

Species List

Numbers of live and dead animals by species encountered in derelict fishing gear in the Puget Sound by the Northwest Straits Initiative project, 2002-present
Updated - 11/30/2011

Group	Local Common Name	Scientific Name	Number Alive	Number Dead	Total	Info Link	Federal Status*	State Status*
Mammals (4 unique species)								
	California sea lion	Zalophus californianus	-	2	2	Sea Lion		
	Harbor Porpoise	Phocoena phocoena	-	4	4	Harbor Porpoise		CS
	Harbor Seal	Phoca vitulina	-	38	38	Harbor Seal		
	marine mammal unid.	Cetecea	-	2	2	Marine Mammal		
	river otter	Lontra canadensis	-	2	2	River Otter		
		Subtotal Mammals	-	48	48			
Birds (18 unique species)								
	Barrow's Goldeneye	Bucephala islandica	-	1	1	Barrow's Goldeneye		
	Brandt's Cormorant	Phalacrocorax penicillatus	-	159	159	Brandt's Cormorant		CS
	Bufflehead	Bucephala albeola	-	1	1	Bufflehead		
	Common Loon	Gavia immer	-	11	11	Common Loon		SS
	Cormorant unid.	Phalacrocoracidae sp.	-	33	33	Cormorant		
	Cormorant unid.	Phalacrocorax sp.	-	121	121	Cormorant		
	Double-crested Cormorant	Phalacrocorax auritus	-	7	7	Double-crested Cormorant		
	Great Blue Heron	Ardea herodias	-	1	1	Great Blue Heron		
	Grebe unid.	Aechmophorus sp.	-	20	20	Grebe		
	Grebes	Podicipedidae	-	2	2	Grebe		
	Gull unid.	Larus sp.	-	2	2	Gull		
	Loon unid.	Gavia sp.	-	4	4	Loon		
	Merganser	Mergus sp.	-	1	1	Merganser		
	Murre unid.	Uria sp.	-	9	9	Murre		
	Pacific Loon	Gavia pacifica	-	35	35	Pacific Loon		
	Pelagic Cormorant	Phalacrocorax pelagicus	-	194	194	Pelagic Cormorant		
	Pigeon Guillemot	Cepphus columba	-	3	3	Pigeon Guillemot		
	Red-necked Grebe	Podiceps grisegena	-	15	15	Red-necked Grebe		
	Red-throated Loon	Gavia stellata	-	31	31	Red-throated Loon		
	Scoter unid.	Melanitta sp.	-	22	22	Scoters		
	seabird unid.		-	104	104	Seabirds		
	shorebird Unid.		-	1	1	Shorebirds		
	Surf Scoter	Melanitta perspicillata	-	31	31	Surf Scoter		
	Swans	Cygnus	-	1	1	Swans		
	Waterbird Unid.	Anatidae sp.	-	5	5	Waterbirds		
	White-winged Scoter	Melanitta fusca	-	15	15	White-winged Scoter		
		Subtotal Birds	-	829	829			

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Fish (45 unique species)							
arrowtooth flounder	Reinhardtius stomias	-	1	1	arrowtooth flounder		
big skate	Raja binoculata	8	2	10	Big Skate		
black rockfish	Sebastes melanops	5	59	64	Black Rockfish		CS
brown rockfish	Sebastes auriculatus	-	1	1	brown rockfish		CS
buffalo sculpin	Enophrys bison	4	56	60	Buffalo Sculpin		
cabezon	Scorpaenichthys marmoratus	22	68	90	Cabezon		
canary rockfish	Sebastes pinniger	-	1	1	Canary Rockfish	T	
cartilaginous fish unid.	Chondrichthyes sp.	-	28	28	Cartilaginous Fish		
China rockfish	Sebastes nebulosus	1	-	1	China rockfish		CS
Chinook salmon	Oncorhynchus tshawytscha	-	7	7	Chinook Salmon	T	CS
chum salmon	Oncorhynchus keta	-	13	13	chum salmon		
copper rockfish	Sebastes caurinus	4	17	21	Copper Rockfish		CS
decorated warbonnet	Chirolophis decoratus	17	-	17	Decorated Warbonnet		
English sole	Parophrys vetulus	5	9	14	English Sole		
fish unid.		2	144	146	Fish		
flatfish unid.	Pleuronectidae sp.	3	95	98	Flatfish		
great sculpin	Myoxocephalus polyacanthoceph	9	74	83	great sculpin		
greenling unid.	Hexagrammos sp.	1	18	19	Greenling		
gunnels	Apodichthys	96	6	102	gunnels		
Irish lord unid.	Hemilepidotus sp.	3	16	19	Irish Lords		
kelp greenling	Hexagrammos decagrammus	34	122	156	kelp greenling		
lingcod	Ophiodon elongatus	17	264	281	lingcod		
longfin sculpin	Jordania zonope	6	-	6	longfin sculpin		
longnose skate	Raja rhina	1	-	1	longnose skate		
northern ronquil	Ronquilus jordani	2	1	3	northern ronquil		
northern spearnose poacher	Agonopsis vulsa	1	-	1	northern spearnose poacher		
Pacific cod	Gadus macrocephalus	1	3	4	Pacific cod		CS
Pacific herring	Clupea pallasii	-	1	1	Pacific herring		
Pacific sanddab	Citharichthys sordidus	28	51	79	Pacific sanddab		
Pacific staghorn sculpin	Gymnocanthus tricuspis	15	1	16	Pacific staghorn sculpin		
plainfin midshipman	Porichthys notatus	-	1	1	plainfin midshipman		
prickleback unid.	Stichaeidae sp.	31	-	31	prickleback unid.		
Puget Sound rockfish	Sebastes emphaeus	10	4	14	Puget Sound rockfish		
quillback rockfish	Sebastes maliger	15	27	42	quillback rockfish		CS
red Irish lord	Hemilepidotus hemilepidotus	49	48	97	red Irish lord		
righteyed flounders	Pleuronectidae	-	8	8	righteyed flounders		
rock sole	Lepidopsetta bilineata	-	14	14	rock sole		
rockfish unid.	Scorpaenidae sp.	32	50	82	rockfish		
rockfish unid.	Sebastes sp.	-	11	11	rockfish		
sailfin sculpin	Nautichthys oculofasciatus	28	2	30	sailfin sculpin		
salmonid unid.	Oncorhynchus sp.	-	163	163	salmon		
scalyhead sculpin	Arteidius harringtoni	1	-	1	scalyhead sculpin		

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sculpin unid.	Cottidae sp.	18	13	31	sculpin		
sixgill shark	Hexanchus griseus	-	1	1	sixgill shark		
skates	Rajiformes	1	4	5	skates		
slender sole	Lyopsetta exilis	-	3	3	slender sole		
sockeye salmon	Oncorhynchus nerka	-	25	25	sockeye salmon		
spiny dogfish shark	Squalus acanthias	31	286	317	spiny dogfish shark		
spotted ratfish	Hydrolagus colliei	6	171	177	spotted ratfish		
staghorn sculpin	Leptocottus armatus	10	-	10	staghorn sculpin		
starry flounder	Platichthys stellatus	62	148	210	starry flounder		
striped surf perch	Embiotoca lateralis	1	-	1	striped surf perch		
sturgeons (white)	Acipenser sp.	-	1	1	sturgeon	SOC	
tidepool sculpin	Oligocottus maculosus	-	1	1	tidepool sculpin		
wolf eel	Anarrhichthys felis	-	1	1	wolf eel		
yellowtail rockfish	Sebastes flavidus	1	2	3	yellowtail rockfish		CS
	Subtotal Fish	581	2,042	2,623			
Invertebrates (170 unique species)							
basket star	Gorgonocephalus eucnemis	5	-	5	basket star		
bat star	Asterina miniata	5	-	5	bat star		
bent nose macoma	Macoma nasuta	26	30	56	bent nose macoma		
black clawed shore crab	Lophopanopeus bellus bellus	38	1	39	black clawed shore crab		
black katy chiton	Katharina tunicata	6	-	6	black katy chiton		
black-clawed crab	Lophopanopeus bellus bellus	178	6	184	black-clawed crab		
black-eyed hermit	Pagurus armatus	45	1	46	black-eyed hermit		
blood star	Henricia leviuscula	3,970	87	4,057	blood star		
blood worm	Glycera americana	58	-	58	blood worm		
blue mussel	Mytilus trossulus	2,071	575	2,646	blue mussel		
blue topsnail	Calliostoma ligatum	1,145	41	1,186	blue topsnail		
blunt gaper	Mya truncata	14	69	83	blunt gaper		
bread crumb sponge	Halichondria sp.	15	-	15	bread crumb sponge		
brittle star unid.	Ophiuroidea sp.	240	2	242	brittle star unid.		
brown box crab	Lopholithodes foraminatus	-	1	1	brown box crab		
butter clam	Saxidomus gigantea	427	26,068	26,495	butter clam		
butterfly crab	Cryptolithodes typicus	4	-	4	butterfly crab		
California sea cucumber	Parastichopus californicus	7,859	69	7,928	California sea cucumber		
California sunset clam	Gari californica	-	12	12	California sunset clam		
cancellate hairsnail	Trichotropis cancellata	102	1	103	cancellate hairsnail		
channelled dogwinkle	Nucella canaliculata	5	-	5	channelled dogwinkle		
checkered periwinkle	Littorina scutulata	1	-	1	checkered periwinkle		
clam worm	Nereis vexillosa	145	-	145	clam worm		
cloud sponge	Aphrocallistes vastus	5	-	5	cloud sponge		
clown doris	Triopha catalinae	218	10	228	clown doris		
common Pacific octopus	Enteroctopus dofleini	11	-	11	common Pacific octopus		
coonstriped shrimp	Pandalus danae	231	30	261	coonstriped shrimp		

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corded trophon	Boretrophon macouni	-	20	20	corded trophon		
cryptic kelp crab	Pugettia richii	10,689	115	10,804	cryptic kelp crab		
cushion star	Pteraster tesselatus	43	-	43	cushion star		
daisy brittle star	Ophiopholis aculeata	2,330	-	2,330	daisy brittle star		
dark mahogany clam	Nuttallia obscurata	-	2	2	dark mahogany clam		
dire whelk	Lirabuccinum dirum	238	43	281	dire whelk		
Dungeness crab	Cancer magister	3,882	4,188	8,070	dungeness crab		
fat henricia	Henricia sanguinolenta	16	1	17	fat henrica		
frilled dogwinkle	Nucella lamellosa	106	79	185	frilled dogwinkle		
geoduck clam	Panopea abrupta	94	606	700	geoduck clam		
giant barnacle	Balanus nubilus	18,694	26,750	45,444	giant barnacle		
giant dendronotid	Dendronotus iris	1	-	1	giant dendronotid		
giant Pacific chiton	Cryptochiton stelleri	216	7	223	giant Pacific chiton		
giant plumose anemone	Metridium farcimen	27	-	27	giant plumose anemone		
giant white doris	Archidoris odhneri	3	-	3	giant white doris		
glassy sea squirt	Ascidia paratropa	271	-	271	glassy sea squirt		
glove sponge	Neoesperiopsis digitata	86	59	145	glove sponge		
golfball crab	Rhinolithodes wosnessenski	131	31	162	golfball crab		
granular claw crab	Oedignathus inermis	5	3	8	granular claw crab		
green false-jingle	Pododesmus macroschisma	653	6,496	7,149	green false-jingle		
green sea urchin	Strongylocentrotus droebachiensi	5,306	278	5,584	green sea urchin		
gunpowder star	Gephyreaster swifti	1	-	1	gunpowder star		
hairy cancer crab	Cancer oregonensis	1,407	72	1,479	hairy cancer crab		
hairy hermit crab	Pagurus hirsutiusculus	2	-	2	hairy hermit crab		
hairy lithodid	Hapalogaster mertensii	12	1	13	hairy lithodid		
heart crab	Phyllolithodes papillosus	64	11	75	heart crab		
helmet crab	Telmessus cheiragonus	34	10	44	helmet crab		
hermit crab sponge	Suberities suberea	6	-	6	hermit crab sponge		
hermit crab unid.	Paguridae sp.	71	-	71	hermit crab		
horse clam	Tresus sp.	165	1,502	1,667	horse clam		
horsehair crab	Erimacrus isenbeckii	2	-	2	horsehair crab		
horseshoe ascadian	Chelyosoma productum	4,272	-	4,272	horseshoe ascadian		
hudson's doris	Acanthodoris hudsoni	10	-	10	hudson's doris		
humpback shrimp	Pandalus hypsinotus	63	6	69	humpback shrimp		
kelp isopods	isopoda	7	-	7	kelp isopods		
Kennerley venus	Humilaria kennerleyi	8	328	336	Kennerley venus		
lampshell	Terebratalia transversa	3,830	757	4,587	lampshell		
leafy hornmouth	Ceratostoma foliatum	1,404	376	1,780	leafy hornmouth		
lean nassa	Nassarius mendicus cooperi	125	51	176	lean nassa		
leopard doris	Diaulula sandiegensis	17	10	27	leopard doris		
lined chiton	Tonicella lineata	11	-	11	lined chiton		
lined ribbon worm	Tubulanus sexlineatus	2	-	2	lined ribbon worm		
long ray star	Stylasterias forreri	2	-	2	long ray star		

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longarm brittle star	Amphiodia urtica	29	-	29	longarm brittle star	
longhorn decorator crab	Chorilia longipes	5,169	219	5,388	longhorn decorator crab	
lyre crab	Hyas lyratus	36	12	48	lyre crab	
lyre whelk	Neptunea lyrata	25	-	25	lyre whelk	
manilla clam	Venerupis philippinarum	11	55	66	manilla clam	
mask limpet	Tectura persona	3	50	53	mask limpet	
metridium anemone	Metridium giganteum	98	-	98	metridium anemone	
Monterey sea lemon	Archidoris montereyensis	10	-	10	Monterey sea lemon	
moon snail	Euspira lewisii	4	6	10	moon snail	
morning sunstar	Solaster dawsoni	54	2	56	morning sunstar	
mossy chiton	Mopalia muscosa	17	1	18	mossy chiton	
mottled star	Evasterias troschelii	97	6	103	mottled star	
mudstar	Ctenodiscus crispatus	11	-	11	mudstar	
ninetooth pebble crab	Cycloxanthops novemdentatus	5	-	5	ninetooth pebble crab	
northern abalone	Haliotis kamtschatkana	1	10	11	northern abalone	CS
northern horse mussel	Modiolus modiolus	16	15	31	northern horse mussel	
northern kelp crab	Pugettia producta	621	82	703	northern kelp crab	
Nuttall's cockle	Clinocardium nuttalli	11	807	818	Nuttall's cockle	
ochre star	Pisaster ochraceus	134	2	136	ochre star	
orange sea cucumber	Cucumaria miniata	157	-	157	orange sea cucumber	
orange sunstar	Solaster paxillatus	1	-	1	orange sunstar	
Oregon triton	Fusitriton oregonensis	2,973	1,014	3,987	Oregon triton	
Pacific blue mussel	Mytilus edulis	1,660	320	1,980	Pacific blue mussel	
Pacific gaper	Tresus nuttallii	3	21	24	Pacific gaper	
Pacific littleneck clam	Protothaca staminea	40	1,426	1,466	Pacific littleneck clam	
Pacific oyster	Crassostrea gigas	6	5	11	Pacific oyster	
Pacific razor clam	Siliqua patula	1	60	61	Pacific razor clam	
painted anemone	Urticina felina	76	-	76	painted anemone	
painted star	Orthasterias koehleri	225	19	244	painted star	
peanut worms	Sipuncula	158	-	158	peanut worms	
peppered sea cucumber	Cucumaria piperata	4	-	4	peppered sea cucumber	
plain tellin	Tellina modesta	-	6	6	plain tellin	
pointed macoma	Macoma inquinata	-	2	2	pointed macoma	
porcelain crab	Petrolisthes sp.	913	16	929	porcelain crab	
prawn	Pandalus platyceros	14	-	14	prawn	
primitive ribbon worm	Tubulanus polymorphus	592	3	595	primitive ribbon worm	
Puget Sound king crab	Lopholithodes mandtii	120	125	245	Puget Sound king crab	
purple ring topsnail	Calliostoma annulatum	398	7	405	purple ring topsnail	
purple sea urchin	Strongylocentrotus purpuratus	5	-	5	purple sea urchin	
purple shore crab	Hemigrapsus nudus	3	-	3	purple shore crab	
pygmy rock crab	Cancer oregonensis	87	4	91	pygmy rock crab	
red fur crab	Acantholithodes hispidus	16	5	21	red fur crab	
red octopus	Octopus rubescens	6	-	6	red octopus	

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red rock crab	<i>Cancer productus</i>	2,379	2,993	5,372	red rock crab		
red sea urchin	<i>Strongylocentrotus franciscanus</i>	875	156	1,031	red sea urchin		
red sponge nudibranch	<i>Rostanga pulchra</i>	2	-	2	red sponge nudibranch		
ridged blood star	<i>Henricia aspera</i>	184	4	188	ridged blood star		
rock scallop	<i>Crassadoma gigantea</i>	52	420	472	rock scallop		
rose star	<i>Crossaster papposus</i>	60	-	60	rose star		
rose-painted semele	<i>Semele rubropicta</i>	1	9	10	rose-painted semele		
roughpatch shrimp	<i>Pandalus stenolepis</i>	11	-	11	roughpatch shrimp		
sandpaper trophon	<i>Nipponotrophon lasius</i>	1	3	4	sandpaper trophon		
scale worm	<i>Halosydna brevisetosa</i>	55	-	55	scale worm		
scaly lithodid	<i>Placetron wosnessenskii</i>	43	28	71	scaly lithodid		
sea lemon	<i>Anisodoris nobilis</i>	18	1	19	sea lemon		
sharp-nosed crab	<i>Scyra acutifrons</i>	1,040	3	1,043	sharp-nosed crab		
shiny orange sea squirt	<i>Cnemidocarpa finmarkiensis</i>	39	-	39	shiny orange sea squirt		
short plumose anemones	<i>Metridium senile</i>	1	-	1	short plumose anemones		
sickle jackknife clam	<i>Solen sicarius</i>	1	6	7	sickle jackknife clam		
slender cancer crab	<i>Cancer gracilis</i>	176	30	206	slender cancer crab		
slender decorator crab	<i>Oregonia gracilis</i>	1,585	-	1,585	slender decorator crab		
slender kelp crab	<i>Pugettia gracilis</i>	2,959	2	2,961	slender kelp crab		
smooth pink scallop	<i>Chlamys rubida</i>	9,782	24,544	34,326	smooth pink scallop		
snail unid.	Gastropoda	-	1	1	snail unid.		
softshell clam	<i>Mya arenaria</i>	5	17	22	softshell clam		
spiny mudstar	<i>Luidia foliolata</i>	5	-	5	spiny mudstar		
spiny pink shrimp	<i>Pandalus eous</i>	4	-	4	spiny pink shrimp		
spiny pink star	<i>Pisaster brevispinus</i>	29	-	29	spiny pink star		
spiny sea squirt	<i>Halocynthia hilgendorfi igaboja</i>	2,875	105	2,980	spiny sea squirt		
spiny top snail	<i>Cidarina cidaris</i>	10	9	19	spiny top snail		
spiny scallop	<i>Chlamys hastata</i>	249	644	893	spiny scallop		
spot shrimp	<i>Pandalus platyceros</i>	107	1	108	spot shrimp		
squat lobster	<i>Munida quadrispina</i>	2	-	2	squat lobster		
staghorn bryozoan	<i>Heteropora magna</i>	16	-	16	staghorn bryozoan		
stalked hairy sea squirt	<i>Boltenia villosa</i>	25,386	151	25,537	stalked hairy sea squirt		
straight horsemussel	<i>Modiolus rectus</i>	15	42	57	straight horsemussel		
star unid.	Asteroidea sp.	28	7	35	star unid.		
striped dogwinkle	<i>Nucella emarginata</i>	36	3	39	striped dogwinkle		
striped sun star	<i>Solaster stimpsoni</i>	54	3	57	striped sun star		
sunflower star	<i>Pycnopodia helianthoides</i>	699	37	736	sunflower star		
tabled whelk	<i>Neptunea tabulata</i>	3	2	5	tabled whelk		
tanner crab	<i>Chionoecetes bairdi</i>	8	4	12	tanner crab		
taylor mussel	<i>Musculus taylori</i>	33	4	37	taylor mussel		
tellina unid.	Tellina sp.	1	1	2	tellina unid.		
tennis ball sponge	<i>Craniella villosa</i>	62	-	62	tennis ball sponge		
thick-claw porcelain crab	<i>Pachycheles rudis</i>	49	-	49	thick-claw porcelain crab		

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transparent sea squirt	Corella willmeriana	206	-	206	transparent sea squirt		
tube worm	Phoronid	365	20	385	tube worm		
umbrella crab	Cryptolithodes sitchensis	10	-	10	umbrella crab		
variegated amphissa	Amphissa versicolor	278	114	392	variegated amphissa		
vermillion sea star	Mediaster aequalis	15	-	15	vermillion sea star		
wavy-line astarte	Astarte esquamalti	7	1	8	wavy-line astarte		
weathervane scallop	Patinopecten caurinus	2	-	2	weathervane scallop		
western ringed lucina	Lucinoma annulatum	-	27	27	western ringed lucina		
white dendronotid	Dendronotus albus	1	-	1	white dendronotid		
white sea cucumber	Eupentacta quinquesemita	346	5	351	white sea cucumber		
widehand hermit	Elassochirus tenuimanus	7	-	7	widehand hermit		
winged trophon	Boreotrophon stuarti	2	-	2	winged trophon		
yellow encrusting sponge	Myxilla lacunosa	576	1	577	yellow encrusting sponge		
yellow margin dorid	Cadlina luteomarginata	38	-	38	yellow margin dorid		
yellow sponge	Spongia barbara	8	-	8	yellow sponge		
	Subtotal Invertebrates	135,741	102,503	238,244			
Coral (3 unique species)							
hydroid coral	Abietinaria greenei	-	-	-	hydroid coral		
orange cup coral	Tubastraea coccinea	-	-	-	orange cup coral		
pink hydrocoral unid.	Stylaster sp.	-	-	-	pink hydrocoral unid.		
	Subtotal Coral	-	-	-			
	Grand Total (240 unique species)	136,323	105,422	241,744			

ESA Designation

- SOC - Species of Concern
- SS - Sensitive Species in Puget Sound
- CS- Candidate Species in Puget Sound
- T - Threatened in Puget Sound
- E - Endangered in Puget Sound