossia pacifica	eastern Pacific bobtail
Loligo opalescens	California market squid
Gonatus sp.	
Gonatus onyx	clawed armhook squid
Berryteuthis magister	magistrate armhook squid
Gonatopsis sp.	
Gonatopsis borealis	boreopacific armhook squid
Moroteuthis robusta	robust clubhook squid
Taonius pavo	

**Table 6 GOA Other Category**

<b>Scientific name</b>	<b>Common name</b>
Chondrichthyes unident.	shark unident. cartilaginous fish unident.
Hexanchus griseus	sixgill shark
Lamna ditropis	salmon shark
Cetorhinus maximus	basking shark
Squalus acanthias	spiny dogfish
Somniosus pacificus	Pacific sleeper shark
Rajidae unident.	skate unident. skate egg case unident.
Bathyraja sp. egg case	
Raja sp. egg case	Raja sp. egg case
Raja sp.	
Bathyraja sp.	
Bathyraja abyssicola	deepsea skate
Raja binocolata	big skate
Bathyraja interrupta	Bering skate
Raja rhina	longnose skate
Raja stellulata	starry skate
Bathyraja taranetzi (=Rhinoraja longii)	mud skate
Bathyraja trachura	black skate
Bathyraja parmifera	Alaska skate
Bathyraja aleutica	Aleutian skate
Bathyraja lindbergi	commander skate
Bathyraja maculata	whiteblotched skate
Bathyraja minispinosa	whitebrow skate
Cottidae	sculpin unident.
Thyriscus anoplus	sponge sculpin
Icelinus oculatus	frogmouth sculpin
Icelinus filamentosus	threadfin sculpin



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**Table 6 (con't) GOA Other Category**

<b>Scientific name</b>	<b>Common name</b>
Icelinus borealis	northern sculpin
Icelinus tenuis	spotfin sculpin
Gymnocanthus sp.	
Gymnocanthus pistilliger	threaded sculpin
Gymnocanthus galeatus	armorhead sculpin
Radulinus asprellus	slim sculpin
Artediellus sp.	
Artediellus pacificus	Pacific hookear sculpin
Malacocottus sp.	
Malacocottus kincaidi	blackfin sculpin
Malacocottus zonurus	darkfin sculpin
Hemilepidotus sp.	Irish lord
Hemilepidotus spinosus	brown Irish lord
Hemilepidotus zapus	longfin Irish lord
Hemilepidotus hemilepidotus	red Irish lord
Hemilepidotus jordani	yellow Irish lord
Hemilepidotus papilio	butterfly sculpin
Triglops sp.	
Triglops forficata	scissortail sculpin
Triglops scepticus	spectacled sculpin
Triglops pingeli	ribbed sculpin
Triglops macellus	roughspine sculpin
Microcottus sellaris	brightbelly sculpin
Artedius lateralis	smoothhead sculpin
Myoxocephalus verrucosus	warty sculpin
Myoxocephalus polyacanthocephalus	great sculpin
Myoxocephalus jaok	plain sculpin
Myoxocephalus stelleri	frog sculpin
Myoxocephalus sp.	
Myoxocephalus quadricornis	fourhorn sculpin
Leptocottus armatus	Pacific staghorn sculpin
Gilbertidia sigalutes	soft sculpin
Enophrys bison	buffalo sculpin
Enophrys diceraus	antlered sculpin
Dasycottus setiger	spinyhead sculpin
Psychrolutes sp.	
Psychrolutes paradoxus	tadpole sculpin
Psychrolutes phrictus	blob sculpin
Blepsias bilobus	crested sculpin
Blepsias cirrhosus	silverspotted sculpin
Nautichthys pribilovius	eyeshade sculpin
Nautichthys oculofasciatus	sailfin sculpin
Rhamphocottus richardsoni	grunt sculpin
Hemitripterus bolini	bigmouth sculpin
Eurymen gyrinus	smoothcheek sculpin
Icelinus burchami	dusky sculpin
Icelus spiniger	thorny sculpin
Icelus euryops	
Icelus spatula	spatulate sculpin
Icelus uncinialis	uncinate sculpin
Jordania zonope	longfin sculpin
Icelus sp.	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 6 (con't) GOA Other Category**

<b>Scientific name</b>	<b>Common name</b>
Paricelinus hopliticus	thornback sculpin
Cephalopoda unident.	cephalopod unident.
	octopus unident.
Octopus leioderma	smoothskin octopus
Opisthoteuthis californiana	flapjack devilfish
Octopus dofleini	giant octopus
Benthoctopus sp.	
Vampyroteuthis infernalis	
	squid unident.
Taningia danae	rhomboid squid
Rossia pacifica	eastern Pacific bobtail
Loligo opalescens	California market squid
Gonatus sp.	
Berryteuthis magister	magistrate armhook squid
Gonatopsis sp.	
Gonatopsis borealis	boreopacific armhook squid
Gonatopsis makko	makko armhook squid
Moroteuthis robusta	robust clubhook squid
Onychoteuthis borealijaponicus	boreal clubhook squid
Taonius pavo	
Histioteuthis sp.	jewel squids
Histioteuthis hoylei (=H. dofleini)	

**Table 7 BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Petromyzontidae	lamprey unident.
Lampetra tridentata	Pacific lamprey
Myxinidae	hagfish unident.
Agonidae	poacher unident.
Pallasina barbata	tubenose poacher
Percis japonicus	dragon poacher
Sarritor leptorhynchus	longnose poacher
Sarritor frenatus	sawback poacher
Agonopsis vulsa	northern spearnose poacher
Odontopyxis trispinosa	pygmy poacher
Bathyagonus sp.	starsnout poacher unident.
Bathyagonus alascanus	gray starsnout
Bathyagonus infraspinatus	spinycheek starsnout
Bathyagonus pentacanthus	bigeye poacher
Bathyagonus nigripinnis	blackfin poacher
Podothecus acipenserinus	sturgeon poacher
Aspidophoroides bartoni	Aleutian alligatorfish
Aspidophoroides olriki	Arctic alligatorfish
Anoplagonus inermis	smooth alligatorfish
Occella verrucosa	warty poacher
Occella dodecaedron	Bering poacher
Hypsagonus quadricornis	fourhorn poacher
Alepocephalidae	slickhead unident.
Alepocephalus tenebrosus	California slickhead
Anarrhichthys ocellatus	wolf-eel
Anarrhichas orientalis	Bering wolffish
Aulorhynchus flavidus	tube-snout
Argentinidae	argentine unident.

812 species codes

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Nansenia candida	bluethroat argentine
Bathymasteridae	ronquill unident.
Ronquillus jordani	northern ronquill
Bathymaster caeruleofasciatus	Alaskan ronquill
Bathymaster signatus	searcher
Bathymaster derjugini	
Rathbunella hypoplecta	smooth ronquill
Ophidiidae	cusck-eel unident.
Ceratiidae unident.	seadevils unident.
Chauliodontidae	viperfish unident.
Chauliodus macouni	Pacific viperfish
Alosa sapidissima	American shad
Macrouridae	grenadier unident.
Coryphaenoides sp.	
Coryphaenoides acrolepis	Pacific grenadier
Albatrossia pectoralis	giant grenadier
Coryphaenoides cinereus	popeye grenadier
Coryphaenoides filifer	filamented grenadier
Coryphaenoides longifilis	
Paralabrax nebulifer	barred sand bass
Kali indica	shortnose swallower
Microgadus proximus	Pacific tomcod
Boreogadus saida	Arctic cod
Moridae	codlings unident.
Antimora microlepis	Pacific flatnose
Laemonema longipes	
Eleginus gracilis	saffron cod
Gasterosteus aculeatus	threespine stickleback
Pungitius pungitius	ninespine stickleback
Hexagrammidae	greenling unident.
Hexagrammos sp.	
Hexagrammos octogrammus	masked greenling
Hexagrammos stelleri	whitespotted greenling
Hexagrammos lagocephalus	rock greenling
Hexagrammos decagrammus	kelp greenling
Zaniolepis frenata	shortspine combfish
Icosteus aenigmaticus	ragfish
Cyclopterinae	lumpsucker unident.
Aptocyclus ventricosus	smooth lumpsucker
Lethotremus muticus	
Eumicrotremus birulai	round lumpsucker
Eumicrotremus orbis	Pacific spiny lumpsucker
Eumicrotremus derjugini	leatherfin lumpsucker
Eumicrotremus andriashevi	pimpled lumpsucker
Eumicrotremus sp.	spiny lumpsuckers
Liparidinae	snailfish unident.
Liparis sp.	
Liparis fucensis	slipskin snailfish
Liparis bristolense	
Liparis dennyi	marbled snailfish
Liparis gibbus	dusky snailfish
Crystallichthys cyclospilus	blotched snailfish

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't)**

**BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Liparis megacephalus	
Liparis pulchellus	showy snailfish
Liparis callyodon	spotted snailfish
Liparis ochotensis	
Liparis cyclopus	ribbon snailfish
Liparis rutteri	ringtail snailfish
Elassodiscus sp.	
Elassodiscus caudatus	humpback snailfish
Elassodiscus tremebundus	
Careproctus sp.	
Careproctus melanurus	blacktail snailfish
Careproctus phasma	monster snailfish
Careproctus cypselurus	blackfin snailfish
Careproctus furcellus	forktail snailfish
Careproctus abbreviatus	
Careproctus scottae	peachskin snailfish
Careproctus gilberti	smalldisk snailfish
Careproctus colletti	Alaska snailfish
Careproctus rastrinus	salmon snailfish
Careproctus ovigerum	abyssal snailfish
Liparis tunicatus	
Careproctus zachirus	
Paraliparis dactylosus	red snailfish
Paraliparis cephalus	swellhead snailfish
Paraliparis sp.	
Nectoliparis pelagicus	tadpole snailfish
Rhinoliparis sp.	
Rhinoliparis attenuatus	slim snailfish
Acantholiparis opercularis	spiny snailfish
Melamphaidae	bigscale unident.
Poromitra crassiceps	crested bigscale
Melamphaes lugubris	highsnout bigscale
Alloctytus folletti	oxeye oreo
Melanostomiidae	scaleless dragonfish unident.
Tactostoma macropus	longfin dragonfish
Caristius macropus	manefish
Merluccius productus	Pacific hake
Nemichthyidae	snipe eel unident.
Oneirodidae	dreamer unident.
Oneirodes sp.	
Oneirodes acanthias	spiny dreamer
Oneirodes thompsoni	
Paralepididae	barracudina unident.
Paralepis atlantica	duckbill barracudina
Lestidiops ringens	slender barracudina
Notolepsis risso	ribbon barracudina
Coregonus laurettae	Bering cisco
Scombridae	mackerel unident.
Cololabis saira	Pacific saury
Benthalbella sp.	
Benthalbella dentata	northern pearleye
Scopelosaurus harryi	scaly paperbone

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Alepisaurus ferox	longnose lancetfish
Sagamichthys abei	shining tubeshoulder
Lyconectes aleutensis	dwarf wrymouth
Cryptacanthodes giganteus	giant wrymouth
Icichthys lockingtoni	medusafish
Trachipterus altivelis	king-of-the-salmon
Dolichopteryx sp.	
Macropinna microstoma	barreleye
Zaprora silenus	prowfish
Zoarcidae	eelpout unident.
Bothrocara brunneum	twoline eelpout
Embryx crotalinus	snakehead eelpout
Lycodes cortezianus	bigfin eelpout
Lycenchelys sp.	
Lycenchelys camchatica	Kamchatka eelpout
Lycodapus fierasfer	blackmouth eelpout
Lycodapus mandibularis	pallid eelpout
Lycodes sp.	
Lycodes rossi	
Lycodes raridens	marbled eelpout
Lycodes palearis	wattled eelpout
Lycodes mucosus	saddled eelpout
Lycodes concolor	ebony eelpout
Lycodes polaris	Canadian eelpout
Lycodes turneri	polar eelpout
Lycodes diapterus	black eelpout
Lycodes brevipes	shortfin eelpout
Gymnelus viridis	fish doctor
Gymnelus sp.	
Gymnelus hemifasciatus	
Lycodes pacificus	blackbelly eelpout
Bothrocara sp.	
Lycodapus sp.	
Lycodapus parviceps	smallhead eelpout
Puzanovia rubra	coral eelpout
Malacostiedae	loosejaw unident.
Aristostomias scintillans	shining loosejaw roundfish unident.
Hydrozoa (class)	
	hydroid unident.
Hydractinia sp.	
Sertularia robusta	
Scyphozoa (class)	jellyfish unident.
Chrysaora sp.	chrysaora jellyfish
Anthozoa (class)	
Alcyonacea (order)	soft coral unident.
Alyconaria unident.	octocoral unident.
Gersemia sp. (=Eunephthya sp.)	sea raspberry
Gersemia rubiformis (=Eunephthya rubiformis)	
Anthomastus sp.	
Anthomastus sp. A (red)	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't)**

**BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Gorgonacea (order)	gorgonian coral unident.
Primnoa sp.	
Primnoa willeyi	red tree coral
Paragorgia sp.	
Paragorgia arborea	Kamchatka coral
Callogorgia sp.	
Calcigorgia sp.	
Calcigorgia spiculifera	
Pennatulacea (order)	sea pen or sea whip unident.
Virgularia sp.	smoothstem seawhip
Virgularidae	sea whip unident.
Stylatula sp.	slender seawhips
Stylatula gracile	roughstem seawhip
Halipterus (=Pavonaria) sp.	
Halipterus (=Pavonaria) finmarchica	
Ptilosarcus gurneyi	orange sea pen
Actiniaria (order)	sea anemone unident.
Metridium sp.	
Metridium senile	clonal plumose anemone
Stomphia sp.	
Urticina (=Tealia) sp.	
Urticina (=Tealia) crassicornis	mottled anemone
Cribrinopsis fernaldi	chevron-tentacled anemone
Liponema brevicorne	tentacle-shedding anemone
Scleractinia unident.	stony coral unident.
Javania borealia	
Caryophyllia sp.	
Caryophyllia alaskensis	Alaska cup coral
Stylasterina unident.	hydrocoral unident.
Stylaster sp.	
Stylaster verrilli	
Stylaster brochi	
Stylaster cancellatus	
Stylaster elassotomus	
Stylaster polyorchis	
Crypthelia trophostega	
Cyclohelix lancellata	
Distichopora sp.	
Distichopora borealis	
Errinopora zarhyncha	
Errinopora sp.	
Errinopora nanneca	
Plumarella sp. 1	
Thouarella sp.	
Keratoisis sp.	bamboo coral
Fanellia sp.	
Fanellia compressa	
Fanellia fraseri	
Muriceides sp.	
Amphilaphis sp.	
Amphilaphis sp. 1	
Amphilaphis sp. 2	

**Appendix N Non-Target Species List Compiled from RACEBASE**

<b>Table 7 (con't)</b>	<b>BSAI Non-specified Category</b>	<b>Scientific name</b>	<b>Common name</b>
		Amphilaphis sp. 3	
		Arthrogorgia sp.	
		Ctenophora (phylum)	comb jelly unident.
		Polychaeta (class)	polychaete worm unident. tube worm unident.
		Oweniidae	
		Aphroditidae	sea mouse unident.
		Aphrodita sp.	
		Aphrodita japonica	
		Aphrodita negligens	
		Glycera sp.	
		Nephtyidae unident.	
		Nereis sp.	
		Cheilonereis cyclurus	
		Polynoidae	scale worm unident.
		Eunoe sp.	
		Eunoe nodosa	giant scale worm
		Eunoe depressa	depressed scale worm
		Sabellidae	sabellid unident.
		Serpula vermicularis	
			bristle worm unident.
		Hirudinea unident.	leech unident.
		Carcinobdella sp.	
		Carcinobdella cyclostomum	striped sea leech
		Notostombdella sp.	
		Crustacea (subphylum)	crustacean unident. amphipod unident.
		Gammaridae	gammarid amphipod unident.
		Melita dentata	
		Anonyx sp.	
		Caprella sp.	caprellid amphipod unident.
		Isopoda (order)	isopod unident.
		Saduria entomon	
		Cumacea (order)	cumacean unident.
		Euphausiacea (order)	euphausiid unident.
		Mysidacea (order)	mysid unident.
		Copepoda (class)	copepod unident.
		Cirripedia (class)	
		Thoracica (order)	barnacle unident.
		Lepas sp.	
		Balanus sp.	
		Balanus balanus	giant barnacle
		Balanus evermanni	crab barnacle
		Balanus hesperius	beaked barnacle
		Balanus rostratus	shrimp unident.
		Sergestidae	sergestid shrimp unident.
		Sergestes sp.	
		Pandalidae	pandalid shrimp unident.
		Pandalus sp.	
		Pandalus danae	dock shrimp
		Pandalus jordani	ocean shrimp

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Pandalus borealis	northern shrimp
Pandalus tridens	yellowleg pandalid
Pandalus platyceros	spot shrimp
Pandalus goniurus	humpy shrimp
Pandalus hypsinotus	coonstripe shrimp
Pandalopsis aleutica	
Pandalopsis dispar	sidestripe shrimp
Pandalopsis ampla	
Hippolytidae (family)	hippolytid shrimp unident.
Spirontocaris sp.	
Spirontocaris lamellicornis	
Spirontocaris snyderi	
Eualus sp.	
Eualus barbatus	
Eualus gaimardii belcheri	
Eualus macilenta	
Eualus biunguis	
Eualus suckleyi	
Lebbeus sp.	
Lebbeus groenlandicus	
Lebbeus polaris	
Heptacarpus sp.	
Crangonidae (family)	crangonid shrimp unident.
Crangon sp.	
Crangon abyssorum	abyssal crangon
Crangon alaskensis	shell shrimp (northern crangon)
Crangon communis	twospine crangon
Crangon dalli	ridged crangon
Lissocrangon stylirostris (=Crangon stylirostris)	smooth crangon
Crangon septemspinosa	sevenspine bay shrimp
Argis sp.	
Argis alaskensis	common argid
Argis dentata	Arctic argid
Sclerocrangon sp.	
Sclerocrangon boreas	sculptured shrimp
Rhynocrangon alata	saddleback shrimp
Argis lar	kuro argid
Argis crassa	rough argid
Argis levior	Nelson's argid
Pasiphaeidae (family)	pasiphaeid shrimp unident.
Pasiphaea pacifica	Pacific glass shrimp
Pasiphaea tarda	crimson pasiphaeid
Hymenodora sp.	
Hymenodora frontalis	
Acanthephyra sp.	
	crab unident.
Cancer sp.	cancer crab unident.
Cancer magister	Dungeness crab
Cancer oregonensis	Oregon rock crab
Cancer productus	red rock crab
Majidae unident.	spider crabs unident.



**Appendix N Non-Target Species List Compiled from RACEBASE**

<b>Table 7 (con't)</b>	<b>BSAI Non-specified Category</b>	<b>Scientific name</b>	<b>Common name</b>
		Oregonia bifurca	
		Oregonia gracilis	graceful decorator crab
		Chorilia longipes	Longhorned decorator crab
		Hyas coarctatus	circumboreal toad crab
		Hyas lyratus	Pacific lyre crab
		Telmessus cheiragonus	helmet crab
		Anomura	
		Paguridae	hermit crab unident.
		Pagurus sp.	
		Pagurus brandti	sponge hermit
		Pagurus aleuticus	Aleutian hermit
		Labidochirus splendescens	splendid hermit
		Pagurus confragosus	knobbyhand hermit
		Pagurus cornutus	
		Pagurus dalli	whiteknee hermit
		Pagurus kenneerlyi	bluespine hermit
		Pagurus trigonocheirus	fuzzy hermit crab
		Pagurus ochotensis	Alaskan hermit
		Pagurus rathbuni	longfinger hermit
		Pagurus tanneri	longhand hermit
		Elassochirus tenuimanus	widehand hermit crab
		Pagurus capillatus	hairy hermit crab
		Elassochirus cavimanus	purple hermit
		Elassochirus gilli	Pacific red hermit
		Lithodidae unident.	stone crab unident.
		Acantholithodes hispidus	fuzzy crab
		Dermaturus mandti	
		Hapalogaster sp.	
		Hapalogaster grebnitzkii	
		Rhinolithodes wosnessenskii	rhinoceros crab
		Paralomis multispina	
		Placetron wosnessenskii	scaled crab
		Erimacrus isenbeckii	horsehair crab
		Hyas sp.	
		Pugettia sp.	kelp crab
		Pugettia gracilis	
		Scyra acutifrons	
		Galatheidae (family)	galatheid crab unident.
		Chirostylus sp.	
		Munida quadrispina	
		Pycnogonida (class)	sea spider unident.
		Colossendeis dofleini	
		Mollusca (phylum)	mollusk unident.
		Aplacophora	
		Polyplacophora unident.	chiton unident.
		Cryptochiton stelleri	giant Pacific (gumboot) chiton
		Amicula vestita	
		Placiphorella sp.	
		Placiphorella atlantica	
		Leptochiton alveolus	
		gastropod eggs	snail eggs

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Fusitriton oregonensis eggs	
Neptunea sp. eggs	Neptunea sp. eggs
Nudibranchia unident.	nudibranch unident.
Onchidoris bilamellata	barnacle-eating onchidoris
Tochuina tetraquetra	giant orange tochui
Dendronotus sp.	
Dendronotus dalli	Dall's dendronotid
Dendronotus frondosus	frond-aeolis
Dendronotus subramosus	stubby frond-aeolis
Tritonia sp.	
Tritonia diomedea	rosy tritonia
Armina californica (=Pleurophyllidia c)	California armina
Anisodoris nobilis	Pacific sea lemon dorid nudibranch unident.
Archidoris odhneri	white night doris
Cranopsis major	great puncturella limpet unident.
Gastropod unident.	snail unident.
Asterophila japonica	
Naticidae	
Bulbus fragilis	fragile moonsnail
Natica sp.	
Natica clausa	Arctic moonsnail
Natica aleutica	Aleutian moonsnail
Natica russa	rusty moonsnail
Muricidae (=Thaididae)	
Nucella canaliculata (=Thais c)	channelled dogwinkle
Polinices lewisi	
Polinices sp.	
Polinices pallidus	pale moonsnail
Onchidiopsis glacialis	icy lamellaria
Capulacmaea commoda (=Piliscus c)	widemouth lamellaria
Epitonium (=Boreoscala) greenlandica	Greenland wentletrap
Tachyrhynchus sp.	
Tachyrhynchus erosus	eroded turretsnail
Tachyrhynchus reticulatus	reticulated turretsnail
Crepidula sp.	slipper shell
Crepidula grandis	great slippersnail whelk unident.
Colus sp.	
Colus periscelidus	garter whelk
Colus herendeenii	thin-ribbed whelk
Colus hypolispus	oblique whelk
Colus ombronius	shady whelk
Colus roseus	rosy whelk
Colus esychus	
Colus spitzbergensis	thick-ribbed whelk
Colus aphelus	oblique whelk
Colus halli	shrew whelk
Colus datuzenbergii	
Colus bristolensis	
Japelion aleutica	

**Appendix N Non-Target Species List Compiled from RACEBASE**

<b>Table 7 (con't)</b>	<b>BSAI Non-specified Category</b>	
	<b>Scientific name</b>	<b>Common name</b>
	Habavolutopsius hirosei	
	Pyrulofusus dexius	
	Volutopsius sp. (=Pyrulofusus sp.)	
	Pyrulofusus deformis	warped whelk
	Volutopsius harpa	left-hand whelk
	Volutopsius fragilis	fragile whelk
	Volutopsius regularis	regular whelk
	Volutopsius filusus	threaded whelk
	Volutopsius castaneus	volute whelk
	Pyrulofusus melonis	
	Volutopsius simplex	simple whelk
	Volutopsius stefanssoni	shouldered whelk
	Volutopsius middendorffii	tulip whelk
	Volutopsius trophonius	frilled whelk
	Beringius sp.	
	Beringius kennicottii	
	Beringius frielei	
	Beringius beringii	
	Beringius stimpsoni	
	Beringius crebricostatus	thick-cord whelk
	Beringius undatus	
	Neoberingius sp.	
	Neptunea sp.	
	Neptunea amianta	
	Neptunea pribiloffensis	Pribilof whelk
	Neptunea borealis	
	Neptunea eulimata	
	Neptunea nasuta	
	Neptunea lyrata	lyre whelk
	Neptunea vermii	
	Neptunea ventricosa	fat whelk
	Neptunea heros	
	Neptunea magna (=Clinopegma magna)	helmet whelk
	Plicifusus (=Colus) sp.	
	Plicifusus (=Colus) kroyeri	
	Plicifusus (=Colus) incisus	
	Plicifusus (=Colus) brunneus	brown whelk
	Plicifusus (=Colus) verkruzeni	
	Volutopsius callorhinus	
	Plicifusus (=Colus) griseus	gray whelk
	Sulcosinus taphrius	
	Liomesus sp.	
	Liomesus ooides	egg whelk
	Ancistrolepis sp.	
	Antiplanes sp.	
	Aforia sp. (=Leucosyrinx sp.)	
	Aforia goodei (=Leucosyrinx persimilis )	
	Aforia circinata	keeled aforia
	Oenopota sp.	
	Oenopota harpa	
	Obesotoma simplex	
	Trichotropidae	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Trichotropis insignis	gray hairysnail
Trichotropis coronata	crowned hairysnail
Trichotropis bicarinata	two-keel hairysnail
Trichotropis kroyeri	
Torellia ammonia	rams-horn hairysnail
Boreotrophon muriciformis (=Trophon=Trophonopsis dalli)	
Boreotrophon clathratus	clathrate trophon
Boreotrophon sp.	
Boreotrophon pacificus	elegant trophon
Fusitriton oregonensis	Oregon triton
Fusitriton sp.	trochid unident.
Margarites sp.	
Margarites pupillus	little margarite
Margarites giganteus	giant margarite
Margarites argentatus	
Margarites costalis	boreal rosy margarite
Solariella sp.	
Solariella obscura	obscure solarelle
Solariella varicosa	varicose solarelle
Buccinum sp.	
Buccinum polium	
Buccinum ochotense	Okhotsk whelk
Buccinum angulosum	angular whelk
Buccinum fringillum	finch whelk
Buccinum sigmatopleura	
Buccinum simulatum	
Buccinum oedematum	swollen whelk
Buccinum eugrammatum	lirate whelk
Buccinum strigillatum	
Buccinum plectrum	sinuous whelk (prev. lyre whelk)
Buccinum scalariforme	ladder whelk (prev. silky whelk)
Buccinum polare	polar whelk
Buccinum solenum	
Buccinum glaciale	glacial whelk
Buccinum tenellum	
Buccinum castaneum	chestnut whelk
Searlesia dira	dire whelk
Arctomelon stearnsii (=Boreomelon stearnsii)	Alaska volute
Volutomitra alaskana	
Velutina undata	wavy lamellaria
Velutina nana	
Velutina plicatilis	oblique lamellaria
Velutina conica	conical lamellaria
Velutina prolongata	elongate lamellaria
Velutina velutina	smooth lamellaria
Velutina sp.	
Admete viridula	northern admete
Admete laevior	
Admete regina	noble admete

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Cylichna alba	white chalice-bubble
Bivalvia unident.	bivalve unident.
Mytilidae	mussel unident.
Modiolus modiolus	northern horsemussel
Mytilus sp.	
Mytilus edulis	blue mussel
Pectinid unident.	scallop unident.
Chlamys sp.	
Chlamys behringiana	Iceland scallop
Chlamys rubida	reddish scallop
Chlamys pseudoislandica	false iceland scallop
Patinopecten caurinus	weathervane scallop
Delectopecten randolphi	Randolph scallop
Parvamussium alaskense	Alaska glass-scallop
Cyclopecten sp.	
Panopea abrupta (=P. generosa)	Pacific geoduck
Hiatella arctica	Arctic hiatella
Panomya arctica	Arctic roughmya
Nucula tenuis	smooth nutclam
Yoldia sp.	
Yoldia scissurata	crisscrossed yoldia
Yoldia myalis (prev. file yoldia)	oval yoldia
Yoldia thraciaeformis	broad yoldia
Yoldia hyperborea	northern yoldia
Portlandia sp.	
Yoldiella sp.	
Nuculana sp.	
Nuculana pernula	northern nutclam
Nuculana fossa	trenched nutclam
Nuculana buccata	stout nutclam
Limopsis akutanica	Akutan limops
Musculus sp.	
Musculus niger	black mussel
Musculus discors	discordant mussel
Musculus olivaceus	
Crenella seminuda (=Musculus seminudus)	partly-sculptured crenella
Astarte crenata	crenulate astarte
Astarte sp.	
Tridonta borealis (=Astarte borealis)	boreal tridonta
Astarte polaris	polar astarte
Tridonta rollandi (=astarte rollandi)	Rolland tridonta
Cardita sp.	
Crassocardia crassidens (=cyclocardia )	thick carditid
Cyclocardia crebricostata	many-rib cyclocardia
Cyclocardia sp.	
Kelliidae	
Kellia laperousii	La Perouse kellyclam
Clinocardium sp.	
	cockle unident.
Clinocardium nuttallii	Nuttall cockle
Clinocardium ciliatum	hairy cockle

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Clinocardium californiense	California cockle
Clinocardium funcanum	strait cockle
Saxidomus nuttalli	Washington clam
Saxidomus giganteus	butter clam
Liocyma fluctosa	wavy liocyma
Tresus nuttallii	Pacific gaper
Mactromeris sp. (=Spisula sp.)	
Mactromeris polynyma (=Spisula p)	Arctic surfclam
Tellina sp.	
Tellina carpenteri	carpenter tellin
Tellina nuculoides	salmon tellin
Tellina lutea	Alaska great-tellin
Macoma sp.	
Macoma nasuta	bent-nose macoma
Macoma calcarea	chalky macoma
Macoma secta	white-sand macoma
Macoma brota	heavy macoma
Siliqua sp.	
Siliqua patula	Pacific razor
Siliqua alta	Alaska razor
Serripes sp.	
Serripes groenlandicus	Greenland cockle
Serripes laperousii	broad cockle
Mya arenaria	softshell (prev. soft shelled clam)
Mya truncata	truncate softshell
Mya pseudoarenaria	false softshell
Mya elegans	elegant soft shell
Cardiomya sp.	
Pododesmus macroschisma	Alaska falsejingle
Pododesmus sp.	
Anomia sp.	
Anomiidae	falsejingles unident.
Scaphopoda unident.	scaphopod unident.
Dentalium sp.	
Rhabdus dalli (=Dentalium dalli)	Dall tuskshell
Asteroidea unident.	starfish unident.
Ceramaster leptoceramus	
Ophiacanthus sp.	
Evasterias sp.	
Evasterias troschelii	
Evasterias echinosoma	
Orthasterias koehleri	
Leptasterias groenlandica	
Leptasterias hexactis	
Leptasterias hylodes	
Pycnopodia helianthoides	
Lethasterias nanimensis	
Pedicellaster sp.	
Pedicellaster magister	
Stephanasterias albula	
Pisaster sp.	
Henricia sp.	

**Appendix N Non-Target Species List Compiled from RACEBASE**

<b>Table 7 (con't)</b>	<b>BSAI Non-specified Category</b>	<b>Scientific name</b>	<b>Common name</b>
		Henricia sanguinolenta	
		Henricia aspera	
		Henricia leviuscula	
		Henricia tumida	
		Leptasterias polaris	
		Leptasterias arctica	
		Leptasterias sp.	
		Leptasterias camtschatica	
		Gephyreaster swifti	
		Pseudarchaster sp.	
		Hippasteria sp.	
		Hippasteria spinosa	
		Pseudarchaster parelii	
		Mediaster sp.	
		Mediaster aequalis	
		Ceramaster sp.	
		Ceramaster japonicus	red bat star
		Ceramaster patagonicus	orange bat star
		Ceramaster arcticus	
		Ceramaster clarki	
		Dermasterias imbricata	
		Solaster sp.	
		Solaster endeca	
		Solaster hypothrissus	
		Solaster dawsoni	
		Solaster stimpsoni	
		Solaster paxillatus	
		Crossaster sp.	
		Crossaster borealis	
		Crossaster papposus	rose sea star
		Lophaster sp.	
		Lophaster furcilliger	
		Pteraster sp.	
		Pteraster tessellatus	
		Pteraster militaris	
		Pteraster tessellatus arcuatus	
		Pteraster obscurus	
		Diplopteraster multipes	
		Asterias sp.	
		Asterias amurensis	purple-orange seastar
		Ctenodiscus sp.	
		Ctenodiscus crispatus	common mud star
		Leptychaster sp.	
		Leptychaster pacificus	
		Leptychaster arcticus	
		Cladaster validus	
		Dipsacaster sp.	
		Dipsacaster borealis	
		Luidiaster dawsoni	
		Brisingella pusilla	
		Anteliaster sp.	
		Echinacea unident.	sea urchin unident.

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Strongylocentrotus droebachiensis	green sea urchin
Strongylocentrotus franciscanus	red sea urchin
Strongylocentrotus pallidus	white sea urchin
Alloccentrotus fragilis	orange-pink sea urchin
Alloccentrotus sp.	heart urchin unident.
Brisaster sp.	
Brisaster townsendi	
Brisaster latifrons	
Echinarachnius parma	sand dollar unident. Parma sand dollar crinoid unident.
Heliometra glacialis	
Florometra sp.	
Florometra serratissima	featherstar crinoid
Ophiuroid unident.	brittlestarfish unident.
Gorgonocephalus eucnemis (prev G. caryi)	basketstarfish
Asteronyx sp.	
Asteronyx loveni	
Ophiura sp.	
Ophiura sarsi	
Amphiophiura ponderosa	
Ophiopholis sp.	
Ophiopholis aculeata	
Amphiodia rossica	
Holothuroidea unident.	sea cucumber unident.
Cucumaria japonica	
Parastichopus sp.	
Parastichopus californicus	
Molpadia arenicola	
Molpadia sp.	
Molpadia intermedia	
Pentamera lissoplaca	
Bathyploetes sp.	
Cucumaria sp.	
Cucumaria fallax	
Stichopus japonicus	
Psolus sp.	
Psolus fabricii	
Psolus japonicus	
Foraminifera	foraminiferan unident.
Porifera	sponge unident. vase sponge
Demospongiae	
Suberites ficus	hermit sponge
Suberites domuncula	
Aphrocallistes vastus	clay pipe sponge white claypipe sponge
Mycale loveni	tree sponge
Halichondria panicea	barrel sponge
Leucandra heathi	spiny vase sponge



**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Rhabdocalyptus sp.	cloud sponge
Mycale bellabellensis	lampshade sponge
	brain sponge
Myxilla incrustans	scallop sponge
	soft green sponge
	mushroom sponge
Polymastia sp.	spud sponge
	club sponge
Leucosolenia blanca	yellow leafy sponge
Tethya sp.	ball sponge
Hylonema sp.	fiberoptic sponge
	staghorn sponge
	orange ball sponge
	orange sponge
	yellow bowl sponge
Polymastia pachymastia	black-orange spud sponge
Halichondria sitiens	black papillate sponge
Halichondria cf. sitiens	yellow green papillate sponge
	firm yellow green sponge
Stylissa sp.	drumstick sponge
Hexactinellida	glass sponge unident.
Platyhelminthes (phylum)	flatworm unident.
Polycladida (order)	polyclad flatworm unident.
Nemertea (phylum)	nemertean worm unident.
Priapula (phylum)	priapulid worm unident.
Nematoda (phylum)	nematode worm unident.
Sipuncula (phylum)	sipunculid worm unident.
Echiura (phylum)	echiurid worm unident.
Phoronida (phylum)	phoronida tube worm unident.
Bryozoa unident.	bryozoan unident.
	bryozoan sp. A unident.
Eucratea loricata	feathery bryozoan
Flustra serrulata	leafy bryozoan
Myriozoum subgracile	
Porella compressa	flattened bryozoan
Escharopsis sarsi	
Rhaphostomella costata	ribbed bryozoan
Cellepora ventricosa	coral bryozoan
Microporina articulata	
brachiopod unident.	lampshells unident.
Terebratalia transversa	common brachiopod
Laqueus californianus	
Ascidian unident.	tunicate unident.
	cow-eye tunicate (new species a)
	transparent tunicate (new sp b)
Thaliacea unident.	salps unident.
Styela sp.	
Styela rustica	sea potato
Boltenia sp.	
Boltenia ovifera	
Halocynthia sp.	sea peach unident.
Halocynthia aurantium	sea peach

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 7 (con't) BSAI Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Amaroucium sp.	compound ascidian unident.
Chelyosoma orientale	
Aplidium sp.	sea glob
Aplidium new species a	orange aplidium
Synoicum sp.	sea blob
Molgula sp.	
Molgula griffithsii	sea grape
Molgula retortiformis	sea clod
	invertebrate unident.

**Table 8 GOA Non-specified Category**

	<b>Scientific name</b>	<b>Common name</b>
	Petromyzontidae	lamprey unident.
	Lampetra tridentata	Pacific lamprey
	Myxinidae	hagfish unident.
730 species codes	Hydrolagus colliei	spotted ratfish
	Hydrolagus colliei egg case	
	Agonidae	poacher unident.
	Pallasina barbata	tubenose poacher
	Percis japonicus	dragon poacher
	Sarritor sp.	
	Sarritor leptorhynchus	longnose poacher
	Sarritor frenatus	sawback poacher
	Agonopsis vulsa	northern spearnose poacher
	Odontopyxis trispinosa	pygmy poacher
	Xeneretmus latifrons	blacktip poacher
	Xeneretmus leiops	smootheye poacher
	Xeneretmus sp.	
	Bathyagonus sp.	starsnout poacher unident.
	Bathyagonus alascanus	gray starsnout
	Bathyagonus infraspinatus	spinycheek starsnout
	Bathyagonus pentacanthus	bigeye poacher
	Bathyagonus nigripinnis	blackfin poacher
	Podothecus acipenserinus	sturgeon poacher
	Aspidophoroides bartoni	Aleutian alligatorfish
	Anoplagonus inermis	smooth alligatorfish
	Occella verrucosa	warty poacher
	Occella dodecaedron	Bering poacher
	Hypsagonus quadricornis	fourhorn poacher
	Alepocephalus sp.	
	Talismania bifurcata	threadfin slickhead
	Anarrhichthys ocellatus	wolf-eel
	Anarrhichas orientalis	Bering wolffish
	Aulorhynchus flavidus	tube-snout
	Argentinidae	argentine unident.
	Nansenia candida	bluethroat argentine
	Argentina sialis	Pacific argentine
	Bathymasteridae	ronquil unident.
	Ronquilus jordani	northern ronquil
	Bathymaster caeruleofasciatus	Alaskan ronquil
	Bathymaster leurolepis	smallmouth ronquil
	Bathymaster signatus	searcher

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Ceratiidae unident.	seadevils unident.
Chauliodontidae	viperfish unident.
Chauliodus macouni	Pacific viperfish
Macrouridae	grenadier unident.
Coryphaenoides sp.	
Coryphaenoides acrolepis	Pacific grenadier
Albatrossia pectoralis	giant grenadier
Coryphaenoides cinereus	popeye grenadier
Coryphaenoides filifer	filamented grenadier
Embiotocidae	surfperch unident.
Cymatogaster aggregata	shiner perch
Microgadus proximus	Pacific tomcod
Antimora microlepis	Pacific flatnose
Eleginus gracilis	saffron cod
Syngnathidae	pipefish unident.
Gobiidae	goby unident.
Hexagrammidae	greenling unident.
Ophiodon elongatus	lingcod
Hexagrammos sp.	
Hexagrammos octogrammus	masked greenling
Hexagrammos stelleri	whitespotted greenling
Hexagrammos lagocephalus	rock greenling
Hexagrammos decagrammus	kelp greenling
Zaniolepis frenata	shortspine combfish
Icosteus aenigmaticus	ragfish
Cyclopteridae	lumpsucker or snailfish unident.
Cyclopterinae	lumpsucker unident.
Aptocyclus ventricosus	smooth lumpsucker
Lethotremus muticus	
Eumicrotremus birulai	round lumpsucker
Eumicrotremus orbis	Pacific spiny lumpsucker
Eumicrotremus derjugini	leatherfin lumpsucker
Eumicrotremus sp.	spiny lumpsuckers
Cyclopteropsis phrynoides	toad lumpsucker
Liparidinae	snailfish unident.
Liparis sp.	
Liparis fucensis	slipskin snailfish
Liparis dennyi	marbled snailfish
Liparis gibbus	dusky snailfish
Crystallichthys cyclospilus	blotched snailfish
Liparis pulchellus	showy snailfish
Liparis cyclopus	ribbon snailfish
Elassodiscus caudatus	humpback snailfish
Careproctus sp.	
Careproctus melanurus	blacktail snailfish
Careproctus phasma	monster snailfish
Careproctus cypselurus	blackfin snailfish
Careproctus furcellus	forktail snailfish
Careproctus scottae	peachskin snailfish
Careproctus gilberti	smalldisk snailfish
Careproctus colletti	Alaska snailfish
Careproctus rastrinus	salmon snailfish

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Paraliparis dactylosus	red snailfish
Paraliparis deani	prickly snailfish
Paraliparis sp.	
Nectoliparis pelagicus	tadpole snailfish
Rhinoliparis barbulifer	
Rhinoliparis attenuatus	slim snailfish
Acantholiparis opercularis	spiny snailfish
Melamphaidae	bigscale unident.
Poromitra crassiceps	crested bigscale
Melamphaes lugubris	highsnout bigscale
Tactostoma macropus	longfin dragonfish
Merluccius productus	Pacific hake
Anotopterus pharao	daggertooth
Nemichthyidae	snipe eel unident.
Avocettina sp.	
Avocettina infans	blackline snipe eel
Oneirodes sp.	
Oneirodes acanthias	spiny dreamer
Oneirodes bulbosus	hairy-lure dreamer
Paralepis atlantica	duckbill barracudina
Lestidiops ringens	slender barracudina
Scombridae	mackerel unident.
Cololabis saira	Pacific saury
Benthalbella sp.	
Benthalbella dentata	northern pearleye
Scopelosaurus harryi	scaly paperbone
Alepisaurus ferox	longnose lancetfish
Sagamichthys abei	shining tubeshoulder
Lycnectes aleutensis	dwarf wrymouth
Cryptacanthodes giganteus	giant wrymouth
Trachipterus altivelis	king-of-the-salmon
Opisthoproctidae	spookfish unident.
Macropinna microstoma	barreleye
Zaprora silenus	prowfish
Zoarcidae	eelpout unident.
Bothrocara brunneum	twoline eelpout
Bothrocara pusillum	Alaska eelpout
Bothrocara remigerum	longfin eelpout
Bothrocara molle	soft eelpout
Embryx crotalinus	snakehead eelpout
Lycodes cortezianus	bigfin eelpout
Lycenchelys sp.	
Lycenchelys jordani	shortjaw eelpout
Lycodapus fierasfer	blackmouth eelpout
Lycodes sp.	
Lycodes palearis	wattled eelpout
Lycodes concolor	ebony eelpout
Lycodes polaris	Canadian eelpout
Lycodes diapterus	black eelpout
Lycodes brevipes	shortfin eelpout
Lycodes pacificus	blackbelly eelpout
Bothrocara sp.	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Lycodapus sp.	
Lycodapus grossidens	bigtooth eelpout
Acipenseridae	sturgeon unident.
Lampris guttatus	opah
Howella sherborni	
	roundfish unident.
Hydrozoa (class)	
	hydroid unident.
Scyphozoa (class)	jellyfish unident.
Chrysaora sp.	chrysaora jellyfish
Periphylla sp.	
Periphylla periphylla	
Chrysaora melanaster	
Phacellophora camtchatica	
Aequorea sp.	
Atolla sp.	
Aurelia sp.	
Cyanea sp.	
Cyanea capillata	lion's mane
Anthozoa (class)	
Alcyonacea (order)	soft coral unident.
Alyconaria unident.	octocoral unident.
Alcyonium sp.	
Gersemia sp. (=Eunephthya sp.)	sea raspberry
Anthomastus sp.	
Anthomastus sp. A (red)	
Anthomastus sp. B (gray)	
Gorgonacea (order)	gorgonian coral unident.
Primnoa sp.	
Primnoa willeyi	red tree coral
Antipatheria	black coral
Antipathes sp.	
Parantipathes sp.	
Paragorgia arborea	Kamchatka coral
Euplexaura sp.	
Euplexaura marki	
Callogorgia sp.	
Calcigorgia sp.	
Pennatulacea (order)	sea pen or sea whip unident.
Virgularia sp.	smoothstem seawhip
Virgularidae	sea whip unident.
Stylatula sp.	slender seawhips
Stylatula gracile	roughstem seawhip
Halipteris (=Pavonaria) sp.	
Halipteris (=Pavonaria) finmarchica	
Halipteris californica	
Ptilosarcus gurneyi	orange sea pen
Actiniaria (order)	sea anemone unident.
Actinauge verrillii	reticulate anemone
Paractinostola faeculenta	rough purple sea anemone
Corallimorphus sp.	
Metridium sp.	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Metridium senile	clonal plumose anemone
Metridium giganteum	gigantic anemone
Stomphia didemon	cowardly anemone
Stomphia sp.	
Urticina (=Tealia) sp.	
Urticina (=Tealia) crassicornis	mottled anemone
Cribrinopsis fernaldi	chevron-tentacled anemone
Liponema brevicorne	tentacle-shedding anemone
Scleractinia unident.	stony coral unident.
Caryophyllia sp.	
Stylasterina unident.	hydrocoral unident.
Stylaster sp.	
Stylaster brochi	
Crypthelia trophostega	
Cyclohelia lanceolata	
Errinopora sp.	
Isidella sp.	articulated bamboo coral
Plumarella sp. 1	
Thouarella sp.	
Keratoisis sp.	bamboo coral
Fanellia sp.	
Fanellia compressa	
Muriceides sp.	
Amphilaphis sp.	
Arthrogorgia sp.	
Ctenophora (phylum)	comb jelly unident.
Polychaeta (class)	polychaete worm unident. worm unident. tube worm unident. sea mouse unident.
Aphroditidae	
Aphrodita sp.	
Aphrodita negligens	
Nereidae	
Nereis sp.	
Cheilonereis cyclurus	
Polynoidae	scale worm unident.
Eunoe sp.	
Eunoe nodosa	giant scale worm
Eunoe depressa	depressed scale worm
Sabellidae	sabellid unident.
Serpula vermicularis	
	bristle worm unident.
Hirudinea unident.	leech unident.
Carcinobdella cyclostomum	striped sea leech
Crustacea (subphylum)	crustacean unident. amphipod unident.
Isopoda (order)	isopod unident.
Lironeca sp.	
Cumacea (order)	cumacean unident.
Euphausiacea (order)	euphausiid unident.
Mysidacea (order)	mysid unident.
Gnathophausia gigas	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Gnathophausia ingens	
Cirripedia (class)	
Thoracica (order)	barnacle unident.
Lepas sp.	
Balanus sp.	
Balanus evermanni	giant barnacle
Balanus hesperius	crab barnacle
Balanus rostratus	beaked barnacle
Scalpellum cornutum	eared barnacle
	shrimp unident.
Sergestidae	sergestid shrimp unident.
Sergestes sp.	
Pandalidae	pandalid shrimp unident.
Pandalus sp.	
Pandalus danae	dock shrimp
Pandalus jordani	ocean shrimp
Pandalus borealis	northern shrimp
Pandalus tridens	yellowleg pandalid
Pandalus platyceros	spot shrimp
Pandalus goniurus	humpy shrimp
Pandalus hypsinotus	coonstripe shrimp
Pandalopsis dispar	sidestripe shrimp
Pandalopsis ampla	
Hippolytidae (family)	hippolytid shrimp unident.
Spirontocaris sp.	
Spirontocaris lamellicornis	
Spirontocaris snyderi	
Eualus sp.	
Eualus barbatus	
Eualus macilenta	
Eualus macrophthalmus	
Eualus stoneyi	
Eualus suckleyi	
Lebbeus sp.	
Lebbeus grandimana	candy stripe shrimp
Lebbeus groenlandicus	
Crangonidae (family)	crangonid shrimp unident.
Crangon sp.	
Crangon abyssorum	abyssal crangon
Crangon alaskensis	shell shrimp (northern crangon)
Crangon communis	twospine crangon
Crangon resima	
Crangon dalli	ridged crangon
Crangon septemspinosa	sevenspine bay shrimp
Argis sp.	
Argis alaskensis	common argid
Argis dentata	Arctic argid
Sclerocrangon sp.	
Sclerocrangon boreas	sculptured shrimp
Argis lar	kuro argid
Argis crassa	rough argid
Argis ovifer	split-eye argid

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Paracrangon echinata	
Pasiphaeidae (family)	pasiphaeid shrimp unident.
Pasiphaea pacifica	Pacific glass shrimp
Pasiphaea tarda	crimson pasiphaeid
Notostomus japonicus	spinyridge shrimp
	crab unident.
Cancer sp.	cancer crab unident.
Cancer magister	Dungeness crab
Cancer oregonensis	Oregon rock crab
Cancer productus	red rock crab
Cancer gracilis	graceful rock crab
Xanthidae	
Pinnixa occidentalis	pea crab
Majidae unident.	spider crabs unident.
Oregonia bifurca	
Oregonia gracilis	graceful decorator crab
Chorilia longipes	Longhorned decorator crab
Hyas coarctatus	circumboreal toad crab
Hyas lyratus	Pacific lyre crab
Telmessus cheiragonus	helmet crab
Anomura	
Paguridae	hermit crab unident.
Pagurus sp.	
Pagurus brandti	sponge hermit
Pagurus aleuticus	Aleutian hermit
Labidochirus splendescens	splendid hermit
Pagurus confragosus	knobbyhand hermit
Pagurus cornutus	
Pagurus dalli	whiteknee hermit
Pagurus kennerlyi	bluespine hermit
Pagurus trigonocheirus	fuzzy hermit crab
Pagurus ochotensis	Alaskan hermit
Pagurus rathbuni	longfinger hermit
Pagurus tanneri	longhand hermit
Elassochirus tenuimanus	widehand hermit crab
Pagurus capillatus	hairy hermit crab
Elassochirus cavimanus	purple hermit
Elassochirus gilli	Pacific red hermit
Elassochirus sp.	
Lithodidae unident.	stone crab unident.
Lopholithodes sp.	box crab unident.
Lopholithodes foraminatus	box crab
Lopholithodes mandtii	
Acantholithodes hispidus	fuzzy crab
Hapalogaster mertensii	
Hapalogaster grebnitzkii	
Rhinolithodes wosnessenskii	rhinoceros crab
Cryptolithodes typica	
Cryptolithodes sp.	
Paralomis sp.	
Placetrion wosnessenskii	scaled crab
Erimacrus isenbeckii	horsehair crab



**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Hyas sp.	
Pugettia sp.	kelp crab
Pugettia gracilis	
Scyra acutifrons	
Galatheidae (family)	galatheid crab unident.
Munida quadrispina	
Pycnogonida (class)	sea spider unident.
Mollusca (phylum)	mollusk unident.
Aplacophora	
Polyplacophora unident.	chiton unident.
Cryptochiton stelleri	giant Pacific (gumboot) chiton
Lepidozona trífida	
Lepidozona abyssicola	
Amicula vestita	
Placiphorella sp.	
Placiphorella pacífica	
Leptochiton alveolus	
gastropod eggs	snail eggs
Buccinum sp. Eggs	
Fusitriton oregonensis eggs	
Neptunea sp. eggs	Neptunea sp. eggs
Nudibranchia unident.	nudibranch unident.
Tochuina tetraquetra	giant orange tochui
Dendronotus sp.	
Tritonia sp.	
Tritonia diomedea	rosy tritonia
Triopha catalinae	sea-clown triopha
Armina californica (=Pleurophyllidia c)	California armina
Chlamyella sp.	
Anisodoris nobilis	Pacific sea lemon dorid nudibranch unident.
Archidoris odhneri	white night doris
Cranopsis major	great puncturella
Acmaea sp.	limpet unident.
Gastropod unident.	snail unident.
Naticidae	
Bulbus fragilis	fragile moonshell
Natica sp.	
Natica clausa	Arctic moonshell
Natica aleutica	Aleutian moonshell
Natica russa	rusty moonshell
Nucella lamellosa (=Thais lamellosa)	frilled dogwinkle
Polinices lewisi	
Polinices sp.	
Polinices pallidus	pale moonshell
Crepidula sp.	slipper shell whelk unident.
Colus sp.	
Colus herendeenii	thin-ribbed whelk
Colus spitzbergensis	thick-ribbed whelk
Colus georgianus	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Volutopsius sp. (=Pyrulofusus sp.)	
Pyrulofusus deformis	warped whelk
Volutopsius harpa	left-hand whelk
Volutopsius fragilis	fragile whelk
Volutopsius castaneus	volute whelk
Volutopsius stefanssoni	shouldered whelk
Volutopsius middendorffii	tulip whelk
Beringius sp.	
Beringius kennicottii	
Beringius beringii	
Beringius undatus	
Beringius sp. eggs	Beringius sp. eggs
Neptunea sp.	
Neptunea amianta	
Neptunea pribiloffensis	Pribilof whelk
Neptunea middendorffii	
Neptunea lyrata	lyre whelk
Neptunea ventricosa	fat whelk
Neptunea heros	
Plicifusus (=Colus) kroyeri	
Volutopsius callorhinus	
Plicifusus (=Colus) griseus	gray whelk
Mohnia robusta	
Aforia sp. (=Leucosyrinx sp.)	
Aforia circinata	keeled aforia
Torellia ammonia	rams-horn hairsnail
Boreotrophon stuarti	winged trophon
Boreotrophon sp.	
Ceratostoma foliatum	foliate thornmouth
Fusitriton oregonensis	Oregon triton
Fusitriton sp.	
Calliostoma sp.	
Tegula pulligo	
Bathybembix bairdii	
Cidarina cidaris	
Buccinum picturatum	
Buccinum sp.	
Buccinum oedematum	swollen whelk
Buccinum eugrammatum	lirate whelk
Buccinum strigillatum	
Buccinum plectrum	sinuous whelk (prev. lyre whelk)
Buccinum scalariforme	ladder whelk (prev. silky whelk)
Buccinum polare	polar whelk
Buccinum ciliatum	
Buccinum glaciale	glacial whelk
Bathybuccinum clarki	Roger's buccinid
Bathybuccinum ovulum	
Arctomelon stearnsii (=Boreomelon s)	Alaska volute
Bivalvia unident.	bivalve unident.
Mytilidae	mussel unident.
Modiolus modiolus	northern horse mussel
Mytilus sp.	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Mytilus californianus	California mussel
Mytilus edulis	blue mussel
Pectinid unident.	scallop unident.
Chlamys sp.	
Chlamys behringiana	Iceland scallop
Chlamys rubida	reddish scallop
Chlamys hericia	
Patinopecten caurinus	weathervane scallop
Hiatella sp.	
Hiatella arctica	Arctic hiatella
Yoldia sp.	
Yoldia scissurata	crisscrossed yoldia
Yoldia myalis (prev. file yoldia)	oval yoldia
Yoldia thraciaeformis	broad yoldia
Nuculana sp.	
Nuculana pernula	northern nutclam
Nuculana fossa	trenched nutclam
Limopsis akutanica	Akutan limops
Limopsis vaginata	
Musculus niger	black mussel
Musculus discors	discordant mussel
Astarte crenata	crenulate astarte
Astarte sp.	
Tridonta borealis (=Astarte borealis)	boreal tridonta
Cardita sp.	
Cyclocardia ventricosa (=Cardita ventricosa)	stout cyclocardia
Cyclocardia crebricostata	many-rib cyclocardia
Kellia laperousii	La Perouse kellyclam
Clinocardium sp.	
	cockle unident.
Clinocardium nuttallii	Nuttall cockle
Clinocardium ciliatum	hairy cockle
Clinocardium californiense	California cockle
Clinocardium funcanum	strait cockle
Compsomyax subdiaphanus	milky venus
Humilaria kennerleyi	Kennerleys venus
Tresus nuttallii	Pacific gaper
Mactromeris sp. (=Spisula sp.)	
Mactromeris polynyma (=Spisula p)	Arctic surfclam
Tellina sp.	
Macoma sp.	
Macoma calcarea	chalky macoma
Macoma brota	heavy macoma
Siliqua sp.	
Siliqua alta	Alaska razor
Serripes sp.	
Serripes groenlandicus	Greenland cockle
Serripes laperousii	broad cockle
Mya sp.	
Mya pseudoarenaria	false softshell
Shipworm unident.	

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Bankia setacea	feathery shipworm
Lyonsia arenosa	sandy lyonsia
Pododesmus macroschisma	Alaska falsejingle
Pododesmus sp.	
Hinnites sp.	rock scallops unident
Anomiidae	falsejingles unident.
Scaphopoda unident.	scaphopod unident.
Compressidens stearnsii (=Cadulus s)	Stearns toothshell
Asteroidea unident.	starfish unident.
Ceramaster leptoceramus	
Ophioscolax sp.	
Ophiacanthus sp.	
Evasterias sp.	
Evasterias troschelii	
Diamphiodia occidentalis	
Evasterias echinosoma	
Orthasterias sp.	
Orthasterias koehleri	
Leptasterias hylodes	
Leptasterias coei	
Rathbunaster californicus	
Pycnopodia helianthoides	
Stylasterias forreri	
Stylasterias sp.	
Lethasterias nanimensis	
Pedicellaster sp.	
Pedicellaster magister	
Pisaster sp.	
Poraniopsis inflata	
Henricia sp.	
Henricia clarki	
Henricia sanguinolenta	
Henricia aspera	
Henricia leviuscula	
Henricia tumida	
Henricia asthenactis	
Henricia longispina	
Leptasterias polaris	
Leptasterias sp.	
Leptasterias camtschatica	
Gephyreaster swifti	
Pseudarchaster sp.	
Pseudarchaster parelii alascensis	
Hippasteria sp.	
Hippasteria californica	
Hippasteria heathi	
Hippasteria spinosa	
Pseudarchaster parelii	
Mediaster sp.	
Mediaster aequalis	
Ceramaster sp.	
Ceramaster japonicus	red bat star

**Appendix N Non-Target Species List Compiled from RACEBASE**

**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Ceramaster patagonicus	orange bat star
Ceramaster arcticus	
Luidia sp.	
Luidia foliolata	
Dermasterias imbricata	
Solaster sp.	
Solaster endeca	
Solaster sp. B	
Solaster dawsoni	
Solaster stimpsoni	
Solaster paxillatus	
Crossaster sp.	
Crossaster borealis	
Crossaster papposus	rose sea star
Heterozonias alternatus	
Lophaster sp.	
Lophaster furcilliger	
Pteraster sp.	
Pteraster temnochiton	
Pteraster tessellatus	
Pteraster jordani	
Pteraster militaris	
Pteraster tessellatus arcuatus	
Pteraster obscurus	
Pteraster pulvillus	
Diplopteraster multipes	
Asterias sp.	
Asterias amurensis	purple-orange seastar
Ctenodiscus sp.	
Ctenodiscus crispatus	common mud star
Leptychaster sp.	
Leptychaster pacificus	
Leptychaster arcticus	
Cladaster validus	
Dipsacaster sp.	
Dipsacaster borealis	
Benthopectinidae	
Luidiaster dawsoni	
Nearchaster sp.	
Nearchaster pedicellaris	
Brisingella exilis	
Myoxoderma platyacanthum	
Myoxoderma sacculatum	
Echinacea unident.	sea urchin unident.
Strongylocentrotus droebachiensis	green sea urchin
Strongylocentrotus sp.	
Strongylocentrotus echinoides	
Strongylocentrotus franciscanus	red sea urchin
Strongylocentrotus polyacanthus	
Strongylocentrotus purpuratus	purple sea urchin
Strongylocentrotus pallidus	white sea urchin
Alloccentrotus fragilis	orange-pink sea urchin

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**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Allocentrotus sp.	heart urchin unident.
Brisaster sp.	
Brisaster latifrons	sand dollar unident.
Echinarachnius parma	Parma sand dollar crinoid unident.
Heliometra glacialis	
Florometra sp.	
Florometra acririma	
Florometra serratissima	featherstar crinoid
Florometra asperima	
Ophiuroid unident.	brittlestarfish unident.
Gorgonocephalus eucnemis (G. caryi)	basketstarfish
Asteronyx sp.	
Asteronyx loveni	
Ophiura sarsi	
Amphiophiura ponderosa	
Ophiacantha sp.	
Ophiopholis sp.	
Ophiopholis longispina	
Ophiopholis aculeata	
Ophiothrix sp.	
Ophiothrix spiculata	
Amphiuridae unident.	
Holothuroidea unident.	sea cucumber unident.
Cucumaria japonica	
Parastichopus sp.	
Parastichopus leucothele	
Parastichopus californicus	
Pseudostichopus sp.	
Pseudostichopus mollis	sandy sea cucumber
Molpadia sp.	
Molpadia intermedia	
Pentamera lissoplaca	
Bathylotes sp.	
Cucumaria sp.	
Cucumaria fallax	
Stichopus japonicus	
Psolidae (Family)	
Psolus sp.	
Psolus fabricii	
Pannychia sp.	
Pannychia moseleyi	
Porifera	sponge unident. hairy lemon sponge vase sponge
Suberites sp.	
Suberites ficus	hermit sponge
Aphrocallistes vastus	clay pipe sponge white claypipe sponge
Mycale loveni	tree sponge

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**Table 8 (con't) GOA Non-specified Category**

<b>Scientific name</b>	<b>Common name</b>
Halichondria panicea	barrel sponge
	neon yellow vase sponge
Leucandra heathi	spiny vase sponge
Rhabdocalyptus sp.	cloud sponge
Mycale bellabellensis	lampshade sponge
	brain sponge
Phakellia cribrosa	
Myxilla incrustans	scallop sponge
	soft green sponge
	mushroom sponge
Polymastia sp.	spud sponge
	club sponge
Leucosolenia blanca	yellow leafy sponge
Tethya sp.	ball sponge
Hylonema sp.	fiberoptic sponge
	staghorn sponge
	orange ball sponge
	orange sponge
	yellow bowl sponge
Polymastia pachymastia	black-orange spud sponge
Halichondria sitiens	black papillate sponge
Halichondria cf. sitiens	yellow green papillate sponge
	orange encrusting sponge
	firm yellow green sponge
	drumstick sponge
Stylissa sp.	
stone sponge	
Neoesperiopsis rigida	soft finger sponge
Hexactinellida	glass sponge unident.
Platyhelminthes (phylum)	flatworm unident.
Polycladida (order)	polyclad flatworm unident.
Acoelida (order)	acoel turbellarian
Nemertea (phylum)	nemertean worm unident.
Nematoda (phylum)	nematode worm unident.
Sipuncula (phylum)	sipunculid worm unident.
Echiura (phylum)	echiuroid worm unident.
Bryozoa unident.	bryozoan unident.
	fluffy sponge
Eucratea loricata	feathery bryozoan
Flustra serrulata	leafy bryozoan
Myriozoum subgracile	
Porella compressa	flattened bryozoan
Escharopsis sarsi	
Rhamphostomella costata	ribbed bryozoan
brachiopod unident.	lampshells unident.
Terebratulina sp.	
Terebratalia transversa	common brachiopod
Terebratulina unguicula	shakeshead brachiopod
Laqueus californianus	
Ascidian unident.	tunicate unident.
	cow-eye tunicate (new species a)
Thaliacea unident.	salps unident.
Styela rustica	sea potato

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<b>Scientific name</b>	<b>Common name</b>
Boltenia sp.	
Boltenia villosa	
Boltenia ovifera	
Halocynthia sp.	sea peach unident.
Halocynthia aurantium	sea peach
Botrylloides sp.	
	compound ascidian unident.
Aplidium sp.	sea glob
Synoicum sp.	sea blob
Ascidia paratropa	glassy tunicate
Halocynthia hispidus	hairy tunicate
Molgula sp.	
Molgula griffithsii	sea grape
Molgula retortiformis	sea clod
	invertebrate unident.