

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

	Scientific name	Common name
50 species codes	<i>Ammodytes hexapterus</i>	Pacific sand lance
	<i>Bathylagidae</i> unident.	deepsea smelt unident.
	<i>Bathylagus pacificus</i>	Pacific blacksmelt
	<i>Bathylagus</i> sp.	blacksmelt unident.
	<i>Bathylagus milleri</i>	robust blacksmelt
	<i>Leuroglossus schmidtii</i>	northern smoothtongue
	<i>Bathylagus ochotensis</i>	popeye blacksmelt
	<i>Leuroglossus stilbius</i>	California smoothtongue
	<i>Trichodon trichodon</i>	Pacific sandfish
	<i>Gonostomatidae</i>	bristlemouth unident.
	<i>Cyclothone</i> sp.	
	<i>Cyclothone acclinidens</i>	benttooth bristlemouth
	<i>Sternoptychidae</i> unident.	hatchetfish unident.
	<i>Myctophidae</i>	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
	<i>Osmeridae</i>	smelt unident.
	<i>Thaleichthys pacificus</i>	eulachon
	<i>Mallotus villosus</i>	capelin
	<i>Osmerus mordax</i>	rainbow smelt
	<i>Hypomesus olidus</i>	pond smelt
	<i>Stichaeidae</i>	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
	<i>Pholidae</i>	gunnel unident.

Appendix N Non-Target Species List Compiled from RACEBASE

Table 2 GOA Forage Category

	Scientific name	Common name
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 schmidtii</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>Argyrolepecus</i> sp.	
	<i>Argyrolepecus 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 rothrocki</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.	

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Table 2 (con't) GOA Forage Category

Scientific name	Common name
Pholidae	gunnel unident.
Pholis sp.	
Pholis laeta	crescent gunnel

Table 3 BSAI Prohibited Category

	Scientific name	Common name
22 species codes	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

	Scientific name	Common name
23 species codes	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

Scientific name	Common name
Paralithodes platypus	blue king crab
Paralithodes brevipes	brown king crab
Paralithodes californiensis	

Table 5 BSAI Other Category

Scientific name	Common name
	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 miacanthus	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

Scientific name	Common name
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 scepticus	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 uncinatus	uncinate sculpin
Rastrinus scutiger	roughskin sculpin
Jordania zonope	longfin sculpin
Icelus sp.	

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Table 5 (con't) BSAI Other Category

Scientific name	Common name
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

	Scientific name	Common name
103 species codes	Chondrichthyes unident.	shark unident.
	Hexanchus griseus	cartilaginous fish unident.
	Lamna ditropis	sixgill shark
	Cetorhinus maximus	salmon shark
	Squalus acanthias	basking shark
	Somniosus pacificus	spiny dogfish
	Rajidae unident.	Pacific sleeper shark
		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 binoculata	big skate
	Bathyraja interrupta	Bering skate
	Raja rhina	longnose skate
	Raja stellulata	starry skate
	Bathyraja taranetzi (=Rhinochimaera 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

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

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Table 6 (con't) GOA Other Category

Scientific name	Common name
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

	Scientific name	Common name
812 species codes	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.

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

Scientific name	Common name
Nansenia candida	bluethroat argentine
Bathymasteridae	ronquil unident.
Ronquilus jordani	northern ronquil
Bathymaster caeruleofasciatus	Alaskan ronquil
Bathymaster signatus	searcher
Bathymaster derjugini	
Rathbunella hypoplecta	smooth ronquil
Ophidiidae	cuskeel 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

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

Scientific name	Common name
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
Allocyttus 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

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

Appendix N Non-Target Species List Compiled from RACEBASE

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

Scientific name	Common name
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	
Cryptothelia trophostega	
Cyclohelix lanceolata	
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	

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

Scientific name	Common name
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	
Balanus evermanni	giant barnacle
Balanus hesperius	crab barnacle
Balanus rostratus	beaked barnacle
	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

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

Appendix N Non-Target Species List Compiled from RACEBASE

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

Scientific name	Common name
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
Lithodidae unident.	stone crab unident.
Acantholithodes hispidus	fuzzy crab
Dermaturus mandti	
Hapalogaster sp.	
Hapalogaster grebnitzkii	
Rhinolithodes wosnessenskii	rhinoceros crab
Paralomis multispina	
Placetrion wosnessenskii	scaled crab
Erimacrus isenbeckii	horsethair crab
Hyas sp.	
Pugettia sp.	kelp crab
Pugettia gracilis	
Scyra acutifrons	
Galatheididae (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

Scientific name	Common name
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.
	snail unident.
Gastropod 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	

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

Scientific name	Common name
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	

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

Scientific name	Common name
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 virdula	northern admete
Admete laevior	
Admete regina	noble admete

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

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

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

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

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Scientific name	Common name
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	
Brsingella 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

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

Appendix N Non-Target Species List Compiled from RACEBASE

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

Scientific name	Common name
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
Myrionozoum subgracile	
Porella compressa	flattened bryozoan
Escharopsis sarsi	
Rhaphidostomella 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

Scientific name	Common name
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

	Scientific name	Common name
	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 infraspinus	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

Scientific name	Common name
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

Scientific name	Common name
Paraliparis dactylosus	red snailfish
Paraliparis deani	prickly snailfish
Paraliparis sp.	
Nectoliparis pelagicus	tadpole snailfish
Rhinoliparis barbifer	
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
Lyconectes 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

Scientific name	Common name
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

Scientific name	Common name
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	
Cyclohelix lancellata	
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

Scientific name	Common name
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

Scientific name	Common name
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	
Pagurus sp.	hermit crab unident.
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

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

Scientific name	Common name
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 trifida	
Lepidozona abyssicola	
Amicula vestita	
Placiphorella sp.	
Placiphorella pacifica	
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
Chlamylla 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 moonsnail
Natica sp.	
Natica clausa	Arctic moonsnail
Natica aleutica	Aleutian moonsnail
Natica russa	rusty moonsnail
Nucella lamellosa (=Thais lamellosa)	frilled dogwinkle
Polinices lewisi	
Polinices sp.	
Polinices pallidus	pale moonsnail
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

Scientific name	Common name
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 horsemussel
Mytilus sp.	

Appendix N Non-Target Species List Compiled from RACEBASE

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

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

Appendix N Non-Target Species List Compiled from RACEBASE

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

Scientific name	Common name
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

Scientific name	Common name
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

Appendix N Non-Target Species List Compiled from RACEBASE

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

Scientific name	Common name
Allocentrotus sp.	heart urchin unident.
Brisaster sp.	
Brisaster latifrons	
Echinarachnius parma	sand dollar unident. 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

Appendix N Non-Target Species List Compiled from RACEBASE

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

Scientific name	Common name
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
Stylissa sp.	drumstick sponge
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
Myriozoom 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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Scientific name	Common name
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.