

## APPENDIX 1: SPECIES SCORES

Table 22. Scores for species, except birds. Trophic level and maximum size, and vulnerability category obtained from FishBase or SeaLifeBase. Vulnerability categories are L, Low; M, Moderate; H, High; VH, Very High; L-M, M-H, and H-VH indicate intermediate scores. \* Under Trophic Level indicates that the estimated trophic level from FishBase is inconsistent with what is known of the life history of that species, or which was based on smaller/younger individuals that had yet to undergo size-based ontogenetic diet shifts that would give them a higher trophic level score. An average value was calculated if more than one trophic level value was reported on FishBase or SeaLifeBase (e.g., a range or two values). Scores under 1.1. to 1.5. reflect the scoring schemes described in section 4.1.3. CC: Conservation Concern. Recommended CPs are those that received scores of 2 for any of criteria 1.1 to 1.5. or which received scores of 1 or 2 under 1.5.

Higher Group	Species Group	Common Name	Scientific Name	Trophic Level	Max Size (cm; Total or standard length); fish only	Vulnerability Category	1.1.S1. Vulnerable Species	1.2.S1. Upper-level Predators	1.2.S2. Forage Species	1.2.S3. Nutrient Transporting Species	1.2.S4. Habitat-forming Species	1.5.S1 Any CC	Global CC	National CC	Regional CC	Recommended CP
Bony Fishes	Flatfish	Arrowtooth	<i>Atheresthes stomias</i>	4.2	84	H	2	2	-	*	-	*	*	*	*	X
		Butter Sole	<i>Isopsetta isolepis</i>	3.6	55	L-M	0	1	-	*	-	*	*	*	*	-
		Dover Sole	<i>Microstomus pacificus</i>	3.2	76	H-VH	2	1	-	*	-	*	*	*	*	X
		English Sole	<i>Parophrys vetulus</i>	3.4	57	M	1	1	-	*	-	*	*	*	*	-
		Flathead Sole	<i>Hippoglossoides elassodon</i>	3.7	52	M	1	0	-	*	-	*	*	*	*	-
		Pacific Halibut	<i>Hippoglossus stenolepis</i>	4.1	267	VH	2	2	-	1	-	*	*	*	*	X
		Pacific Sanddab	<i>Citharichthys sordidus</i>	3.5	41	L-M	0	0	-	*	-	*	*	*	*	-
		Petrale Sole	<i>Eopsetta jordani</i>	4.1	70	H	2	1	-	0	-	0	0	*	*	X
		Rex Sole	<i>Glyptocephalus zachirus</i>	3.3	60	H	2	1	-	0	-	*	*	*	*	X
		Rock Sole	<i>Lepidopsetta bilineata</i>	3.2	60	H	2	1	-	0	-	*	*	*	*	X
		Sand Sole	<i>Psettichthys melanostictus</i>	4.1	63	M	1	1	-	0	-	*	*	*	*	-
		Slender Sole	<i>Lyopsetta exilis</i>	3.5	35	M-H	1	0	-	*	-	0	0	*	*	-
		Speckled Sanddab	<i>Citharichthys stigmaeus</i>	3.4	17	L	0	0	-	*	-	*	*	*	*	-
		Starry Flounder	<i>Platichthys stellatus</i>	3.6	91	M-H	1	1	-	*	-	0	0	*	*	-
	Forage Fishes	Capelin	<i>Mallotus villosus</i>	3.2	25.2	L	0	0	2	*	-	0	0	*	*	X
		Eulachon	<i>Thaleichthys pacificus</i>	3.3	34	L-M	0	0	2	2	-	2	0	2	2	X
		Longfin Smelt	<i>Spirinchus thaleichthys</i>	3.2	20	L-M	0	0	1*	1*	-	0	0	*	*	-
		Northern Anchovy	<i>Engraulis mordax</i>	3.1	24.8	L-M	0	0	1*	*	-	0	0	*	*	-
		Pacific Herring	<i>Clupea pallasii</i>	3.2	46	L-M	0	0	2	2	-	*	*	*	*	X

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Bony Fishes (cont'd)	Forage Fishes (cont'd)	Pacific Sand Lance	<i>Ammodytes hexapterus</i>	3.1	30	L-M	0	0	2	0	-	*	*	*	*	X
		Pacific Sardine	<i>Sardinops sagax</i>	2.8	39.5	L-M	0	0	1*	1	-	1	*	1	*	X
		Pacific Saury	<i>Cololabis saira</i>	3.7	40	L-M	0	0	1*	1*	-	*	*	*	*	-
		Surf Smelt	<i>Hypomesus pretiosus</i>	3.4	30.5	L-M	0	0	2	*	-	0	0	*	*	X
	Groundfishes	Cabazon	<i>Scorpaenichthys marmoratus</i>	3.6	99	M	1	1	-	0	-	*	*	*	*	-
		Kelp Greenling	<i>Hexagrammos decagrammus</i>	3.6	61	M-H	1	0	-	0	-	*	*	*	*	-
		Lingcod	<i>Ophiodon elongatus</i>	4.3	152	H	2	2	-	*	-	*	*	*	*	X
		Northern Ronquil	<i>Ronquilus jordani</i>	3.1	20	L	0	0	-	*	-	0	0	*	*	-
		Pacific Sandfish	<i>Trichodon trichodon</i>	4.0	30.5	L-M	0	0	1	*	*	*	*	*	*	-
		Prowfish	<i>Zaprora silenus</i>	3.7	88	M-H	1	1	-	*	-	0	0	*	*	-
		Sablefish	<i>Anoplopoma fimbria</i>	3.8*	120	H	2	2	-	1	-	*	*	*	*	X
		Wolf-eel	<i>Anarrhichthys ocellatus</i>	3.5	240	VH	2	1	-	*	-	0	0	*	*	X
	Mesopelagic fishes	Northern Lampfish	<i>Stenobrachius leucopsarus</i>	3.1	13	L-M	0	0	2	*	-	*	*	*	*	X
		Northern Smoothtongue	<i>Leuroglossus schmidtii</i>	3.1	20	M-H	1	0	2	*	-	*	*	*	*	X
	Native Salmonids	Chinook Salmon	<i>Oncorhynchus tshawytscha</i>	4.4	150	H-VH	2	2	1	2	-	0	*	0	0	X
		Chum Salmon	<i>Oncorhynchus keta</i>	3.7	100	M-H	1	1	1	2	-	0	*	0	0	X
		Coho Salmon	<i>Oncorhynchus kisutch</i>	4.2	108	M-H	1	2	1	2	-	0	*	0	0	X
		Cutthroat Trout	<i>Oncorhynchus clarkii</i>	3.8	99	M	1	2	1*	1	-	0	*	0	0	X
		Pink Salmon	<i>Oncorhynchus gorbuscha</i>	4.5	76	M	1	1	1*	2	-	0	*	0	0	X
		Sockeye Salmon	<i>Oncorhynchus nerka</i>	3.6	84	L-M	0	1	1	2	-	0	0	0	0	X
		Steelhead	<i>Oncorhynchus mykiss</i>	4.1	122	M	1	2	1*	1	-	0	*	0	0	X
		Dolly Varden	<i>Salvelinus malma lordi</i>	4.4	127	H-VH	2	2	*	*	-	*	*	*	*	X
	Pelagic Fishes	Albacore Tuna	<i>Thunnus alalunga</i>	4.3	140	H	2	2	-	1	-	1	1	*	*	X
		Jack Mackerel	<i>Trachurus symmetricus</i>	3.6	81	L-M	0	1	1*	1	-	0	0	*	*	-
		Ocean Sunfish	<i>Mola mola</i>	3.7	333	VH	2	1	-	1	-	2	2	*	*	X
		Pacific Chub Mackerel	<i>Scomber japonicus</i>	3.4	64	L-M	0	1	1*	1*	-	0	0	*	*	-
		Pacific Pomfret	<i>Brama japonica</i>	4.4	61	M	1	1	-	1*	-	*	*	*	*	-

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Bony Fishes (cont'd)	Rockfishes	Black Rockfish	<i>Sebastes melanops</i>	4.4	63	H-VH	2	1	1*	*	-	*	*	*	*	X
		Blackspotted Rockfish	<i>Sebastes melanostictus</i>	3.9	54	H-VH	2	2	1*	*	-	1	*	1	*	X
		Bocaccio	<i>Sebastes paucispinis</i>	3.5*	91	H	2	2	1*	*	-	2	2	2	*	X
		Canary Rockfish	<i>Sebastes pinniger</i>	3.8	76	H	2	1	1*	*	-	2	*	2	*	X
		China Rockfish	<i>Sebastes nebulosus</i>	3.9	45	H	2	0	1*	0	-	*	*	*	*	X
		Copper Rockfish	<i>Sebastes caurinus</i>	4.1	58	H	2	1	1*	0	-	*	*	*	*	X
		Darkblotched Rockfish	<i>Sebastes crameri</i>	3.8	58	H-VH	2	1	1*	*	-	1	*	1	*	X
		Dusky Rockfish	<i>Sebastes variabilis</i>	3.8	43.1	M-H	1	0	1*	*	-	*	*	*	*	-
		Greenstriped Rockfish	<i>Sebastes elongatus</i>	3.7	39	H	2	0	1*	*	-	*	*	*	*	X
		Pacific Ocean Perch	<i>Sebastes alutus</i>	3.5	53	H	2	0	1*	0	-	*	*	*	*	X
		Quillback Rockfish	<i>Sebastes maliger</i>	3.8	61	H	2	1	1*	0	-	2	*	2	*	X
		Redbanded Rockfish	<i>Sebastes babcocki</i>	3.8	64	M-H	1	1	1*	*	-	*	*	*	*	-
		Redstripe Rockfish	<i>Sebastes proriger</i>	3.8	61	H	2	1	1*	*	-	*	*	*	*	X
		Rosethorn Rockfish	<i>Sebastes helvomaculatus</i>	3.7	41	H-VH	2	0	1*	*	-	*	*	*	*	X
		Rougheye Rockfish	<i>Sebastes aleutianus</i>	3.5*	97	H-VH	2	2	1*	*	-	1	*	1	*	X
		Sharpchin Rockfish	<i>Sebastes zacentrus</i>	3.7	39	M-H	1	0	1*	*	-	*	*	*	*	-
		Shortraker Rockfish	<i>Sebastes borealis</i>	4.3	108	H-VH	2	2	1*	*	-	*	*	*	*	X
		Silvergray Rockfish	<i>Sebastes brevispinis</i>	3.8	71	H-VH	2	1	1*	*	-	*	*	*	*	X
		Tiger Rockfish	<i>Sebastes nigrocinctus</i>	3.5	61	H-VH	2	1	1*	*	-	*	*	*	*	X
		Vermilion Rockfish	<i>Sebastes miniatus</i>	3.9	91	H	2	1	1*	*	-	*	*	*	*	X
		Widow Rockfish	<i>Sebastes entomelas</i>	3.7	60	H	2	1	1*	*	-	*	*	*	*	X
		Yelloweye Rockfish	<i>Sebastes ruberrimus</i>	4.4	104	H-VH	2	2	1*	*	-	1	*	1	*	X
		Yellowmouth Rockfish	<i>Sebastes reedi</i>	3.8	58	H	2	1	1*	*	-	2	*	2	*	X
		Yellowtail Rockfish	<i>Sebastes flavidus</i>	4.2	66	H	2	1	1*	*	-	*	*	*	*	X
		Longspine Thornyhead	<i>Sebastolobus altivelis</i>	3.3	39	H	2	0	1*	0	-	1	*	1	*	X
		Shortspine Thornyhead	<i>Sebastolobus alascanus</i>	3.6	80	H-VH	2	1	1*	0	-	2	2	*	*	X

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Bony Fishes (cont'd)	Roundfishes	Pacific Cod	<i>Gadus macrocephalus</i>	4.2	119	M-H	1	2	0	0	-	*	*	*	*	X
		Pacific Hake	<i>Merluccius productus</i>	4.4	91	H	2	2	1	1	-	0	0	*	*	X
		Pacific Tomcod	<i>Microgadus proximus</i>	3.6	30.5	L-M	0	0	1*	*	-	0	0	*	*	-
		Walleye Pollock	<i>Theragra chalcogramma</i>	3.6	91	M-H	1	2	2	*	-	*	*	*	*	X
	Sturgeons	Green Sturgeon	<i>Acipenser medirostris</i>	3.5	270	VH	2	1	-	1	-	2	1	1	2	X
	Surfperches	Kelp Perch	<i>Brachyistius frenatus</i>	3.5	22	L	0	0	1*	*	-	*	*	*	*	-
		Pile Perch	<i>Rhacochilus vacca</i>	3.4	44	L-M	0	0	1*	*	-	0	0	*	*	-
		Shiner perch	<i>Cymatogaster aggregata</i>	3.0	20	L	0	0	2	*	-	0	0	*	*	X
		Striped Seaperch	<i>Embiotoca lateralis</i>	3.3	38	M	1	0	1*	*	-	*	*	*	*	-
Elasmobranchs	Demersal sharks	Brown Cat Shark	<i>Apristurus brunneus</i>	3.6	69	M-H	1	1	-	*	-	*	*	*	*	-
		Bluntnose Sixgill Shark	<i>Hexanchus griseus</i>	4.5	482	VH	2	2	-	0	-	1	1	1	*	X
		Pacific Sleeper Shark	<i>Somniosus pacificus</i>	4.4	430	VH	2	2	-	*	-	*	*	*	*	X
		Spiny Dogfish	<i>Squalus suckleyi</i>	4.4	130	H-VH	2	2	-	1	-	1	0	1	*	X
	Pelagic Sharks	Basking Shark	<i>Cetorhinus maximus</i>	3.2	1520	VH	2	1	-	1	-	2	2	2	*	X
		Blue Shark	<i>Prionace glauca</i>	4.4	400	VH	2	2	-	1	-	1	1	*	*	X
		Salmon Shark	<i>Lamna ditropis</i>	4.5	305	H	2	2	-	1	-	0	0	*	*	X
	Skates	Big Skate	<i>Raja binoculata</i>	3.9	244	VH	2	2	-	0	-	1	1	*	*	X
		Longnose Skate	<i>Raja rhina</i>	4.0	180	VH	2	2	-	*	-	0	0	*	*	X
		Roughtail Skate	<i>Bathyrāja trachura</i>	4.0	91	H-VH	2	2	-	*	-	0	0	*	*	X
		Sandpaper skate	<i>Bathyrāja interrupta</i>	3.4	86	H	2	1	-	*	-	0	0	*	*	X
Marine Mammals	Dolphins and Porpoises	Dall's Porpoise	<i>Phocoenoides dalli</i>	4.5	*	M	2	2	-	0	-	0	0	0	0	X
		Harbour Porpoise	<i>Phocoena phocoena</i>	4.5	-	M	2	2	-	0	-	1	0	1	1	X
		N. Right Whale Dolphin	<i>Lissodelphis borealis</i>	*	-	VH	2	0	-	1	-	0	0	0	0	X
		Pacific White-sided Dolphin	<i>Lagenorhynchus obliquidens</i>	*	-	M	2	2	-	1	-	0	0	0	0	X
		Risso's Dolphin	<i>Grampus griseus</i>	4.4	-	M	2	2	-	1	-	0	0	*	0	X

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Marine Mammals (cont'd)	Orcas	Northern Resident Orca	<i>Orcinus orca</i>	4.6	-	H-VH	2	2	-	1	-	2	*	2	2	X
		Offshore Population Orca	<i>Orcinus orca</i>	4.6	-	H-VH	2	2	-	1	-	2	*	2	2	X
		Southern Resident Orca	<i>Orcinus orca</i>	4.6	-	H-VH	2	2	-	1	-	2	*	2	2	X
		Transient Orca	<i>Orcinus orca</i>	4.6	-	H-VH	2	2	-	1	-	2	*	2	2	X
	Pinnipeds	California Sea Lion	<i>Zalophus californianus</i>	4.5	-	VH	2	2	-	1	-	0	0	0	0	X
		Harbour Seal	<i>Phoca vitulina</i>	4.5	-	H	2	2	-	0	-	0	0	0	0	X
		Northern Elephant Seal	<i>Mirounga angustirostris</i>	*	-	VH	2	2	-	1	-	2	0	0	2	X
		Northern Fur Seal	<i>Callorhinus ursinus</i>	4.5	-	M-H	2	2	-	1	-	2	2	2	2	X
		Steller Sea Lion	<i>Eumetopias jubatus</i>	4.4	-	H	2	2	-	1	-	1	1	1	1	X
	Sea otters	Sea Otter	<i>Enhydra lutris</i>	3.9	-	M-H	2	2	-	0	-	2	2	1	1	X
	Whales	Blue Whale	<i>Balaenoptera musculus</i>	3.3	-	VH	2	0	-	1	-	2	2	2	2	X
		Common Minke Whale	<i>Balaenoptera acutorostrata</i>	4.3	-	H	2	2	-	1	-	0	0	0	0	X
		Fin Whale	<i>Balaenoptera physalus</i>	4.0	-	VH	2	0	-	1	-	2	2	2	2	X
		Grey Whale	<i>Eschrichtius robustus</i>	3.3	-	H	2	1	-	1	-	1	0	1	1	X
		Humpback Whale	<i>Megaptera novaeangliae</i>	3.9	-	H	2	1	-	1	-	2	0	2	1	X
		North Pacific Right Whale	<i>Eubalaena japonica</i>	*	*	-	2	0	-	1	-	2	2	2	2	X
		Sei Whale	<i>Balaenoptera borealis</i>	4.0	-	VH	2	0	-	1	-	2	2	2	2	X
		Sperm Whale	<i>Physeter macrocephalus</i>	4.5	-	H	2	2	-	1	-	2	2	*	1	X
Reptiles	Turtles	Leatherback	<i>Dermochelys coriacea</i>	*	*	VH	2	1	-	1	-	2	2	2	2	X
Cnidarians	Cold-water corals	Black Corals	Antipatharia	*	*	-	2	0	0	0	2	-	-	-	-	X
		Hard or Stony Corals	Scleractinia	*	-	-	2	0	0	0	2	-	-	-	-	X
		Sea Pens	Pennatulacea	*	*	-	2	0	0	0	2	-	-	-	-	X
		Soft Corals	Alcyonacea	*	-	-	2	0	0	0	2	-	-	-	-	X
Crustaceans	Barnacles	Goose Barnacle	<i>Pollicipes polymerus</i>	*	-	-	1	0	1	0	2	*	*	*	*	X
	Crabs	Brown Box Crab	<i>Lopholithodes foraminatus</i>	*	-	-	*	0	0	0	0	*	*	*	*	-
		Deepwater Grooved Tanner Crab	<i>Chionoecetes tanneri</i>	*	-	-	2	0	0	0	0	*	*	*	*	X
		Dungeness Crab	<i>Metacarcinus magister</i>	4.0*	-	-	2	1	0	0	0	*	*	*	*	X