

Appendix A
Master Species List

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
BIRD	alcid	46	Common murre	<i>Uria aalge</i>
		47	Pigeon guillemot	<i>Cepphus columba</i>
		48	Marbled murrelet	<i>Brachyramphus marmoratus</i>
		49	Cassin's auklet	<i>Ptychoramphus aleuticus</i>
		50	Rhinoceros auklet	<i>Cerorhinca monocerata</i>
		51	Tufted puffin	<i>Fratercula cirrhata</i>
		75	Razorbill	<i>Alca torda</i>
		78	Atlantic puffin	<i>Fratercula arctica</i>
		81	Horned puffin	<i>Fratercula corniculata</i>
		84	Parakeet auklet	<i>Aethia psittacula</i>
		104	Murre	<i>Uria sp.</i>
		105	Thick-billed murre	<i>Uria lomvia</i>
		106	Ancient murrelet	<i>Synthliboramphus antiquus</i>
		108	Kittlitz's murrelet	<i>Brachyramphus brevirostris</i>
		109	Crested auklet	<i>Aethia cristatella</i>
		110	Dovekie	<i>Alle alle</i>
		111	Least auklet	<i>Aethia pusilla</i>
		112	Black guillemot	<i>Cepphus grylle</i>
		143	Xantus' murrelet	<i>Synthliboramphus hypoleucus</i>
		618	Whiskered auklet	<i>Aethia pygmaea</i>
		1023	Puffins	<i>Fratercula spp.</i>
		1024	Alcids	
		1025	Murrelets	
BIRD	bird	614	Endangered seabird	
		616	Rare seabird	
		1000	Birds	
1007	Colonial waterbirds			
BIRD	diving	1	Common loon	<i>Gavia immer</i>
		2	Arctic loon	<i>Gavia arctica</i>
		3	Red-throated loon	<i>Gavia stellata</i>
		4	Red-necked grebe	<i>Podiceps grisegena</i>
		5	Horned grebe	<i>Podiceps auritus</i>
		6	Eared grebe	<i>Podiceps nigricollis</i>
		7	Western grebe	<i>Aechmophorus occidentalis</i>
		8	Double-crested cormorant	<i>Phalacrocorax auritus</i>
		9	Brandt's cormorant	<i>Phalacrocorax penicillatus</i>
		10	Pelagic cormorant	<i>Phalacrocorax pelagicus</i>
		31	Pacific loon	<i>Gavia pacifica</i>
		79	Cormorant	<i>Phalacrocorax sp.</i>
		99	Red-faced cormorant	<i>Phalacrocorax urile</i>
		118	Brown pelican	<i>Pelecanus occidentalis</i>
		121	Anhinga	<i>Anhinga anhinga</i>
		123	Endangered diving bird	
		168	Olivaceous cormorant	<i>Phalacrocorax olivaceus</i>

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		173	American white pelican	<i>Pelecanus erythrorhynchos</i>
		179	Pied-billed grebe	<i>Podilymbus podiceps</i>
		239	Clark's grebe	<i>Aechmophorus clarkii</i>
		269	Least grebe	<i>Tachybaptus dominicus</i>
		275	Great cormorant	<i>Phalacrocorax carbo</i>
		282	California brown pelican	<i>Pelecanus occidentalis californicus</i>
		325	Neotropic cormorant	<i>Phalacrocorax brasilianus</i>
		408	Yellow-billed loon	<i>Gavia adamsii</i>
		462	Loons	<i>Gavia spp.</i>
		486	Little grebe	<i>Tachybaptus ruficollis</i>
		487	Great-crested grebe	<i>Podiceps cristatus</i>
		606	Rare diving bird	
		607	Threatened diving bird	
		1006	Diving birds	
		1026	Grebes	
BIRD	gull_tern	36	Glaucous-winged gull	<i>Larus glaucescens</i>
		37	Western gull	<i>Larus occidentalis</i>
		38	Herring gull	<i>Larus argentatus</i>
		39	California gull	<i>Larus californicus</i>
		40	Ring-billed gull	<i>Larus delawarensis</i>
		41	Mew gull	<i>Larus canus</i>
		42	Bonaparte's gull	<i>Larus philadelphia</i>
		43	Heermann's gull	<i>Larus heermanni</i>
		44	Thayer's gull	<i>Larus thayeri</i>
		45	Common tern	<i>Sterna hirundo</i>
		80	Arctic tern	<i>Sterna paradisaea</i>
		82	Glaucous gull	<i>Larus hyperboreus</i>
		85	California least tern	<i>Sterna antillarum browni</i>
		86	Least tern	<i>Sterna antillarum</i>
		92	Great black-backed gull	<i>Larus marinus</i>
		95	Roseate tern	<i>Sterna dougallii</i>
		98	Laughing gull	<i>Larus atricilla</i>
		101	Aleutian tern	<i>Sterna aleutica</i>
		114	Sabine's gull	<i>Xema sabini</i>
		127	Sooty tern	<i>Sterna fuscata</i>
		133	Black skimmer	<i>Rynchops niger</i>
		134	Gull-billed tern	<i>Sterna nilotica</i>
		135	Sandwich tern	<i>Sterna sandvicensis</i>
		136	Caspian tern	<i>Sterna caspia</i>
		137	Royal tern	<i>Sterna maxima</i>
		138	Forster's tern	<i>Sterna forsteri</i>
		145	Elegant tern	<i>Sterna elegans</i>
		193	Black tern	<i>Chlidonias niger</i>
		241	Franklin's gull	<i>Larus pipixcan</i>

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		264	White tern	<i>Gygis alba</i>
		283	Bridled tern	<i>Sterna anaethetus</i>
		291	Black-headed gull	<i>Larus ridibundus</i>
		317	Rare tern	
		318	Threatened tern	
		393	Lesser black-backed gull	<i>Larus fuscus</i>
		409	Ross' gull	<i>Rhodostethia rosea</i>
		410	Ivory gull	<i>Pagophila eburnea</i>
		517	Slender-billed gull	<i>Larus genei</i>
		518	Great black-headed gull	<i>Larus ichthyaetus</i>
		519	Mediterranean gull	<i>Larus melanocephalus</i>
		520	Little gull	<i>Larus minutus</i>
		521	Little tern	<i>Sterna albifrons</i>
		522	White-winged black tern	<i>Chlidonias leucopterus</i>
		524	Armenian gull	<i>Larus armenicus</i>
		525	Audouin's gull	<i>Larus audouinii</i>
		526	Brown-headed gull	<i>Larus brunnicephalus</i>
		527	Persian gulf caspian tern	<i>Hydroprogne tschegrava</i>
		537	Grey-headed gull	<i>Larus cirrocephalus</i>
		541	Lesser crested tern	<i>Sterna bengalensis</i>
		547	Saunder's tern	<i>Sterna saundersii</i>
		550	Sooty gull	<i>Larus hemprichii</i>
		553	Great crested tern	<i>Sterna bergii</i>
		558	White wagtail	<i>Motacilla alba</i>
		559	White-cheeked tern	<i>Sterna repressa</i>
		560	White-eyed gull	<i>Larus leucophthalmus</i>
		563	Yellow-legged herring gull	<i>Larus cachinnans</i>
		609	Rare gull	
		610	Endangered tern	
		625	White tern (Oahu nesting group)	<i>Gygis alba rothschildi</i>
		1001	Gulls	
		1008	Terns	
BIRD	landfowl	276	Attwater's greater prairie chicken	<i>Tympanuchus cupido attwateri</i>
		416	Spruce grouse	<i>Falcipennis canadensis</i>
		417	Blue grouse	<i>Dendrogapus obscurus</i>
		418	Willow ptarmigan	<i>Lagopus lagopus</i>
		419	Rock ptarmigan	<i>Lagopus mutus</i>
		421	White-bellied chachalaca	<i>Ortalis leucogastra</i>
		430	Crested bobwhite	<i>Colinus cristatus</i>
		477	Quail	<i>Coturnix coturnix</i>
BIRD	passerine	19	Rock dove	<i>Columba livia</i>
		147	Savannah sparrow	<i>Passerculus sandwichensis</i>
		151	Saltmarsh common yellowthroat	<i>Geothlypis trichas sinuosa</i>
		166	Song sparrow	<i>Melospiza melodia</i>
		177	Bank swallow	<i>Riparia riparia</i>

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		194	Suisun song sparrow	<i>Melospiza melodia maxillaris</i>
		207	Tricolored blackbird	<i>Agelaius tricolor</i>
		216	Belted kingfisher	<i>Ceryle alcyon</i>
		224	Sedge wren	<i>Cistothorus platensis</i>
		225	Marsh wren	<i>Cistothorus palustris</i>
		226	Red-winged blackbird	<i>Agelaius phoeniceus</i>
		228	Brewer's blackbird	<i>Euphagus cyanocephalus</i>
		229	Swamp sparrow	<i>Melospiza georgiana</i>
		233	San Pablo song sparrow	<i>Melospiza melodia samuelis</i>
		235	Long-billed marsh-wren	<i>Cistothorous palustris</i>
		236	Short-billed marsh-wren	<i>Cistothorous platensis</i>
		259	Alameda song sparrow	<i>Melospiza melodia pusillula</i>
		274	Yellow-headed blackbird	<i>Xanthocephalus xanthocephalus</i>
		277	Seaside sparrow	<i>Ammodramus maritimus</i>
		278	Saltmarsh sharp-tailed sparrow	<i>Ammodramus caudacutus</i>
		279	Swainson's warbler	<i>Limnothlypis swainsonii</i>
		281	Yellow-bellied sapsucker	<i>Sphyrapicus varius</i>
		288	Black swift	<i>Cypseloides niger</i>
		294	Cape Sable seaside sparrow	<i>Ammodramus maritimus mirabilis</i>
		295	Florida scrub-jay	<i>Aphelocoma coerulescens</i>
		297	White-crowned pigeon	<i>Columba leucocephala</i>
		305	Red-cockaded woodpecker	<i>Picoides borealis</i>
		308	Elfin woods warbler	<i>Dendroica angelae</i>
		310	Rare passerine bird	
		311	Endangered passerine bird	
		321	Ringed kingfisher	<i>Ceryle torquata</i>
		322	American pygmy kingfisher	<i>Chloroceryle aenea</i>
		323	Amazon kingfisher	<i>Chloroceryle amazona</i>
		324	Green kingfisher	<i>Chloroceryle americana</i>
		327	White-fronted parrot	<i>Amazona albifrons</i>
		328	Yellow-naped parrot	<i>Amazona auropalliata</i>
		329	Scarlet macaw	<i>Ara macao</i>
		330	Orange-fronted parakeet	<i>Aratinga canicularis</i>
		331	Green parakeet	<i>Aratinga holochlora</i>
		332	Pacific parakeet	<i>Aratinga strenua</i>
		333	Orange-chinned parakeet	<i>Brotogeris jugularis</i>
		334	Yellow warbler	<i>Dendroica petechia</i>
		335	Tropical mockingbird	<i>Mimus gilvus</i>
		336	Mangrove swallow	<i>Tachycineta albilinea</i>
		337	Mangrove vireo	<i>Vireo pallens</i>
		395	Louisiana waterthrush	<i>Seiurus motacilla</i>
		411	McKay's bunting	<i>Plectrophenax hyperboreus</i>
		420	Mangrove cuckoo	<i>Coccyzus minor</i>
		422	Streak-headed woodcreeper	<i>Lepidocolaptes souleyetti</i>
		423	Blue ground-dove	<i>Claravis pretiosa</i>

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		424	Northern potoo	<i>Nyctibius jamaicensis</i>
		425	Smoky-brown woodpecker	<i>Veniliornis fumigatus</i>
		426	Lineated woodpecker	<i>Dryocopus lineatus</i>
		427	Eastern meadowlark	<i>Sturnella magna</i>
		428	Squirrel cuckoo	<i>Piaya cayana</i>
		429	Black-headed trogon	<i>Trogon melanocephalus</i>
		431	Lesser nighthawk	<i>Chordeiles acutipennis</i>
		432	Pauraque	<i>Nyctidromus albicollis</i>
		433	Ruby-throated hummingbird	<i>Archilochus columbris</i>
		434	White-necked puffbird	<i>Notharchus macrorhynchos</i>
		435	Violaceous trogon	<i>Trogon violaceus</i>
		436	Collard aracari	<i>Pteroglossus torquatus</i>
		437	Bushy-crested jay	<i>Cyanocorax melanocyaneus</i>
		438	Puerto Rican plain pigeon	<i>Columba inornata</i>
		439	Puerto Rican nightjar	<i>Caprimulgus noctitherus</i>
		440	Scaly-naped pigeon	<i>Columba squamosa</i>
		441	Ladder-backed woodpecker	<i>Picoides scalaris</i>
		442	Gray-crowned rosy-finch	<i>Leucosticte tephrocotis</i>
		443	Winter wren	<i>Troglodytes troglodytes</i>
		446	Yellow-shouldered blackbird	<i>Agelaius xanthomus</i>
		448	White-winged dove	<i>Zenaida asiatica</i>
		449	Zenaida dove	<i>Zenaida aurita</i>
		452	Mourning dove	<i>Zenaida macroura</i>
		453	Puerto Rican parrot	<i>Amazona vittata</i>
		454	Puerto Rican lizard-cuckoo	<i>Saurothera vieilloti</i>
		455	Yellow-billed cuckoo	<i>Coccyzus americanus</i>
		456	Puerto Rican bullfinch	<i>Loxigilla portoricensis</i>
		457	Key West quail-dove	<i>Geotrygon chrysis</i>
		458	Northern waterthrush	<i>Seiurus noveboracensis</i>
		564	Common ground-dove	<i>Columbina passerina</i>
		565	Brown jay	<i>Cyanocorax morio</i>
		566	White-throated magpie-jay	<i>Calocitta formosa</i>
		567	Ruddy ground-dove	<i>Columbina talpacoti</i>
		568	Aztec parakeet	<i>Aratinga astec</i>
		569	Groove-billed ani	<i>Crotophaga sulcirostris</i>
		570	Golden-fronted woodpecker	<i>Melanerpes aurifrons</i>
		571	Pale-billed woodpecker	<i>Campephilus guatemalensis</i>
		572	Great kiskadee	<i>Pitangus sulphuratus</i>
		573	Tropical kingbird	<i>Tyrannus melancholicus</i>
		574	Streaked-back oriole	<i>Icterus pustulatus sclateri</i>
		575	Altamira oriole	<i>Icterus gularis</i>
		576	Common tody-flycatcher	<i>Todirostrum cinereum</i>
		577	Clay-colored robin	<i>Turdus grayi</i>
		578	Melodius blackbird	<i>Dives dives</i>
		579	Scissor-tailed flycatcher	<i>Tyrannus forficatus</i>

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		580	Inca dove	<i>Columbina inca</i>
		581	Woodpecker	<i>Veniliornis sp.</i>
		582	Barn Swallow	<i>Hirundo rustica</i>
		583	Baltimore oriole	<i>Icterus galbula</i>
		584	American redstart	<i>Setophaga ruticilla</i>
		585	Rufous-browed peppershrike	<i>Cyclarhis gujanensis</i>
		586	Yellow-crowned parrot	<i>Amazona ochrocephala</i>
		587	Social flycatcher	<i>Myiozetetes similis</i>
		588	Banded wren	<i>Thryothorus pleurostictus</i>
		589	Tropical gnatcatcher	<i>Polioptila plumbea</i>
		590	Black-and-white warbler	<i>Mniotilta varia</i>
		591	Striped-headed sparrow	<i>Aimophila ruficauda</i>
		592	Cinnamon hummingbird	<i>Amazilia rutila</i>
		594	Thicket tinamou	<i>Crypturellus cinamomeus</i>
		595	Horned lark	<i>Eremophila alpestris</i>
		596	Purple martin	<i>Progne subis</i>
		597	Ipswich sparrow	<i>Passerculus sandwichensis prin</i>
		598	Grasshopper sparrow	<i>Ammodramus savannarum</i>
		599	Whip-poor-will	<i>Caprimulgus vociferus</i>
		601	Yellow-breasted chat	<i>Icteria virens</i>
		602	Brown thrasher	<i>Toxostoma rufum</i>
		605	Vesper sparrow	<i>Poocetes gramineus</i>
		611	Great-tailed grackle	<i>Quiscalus mexicanus</i>
		612	Rufous-naped wren	<i>Campylorhynchus rufinucha</i>
		613	Endangered passerine-like bird	
		615	Rare passerine-like bird	
		622	Nihoa finch	<i>Telespiza ultima</i>
		623	Nihoa millerbird	<i>Acrocephalus familiaris kingi</i>
		624	Laysan finch	<i>Telespiza cantans</i>
		1011	Migratory songbirds	
		1012	Neotropical migrants	
		1018	Passerine birds	
BIRD	pelagic	35	Parasitic jaeger	<i>Stercorarius parasiticus</i>
		83	Kittiwake	<i>Rissa sp.</i>
		96	Leach's storm-petrel	<i>Oceanodroma leucorhoa</i>
		100	Black-legged kittiwake	<i>Rissa tridactyla</i>
		102	Fork-tailed storm-petrel	<i>Oceanodroma furcata</i>
		119	Magnificent frigatebird	<i>Fregata magnificens</i>
		126	Brown noddy	<i>Anous stolidus</i>
		128	Masked (blue-faced) booby	<i>Sula dactylatra</i>
		129	Northern fulmar	<i>Fulmarus glacialis</i>
		130	Red-legged kittiwake	<i>Rissa brevirostris</i>
		144	Ashy storm-petrel	<i>Oceanodroma homochroa</i>
		146	Black storm-petrel	<i>Oceanodroma melania</i>
		167	Northern gannet	<i>Morus bassanus</i>

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		199	Pomarine jaeger	<i>Stercorarius pomarinus</i>
		200	Sooty shearwater	<i>Puffinus griseus</i>
		201	Short-tailed shearwater	<i>Puffinus tenuirostris</i>
		202	Pink-footed shearwater	<i>Puffinus creatopus</i>
		203	Flesh-footed shearwater	<i>Puffinus carneipes</i>
		247	Wedge-tailed shearwater	<i>Puffinus pacificus</i>
		248	Bulwer's petrel	<i>Bulweria bulwerii</i>
		249	Black noddy	<i>Anous minutus</i>
		250	Red-tailed tropicbird	<i>Phaethon rubricauda</i>
		251	Great frigatebird	<i>Fregata minor</i>
		252	White-tailed tropicbird	<i>Phaethon lepturus</i>
		253	Manx shearwater	<i>Puffinus puffinus</i>
		254	Laysan albatross	<i>Phoebastria immutabilis</i>
		255	Black-footed albatross	<i>Phoebastria nigripes</i>
		256	Bonin petrel	<i>Pterodroma hypoleuca</i>
		257	Tristram's storm-petrel	<i>Oceanodroma tristrami</i>
		258	Christmas shearwater	<i>Puffinus nativitatis</i>
		260	Red-footed booby	<i>Sula sula</i>
		261	Brown booby	<i>Sula leucogaster</i>
		262	Gray-backed tern	<i>Sterna lunata</i>
		263	Blue-gray noddy	<i>Procelsterna cerulea</i>
		287	Audubon's shearwater	<i>Puffinus lherminieri</i>
		312	Endangered pelagic bird	
		326	Jaegers	<i>Stercorarius spp.</i>
		338	South polar skua	<i>Catharacta maccormicki</i>
		339	Band-rumped storm-petrel	<i>Oceanodroma castro</i>
		340	Markham's storm-petrel	<i>Oceanodroma markhami</i>
		341	Wedge-rumped storm-petrel	<i>Oceanodroma tethys</i>
		342	Red-billed tropicbird	<i>Phaethon aethereus</i>
		343	Long-tailed jaeger	<i>Stercorarius longicaudus</i>
		344	Blue-footed booby	<i>Sula nebouxii</i>
		345	Storm-petrels	<i>Oceanodroma spp.</i>
		346	Boobies	<i>Sula spp.</i>
		412	Short-tailed albatross	<i>Phoebastria albatrus</i>
		445	Wilson's storm-petrel	<i>Oceanites oceanicus</i>
		529	Cory's shearwater	<i>Calonectris diomedea</i>
		548	Schlegel's petrel	<i>Pterodroma incerta</i>
		554	Swinhoe's storm-petrel	<i>Oceanodroma monorhis</i>
		603	Black-capped petrel	<i>Pterodroma hasitata</i> <i>Pterodroma phaeopygia</i>
		620	Dark-rumped petrel	<i>sandwichensis</i>
		621	Newell's shearwater	<i>Puffinus auricularis newelli</i>
		1009	Shearwaters	
		1010	Pelagic birds	
		1022	Seabirds	

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BIRD	raptor	76	Bald eagle	<i>Haliaeetus leucocephalus</i>
		77	Osprey	<i>Pandion haliaetus</i>
		107	Peregrine falcon	<i>Falco peregrinus</i>
		113	Gyr Falcon	<i>Falco rusticolus</i>
		131	White-tailed kite	<i>Elanus leucurus</i>
		140	Threatened raptor	
		174	Golden eagle	<i>Aquila chrysaetos</i>
		175	Northern spotted owl	<i>Strix occidentalis caurina</i>
		176	Short-eared owl	<i>Asio flammeus</i>
		181	Northern harrier	<i>Circus cyaneus</i>
		182	American kestrel	<i>Falco sparverius</i>
		183	Snowy owl	<i>Nyctea scandiaca</i>
		218	Red-shouldered hawk	<i>Buteo lineatus</i>
		219	Sharp-shinned hawk	<i>Accipiter striatus</i>
		220	Merlin	<i>Falco columbarius</i>
		221	Cooper's hawk	<i>Accipiter cooperii</i>
		222	Barred owl	<i>Strix varia</i>
		230	Red-tailed hawk	<i>Buteo jamaicensis</i>
		231	Broad-winged hawk	<i>Buteo platypterus</i>
		232	Rough-legged hawk	<i>Buteo lagopus</i>
		240	Goshawk	<i>Accipiter gentilis</i>
		280	Swallow-tailed kite	<i>Elanoides forficatus</i>
		285	Arctic peregrine falcon	<i>Falco peregrinus tundrius</i>
		296	Florida snail kite	<i>Rostrhamus sociabilis plumbeus</i>
		313	Rare raptor	
		314	Endangered raptor	
		347	Bicolored hawk	<i>Accipiter bicolor</i>
		348	Striped owl	<i>Pseudoscops clamator</i>
		349	Burrowing owl	<i>Athene cunicularia hypugea</i>
		350	Great horned owl	<i>Bubo virginianus</i>
		351	Black-collared hawk	<i>Busarellus nigricollis</i>
		352	White-tailed hawk	<i>Buteo albicaudatus</i>
		353	Zone-tailed hawk	<i>Buteo albonotatus</i>
		354	Short-tailed hawk	<i>Buteo brachyurus</i>
		355	Roadside hawk	<i>Buteo magnirostris</i>
		356	Gray hawk	<i>Buteo nitidus</i>
357	Swainson's hawk	<i>Buteo swainsoni</i>		
358	Mangrove black-hawk	<i>Buteogallus subtilis</i>		
359	Great black-hawk	<i>Buteogallus urubitinga</i>		
360	Turkey vulture	<i>Cathartes aura</i>		
361	Lesser yellow-headed vulture	<i>Cathartes burrovianus</i>		
362	Hook-billed kite	<i>Chondrohierax uncinatus</i>		
363	Black and white owl	<i>Ciccaba nigrolineata</i>		
364	Mottled owl	<i>Ciccaba virgata</i>		
365	Black vulture	<i>Coragyps atratus</i>		

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		366	Red-throated caracara	<i>Daptrius americanus</i>
		368	Orange-breasted falcon	<i>Falco deiroleucus</i>
		369	Aplomado falcon	<i>Falco femoralis</i>
		370	Bat falcon	<i>Falco ruficularis</i>
		371	Crane hawk	<i>Geranospiza caerulescens</i>
		372	Ferruginous pygmy owl	<i>Glaucidium brasilianum</i>
		373	Double-toothed kite	<i>Harpagus bidentatus</i>
		374	Laughing falcon	<i>Herpetotheres cachinnans</i>
		375	Mississippi kite	<i>Ictinia mississippiensis</i>
		376	Plumbeous kite	<i>Ictinia plumbea</i>
		377	Gray-headed kite	<i>Leptodon cayanensis</i>
		378	Collared forest-falcon	<i>Micrastur semitorquatus</i>
		379	Pacific screech-owl	<i>Otus cooperi</i>
		380	Harris' hawk	<i>Parabuteo unicinctus</i>
		381	Crested caracara	<i>Caracara plancus</i>
		382	Spectacled owl	<i>Pulsatrix perspicillata</i>
		383	King vulture	<i>Sarcoramphus papa</i>
		384	Ornate hawk-eagle	<i>Spizaetus ornatus</i>
		385	Common barn owl	<i>Tyto alba</i>
		386	Accipiter hawks	<i>Accipiter spp.</i>
		387	Buteo hawks	<i>Buteo spp.</i>
		388	Falcons	<i>Falco spp.</i>
		389	Owls	<i>Strigidae spp.</i>
		450	Puerto Rican sharp-shinned hawk	<i>Accipiter striatus venator</i>
		451	Puerto Rican broad-winged hawk	<i>Buteo platypterus brunnescens</i>
		459	Florida burrowing owl	<i>Speotyto cunicularia floridana</i>
		460	Audubon's crested caracara	<i>Polyborus plancus audubonii</i>
		461	Southeastern American kestrel	<i>Falco sparverius paulus</i>
		470	Honey buzzard	<i>Pernis apivorus</i>
		471	Black kite	<i>Milvus migrans</i>
		472	Short-toed eagle	<i>Circaetus gallicus</i>
		473	Sparrowhawk	<i>Accipter nisus</i>
		474	Buzzard	<i>Buteo buteo</i>
		475	Eleonora's falcon	<i>Falco eleonora</i>
		476	Eurasian kestrel	<i>Falco tinnunculus</i>
		496	Marsh harrier	<i>Circus aeruginosus</i>
		516	Common black hawk	<i>Buteogallus anthracinus</i>
		552	Steppe eagle	<i>Aquila nipalensis</i>
		593		<i>Otus sp.</i>
		600	Long-eared owl	<i>Asio otus</i>
		604	Eastern screech owl	<i>Otus asio</i>
		626	American peregrine falcon	<i>Falco peregrinus anatum</i>
		1005	Raptors	
BIRD	shorebird	52	Wilson's phalarope	<i>Phalaropus tricolor</i>
		53	Red-necked (Northern) phalarope	<i>Phalaropus lobatus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		55	Whimbrel	<i>Numenius phaeopus</i>
		56	Spotted sandpiper	<i>Actitis macularia</i>
		57	Wandering tattler	<i>Heteroscelus incanus</i>
		58	Greater yellowlegs	<i>Tringa melanoleuca</i>
		59	Lesser yellowlegs	<i>Tringa flavipes</i>
		60	Red knot	<i>Calidris canutus</i>
		61	Pectoral sandpiper	<i>Calidris melanotos</i>
		62	Least sandpiper	<i>Calidris minutilla</i>
		63	Dunlin	<i>Calidris alpina</i>
		64	Short-billed dowitcher	<i>Limnodromus griseus</i>
		65	Long-billed dowitcher	<i>Limnodromus scolopaceus</i>
		66	Western sandpiper	<i>Calidris mauri</i>
		67	Sanderling	<i>Calidris alba</i>
		68	Black oystercatcher	<i>Haematopus bachmani</i>
		69	Semipalmated plover	<i>Charadrius semipalmatus</i>
		70	Killdeer	<i>Charadrius vociferus</i>
		71	Black-bellied plover	<i>Pluvialis squatarola</i>
		72	Surfbird	<i>Aphriza virgata</i>
		73	Ruddy turnstone	<i>Arenaria interpres</i>
		74	Black turnstone	<i>Arenaria melanocephala</i>
		139	Snowy plover	<i>Charadrius alexandrinus</i>
		141	American avocet	<i>Recurvirostra americana</i>
		142	Black-necked stilt	<i>Himantopus mexicanus</i>
		152	American oystercatcher	<i>Haematopus palliatus</i>
		153	Piping plover	<i>Charadrius melodus</i>
		154	Wilson's plover	<i>Charadrius wilsonia</i>
		155	Willet	<i>Catoptrophorus semipalmatus</i>
		156	Semipalmated sandpiper	<i>Calidris pusilla</i>
		160	Red phalarope	<i>Phalaropus fulicaria</i>
		161	Rock sandpiper	<i>Calidris ptilocnemis</i>
		164	American golden-plover	<i>Pluvialis dominica</i>
		165	Bar-tailed godwit	<i>Limosa lapponica</i>
		196	Common snipe	<i>Gallinago gallinago</i>
		209	Long-billed curlew	<i>Numenius americanus</i>
		210	Marbled godwit	<i>Limosa fedoa</i>
		213	Stilt sandpiper	<i>Calidris himantopus</i>
		214	Solitary sandpiper	<i>Tringa solitaria</i>
		223	Upland sandpiper	<i>Bartramia longicauda</i>
		227	Threatened shorebird	
		234	Purple sandpiper	<i>Calidris maritima</i>
		237	Baird's sandpiper	<i>Calidris bairdii</i>
		238	White-rumped sandpiper	<i>Calidris fuscicollis</i>
		270	Western snowy plover	<i>Charadrius alexandrinus nivosus</i>
		284	Buff-breasted sandpiper	<i>Tryngites subruficollis</i>
		286	Dowitchers	<i>Limnodromus spp.</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		289	Hudsonian godwit	<i>Limosa haemastica</i>
		290	Peep	<i>Calidris spp.</i>
		292	Sharp-tailed sandpiper	<i>Calidris acuminata</i>
		293	Yellowlegs	<i>Tringa spp.</i>
		303	Curlew sandpiper	<i>Calidris ferruginea</i>
		315	Rare shorebird	
		316	Endangered shorebird	
		390	Double-striped thick-knee	<i>Burhinus bistriatus</i>
		391	Collared plover	<i>Charadrius collaris</i>
		394	Plovers	<i>Charadrius spp.</i>
		396	Phalaropes	<i>Phalaropus spp.</i>
		413	Bristle-thighed curlew	<i>Numenius tahitiensis</i>
		414	Eskimo curlew	<i>Numenius borealis</i>
		498	Caspian plover	<i>Charadrius asiaticus</i>
		499	Little ringed plover	<i>Charadrius dubius</i>
		500	Ringed plover	<i>Charadrius hiaticula</i>
		501	Sociable plover	<i>Chettusia gregaria</i>
		502	White-tailed plover	<i>Chettusia leucura</i>
		503	Lapwing	<i>Vanellus vanellus</i>
		504	Little stint	<i>Calidris minuta</i>
		505	Broad-billed sandpiper	<i>Limicola falcinellus</i>
		506	Ruff and reeve	<i>Philomachus pugnax</i>
		507	Great snipe	<i>Gallinago media</i>
		508	Black-tailed godwit	<i>Limosa limosa</i>
		509	Spotted redshank	<i>Tringa erythropus</i>
		510	Wood sandpiper	<i>Tringa glareola</i>
		511	Greenshank	<i>Tringa nebularia</i>
		512	Green sandpiper	<i>Tringa ochropus</i>
		513	Marsh sandpiper	<i>Tringa stagnatilis</i>
		514	Redshank	<i>Tringa totanus</i>
		515	Common sandpiper	<i>Actitis hypoleucos</i>
		528	Eurasian common sandpiper	<i>Tringa hypoleucos</i>
		530	Eurasian curlew	<i>Numenius arquata</i>
		531	Dotterel	<i>Eudromias morinellus</i>
		532	Greater golden-plover	<i>Pluvialis apricaria</i>
		533	Great knot	<i>Calidris tenuirostris</i>
		534	Greater sand plover	<i>Charadrius leschenaultii</i>
		536	Grey phalarope	<i>Phalaropus fulicarius</i>
		539	Jack snipe	<i>Lymnocyptes minimus</i>
		540	Kittlitz's sand plover	<i>Charadrius pecuarius</i>
		542	Eurasian oystercatcher	<i>Haematopus ostralegus</i>
		543	Pacific golden plover	<i>Pluvialis fulva</i>
		544	Pin-tailed snipe	<i>Gallinago stenura</i>
		551	Spur-winged plover	<i>Vanellus spinosus</i>
		555	Temminck's stint	<i>Calidris temminckii</i>

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		556	Terek sandpiper	<i>Tringa cinereus</i>
		562	Eurasian woodcock	<i>Scolopax rusticola</i>
		1002	Shorebirds	
		1017	Sandpipers	
		1028	Curlew	<i>Numenius spp.</i>
BIRD	wading	54	Great blue heron	<i>Ardea herodias</i>
		87	Little blue heron	<i>Egretta caerulea</i>
		88	Great egret	<i>Ardea alba</i>
		89	Snowy egret	<i>Egretta thula</i>
		90	Black-crowned night-heron	<i>Nycticorax nycticorax</i>
		91	Glossy ibis	<i>Plegadis falcinellus</i>
		93	Cattle egret	<i>Bubulcus ibis</i>
		94	Tricolored heron	<i>Egretta tricolor</i>
		97	Green heron	<i>Butorides virescens</i>
		115	White ibis	<i>Eudocimus albus</i>
		116	Roseate spoonbill	<i>Ajaia ajaja</i>
		117	Great white heron	<i>Ardea occidentalis</i>
		120	Yellow-crowned night-heron	<i>Nyctanassa violacea</i>
		122	Scarlet ibis	<i>Eudocimus ruber</i>
		125	Clapper rail	<i>Rallus longirostris</i>
		132	Wood stork	<i>Mycteria americana</i>
		149	White-faced ibis	<i>Plegadis chihi</i>
		150	Black rail	<i>Laterallus jamaicensis</i>
		163	Reddish egret	<i>Egretta rufescens</i>
		172	Sandhill crane	<i>Grus canadensis</i>
		178	Least bittern	<i>Ixobrychus exilis</i>
		184	King rail	<i>Rallus elegans</i>
		185	American bittern	<i>Botaurus lentiginosus</i>
		187	Virginia rail	<i>Rallus limicola</i>
		188	Sora	<i>Porzana carolina</i>
		189	Yellow rail	<i>Coturnicops noveboracensis</i>
		195	American woodcock	<i>Scolopax minor</i>
		204	California clapper rail	<i>Rallus longirostris obsoletus</i>
		205	Light-footed clapper rail	<i>Rallus longirostris levipes</i>
				<i>Laterallus jamaicensis</i>
		206	California black rail	<i>coturniculus</i>
		208	Dark ibis	<i>Plegadis spp.</i>
		242	Hawaiian stilt	<i>Himantopus mexicanus knudseni</i>
		265	Whooping crane	<i>Grus americana</i>
		271	Rails	
		298	Mississippi sandhill crane	<i>Grus canadensis pulla</i>
		304	Mangrove clapper rail	<i>Rallus longirostris insularum</i>
		306	Limpkin	<i>Aramus guarana</i>
		309	Florida sandhill crane	<i>Grus canadensis pratensis</i>
		319	Rare wading bird	

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		320	Endangered wading bird	
		367	Greater flamingo	<i>Phoenicopterus ruber</i>
		392	Northern jacana	<i>Jacana spinosa</i>
		397	Rufous-necked wood-rail	<i>Aramides axillaris</i>
		398	Gray-necked wood-rail	<i>Aramides cajanea</i>
		399	Pinnated bittern	<i>Botaurus pinnatus</i>
		400	Boat-billed heron	<i>Cochlearius cochlearius</i>
		401	Jabiru	<i>Jabiru mycteria</i>
		402	Ruddy crake	<i>Laterallus ruber</i>
		403	Spotted rail	<i>Pardirallus maculatus</i>
		404	Yellow-breasted crake	<i>Porzana flaviventer</i>
		405	Bare-throated tiger-heron	<i>Tigrisoma mexicanum</i>
		463	Bittern	<i>Botarus stellaris</i>
		464	Little bittern	<i>Ixobrychus minutus</i>
		465	Great white egret	<i>Egretta alba</i>
		466	Little egret	<i>Egretta garzetta</i>
		467	White stork	<i>Ciconia ciconia</i>
		468	Black stork	<i>Ciconia nigra</i>
		478	Water rail	<i>Rallus aquaticus</i>
		479	Little crake	<i>Porzana parva</i>
		480	Spotted crake	<i>Porzana porzana</i>
		481	Baillon's crake	<i>Porzana pusilla</i>
		482	Corncrake	<i>Crex crex</i>
		484	Black-winged stilt	<i>Himantopus himantopus</i>
		485	Avocet	<i>Recurvirostra avosetta</i>
		488	Squacco heron	<i>Ardeola ralloides</i>
		489	Gray heron	<i>Ardea cinerea</i>
		497	Rufescent tiger-heron	<i>Tigrisoma lineatum</i>
		535	Striated heron	<i>Butorides striatus</i>
		545	Purple heron	<i>Ardea purpurea</i>
		557	Western reef heron	<i>Egretta gularis</i>
		608	Threatened wading bird	
		617	White-faced or Glossy ibis	<i>Plegadis spp.</i>
		1004	Wading birds	
		1015	Egrets	
		1016	Heron	
BIRD	waterfowl	11	Tundra (whistling) swan	<i>Cygnus columbianus</i>
		12	Canada goose	<i>Branta canadensis</i>
		13	Brant	<i>Branta bernicla</i>
		14	Greater white-fronted goose	<i>Anser albifrons</i>
		15	Snow goose	<i>Chen caerulescens</i>
		16	Mallard	<i>Anas platyrhynchos</i>
		17	Northern pintail	<i>Anas acuta</i>
		18	Green-winged teal	<i>Anas crecca</i>
		20	Northern shoveler	<i>Anas clypeata</i>

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		21	Canvasback	<i>Aythya valisineria</i>
		22	Greater scaup	<i>Aythya marila</i>
		23	Lesser scaup	<i>Aythya affinis</i>
		24	Common goldeneye	<i>Bucephala clangula</i>
		25	Barrow's goldeneye	<i>Bucephala islandica</i>
		26	Bufflehead	<i>Bucephala albeola</i>
		27	Long-tailed duck	<i>Clangula hyemalis</i>
		28	Harlequin duck	<i>Histrionicus histrionicus</i>
		29	White-winged scoter	<i>Melanitta fusca</i>
		30	Surf scoter	<i>Melanitta perspicillata</i>
		32	Common merganser	<i>Mergus merganser</i>
		33	Red-breasted merganser	<i>Mergus serrator</i>
		34	American coot	<i>Fulica americana</i>
		103	Common eider	<i>Somateria mollissima</i>
		124	Redhead	<i>Aythya americana</i>
		148	Ruddy duck	<i>Oxyura jamaicensis</i>
		157	Emperor goose	<i>Chen canagica</i>
		158	King eider	<i>Somateria spectabilis</i>
		159	Steller's eider	<i>Polysticta stelleri</i>
		162	Gadwall	<i>Anas strepera</i>
		169	American wigeon	<i>Anas americana</i>
		170	Trumpeter swan	<i>Cygnus buccinator</i>
		171	Dusky Canada goose	<i>Branta canadensis occidentalis</i>
		180	Ring-necked duck	<i>Aythya collaris</i>
		186	American black duck	<i>Anas rubripes</i>
		190	Blue-winged teal	<i>Anas discors</i>
		191	Wood duck	<i>Aix sponsa</i>
		192	Common moorhen	<i>Gallinula chloropus</i>
		197	Black (common) scoter	<i>Melanitta nigra</i>
		198	Hooded merganser	<i>Lophodytes cucullatus</i>
		211	Mottled duck	<i>Anas fulvigula</i>
		212	Purple gallinule	<i>Porphyryla martinica</i>
		215	Aleutian Canada goose	<i>Branta canadensis leucopareia</i>
		217	Mute swan	<i>Cygnus olor</i>
		243	Hawaiian coot	<i>Fulica alai</i>
		244	Hawaiian duck	<i>Anas wyvilliana</i>
		245	Hawaiian common moorhen	<i>Gallinula chloropus sandvicensis</i>
		246	Laysan duck	<i>Anas laysanensis</i>
		266	Black-bellied whistling-duck	<i>Dendrocygna autumnalis</i>
		267	Fulvous whistling-duck	<i>Dendrocygna bicolor</i>
		268	Masked duck	<i>Nomonyx dominicus</i>
		272	Teals	<i>Anas sp.</i>
		273	Geese	
		299	Scaup	<i>Aythya spp.</i>
		300	Goldeneye	<i>Bucephala spp.</i>

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		301	Mergansers	
		302	Scoters	<i>Melanitta spp.</i>
		307	Caribbean coot	<i>Fulica caribaea</i>
		406	Cinnamon teal	<i>Anas cyanoptera</i>
		407	Muscovy duck	<i>Cairina moschata</i>
		415	Spectacled eider	<i>Somateria fischeri</i>
		444	White-cheeked pintail	<i>Anas bahamensis</i>
		447	West Indian whistling-duck	<i>Dendrocygna arborea</i>
		483	Eurasian coot	<i>Fulica atra</i>
		490	Eurasian wigeon	<i>Anas penelope</i>
		491	Garganey	<i>Anas querquedula</i>
		492	Red-crested pochard	<i>Netta rufina</i>
		493	Common pochard	<i>Aythya ferina</i>
		494	Tufted duck	<i>Aythya fuligula</i>
		495	Ferruginous duck	<i>Aythya nyroca</i>
		538	Greylag goose	<i>Anser anser</i>
		546	Ruddy shelduck	<i>Tadorna ferruginea</i>
		549	Common shelduck	<i>Tadorna tadorna</i>
		561	White-headed duck	<i>Oxyura leucocephala</i>
		619	Hawaiian goose	<i>Branta sandvicensis</i>
		1003	Waterfowl	
		1013	Dabbling ducks	
		1014	Diving ducks	
		1019	Sea ducks	
		1020	Eiders	<i>Somateria spp.</i>
		1021	Ducks	
		1027	Swans	<i>Cygnus spp.</i>
FISH	anadromous	697	Whitefish	
		698	Sheefish	<i>Stendous leucichthys nelma</i>
FISH	diadromous	43	White sturgeon	<i>Acipenser transmontanus</i>
		44	Green sturgeon	<i>Acipenser medirostris</i>
		45	Coastal Cutthroat trout	<i>Oncorhynchus clarkii clarkii</i>
		68	Chinook salmon	<i>Oncorhynchus tshawytscha</i>
		69	Coho salmon (silver)	<i>Oncorhynchus kisutch</i>
		70	Pink salmon (humpy)	<i>Oncorhynchus gorbusha</i>
		71	Sockeye salmon (red)	<i>Oncorhynchus nerka</i>
		72	Chum salmon (dog)	<i>Oncorhynchus keta</i>
		73	Cherry salmon	<i>Oncorhynchus masou</i>
		74	Rainbow trout (steelhead)	<i>Oncorhynchus mykiss</i>
		77	Eulachon	<i>Thaleichthys pacificus</i>
		83	Salmon	
		85	Alewife	<i>Alosa pseudoharengus</i>
		86	Blueback herring	<i>Alosa aestivalis</i>
		87	American shad	<i>Alosa sapidissima</i>
		98	American eel	<i>Anguilla rostrata</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFIC NAME
		100	Brown trout	<i>Salmo trutta</i>
		101	Shortnose sturgeon	<i>Acipenser brevirostrum</i>
		102	Atlantic sturgeon	<i>Acipenser oxyrinchus</i>
		104	Striped bass	<i>Morone saxatilis</i>
		105	Hickory shad	<i>Alosa mediocris</i>
		135	Dolly varden	<i>Salvelinus malma</i>
		144	Atlantic salmon	<i>Salmo salar</i>
		163	Gizzard shad	<i>Dorosoma cepedianum</i>
		172	Longfin smelt	<i>Spirinchus thaleichthys</i>
		189	Arctic char	<i>Salvelinus alpinus</i>
		219	Pacific lamprey	<i>Lampetra tridentata</i>
		233	Ninespine stickleback	<i>Pungitius pungitius</i>
		289	Skipjack herring	<i>Alosa chrysochloris</i>
		319	Gulf sturgeon	<i>Acipenser oxyrinchus desotoi</i>
		333	Herring and shad	<i>Alosa spp.</i>
		364	Endangered anadromous fish	
		367	Alabama shad	<i>Alosa alabamae</i>
		382	Mountain mullet	<i>Agonostomus monticola</i>
		462	Hybrid striped bass	<i>Morone sp.</i>
		490	Chinook salmon (fall)	<i>Oncorhynchus tshawytscha (fall)</i>
		491	Chinook salmon (late fall)	<i>Oncorhynchus tshawytscha (late fall)</i>
		492	Chinook salmon (winter)	<i>Oncorhynchus tshawytscha (winter)</i>
		493	Chinook salmon (spring)	<i>Oncorhynchus tshawytscha (spring)</i>
		500	Sea lamprey	<i>Petromyzon marinus</i>
		501	Brown trout (sea run)	<i>Salmo trutta (sea run)</i>
		502	Brook trout (sea run)	<i>Salvelinus fontinalis (sea run)</i>
		504	Hog-nosed mullet	<i>Joturus pichardi</i>
		524	Sirajo goby (seti)	<i>Sicydium plumieri</i>
		622	'O'opu akupa (goby)	<i>Eleotris sandwicensis</i>
		623	'O'opu alamo'o (goby)	<i>Lentipes concolor</i>
		624	'O'opu nakea (goby)	<i>Awaous guamensis</i>
		625	'O'opu naniha (goby)	<i>Stenogobius hawaiiensis</i>
		626	'O'opu nopili (goby)	<i>Sicyopterus stimpsoni</i>
		1006	Native stream fish	
		1022	Anadromous fish	
		1059	Native gobies	
FISH	e_nursery	11	English sole	<i>Pleuronectes vetulus</i>
		12	Starry flounder	<i>Platichthys stellatus</i>
		18	Plainfin midshipman	<i>Porichthys notatus</i>
		51	Pacific staghorn sculpin	<i>Leptocottus armatus</i>
		65	Bluefish	<i>Pomatomus saltatrix</i>
		66	Pacific herring	<i>Clupea pallasii</i>
		67	Northern anchovy	<i>Engraulis mordax</i>
		88	Winter flounder	<i>Pleuronectes americanus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		106	California grunion	<i>Leuresthes tenuis</i>
		107	Spotted seatrout	<i>Cynoscion nebulosus</i>
		108	Summer flounder	<i>Paralichthys dentatus</i>
		109	Red drum	<i>Sciaenops ocellatus</i>
		110	Black sea bass	<i>Centropristis striata</i>
		111	Southern flounder	<i>Paralichthys lethostigma</i>
		112	Gulf flounder	<i>Paralichthys albigutta</i>
		113	Bay anchovy	<i>Anchoa mitchilli</i>
		115	Atlantic menhaden	<i>Brevoortia tyrannus</i>
		116	Striped mullet	<i>Mugil cephalus</i>
		117	Pinfish	<i>Lagodon rhomboides</i>
		120	Pigfish	<i>Orthopristis chrysoptera</i>
		121	Spot	<i>Leiostomus xanthurus</i>
		122	Black drum	<i>Pogonias cromis</i>
		123	Atlantic croaker	<i>Micropogonias undulatus</i>
		124	Southern kingfish (whiting)	<i>Menticirrhus americanus</i>
		130	Scaled sardine	<i>Harengula jaguana</i>
		131	Great barracuda	<i>Sphyaena barracuda</i>
		133	Snapper	<i>Lutjanus spp.</i>
		137	Sheepshead	<i>Archosargus probatocephalus</i>
		138	Weakfish	<i>Cynoscion regalis</i>
		140	Ladyfish	<i>Elops saurus</i>
		141	Common snook	<i>Centropomus undecimalis</i>
		143	Tarpon	<i>Megalops atlanticus</i>
		145	White perch	<i>Morone americana</i>
		146	Atlantic herring	<i>Clupea harengus</i>
		150	Scup (porgy)	<i>Stenotomus chrysops</i>
		151	Northern puffer	<i>Sphoeroides maculatus</i>
		153	Northern kingfish	<i>Menticirrhus saxatilis</i>
		160	Windowpane flounder	<i>Scophthalmus aquosus</i>
		173	White mullet	<i>Mugil curema</i>
		177	Leopard shark	<i>Triakis semifasciata</i>
		193	Jacksmelt	<i>Atherinopsis californiensis</i>
		207	Sea catfish	<i>Galeichthyes felis</i>
		213	Gulf menhaden	<i>Brevoortia patronus</i>
		214	Gulf kingfish	<i>Menticirrhus littoralis</i>
		215	Sand seatrout	<i>Cynoscion arenarius</i>
		217	Gafftopsail catfish	<i>Bagre marinus</i>
		225	California halibut	<i>Paralichthys californicus</i>
		258	Hawaiian anchovy	<i>Encrasicholina purpurea</i>
		262	California corbina	<i>Menticirrhus undulatus</i>
		263	Shortfin corvina	<i>Cynoscion parvipinnis</i>
		264	Yellowfin croaker	<i>Umbrina roncador</i>
		265	Spotfin croaker	<i>Roncador stearnsii</i>
		268	Silver seatrout	<i>Cynoscion nothus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		273	Star drum	<i>Stellifer lanceolatus</i>
		275	Least puffer	<i>Sphoeroides parvus</i>
		281	Seatrout	<i>Cynoscion sp.</i>
		282	Mullet	<i>Mugil spp.</i>
		285	California barracuda	<i>Sphyaena argentea</i>
		287	Hardhead catfish	<i>Arius felis</i>
		299	Rainwater killifish	<i>Lucania parva</i>
		300	Sailfin molly	<i>Poecilia latipinna</i>
		306	Gray snapper	<i>Lutjanus griseus</i>
		307	Lane snapper	<i>Lutjanus synagris</i>
		317	Bull shark	<i>Carcharhinus leucas</i>
		318	Atlantic sharpnose shark	<i>Rhizoprionodon terraenovae</i>
		321	Atlantic cutlassfish	<i>Trichiurus lepturus</i>
		324	Bighead searobin	<i>Prionotus tribulus</i>
		326	Bonnethead shark	<i>Sphyrna tiburo</i>
		341	River goby	<i>Awaous tajasica</i>
		343	Yellow jack	<i>Caranx bartholomaei</i>
		344	Bar jack	<i>Caranx ruber</i>
		355	Red porgy	<i>Pagrus pagrus</i>
		359	Longspine porgy	<i>Stenotomus caprinus</i>
		366	Hogchoker	<i>Trinectes maculatus</i>
		368	Yellowfin menhaden	<i>Brevoortia smithi</i>
		370	Finescale menhaden	<i>Brevoortia gunteri</i>
		392	Amarillo snapper	<i>Lutjanus argentiventris</i>
		409	Longspine snook	<i>Centropomus armatus</i>
		410	Blackfin snook	<i>Centropomus medius</i>
		411	Yellowfin snook	<i>Centropomus robalito</i>
		414	Catfish	<i>Arius sp.</i>
		416	Mojarras	<i>Diapterus spp.</i>
		434	Yellowfin corvina	<i>Cynoscion stolozmanni</i>
		435	Highfin corvina, Tailfin croaker	<i>Micropogonias altipinnis</i>
		436	Striped corvina	<i>Cynoscion reticulatus</i>
		446	Peruvian mojarra	<i>Diapterus peruvianus</i>
		488	Smooth flounder	<i>Pleuronectes putnami</i>
		494	White croaker	<i>Genyonemus lineatus</i>
		508	Snook	<i>Centropomus spp.</i>
		514	Mutton snapper	<i>Lutjanus analis</i>
		515	Yellowtail snapper	<i>Ocyurus chrysurus</i>
		518	Jewfish	<i>Epinephelus itajara</i>
		520	White grunt	<i>Haemulon plumieri</i>
		525	Bonefish	<i>Albula vulpes</i>
		575		<i>Ariopsis sp.</i>
		579	Blus bobo	<i>Polydactylus approximans</i>
		585	Jacks	<i>Hemicaranx sp.</i>
		589		<i>Diapterus brevimanus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		590	Colorado snapper	<i>Lutjanus colorado</i>
		591		<i>Lutjanus novemfasciatus</i>
		592		<i>Lobotes pacificus</i>
		597		<i>Stellifer sp.</i>
		627	Smooth hammerhead	<i>Sphyrna zygaena</i>
		628	Yellowstripe goatfish	<i>Mulloidichthys flavolineatus</i>
		630	Hawaiian ladyfish	<i>Elops hawaiiensis</i>
		682	Stripebelly puffer	<i>Arothron hispidus</i>
		1004	Nursery fish	
		1008	Jacks	
		1017	Grunts	
		1018	Porgies	
		1019	Snappers	
		1057	Gray mullets	
FISH	e_resident	60	White seaperch	<i>Phanerodon furcatus</i>
		91	Threespine stickleback	<i>Gasterosteus aculeatus</i>
		92	Fourspine stickleback	<i>Apeltes quadracus</i>
		93	Striped killifish	<i>Fundulus majalis</i>
		94	Atlantic silverside	<i>Menidia menidia</i>
		95	Mummichog	<i>Fundulus heteroclitus</i>
		119	Silver perch	<i>Bairdiella chrysoura</i>
		259	Freshwater goby	<i>Awaous sp.</i>
		269	Gulf killifish	<i>Fundulus grandis</i>
		270	Longnose killifish	<i>Fundulus similis</i>
		271	Inland silverside	<i>Menidia beryllina</i>
		274	Sheepshead minnow	<i>Cyprinodon variegatus</i>
		283	Killifish	<i>Fundulus spp.</i>
		296	Diamond killifish	<i>Adinia xenica</i>
		297	Marsh killifish	<i>Fundulus confluentus</i>
		298	Saltmarsh topminnow	<i>Fundulus jenkinsi</i>
		301	Rough silverside	<i>Membras martinica</i>
		330	Goby	
		335	Silversides	
		369	Code goby	<i>Gobiosoma robustum</i>
		374	Naked goby	<i>Gobiosoma bosci</i>
		377	Gulf toadfish	<i>Opsanus beta</i>
		379	Pipefish	<i>Syngnathus spp.</i>
		380	Texas pipefish	<i>Syngnathus affinis</i>
		413	Pacific foureyed fish	<i>Anableps dovii</i>
		415	Catfish	<i>Bagre sp.</i>
		417	Catfish	<i>Galeichthys spp.</i>
		418	Jordan's catfish	<i>Galeichthys jordani</i>
		419		<i>Atherinella guatamalensis</i>
		433	Gulf pipefish	<i>Syngnathus scovelli</i>
		437	Chihuil	<i>Bagre panamensis</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		442	Porthole livebearer	<i>Poeciliopsis gracilis</i>
		443	Black molly	<i>Poecilia sphenops</i>
		475	Delta smelt	<i>Hypomesus transpacificus</i>
		478	Goby	<i>Gobiosoma spp.</i>
		479	Grubby	<i>Myoxocephalus aeneus</i>
		482	Northern pipefish	<i>Syngnathus fuscus</i>
		485	Oyster toadfish	<i>Opsanus tau</i>
		496	Flagfin mojarra	<i>Eucinostomus melanopterus</i>
		527	Mangrove molly	<i>Poecilia orri</i>
		571	Atlantic piquitinga	<i>Lile piquitinga</i>
		581	Mexican snook	<i>Centropomus poeyi</i>
		609	Red sea catfish	<i>Bagre pinnimaculatus</i>
		611	Lined sole	<i>Achirus lineatus</i>
		613	Tidewater silverside	<i>Menidia peninsulae</i>
		614	Roughtail stingray	<i>Dasyatis centroura</i>
		615	Violet goby	<i>Gobioides broussoneti</i>
		629	Goldspot herring	<i>Herklotsichthys quadrimaculatus</i>
		681	Anchialine muraenid eel	<i>Gymnothorax hilonis</i>
		1024	Baitfish	
FISH	fish	365	Rare fish	
		620	Endangered fish	
		621	Threatened fish	
		1000	Fish	
		1011	Forage fish	
FISH	freshwater	76	Alligator gar	<i>Lepisosteus spatula</i>
		82	Bantam sunfish	<i>Lepomis symmetricus</i>
		84	Rainbow smelt	<i>Osmerus mordax</i>
		103	Threadfin shad	<i>Dorosoma petenense</i>
		125	Bigmouth buffalo	<i>Ictiobus cyprinellus</i>
		152	Yellow perch	<i>Perca flavescens</i>
		159	Banded killifish	<i>Fundulus diaphanus</i>
		161	Lake sturgeon	<i>Acipenser fulvescens</i>
		162	Common carp	<i>Cyprinus carpio</i>
		164	Cisco	<i>Coregonus spp.</i>
		165	Lake whitefish	<i>Coregonus clupeaformis</i>
		166	Brook trout	<i>Salvelinus fontinalis</i>
		167	Lake trout	<i>Salvelinus namaycush</i>
		168	Spottail shiner	<i>Notropis hudsonius</i>
		169	Blackchin shiner	<i>Notropis heterodon</i>
		170	Blacknose shiner	<i>Notropis heterolepis</i>
		171	Fathead minnow	<i>Pimephales promelas</i>
		174	Longnose sucker	<i>Catostomus catostomus</i>
		175	White sucker	<i>Catostomus commersoni</i>
		176	Yellow bullhead	<i>Ameiurus natalis</i>
		178	Rock bass	<i>Ambloplites rupestris</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		179	Largemouth bass	<i>Micropterus salmoides</i>
		180	Smallmouth bass	<i>Micropterus dolomieu</i>
		181	Black crappie	<i>Pomoxis nigromaculatus</i>
		182	Bluegill	<i>Lepomis macrochirus</i>
		183	Green sunfish	<i>Lepomis cyanellus</i>
		184	Grass pickerel	<i>Esox americanus</i>
		185	Northern pike	<i>Esox lucius</i>
		186	Muskellunge	<i>Esox masquinongy</i>
		187	Sauger	<i>Stizostedion canadense</i>
		188	Walleye	<i>Stizostedion vitreum vitreum</i>
		190	White bass	<i>Morone chrysops</i>
		191	Shorthead redhorse	<i>Moxostoma macrolepidotum</i>
		200	Blue catfish	<i>Ictalurus furcatus</i>
		201	Channel catfish	<i>Ictalurus punctatus</i>
		202	White crappie	<i>Pomoxis annularis</i>
		203	Warmouth	<i>Lepomis gulosus</i>
		204	Redear sunfish	<i>Lepomis microlophus</i>
		205	Freshwater drum	<i>Aplodinotus grunnius</i>
		206	Spotted sunfish	<i>Lepomis punctatus</i>
		208	Northern squawfish	<i>Ptychocheilus oregonensis</i>
		209	Peamouth	<i>Mylocheilus caurinus</i>
		210	Largescale sucker	<i>Catostomus macrocheilus</i>
		211	Brown bullhead	<i>Ameiurus nebulosus</i>
		212	Pumpkinseed	<i>Lepomis gibbosus</i>
		216	Black buffalo	<i>Ictiobus niger</i>
		218	Bowfin	<i>Amia calva</i>
		220	Sand Roller	<i>Percopsis transmontana</i>
		221	Chiselmouth	<i>Acrocheilus alutaceus</i>
		222	Mottled sculpin	<i>Cottus bairdi</i>
		227	Prickly sculpin	<i>Cottus asper</i>
		229	River redhorse	<i>Moxostoma carinatum</i>
		230	Pygmy whitefish	<i>Prosopium coulteri</i>
		231	Tadpole madtom	<i>Noturus gyrinus</i>
		232	Trout perch	<i>Percopsis omiscomaycus</i>
		234	Johnny darter	<i>Etheostoma nigrum</i>
		235	Lake herring	<i>Coregonus artedi</i>
		236	Crappie	<i>Pomoxis spp.</i>
		237	Burbot	<i>Lota lota</i>
		238	Round whitefish (menomonee)	<i>Prosopium cylindraceum</i>
		239	Splake	<i>Salvelinus namaycush + fontinalis</i>
		240	Greater redhorse	<i>Moxostoma valenciennesi</i>
		241	Striped shiner	<i>Luxilus chrysocephalus</i>
		242	Redfin shiner	<i>Lythrurus umbratilis</i>
		243	Longear sunfish	<i>Lepomis megalotis</i>
		244	Golden redhorse	<i>Moxostoma erythrurum</i>

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		245	Silver redbhorse	<i>Moxostoma anisurum</i>
		246	Black bullhead	<i>Ameiurus melas</i>
		247	Emerald shiner	<i>Notropis atherinoides</i>
		248	Common shiner	<i>Luxilus cornutus</i>
		249	Logperch	<i>Percina caprodes</i>
		250	Ruffe	<i>Gymnocephalus cernuus</i>
		251	Tiger muskellunge	<i>Esox masquinongy x lucius</i>
		252	Yellow bass	<i>Morone mississippiensis</i>
		257	Flathead catfish	<i>Pylodictis olivaris</i>
		276	Red shiner	<i>Cyprinella lutrensis</i>
		277	Paddlefish	<i>Polyodon spathula</i>
		279	Blue sucker	<i>Cycleptus elongatus</i>
		280	Hybrid sunfish	<i>Lepomis spp.</i>
		291	Shiners	<i>Notropis spp.</i>
		292	Chain pickerel	<i>Esox niger</i>
		322	Flier	<i>Centrarchus macropterus</i>
		328	Gar	<i>Lepisosteus spp.</i>
		329	Grass carp	<i>Ctenopharyngodon idella</i>
		336	Pearl darter	<i>Percina aurora</i>
		337	Freckled darter	<i>Percina lenticula</i>
		338	Frecklebelly madtom	<i>Noturus munitus</i>
		339	Bluenose shiner	<i>Pteronotropis welaka</i>
		340	Dusky shiner	<i>Notropis cummingsae</i>
		342	Snail bullhead	<i>Ameiurus brunneus</i>
		353	Golden shiner	<i>Notemigonus crysoleucas</i>
		408	Gar	<i>Atracosteus tropicus</i>
		423	Goldfish	<i>Carassius auratus</i>
		447	Threespot cichlid	<i>Cichlasoma trimaculatum</i>
		448		<i>Chichlasoma motaguense</i>
		449	Jaguar guapote	<i>Chichlasoma managuense</i>
		450		<i>Chichlasoma guttulatum</i>
		451		<i>Atherinella guija</i>
		452	Guatemalen chulin	<i>Rhamdia guatemalensis</i>
		453	Convict cichlid	<i>Cichlasoma nigrofasciatum</i>
		454	Banded astyanax	<i>Astyanax fasciatus</i>
		455		<i>Roeboides salvadoris</i>
		456	Blue sea catfish	<i>Arius guatamalensis</i>
		457		<i>Chichlasoma guija</i>
		458	Tilapia	<i>Oreochromis spp.</i>
		463	Lake chubsucker	<i>Erimyzon sucetta</i>
		464	Longnose gar	<i>Lepisosteus osseus</i>
		465	Madtoms	<i>Noturus spp.</i>
		466	Minnnows	
		468	Orangespotted sunfish	<i>Lepomis humilis</i>
		469	Pirate perch	<i>Aphredoderus sayanus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		470	Smallmouth buffalo	<i>Ictiobus bubalus</i>
		471	Spotted bass	<i>Micropterus punctulatus</i>
		472	Spotted gar	<i>Lepisosteus oculatus</i>
		474	Sacramento splittail	<i>Pogonichthys macrolepidotus</i>
		476	Sacramento perch	<i>Archoplites interruptus</i>
		498	Bullhead catfish	<i>Ameiurus spp.</i>
		503	Arctic grayling	<i>Thymallus arcticus</i>
		505	Peacock bass	<i>Cichla ocellaris</i>
		506	White catfish	<i>Ameiurus catus</i>
		507	Tilapia	<i>Tilapia spp.</i>
		616	Quillback	<i>Carpionodes cyprinus</i>
		617	River carpsucker	<i>Carpionodes carpio</i>
		618	Spotted sucker	<i>Minytrema melanops</i>
		619	Shortnose gar	<i>Lepisosteus platostomus</i>
		647	Shovelnose sturgeon	<i>Scaphirhynchus platyrhynchus</i>
		648	Chubsucker	<i>Erimyzon sp.</i>
		649	Silver carp	<i>Hypophthalmichthys molitrix</i>
		650	Bighead carp	<i>Hypophthalmichthys nobilis</i>
		1005	Reservoir fish	
		1012	Catfish	
		1013	Darters	
FISH	m_benthic	1	Sablefish (blackcod)	<i>Anoplopoma fimbria</i>
		2	Lingcod	<i>Ophiodon elongatus</i>
		3	Pacific sanddab	<i>Citharichthys sordidus</i>
		4	Arrowtooth flounder	<i>Atheresthes stomias</i>
		5	Petrale sole	<i>Eopsetta jordani</i>
		6	Rex sole	<i>Errex zachirus</i>
		7	Pacific halibut	<i>Hippoglossus stenolepis</i>
		8	Butter sole	<i>Pleuronectes isolepis</i>
		9	Rock sole	<i>Lepidopsetta bilineata</i>
		10	Dover sole	<i>Microstomus pacificus</i>
		13	C-O sole	<i>Pleuronichthys coenosus</i>
		14	Curlfin sole	<i>Pleuronichthys decurrens</i>
		15	Sand sole	<i>Psettichthys melanostictus</i>
		16	Flathead sole	<i>Hippoglossoides elassodon</i>
		17	Slender sole	<i>Lyopsetta exilis</i>
		19	Pacific cod	<i>Gadus macrocephalus</i>
		20	Pacific hake	<i>Merluccius productus</i>
		21	Pacific tomcod	<i>Microgadus proximus</i>
		22	Walleye pollock	<i>Theragra chalcogramma</i>
		23	Wolf-eel	<i>Anarrhichthys ocellatus</i>
		24	Pacific ocean perch	<i>Sebastes alutus</i>
		25	Silvergray rockfish (short spine)	<i>Sebastes brevispinis</i>
		26	Copper rockfish	<i>Sebastes caurinus</i>
		27	Puget Sound rockfish	<i>Sebastes emphaeus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		29	Black rockfish	<i>Sebastes melanops</i>
		30	Bocaccio	<i>Sebastes paucispinis</i>
		31	Yelloweye rockfish	<i>Sebastes ruberrimus</i>
		32	Canary rockfish (orange)	<i>Sebastes pinniger</i>
		33	Chilipepper	<i>Sebastes goodei</i>
		34	Redbanded rockfish (flag)	<i>Sebastes babcocki</i>
		35	Rougheye rockfish	<i>Sebastes aleutianus</i>
		36	Splitnose rockfish	<i>Sebastes diploproa</i>
		37	Greenstriped rockfish	<i>Sebastes elongatus</i>
		38	Brown rockfish	<i>Sebastes auriculatus</i>
		39	Redstripe rockfish	<i>Sebastes proriger</i>
		40	Big skate	<i>Raja binoculara</i>
		41	Longnose skate	<i>Raja rhina</i>
		42	Spotted ratfish	<i>Hydrolagus collicii</i>
		46	Kelp greenling	<i>Hexagrammos decagrammus</i>
		47	Rock greenling	<i>Hexagrammos lagocephalus</i>
		48	Whitespotted greenling	<i>Hexagrammos stelleri</i>
		49	Buffalo sculpin	<i>Enophrys bison</i>
		50	Red Irish lord	<i>Hemilepidotus hemilepidotus</i>
		52	Tidepool sculpin	<i>Oligocottus maculosus</i>
		53	Cabezon	<i>Scorpaenichthys marmoratus</i>
		56	Shiner perch	<i>Cymatogaster aggregata</i>
		61	Penpoint gunnel	<i>Apodichthys flavidus</i>
		62	Saddleback gunnel	<i>Pholis ornata</i>
		63	Crescent gunnel	<i>Pholis laeta</i>
		64	Quillback rockfish	<i>Sebastes maliger</i>
		80	Pacific sand lance	<i>Ammodytes hexapterus</i>
		89	Cunner	<i>Tautoglabrus adspersus</i>
		90	White hake	<i>Urophycis tenuis</i>
		96	Sanddab	<i>Citharichthys sp.</i>
		97	Tautog	<i>Tautoga onitis</i>
		99	Atlantic tomcod	<i>Microgadus tomcod</i>
		114	Florida pompano	<i>Trachinotus carolinus</i>
		118	Yellowfin mojarra	<i>Gerres cinereus</i>
		132	Groupers	
		148	Silver hake	<i>Merluccius bilinearis</i>
		149	Atlantic cod	<i>Gadus morhua</i>
		154	Pollock	<i>Pollachius virens</i>
		155	Red hake	<i>Urophycis chuss</i>
		156	American sand lance	<i>Ammodytes americanus</i>
		157	Goosefish	<i>Lophius americanus</i>
		192	Topsmelt	<i>Atherinops affinis</i>
		196	Blue rockfish	<i>Sebastes mystinus</i>
		197	Grass rockfish	<i>Sebastes rastrelliger</i>
		198	Brown Irish lord	<i>Hemilepidotus spinosus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		199	Rock gunnel	<i>Pholis gunnellus</i>
		223	Rockfish	<i>Sebastes spp.</i>
		226	Tidewater goby	<i>Eucyclogobius newberryi</i>
		253	Butterfly fish	<i>Chaetodon sp.</i>
		254	Surgeon fish	<i>Acanthurus sp.</i>
		255	Damselfish	<i>Chromis sp.</i>
		256	Wrasse	<i>Thalassoma sp.</i>
		260	Barred sand bass	<i>Paralabrax nebulifer</i>
		261	Spotted sand bass	<i>Paralabrax maculatofasciatus</i>
		266	Kelp bass	<i>Paralabrax clathratus</i>
		267	Opaleye	<i>Girella nigricans</i>
		278	Little tunny	<i>Euthynnus alletteratus</i>
		284	Flounder	<i>Paralichthys sp.</i>
		286	Sole	
		293	Southern hake	<i>Urophycis floridana</i>
		294	Spotted hake	<i>Urophycis regia</i>
		302	Gag	<i>Mycteroperca microlepis</i>
		303	Permit	<i>Trachinotus falcatus</i>
		305	Red snapper	<i>Lutjanus campechanus</i>
		308	Rock sea bass	<i>Centropristis philadelphica</i>
		309	Spotfin mojarra	<i>Eucinostomus argenteus</i>
		310	Atlantic spadefish	<i>Chaetodipterus faber</i>
		314	Broad flounder	<i>Paralichthys squamilentus</i>
		323	Atlantic stingray	<i>Dasyatis sabina</i>
		325	Blackcheek tonguefish	<i>Symphurus plagiusa</i>
		345	Spotfin butterflyfish	<i>Chaetodon ocellatus</i>
		348	Spottail pinfish	<i>Diplodus holbrooki</i>
		350	Tomtate	<i>Haemulon aurolineatum</i>
		351	Slippery dick	<i>Halichoeres bivittatus</i>
		352	Blue angelfish	<i>Holacanthus bermudensis</i>
		354	Scamp	<i>Mycteroperca phenax</i>
		357	Belted sandfish	<i>Serranus subligarius</i>
		358	Cocoa damselfish	<i>Pomacentrus variabilis</i>
		360	Sand perch	<i>Diplectrum formosum</i>
		362	Southern stingray	<i>Dasyatis americana</i>
		363	Inshore lizardfish	<i>Synodus foetens</i>
		373	Silver jenny	<i>Eucinostomus gula</i>
		375	Bay whiff	<i>Citharichthys spilopterus</i>
		376	Fringed flounder	<i>Etropus crossotus</i>
		381	Cusk eels	<i>Ophidion spp.</i>
		383	Panamic sergeant major	<i>Abudefduf troschelii</i>
		384	Spotted eagle ray	<i>Aetobatus narinari</i>
		385	Threeband butterflyfish	<i>Chaetodon humeralis</i>
		386	Balloonfish	<i>Diodon holocanthus</i>
		387	Porcupinefish	<i>Diodon hystrix</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		388	Flag cabrilla	<i>Epinephelus labriformis</i>
		389	Nassau grouper	<i>Epinephelus striatus</i>
		390	Panamic green moray	<i>Gymnothorax castaneus</i>
		391	Chamelion wrasse	<i>Halichoeres dispilus</i>
		393	Dusky sergeant major	<i>Nexilarius concolor</i>
		394	Pacific snake eel	<i>Ophichthus triserialis</i>
		395	Cortez angelfish	<i>Pomacanthus zonipectus</i>
		396	Banded wrasse	<i>Psuedojulis notospilus</i>
		397	Bumphead parrotfish	<i>Scarus perrico</i>
		398	Orangeside triggerfish	<i>Sufflamen verres</i>
		399	Sharpnose lizardfish	<i>Synodus scituliceps</i>
		400	Cortez rainbow wrasse	<i>Thalassoma lucasanum</i>
		412	Mojarra	<i>Eucinostomus sp.</i>
		420	Convict tang	<i>Acanthurus triostegus</i>
		421	Yellowfin surgeonfish	<i>Acanthurus xanthopterus</i>
		422	Tailspot cardinalfish	<i>Apogon dovii</i>
		424	Vermiculate electric ray	<i>Narcine vermiculatus</i>
		425	Equatorial ray	<i>Raja equatoralis</i>
		426	Tinsel squirrelfish	<i>Sargocentron suborbitalis</i>
		427	Acapulco damselfish	<i>Stegastes acapulcoensis</i>
		431	Spotted cabrilla	<i>Epinephelus analogus</i>
		444	Panamanian grunt	<i>Pomadasys panamensis</i>
		445	Blackmouth croaker	<i>Umbrina xanti</i>
		459	Alaska plaice	<i>Pleuronectes quadrituberculatus</i>
		460	Greenland halibut (turbot)	<i>Reinhardtius hippoglossoides</i>
		461	Yellowfin sole	<i>Pleuronectes asper</i>
		467	American plaice	<i>Hippoglossoides platessoides</i>
		473	Bat ray	<i>Myliobatis californica</i>
		477	Cownose ray	<i>Rhinoptera bonasus</i>
		480	Haddock	<i>Melanogrammus aeglefinus</i>
		481	Longhorn sculpin	<i>Myoxocephalus octodecemspinosus</i>
		483	Northern searobin	<i>Prionotus carolinus</i>
		484	Ocean pout	<i>Macrozoarces americanus</i>
		486	Shorthorn sculpin	<i>Myoxocephalus scorpius</i>
		487	Skates	<i>Raja spp.</i>
		489	Yellowtail flounder	<i>Pleuronectes ferrugineus</i>
		495	Gray triggerfish	<i>Balistes capriscus</i>
		497	Sergeant major	<i>Abudefduf saxatilis</i>
		509	Red hind	<i>Epinephelus guttatus</i>
		510	Yellowfin grouper	<i>Mycteroperca venenosa</i>
		511	Tiger grouper	<i>Mycteroperca tigris</i>
		512	Coney	<i>Epinephelus fulvus</i>
		513	Pacific seahorse	<i>Hippocampus ingens</i>
		516	Margate	<i>Haemulon album</i>

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		519	Silk snapper	<i>Lutjanus vivanus</i>
		528	Common guitarfish	<i>Rhinobatus rhinobatus</i>
		533	Dispar toothcarp	<i>Aphanius dispar</i>
		536	Seahorse	<i>Hippocampus hippocampus</i>
		537	Common seahorse	<i>Hippocampus ramulosus</i>
		538	Brown pipefish	<i>Syngnathus abaster</i>
		539	Silver sillago / whiting	<i>Sillago sinama</i>
		540	White sea bream	<i>Diplodus sargus</i>
		541	Striped sea bream	<i>Lithognathus mormyrus</i>
		547	Lesser weever	<i>Echiichthys vipera</i>
		548	Red-speckled blenny	<i>Parablennius sanguinolentus</i>
		549	Dragonet	<i>Callionymus filamentosus</i>
		550	Buccich's goby	<i>Gobius buccichi</i>
		551	Giant goby	<i>Gobius cobites</i>
		552	Rock goby	<i>Gobius paganelus</i>
		553	Goby sp.	<i>Monishia ochetia</i>
		554	Dusky spinefoot	<i>Siganus luridus</i>
		555	Marbled spinefoot	<i>Siganus rivulatus</i>
		556	Wide-eyed flounder	<i>Bothus podas</i>
		557	Mediterranean sand sole	<i>Solea lascaris</i>
		558	Marbled goby	<i>Pomatoschistus marmoratus</i>
		559	Common torpedo	<i>Torpedo torpedo</i>
		560	Common sole	<i>Solea solea</i>
		561	Angelfish	
		562	Barracuda	
		564	Jacks and pompanos	
		565	Seabass	
		567	Sculpin	<i>Cottidae</i>
		580	Tarpon snook	<i>Centropomus pectinatus</i>
		583		<i>Pseudobalistes sp.</i>
		593		<i>Anisotremus sp.</i>
		595		<i>Pomadasys macracanthus</i>
		596		<i>Haemulon scuderi</i>
		599		<i>Paralonchurus sp.</i>
		608		<i>Pareques viola</i>
		610	Panama spadefish	<i>Parapsettus panamensis</i>
		612	Speckled worm eel	<i>Myrophis punctatus</i>
		634	Bigeye emperor	<i>Monotaxis grandoculis</i>
		639	Lavender tang	<i>Acanthurus nigrofuscus</i>
		640	Blackfin chromis	<i>Chromis vanderbilti</i>
		641	Gold-ring surgeonfish	<i>Ctenochaetus strigosus</i>
		642	Saddle wrasse	<i>Thalassoma duperrey</i>
		643	Yellow tang	<i>Zebrasoma flavescens</i>
		644	Hawaiian silverside	<i>Atherinomorus insularum</i>
		646	Whitetip reef shark	<i>Triaenodon obesus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		651	Achilles surgeonfish	<i>Acanthurus achilles</i>
		652	Big-scale soldierfish	<i>Myripristis berndti</i>
		653	Blueline surgeonfish	<i>Acanthurus nigroris</i>
		654	Bluespine unicornfish	<i>Naso unicornis</i>
		655	Bullethead parrotfish	<i>Scarus sordidus</i>
		656	Eyestripe surgeonfish	<i>Acanthurus dussumieri</i>
		657	Hawaiian domino damselfish	<i>Dascyllus albisella</i>
		658	Hawaiian garden eel	<i>Gorgasia hawaiiensis</i>
		659	Longnose butterflyfish	<i>Forcipiger longirostris</i>
		660	Manybar goatfish	<i>Parupeneus multifasciatus</i>
		661	Moorish idol	<i>Zanclus cornutus</i>
		662	Multiband butterflyfish	<i>Chaetodon multicinctus</i>
		663	Ornate butterflyfish	<i>Chaetodon ornatissimus</i>
		664	Orangespine unicornfish	<i>Naso lituratus</i>
		665	Pacific gregory	<i>Stegastes fasciolatus</i>
		666	Potter's angelfish	<i>Centropyge potteri</i>
		667	Regal parrotfish	<i>Scarus dubius</i>
		668	Ringtail wrasse	<i>Cheilinus unifasciatus</i>
		669	Sleek unicornfish	<i>Naso hexacanthus</i>
		670	Spectacled parrotfish	<i>Chlorurus perspicillatus</i>
		671	Spotted unicornfish	<i>Naso brevirostris</i>
		672	Threespot chromis	<i>Chromis verater</i>
		673	White ulua	<i>Carangoides ajax</i>
		674	Whitebar surgeonfish	<i>Acanthurus leucopareius</i>
		675	Whitespotted surgeonfish	<i>Acanthurus guttatus</i>
		676	White-tail damselfish	<i>Chromis leucurus</i>
		677	Yellowfin moray	<i>Gymnothorax flavimarginatus</i>
		678	Orangeband surgeonfish	<i>Acanthurus olivaceus</i>
		680	Hawaiian black grouper	<i>Epinephelus quernus</i>
		684	Manyray flatfish	<i>Bothus mancus</i>
		686	Thornback cowfish	<i>Lactoria fornasini</i>
		687	Giant trevally	<i>Caranx ignobilis</i>
		688	Dusky frillgoby	<i>Bathygobius fuscus</i>
		689	Native goby	<i>Oxyurichthys lonchotus</i>
		690	Gracile lizardfish	<i>Saurida gracilis</i>
		1001	Blennies	
		1002	Reef fish	
		1007	Parrotfish	
		1009	Damselfish	
		1010	Wrasses	
		1015	Rays	
		1016	Skates	
		1023	Eels	
		1025	Butterflyfish	
		1026	Cardinalfish	

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		1027	Filefish	
		1028	Goatfish	
		1029	Gobies	
		1030	Hawkfish	
		1031	Moray eels	
		1032	Puffers	
		1033	Squirrelfish	
		1034	Surgeonfish	
		1035	Triggerfish	
		1036	Trunkfish	
		1037	Rudderfish	
		1038	Bigeyes	
		1039	Boxfish	
		1040	Moorish idols	
		1041	Trumpetfish	
		1044	Conger eels	
		1045	Scorpionfish	
		1046	Flying fish	
		1048	Porcupinefish	
		1050	Cornetfish	
		1051	Soldierfish	
		1052	Knifejaws	
		1053	Lizardfish	
		1054	Yellowfin goatfish	<i>Mulloidichthys vanicolensis</i>
		1055	Manta rays	
FISH	m_pelagic	28	Yellowtail rockfish	<i>Sebastes flavidus</i>
		54	Redtail surfperch	<i>Amphistichus rhodoterus</i>
		55	Kelp perch	<i>Brachyistius frenatus</i>
		57	Striped seaperch	<i>Embiotoca lateralis</i>
		58	Walleye surfperch	<i>Hyperprosopon argenteum</i>
		59	Pile perch	<i>Rhacochilus vacca</i>
		75	Surf smelt	<i>Hypomesus pretiosus</i>
		78	Capelin	<i>Mallotus villosus</i>
		79	White seabass	<i>Atractoscion nobilis</i>
		81	Spiny dogfish	<i>Squalus acanthias</i>
		126	King mackerel	<i>Scomberomorus cavalla</i>
		127	Spanish mackerel	<i>Scomberomorus maculatus</i>
		128	Blue runner	<i>Caranx crysos</i>
		129	Atlantic thread herring	<i>Opisthonema oglinum</i>
		134	Cobia	<i>Rachycentron canadum</i>
		136	Dolphin	<i>Coryphaena hippurus</i>
		139	Spanish sardine	<i>Sardinella aurita</i>
		142	Crevalle jack	<i>Caranx hippos</i>
		147	Atlantic mackerel	<i>Scomber scombrus</i>
		158	Butterfish	<i>Peprilus triacanthus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFIC NAME
		194	Whitebait smelt	<i>Allosmerus elongatus</i>
		195	Silver surfperch	<i>Hyperprosopon ellipticum</i>
		224	Surfperch	
		228	Night smelt	<i>Spirinchus starksi</i>
		272	Rainbow runner	<i>Elagatis bipinnulata</i>
		288	Tripletail	<i>Lobotes surinamensis</i>
		290	Striped anchovy	<i>Anchoa hepsetus</i>
		295	Halfbeak	<i>Hyporhamphus unifasciatus</i>
		304	Rough scad	<i>Trachurus lathami</i>
		311	Atlantic bonito	<i>Sarda sarda</i>
		312	Harvestfish	<i>Peprilus alepidotus</i>
		313	Gulf butterfish	<i>Peprilus burti</i>
		315	Blacktip shark	<i>Carcharhinus limbatus</i>
		316	Spinner shark	<i>Carcharhinus brevipinna</i>
		320	Atlantic bumper	<i>Chloroscombrus chrysurus</i>
		327	Dwarf seahorse	<i>Hippocampus zosterae</i>
		331	Sharks	
		332	Tiger shark	<i>Galeocerdo cuvier</i>
		334	Finetooth shark	<i>Carcharhinus isodon</i>
		346	Mackerel scad	<i>Decapterus macarellus</i>
		347	Round scad	<i>Decapterus punctatus</i>
		349	Cubbyu	<i>Equetus umbrosus</i>
		356	Greater amberjack	<i>Seriola dumerili</i>
		361	Pearly razorfish	<i>Hemipteronotus novacula</i>
		371	Atlantic threadfin	<i>Polydactylus octonemus</i>
		372	Leatherjacket	<i>Oligoplites saurus</i>
		378	Atlantic needlefish	<i>Strongylura marina</i>
		401	Green jack	<i>Caranx caballus</i>
		402	Pacific crevalle jack	<i>Caranx caninus</i>
		403	Oceanic whitetip shark	<i>Carcharhinus longimanus</i>
		404	Black skipjack	<i>Euthynnus lineatus</i>
		405	Deepbody thread herring	<i>Opisthonema libertate</i>
		406	Pacific sierra	<i>Scomberomorus sierra</i>
		407	California needlefish	<i>Strongylura exilis</i>
		428	Anchovies	<i>Anchovia sp.</i>
		429	Mexican moonfish	<i>Selene orestedii</i>
		430	Lookdown	<i>Selene vomer</i>
		432	Butterfish	<i>Peprilus spp.</i>
		438	Scalloped hammerhead	<i>Sphyrna lewini</i>
		439	Silky shark	<i>Carcharhinus falciformis</i>
		440	Whitenose shark	<i>Nasolamia velox</i>
		441	Smalltail shark	<i>Carcharhinus porosus</i>
		499	Mackerels	<i>Scomberomorus spp.</i>
		517	Dwarf herring (blue fry)	<i>Jenkinsia lamprotaenia</i>
		521	Blue marlin	<i>Makaira nigricans</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		522	Yellowfin tuna	<i>Thunnus albacares</i>
		523	Swordfish	<i>Xiphias gladius</i>
		526	Longbill spearfish	<i>Tetrapturus pfluegeri</i>
		529	Rainbow sardine	<i>Dussumieria acuta</i>
		530	Spotted herring	<i>Herklotsichthys punctatus</i>
		531	Spotted halfbeak	<i>Hemiramphus far</i>
		532	Mediterranean halfbeak	<i>Hyporhamphus picarti</i>
		534	Boyer's silverside	<i>Atherina boyri</i>
		535	Hardyhead silverside	<i>Atherinomorus lacunosus</i>
		542	Thicklip grey mullet	<i>Chelon labrosus</i>
		543	Golden grey mullet	<i>Liza aurata</i>
		544	Thinlip grey mullet	<i>Liza ramada</i>
		545	Pacific sharpnose shark	<i>Rhizoprionodon longurio</i>
		546	Boxlip grey mullet	<i>Oedalechilus labeo</i>
		563	Bluefish spp.	
		566	Tunas	
		568		<i>Urotrygon asterias</i>
		569	Stingray	<i>Dasyatis spp.</i>
		570	Machete	<i>Elops affinis</i>
		572	Caribbean longfin herring	<i>Odontognathus compressus</i>
		573	American coastal pella	<i>Pellona harroweri</i>
		574	Milkfish	<i>Chanos chanos</i>
		576		<i>Tylosurus raphidoma</i>
		577	Timuca	<i>Strongylura timuca</i>
		578	Guaguanche	<i>Sphyræna guachancho</i>
		582	Venezuelan grouper	<i>Mycteroperca cidi</i>
		584		<i>Batrachoides surinamensis</i>
		586	Cocinero	<i>Caranx vinctus</i>
		587		<i>Dormitator maculatus</i>
		588	Pacific spadefish	<i>Chaetodipeterus zonatus</i>
		594		<i>Genuatremus sp.</i>
		598	Anchovies	<i>Anchoa sp.</i>
		600		<i>Menticirrhus nasus</i>
		601	Mexican barracuda	<i>Sphyræna ensis</i>
		602		<i>Spherooides sp.</i>
		603	Galapagos shark	<i>Carcharhinus galapagensis</i>
		604	Weakfish	<i>Cynoscion squamipinnis</i>
		605	Cachema weakfish	<i>Cynoscion phoxocephalus</i>
		606	Whitefin weakfish	<i>Cynoscion albus</i>
		607		<i>Cynoscion nannus</i>
		631	Bigeye scad	<i>Selar crumenophthalmus</i>
		632	Hawaiian flagtail	<i>Kuhlia sandvicensis</i>
		633	Pink snapper	<i>Pristipomoides filamentosus</i>
		635	Threadfin	<i>Polydactylus sexfilis</i>
		636	Atka mackerel	<i>Pleurogrammus monopterygius</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		637	Sharpnose mullet	<i>Neomyxus leuciscus</i>
		638	Wahoo	<i>Acanthocybium solandri</i>
		645	Heller's barracuda	<i>Sphyraena helleri</i>
		679	Gray reef shark	<i>Carcharhinus amblyrhynchos</i>
		683	Leatherback	<i>Scomberoides lysan</i>
		691	Masked angelfish	<i>Genicanthus personatus</i>
		692	Yellowspotted jack	<i>Carangoides orthogrammus</i>
		693	Bluefin trevally	<i>Caranx melampyus</i>
		694	Bigeye jack	<i>Caranx sexfasciatus</i>
		695	Golden trevally	<i>Gnathanodon speciosus</i>
		696	Thicklipped jack	<i>Pseudocaranx dentex</i>
		1003	Pelagic fish	
		1042	Needlefish	
		1043	Sprat	
		1047	Marlins	
		1049	Scad	
		1056	Moonfish	
		1058	Emperors	
FISH	m_resident	685	Eyebar goby	<i>Gnatholepis anjerensis</i>
HABITAT	algae	287	Umbrella algae	<i>Acetabularia sp.</i>
		288	Sea ferns	<i>Bryopsis spp.</i>
		289	Grape and Feather algae	<i>Caulerpa</i>
		290	Green fleece	<i>Codium sp.</i>
		291	Bone algae	<i>Galaxaura sp.</i>
		292	Common disk or Segmented algae	<i>Halimeda sp.</i>
		293	Petticoat algae	<i>Padina sp.</i>
		294	Saragassum	<i>Sargassum liebmanii</i>
		317	Saragassum	<i>Sargassum spp.</i>
		398	Gracilaria	<i>Gracilaria sp.</i>
		412	Caulerpa	<i>Caulerpa spp.</i>
		1028	Algae	
		1054	Algal reef	
HABITAT	coral	147	Coral community	
		295	Gorgonid	<i>Gorgonidae</i>
		296		<i>Pacificigorgia sp.</i>
		297		<i>Balanophyllia bairdiana</i>
		298		<i>Isis hippuris</i>
		299		<i>Pasiopora damicornis</i>
		300		<i>Pocillopora damicornis</i>
		301	Doughnut coral	<i>Scolymia australis</i>
		302	Sun coral	<i>Tubastrea faulkneri</i>
		303		<i>Upsella sp.</i>
		314	Lobe coral	<i>Porites lobata</i>
		315		<i>Pacificigorgia pacifici</i>
		316		<i>Pacificigorgia adamsii</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		518	Black coral	<i>Antipathes spp.</i>
		519	Finger coral	<i>Porites compressa</i>
		520	Table coral	<i>Acropora cytheria</i>
		601	Wire coral	<i>Cirrhopathes anguina</i>
		603	Sinularia molokaiensis (soft coral)	<i>Sinularia molokaiensis</i>
		1030	Coral reef	
		1033	Shelf-edge reef	
		1034	Coral patch reef	
		1039	High live coral cover	
		1040	Massive coral colonies	
		1041	Rare coral	
		1042	Reef pinnacle	
		1043	Soft coral	
		1044	Structural coral reef	
		1047	Mushroom corals	
		1048	Submerged barrier reef	
		1049	Coralline algal apron reef	
		1050	High coral diversity	
		1052	Coral reef habitat	
		1055	Octocoral bed	
HABITAT	fav	46	Horned bladderwort	<i>Utricularia cornuta</i>
		51	Spotted pondweed	<i>Potamogeton pulcher</i>
		89	Banana water lily	<i>Nymphaea mexicana</i>
		105	Pondweed	<i>Potamogeton spp.</i>
		116	Water lotus	<i>Nelumbo lutea</i>
		118	White water-lily	<i>Nymphaea odorata</i>
		165	Featherfoil	<i>Hottonia inflata</i>
		166	Floating pennywort	<i>Hydrocotyle ranunculoides</i>
		174	Lesser bladderwort	<i>Utricularia minor</i>
		176	Minute duckweed	<i>Lemna perpusilla</i>
		193	Small yellow pond lily	<i>Nuphar lutea pumila</i>
		215	Water lettuce	<i>Pistia stratiotes</i>
		216	Spatterdock	<i>Nuphar lutea</i>
		217	Water hyacinth	<i>Eichhornia crassipes</i>
		218	Duck weed	<i>Lemna spp.</i>
		219	Water lily	<i>Nymphaea spp.</i>
		221	Floating aquatic vegetation	
		403	Slender-leaved pondweed	<i>Potamogeton filiformis</i>
HABITAT	hardbottom	148	Hardbottom community	
		252	Hardbottom reef ledge	
		253	Hardbottom reef	
		305	Anemones	
		306		<i>Bunodactis mexicana</i>
		307	Green velvet anemone	<i>Palythoa ignotha</i>
		1031	Hardground	

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		1032	Rock reef	
HABITAT	kelp	2	Bull kelp	<i>Nereocystis luetkeana</i>
		9	Giant kelp	<i>Macrocystis pyrifera</i>
		413	Kelp	<i>Laminaria saludoncula</i>
HABITAT	plant	59	Endangered plant	
		60	Threatened plant	
		61	Butterwort	<i>Pinguicula vulgaris</i>
		102	Maliciae	<i>Maliciae</i>
		214	Rare plant	
		254	Rare community	
		409	Bailey's ballmoss	<i>Tillandsia baileyi</i>
		521	Achyranthes splendens rotundata	<i>Achyranthes splendens rotundata</i>
		522	Charpentiera densiflora	<i>Charpentiera densiflora</i>
		523	Nototrichium humile	<i>Nototrichium humile</i>
		524	Peucedanum sandwicense	<i>Peucedanum sandwicense</i>
		525	Ochrosia haleakalae	<i>Ochrosia haleakalae</i>
		526	Ochrosia kauaiensis	<i>Ochrosia kauaiensis</i>
		527	Pteralyxia kauaiensis	<i>Pteralyxia kauaiensis</i>
		528	Munroidendron racemosum	<i>Munroidendron racemosum</i>
		529	Bidens molokaiensis	<i>Bidens molokaiensis</i> <i>Gnaphalium sandwicensium molokaiense</i>
		530	Gnaphalium s. molokaiense	
		531	Lipochaeta lobata lobata	<i>Lipochaeta lobata lobata</i>
		532	Lipochaeta tenuifolia	<i>Lipochaeta tenuifolia</i>
		533	Tetramolopium sylvae	<i>Tetramolopium sylvae</i>
			Tetramolopium rockii	<i>Tetramolopium rockii</i>
		534	calcisabulorum	<i>calcisabulorum</i>
		535	Tetramolopium rockii rockii	<i>Tetramolopium rockii rockii</i>
		536	Wilkesia hobbyi	<i>Wilkesia hobbyi</i>
		537	Lepidium arbuscula	<i>Lepidium arbuscula</i>
		538	Lepidium bidentatum o-waihiense	<i>Lepidium bidentatum o-waihiense</i>
		539	Lepidium serra	<i>Lepidium serra</i>
		540	Brighamia insignis	<i>Brighamia insignis</i>
		541	Brighamia rockii	<i>Brighamia rockii</i>
		542	Lobelia niihauensis	<i>Lobelia niihauensis</i>
		543	Schiedea apokremnos	<i>Schiedea apokremnos</i>
		544	Schiedea globosa	<i>Schiedea globosa</i>
		545	Schiedea kealiae	<i>Schiedea kealiae</i>
		546	Schiedea ligustrina	<i>Schiedea ligustrina</i>
		547	Schiedea lydgatei	<i>Schiedea lydgatei</i>
		548	Schiedea stellarioides	<i>Schiedea stellarioides</i>
		549	Schiedea menziesii	<i>Schiedea menziesii</i>
		550	Bonamia menziesii	<i>Bonamia menziesii</i>
		551	Capparis sandwichiana	<i>Capparis sandwichiana</i>
		552	Chamaesyce celastroides kaenana	<i>Chamaesyce celastroides kaenana</i>
		553	Chamaesyce celastroides stokesii	<i>Chamaesyce celastroides stokesii</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFIC NAME
		554	Chamaesyce celastroides laehiensis	<i>Chamaesyce celastroides laehiensis</i>
		555	Chamaesyce celastroides tomentella	<i>Chamaesyce celastroides tomentella</i>
		556	Chamaesyce s. skottsbergii	<i>Chamaesyce skottsbergii skottsbergii</i>
		557	Chamaesyce s. vaccinioides	<i>Chamaesyce skottsbergii vaccinioides</i>
		558	Chamaesyce kuwaleana	<i>Chamaesyce kuwaleana</i>
		559	Acacia koaia	<i>Acacia koaia</i>
		560	Canavalia molokaiensis	<i>Canavalia molokaiensis</i>
		561	Canavalia napaliensis	<i>Canavalia napaliensis</i>
		562	Canavalia pubescens	<i>Canavalia pubescens</i>
		563	Sesbania tomentosa	<i>Sesbania tomentosa</i>
		564	Vigna o-wahuensis	<i>Vigna o-wahuensis</i>
		565	Kanaloa kahoolawensis	<i>Kanaloa kahoolawensis</i>
		566	Centaurium sebaeoides	<i>Centaurium sebaeoides</i>
		567	Scaevola coriacea	<i>Scaevola coriacea</i>
		568	Labordia helleri	<i>Labordia helleri</i>
		569	Abutilon menziesii	<i>Abutilon menziesii</i>
		570	Hibiscus arnottianus immaculatus	<i>Hibiscus arnottianus immaculatus</i>
		571	Hibiscus b. brackenridgei	<i>Hibiscus brackenridgei brackenridgei</i>
		572	Hibiscus kokio kokio	<i>Hibiscus kokio kokio</i>
		573	Hibiscus kokio saintjohnianus	<i>Hibiscus kokio saintjohnianus</i>
		574	Hibiscus waimeae hannerae	<i>Hibiscus waimeae hannerae</i>
		575	Pittosporum napaliense	<i>Pittosporum napaliense</i>
		576	Portulaca sclerocarpa	<i>Portulaca sclerocarpa</i>
		577	Portulaca villosa	<i>Portulaca villosa</i>
		578	Portulaca molokiniensis	<i>Portulaca molokiniensis</i>
		579	Bobea sandwicensis	<i>Bobea sandwicensis</i>
		580	Gardenia brighamii	<i>Gardenia brighamii</i>
		581	Hedyotis elatior	<i>Hedyotis elatior</i>
		582	Hedyotis fluviatilis	<i>Hedyotis fluviatilis</i>
		583	Hedyotis littoralis	<i>Hedyotis littoralis</i>
		584	Hedyotis st.-johnii	<i>Hedyotis st.-johnii</i>
		585	Nothoecstrum breviflorum	<i>Nothoecstrum breviflorum</i>
		586	Solanum nelsonii	<i>Solanum nelsonii</i>
		587	Alectryon macrococcus macrococcus	<i>Alectryon macrococcus macrococcus</i>
		588	Pritchardia affinis	<i>Pritchardia affinis</i>
		589	Pritchardia lowreyana	<i>Pritchardia lowreyana</i>
		590	Cyperus trachysanthos	<i>Cyperus trachysanthos</i>
		591	Mariscus p. pennatiformis	<i>Mariscus p. pennatiformis</i>
		592	Fimbristylis hawaiiensis	<i>Fimbristylis hawaiiensis</i>
		593	Ischaemum byrone	<i>Ischaemum byrone</i>
		594	Panicum beecheyi	<i>Panicum beecheyi</i>
		595	Panicum fauriei carteri	<i>Panicum fauriei carteri</i>

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		596	Panicum niihauense	<i>Panicum niihauense</i>
		597	Panicum lineale	<i>Panicum lineale</i>
		598	Marsilea villosa	<i>Marsilea villosa</i>
		599	Ophioglossum concinnum	<i>Ophioglossum concinnum</i>
		602	Pseudognaphalium s. molokaiense	<i>Pseudognaphalium s. molokaiense</i>
		604	Pritchardia remota	<i>Pritchardia remota</i>
		605	Schiedea verticillata	<i>Schiedea verticillata</i>
		606	Amaranthus brownii	<i>Amaranthus brownii</i>
		1007	Aquatic vegetation	
		1053	Native coastal strand vegetation	
HABITAT	reef	411	Reef	
HABITAT	sav	1	Eelgrass	<i>Zostera marina</i>
		7	Surfgrass	<i>Phyllospadix sp.</i>
		48	Whorled water-milfoil	<i>Myriophyllum verticillatum</i>
		55	Flatleaf pondweed	<i>Potamogeton robbinsii</i>
		78	Turtle grass	<i>Thalassia testudinum</i>
		79	Shoal grass	<i>Halodule beaudettei</i>
		80	Widgeon grass	<i>Ruppia maritima</i>
		81	Manatee grass	<i>Syringodium filiforme</i>
		82	Southern naiad	<i>Najas guadalupensis</i>
		83	Water celery	<i>Vallisneria americana</i>
		84	Dwarf seagrass	<i>Halophila engelmannii</i>
		85	Seagrass	
		138	Coontail	<i>Ceratophyllum demersum</i>
		139	Egeria	<i>Egeria densa</i>
		140	Water stargrass	<i>Heteranthera dubia</i>
		141	Hydrilla	<i>Hydrilla verticillata</i>
		142	Eurasian water-milfoil	<i>Myriophyllum spicatum</i>
		143	Pondweed	<i>Potamogeton sp.</i>
		163	Cut-leaved water-milfoil	<i>Myriophyllum pinnatum</i>
		192	Slender water-milfoil	<i>Myriophyllum tenellum</i>
		213	Submersed aquatic vegetation	
		456	Spiny naiad	<i>Najas marina</i>
		1025	Algal flats	
		1036	Macroalgae	
		1045	Rare algae	
		1046	Red algae	
HABITAT	upland	3	Menzies wallflower	<i>Erysimum menziesii</i>
		4	Beach layia	<i>Layia carnosa</i>
		8	Clover lupine	<i>Lupinus tidestromii</i>
		11	Sand (Monterey) gilia	<i>Gilia tenuiflora arenaria</i>
		12	Pitcher's thistle (Dune thistle)	<i>Cirsium pitcheri</i>
		13	Clustered broomrape	<i>Orobanche fasciculata</i>
		15	Spurge	<i>Euphorbia polygonifolia</i>
		16	Rock sandwort	<i>Minuartia michauxii michauxii</i>

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		20	Wild bean	<i>Strophostyles helvola</i>
		21	Sea rocket	<i>Cakile edentula</i>
		22	Ginseng	<i>Panax quinquefolius</i>
		23	Broadleaf sedge	<i>Carex platphylla</i>
		24	Thickspike wheatgrass	<i>Agropyron dasystachyum</i>
		26	Sand reed	<i>Calamovilfa longifolia</i>
		29	Northern comandra	<i>Geocaulon lividum</i>
		30	Pale false foxglove	<i>Agalinis skinneriana</i>
		31	Dwarf lake iris	<i>Iris lacustris</i>
		35	Lake Huron tansy	<i>Tanacetum bipinnatum huronense</i>
		38	Beach peavine	<i>Lathyrus japonicus maritimus</i>
		42	Sand-heather	<i>Hudsonia tomentosa</i>
		44	Prairie fame-flower	<i>Talinum rugospermum</i>
		50	Sticky goldenrod	<i>Solidago simplex randii</i>
		52	Beach sumac	<i>Rhus aromatica var. arenaria</i>
		53	Black-fruit mountain-ricegrass	<i>Piptatherum racemosa</i>
		54	Chamomile grape-fern	<i>Botrychium matricariifolium</i>
		56	Clinton lily	<i>Clintonia borealis</i>
		62	Beautiful sedge	<i>Carex concinna</i>
		64	Spike trisetum	<i>Trisetum spicatum</i>
		69	Marin bent grass	<i>Agrostis blasdalei marinensis</i>
		71	Howells spineflower	<i>Chorizanthe howellii</i>
		74	Surf thistle	<i>Cirsium rhotophilum</i>
		75	Beach spectacle pod	<i>Dithyrea maritima</i>
		95	Chinese tallow	<i>Sapium sebiferum</i>
		120	Coastal gay-feather	<i>Liatrix bracteata</i>
		121	Live oak	<i>Quercus virginiana</i>
		122	Pecan	<i>Carya illinoensis</i>
		124	Grand prairie evening primrose	<i>Oenothera pilosella sessilis</i>
		125	Houston machaeranthera	<i>Machaeranthera aurea</i>
		126	Little bluestem	<i>Schizachyrium scoparium</i>
		127	Brownseed paspalum	<i>Paspalum plicatulum</i>
		128	Long-sepaled false dragonhead	<i>Physostegia longisepala</i>
		130	Scarlet catchfly	<i>Silene subciliata</i>
		131	Sea oats	<i>Uniola paniculata</i>
		132	Bitter panicum	<i>Panicum amarum</i> <i>Schizachyrium scoparium</i>
		133	Seacoast bluestem	<i>littoralis</i>
		136	Texas windmill-grass	<i>Chloris texensis</i>
		137	Threeflower broomweed	<i>Thurovia triflora</i>
		149	American chaffseed	<i>Schwalbea americana</i>
		159	Bristling panic grass	<i>Dichantheium aciculare</i>
		184	Robin-run-away	<i>Dalibarda repens</i>
		186	Rough flatsedge	<i>Cyperus retrofractus</i>
		187	Sea-beach knotweed	<i>Polygonum glaucum</i>

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		189	Sea-side evening primrose	<i>Oenothera humifusa</i>
		207	Carolina goldenrod	<i>Solidago pulchra</i>
		210	Carolina spleenwort	<i>Asplenium heteroresiliens</i>
		211	Southern three-awned grass	<i>Aristida simpliciflora</i>
		212	Pine barren ruellia	<i>Ruellia pedunculata pinetorum</i>
		222	Florida privet	<i>Forestiera segregata</i>
		223	Tiny leaved buckthorn	<i>Sageretia minutiflora</i>
		226	Ashe's savory	<i>Calamintha ashei</i>
		229	Curtiss' milkweed	<i>Asclepias curtissii</i>
		231	Florida bonamia	<i>Bonamia grandiflora</i>
		232	Gulf hammock indian plantain	<i>Hasteola robertiorum</i>
		233	Florida mountain-mint	<i>Pycnanthemum floridanum</i>
		234	Florida three-awned grass	<i>Aristida rhizomophora</i>
		240	Okeechobee gourd	<i>Cucurbita okeechobeensis</i>
		244	Scrub holly	<i>Ilex opaca</i>
		255	Rare terrestrial plant	
		256	Threatened terrestrial plant	
		263	Huisache	<i>Acacia farnesiana</i>
		265	Mesquite	<i>Prosopis glandulosa</i>
		267	Cane bluestem	<i>Bothriochloa barbinodis</i>
		271	False rhodesgrass	<i>Chloris pluriflora</i>
		272	Morning glories	<i>Ipomoea spp.</i>
		273	Granjeno	<i>Celtis pallida</i>
		274	Blackbrush	<i>Acacia rigidula</i>
		278	Welder machaeranthera	<i>Psilactis heterocarpa</i>
		279	Elmendorf's onion	<i>Allium elmendorfii</i>
		280	Wright's yellowshow	<i>Amoreuxia wrightii</i>
		281	Plains gumweed	<i>Grindelia oolepis</i>
		282	Texas stonecrop	<i>Lenophyllum texanum</i>
		283	Lila de los llanos	<i>Echeandia chandleri</i>
		284	South Texas ambrosia	<i>Ambrosia cheiranthifolia</i>
		304	Polystichum calderonense	<i>Polystichum calderonense</i>
		308	Seaside heliotrope	<i>Heliotropium curassavicum</i>
		309	Beach morning glory	<i>Ipomoea pescaprea</i>
		310		<i>Jouvea pilosa</i>
		311	Cinchweed	<i>Pectis arenaria</i>
		312	Spikegrass	<i>Uniola pittieri</i>
		313	Aleutian shield-fern	<i>Polystichum aleuticum</i>
		318	Sandplain gerardia	<i>Agalinis acuta</i>
		319	Bushy rockrose	<i>Helianthemum dumosum</i>
		320	Dune grassland	
		326	Big tarplant	<i>Blepharizonia plumosa plumosa</i>
		330	San Mateo woolly sunflower	<i>Eriophyllum latilobum</i>
		331	San Francisco gumplant	<i>Grindelia hirsutula maritima</i>
		332	Diablo helianthella	<i>Helianthella castanea</i>

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		333	Congdon's tarplant	<i>Hemizonia parryi congdonii</i>
		334	Santa Cruz tarplant	<i>Holocarpha macradenia</i>
		335	Carquinez goldenbush	<i>Isocoma arguta</i>
		337	Tamalpais lessingia	<i>Lessingia micradenia micradenia</i>
		338	Crystal Springs lessingia	<i>Lessingia arachnoidea</i>
		339	San Francisco lessingia	<i>Lessingia germanorum</i>
		340	Showy madia	<i>Madia radiata</i>
		341	Santa Cruz microseris	<i>Stebbinsoseris decipiens</i>
		342	White-rayed pentachaeta	<i>Pentachaeta bellidiflora</i>
		343	Rayless ragwort	<i>Senecio aphanactis</i>
		345	Contra Costa wallflower	<i>Erysimum capitatum angustatum</i>
		346	Most beautiful jewelflower	<i>Streptanthus albidus peramoenus</i>
		347	Tamalpais jewelflower	<i>Streptanthus batrachopus</i> <i>Streptanthus glandulosus pulchellus</i>
		348	Mt. Tamalpais jewelflower	
		349	Tiburon jewelflower	<i>Streptanthus niger</i>
		353	San Francisco champion	<i>Silene verecunda verecunda</i>
		354	San Joaquin saltbush	<i>Atriplex joaquiniana</i>
		355	Brittlescale	<i>Atriplex depressa</i>
		357	Mt. Diablo manzanita	<i>Arctostaphylos auriculata</i>
		358	Presidio manzanita	<i>Arctostaphylos hookeri ravenii</i>
		359	Mt. Tamalpais manzanita	<i>Arctostaphylos hookeri montana</i>
		360	San Bruno Mtn. manzanita	<i>Arctostaphylos imbricata</i>
		361	Montara manzanita	<i>Arctostaphylos montaraensis</i>
		362	Pacific manzanita	<i>Arctostaphylos pacifica</i>
		363	Pallid manzanita	<i>Arctostaphylos pallida</i>
		364	Marin manzanita	<i>Arctostaphylos virgata</i>
		367	Showy indian clover	<i>Trifolium amoenum</i>
		368	San Mateo thornmint	<i>Acanthomintha duttonii</i>
		369	Brewer's western flax	<i>Hesperolinon breweri</i>
		370	Marin western flax	<i>Hesperolinon congestum</i>
		373	Santa Clara red ribbons	<i>Clarkia concinna automixa</i>
		374	Presidio clarkia	<i>Clarkia franciscana</i>
		375	Antioch dunes evening-primrose	<i>Oenothera deltoides howellii</i>
		376	Diamond-petaled California poppy	<i>Eschscholzia rhombipetala</i>
		377	San Francisco Bay spineflower	<i>Chorizanthe cuspidata cuspidata</i>
		378	Robust spineflower	<i>Chorizanthe robusta</i>
		379	Sonoma spineflower	<i>Chorizanthe valida</i>
		380	Marin knotweed	<i>Polygonum marinense</i>
		383	Yellow larkspur	<i>Delphinium luteum</i>
		384	Kellogg's horkelia	<i>Horkelia cuneata sericea</i>
		385	Thin-lobed horkelia	<i>Horkelia tenuiloba</i>
		387	Round-headed Chinese houses	<i>Collinsia corymbosa</i>
		390	San Francisco owl's-clover	<i>Triphysaria floribunda</i>
		391	Western leatherwood	<i>Dirca occidentalis</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		392	Mt. Diablo fairy-lantern	<i>Calochortus pulchellus</i>
		393	Tiburon mariposa lily	<i>Calochortus tiburonensis</i>
		394	Hillsborough chocolate lily	<i>Fritillaria biflora ineziana</i>
		395	Fragrant fritillary	<i>Fritillaria liliacea</i>
		401	Marin checker lily	<i>Fritillaria affinis tristulis</i>
		407	Texas ebony	<i>Pithecellobium flexicaule</i>
		410	Lundell's whitlow-wort	<i>Paronychia lundelliorum</i>
		414	Banara vanderbiltii	<i>Banara vanderbiltii</i>
		418	Eugenia woodburyana	<i>Eugenia woodburyana</i>
		420	Goetzea elegans	<i>Goetzea elegans</i>
		421	Harrisia portoricensis	<i>Harrisia portoricensis</i>
		422	Lyonia truncata proctorii	<i>Lyonia truncata proctorii</i>
		423	Myrcia paganii	<i>Myrcia paganii</i>
		424	Ottoschulzia rhodoxylon	<i>Ottoschulzia rhodoxylon</i>
		426	Schoepfia arenaria	<i>Schoepfia arenaria</i>
		427	Solanum drymophilum	<i>Solanum drymophilum</i>
		429	Vernonia proctorii	<i>Vernonia proctorii</i>
		430	Zanthoxylum thomasianum	<i>Zanthoxylum thomasianum</i>
		431	Adiantum vivesii	<i>Adiantum vivesii</i>
		432	Aristida chaseae	<i>Aristida chaseae</i>
		433	Aristida portoricensis	<i>Aristida portoricensis</i>
		434	Auerodendron pauciflorum	<i>Auerodendron pauciflorum</i>
		435	Buxus vahlii	<i>Buxus vahlii</i>
		436	Calyptranthes thomasiana	<i>Calyptranthes thomasiana</i>
		437	Cornutia obovata	<i>Cornutia obovata</i>
		438	Cyathea dryopteroides	<i>Cyathea dryopteroides</i>
		439	Daphnopsis hellerana	<i>Daphnopsis hellerana</i>
		440	Elaphoglossum serpens	<i>Elaphoglossum serpens</i>
		441	Eugenia haematocarpa	<i>Eugenia haematocarpa</i>
		444	Juglans jamaicensis	<i>Juglans jamaicensis</i>
		445	Lepanthes eltoroensis	<i>Lepanthes eltoroensis</i>
		446	Leptocereus grantianus	<i>Leptocereus grantianus</i>
		448	Mitracarpus maxwelliae	<i>Mitracarpus maxwelliae</i>
		449	Mitracarpus polycladus	<i>Mitracarpus polycladus</i>
		450	Peperomia wheeleri	<i>Peperomia wheeleri</i>
		451	Polygala cowellii	<i>Polygala cowellii</i>
		452	Styrax portoricensis	<i>Styrax portoricensis</i>
		455	Trichilia triacantha	<i>Trichilia triacantha</i> <i>Chamaecrista glandulosa</i>
		457	Chamaecrista glandulosa mirabilis	<i>mirabilis</i>
		462	Malpighia woodburyana	<i>Malpighia woodburyana</i>
		463	Brassavola cucullata	<i>Brassavola cucullata</i>
		464	Tillandsia lineatispica	<i>Tillandsia lineatispica</i>
		465	Psychilis macconelliae	<i>Psychilis macconelliae</i>
		466	West Indian treefern	<i>Cyathea arborea</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		468	Manilkara bidentata	<i>Manilkara bidentata</i>
		469	Schoepfia schreberi	<i>Schoepfia schreberi</i>
		471	Black calabash	<i>Amphitecna latifolia</i>
		472	Machaonia woodburyana	<i>Machaonia woodburyana</i>
		473	Malpighia sp.	<i>Malpighia sp.</i>
		474	Eugenia sp.	<i>Eugenia sp.</i>
		475	Byrsonima sp.	<i>Byrsonima sp.</i>
		476	Psidium sp.	<i>Psidium sp.</i>
		477	Apocynaceae	<i>Apocynaceae sp.</i>
		478	Peperomia myrtifolia	<i>Peperomia myrtifolia</i>
		480	Erythrina eggersii	<i>Erythrina eggersii</i>
		481	Galactia eggersii	<i>Galactia eggersii</i>
		482	Malpighia linearis	<i>Malpighia linearis</i>
		483	Ilex urbaniana	<i>Ilex urbaniana</i>
		484	Solanum mucronatum	<i>Solanum mucronatum</i>
		485	False mastic	<i>Sideroxylon foetidissimum</i>
		486	Malpighia infestissima	<i>Malpighia infestissima</i>
		487	Myrcianthis	<i>Myrcianthis fragerense</i>
		488	West Indian satinwood	<i>Zanthoxylum flavum</i>
		489	Wingleaf soapberry	<i>Sapindus saponaria</i>
		490	Zapote de costa	<i>Manilkara pleeana</i>
		491	Whitewood	<i>Coccoloba krugii</i>
		492	Guajacum officinale	<i>Guajacum officinale</i>
		493	Catesbaea melanocarpa	<i>Catesbaea melanocarpa</i>
		494	Maytenus cymosa	<i>Maytenus cymosa</i>
		495	Agave eggersiana	<i>Agave eggersiana</i>
		496	Nashia inaguensis	<i>Nashia inaguensis</i>
		497	Sloe	<i>Reynosa uncinata</i>
		498	West Indian falsebox	<i>Gyminda latifolia</i>
		499	Cranichis ricartii	<i>Cranichis ricartii</i>
		500	Tectaria estremerana	<i>Tectaria estremerana</i>
		501	Mammillaria nivosa	<i>Mammillaria nivosa</i>
		504	Coastal dune grassland	
		505	Coastal dune scrub thicket	
		506	Coastal live oak-hackberry forest	
		507	Coastal prairie	
		508	Longleaf pine savannah	
		509	Hardwood slope forest	
		510	Live oak forest	
		511	Pine flatwoods	
		512	Pine savannah	
		513	Prairie terrace loess forest	
		514	Salt dome	
		515	Slash pine/post oak forest	
		517	Spruce pine-hardwood mesic	

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
			flatwood	
		1012	Stabilized interior dunes	
		1013	Northern maritime chaparral	
		1014	Coastal terrace prairie	
		1015	Valley needlegrass grassland	
		1016	Serpentine bunchgrass	
		1018	Valley oak woodland	
		1022	Ruderal bayland	
		1023	Farmed/Grazed bayland	
HABITAT	wetland	5	Salt marsh bird's-beak	<i>Cordylanthus maritimus maritimus</i>
		6	Western lily	<i>Lilium occidentale</i>
		10	Coastal dunes milkvetch	<i>Astragalus tener titi</i>
		14	Smartweed	<i>Polygonum careyi</i>
		17	Bald-rush	<i>Psilocarya scirpoides</i>
		18	Clubmoss	<i>Lycopodium appressum</i>
		19	Crimsoneyed rosemallow	<i>Hibiscus mocheutos mocheutos</i>
		25	Moonwort	<i>Botrychium lunaria</i>
		27	Garber's sedge (Elk sedge)	<i>Carex garberi</i>
		28	Chestnut sedge	<i>Fimbristylis puberula</i>
		32	Smooth phlox	<i>Phlox glaberrima</i>
		33	Seaside crowfoot	<i>Ranunculus cymbalaria</i>
		34	Sand dune willow	<i>Salix cordata</i>
		36	False asphodel	<i>Tofieldia glutinosa</i>
		37	Houghton's goldenrod	<i>Solidago houghtonii</i>
		39	Small floating manna-grass	<i>Glyceria borealis</i>
		40	Silverweed	<i>Potentilla anserina</i>
		41	Scirpus-like rush	<i>Juncus scirpoides</i>
		43	Reticulated nutrush	<i>Scleria reticularis</i>
		45	Leafy northern green orchis	<i>Platanthera hyperborea</i>
		47	Zigzag bladderwort	<i>Utricularia subulata</i>
		49	Variegated horsetail	<i>Equisetum variegatum</i>
		57	Brown-fruited rush	<i>Juncus pelocarpus</i>
		58	Capitate spikerush	<i>Eleocharis geniculata</i>
		63	Lenticular sedge	<i>Carex lenticularis</i>
		65	Grass-of-parnassus	<i>Parnassia palustris</i>
		66	Coast sedge	<i>Carex exilis</i>
		67	Michaux's sedge	<i>Carex michauxiana</i>
		68	Lake cress	
		70	Pt. Reyes blennosperma	<i>Blennosperma nanum robustum</i>
		72	Soft bird's-beak	<i>Cordylanthus mollis mollis</i>
		73	Tamarack Swamp community	
		76	Mangrove	
		77	Intermittent coastal wetlands	
		86	Alligatorweed	<i>Alternanthera philoxeroides</i>

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		87	Arrowhead	<i>Sagittaris spp.</i>
		88	Bald cypress	<i>Taxodium distichum</i>
		90	Black needlerush	<i>Juncus roemerianus</i>
		91	Bull-tongue	<i>Sagittaria lancifolia</i>
		92	Bulrush	<i>Scirpus spp.</i>
		93	California bulrush	<i>Scirpus californicus</i>
		94	Cattails	<i>Typha spp.</i>
		96	Common reed	<i>Phragmites australis</i>
		97	Cordgrass	<i>Spartina spp.</i>
		98	Cutgrass	<i>Leersia oryzoides</i>
		99	Dwarf spikerush	<i>Eleocharis parvula</i>
		100	Glasswort	<i>Salicornia spp.</i>
		101	High-tide bush	<i>Iva frutescens</i>
		103	Olney's three-square	<i>Scirpus americanus</i>
		104	Dwarf palmetto	<i>Sabal minor</i>
		106	Rushes	<i>Juncus spp.</i>
		107	Salt grass	<i>Distichlis spicata</i>
		108	Salt marsh bulrush	<i>Scirpus robustus</i>
		109	Salt meadow cordgrass (wiregrass)	<i>Spartina patens</i>
		110	Saltwort	<i>Batis maritima</i>
		111	Seashore paspalum	<i>Paspalum vaginatum</i>
		112	Smooth cordgrass	<i>Spartina alterniflora</i>
		113	Spikerushes	<i>Eleocharis spp.</i>
		114	Sundews	<i>Drosera spp.</i>
		115	Tupelo	<i>Nyssa spp.</i>
		117	Water oak	<i>Quercus nigra</i>
		119	Giant cutgrass (Southern wild rice)	<i>Zizaniopsis miliacea</i>
		123	Correll's false dragon-head	<i>Physostegia correllii</i>
		129	Runyon's waterwillow	<i>Justicia runyonii</i>
		134	Gulfdune paspalum	<i>Paspalum monostachyum</i>
		135	Smooth blue-star	<i>Amsonia glaberrima</i>
		144	Carolina grasswort	<i>Lilaeopsis carolinensis</i>
		145	Seabeach amaranth	<i>Amaranthus pumilus</i>
		146	Yellow fringeless orchid	<i>Platanthera integra</i>
		150	Bur-marigold	<i>Bidens bidentoides</i>
		151	Seaside alder	<i>Alnus maritima</i>
		152	American cupscale	<i>Sacciolepis striata</i>
		153	Awl-leaved rush	<i>Juncus coriaceus</i>
		154	Barton's St. John's-wort	<i>Hypericum adpressum</i>
		155	Black-based quillwort	<i>Isoetes melanopoda</i>
		156	Black-fruited spikerush	<i>Eleocharis melanocarpa</i>
		157	Bog asphodel	<i>Nartheccium americanum</i>
		158	Boykin's lobelia	<i>Lobelia boykinii</i>
		160	Britton's spikerush	<i>Eleocharis brittonii</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFIC NAME
		161	Clustered beaked rush	<i>Rhynchospora glomerata</i>
		162	Coast flatsedge	<i>Cyperus polystachyos</i>
		164	Cypress-swamp sedge	<i>Carex jorii</i>
		167	Fog fruit	<i>Phyla lanceolata</i>
		168	Glade spurge	<i>Euphorbia purpurea</i>
		169	Grass-like beaked rush	<i>Rhynchospora globularis</i>
		170	Knieskern's beaked rush	<i>Rhynchospora knieskernii</i>
		171	Koehn's tooth-cup	<i>Ammannia latifolia</i>
		172	Lace-lip ladies'-tresses	<i>Spiranthes laciniata</i>
		173	Larger buttonweed	<i>Diodia virginiana</i>
		175	Long's bulrush	<i>Scirpus longii</i>
		177	Delta mudwort	<i>Limosella subulata</i>
		178	New Jersey rush	<i>Juncus caesariensis</i>
		179	Pine Barren boneset	<i>Eupatorium resinosum</i>
		180	Pumpkin Ash	<i>Fraxinus profunda</i>
		181	Puttyroot	<i>Aplectrum hyemale</i>
		182	Rare-flowering beaked rush	<i>Rhynchospora rariflora</i>
		183	Red goosefoot	<i>Chenopodium rubrum</i>
		185	Rough cottongrass	<i>Eriophorum tenellum</i>
		188	Sea-beach milkwort	<i>Glaux maritima</i>
		190	Virginia joint-vetch	<i>Aeschynomene virginica</i>
		191	Short-fruited rush	<i>Juncus brachycarpus</i>
		194	Small-headed beaked rush	<i>Rhynchospora microcephala</i>
		195	Snowy orchid	<i>Platanthera nivea</i>
		196	Stinking fleabane	<i>Pluchea foetida</i>
		197	Stout smartweed	<i>Polygonum densiflorum</i>
		198	Swamp-pink	<i>Helonias bullata</i>
		199	Thread-leaved beaked rush	<i>Rhynchospora filifolia</i>
		200	Twisted spikerush	<i>Eleocharis tortilis</i>
		201	Virginia thistle	<i>Cirsium virginianum</i>
		202	Walter's St. John's-wort	<i>Triadenum walteri</i>
		203	Whorled nut rush	<i>Scleria verticillata</i>
		204	Wrinkled jointgrass	<i>Coelorachis rugosa</i> <i>Sarracenia rubra ssp.</i> <i>alabamensis</i>
		205	Alabama canebrake pitcher-plant	
		206	Saltmarsh spikerush	<i>Eleocharis halophila</i>
		208	Godfrey's sandwort	<i>Minuartia godfreyi</i>
		209	Spring flowering goldenrod	<i>Solidago verna</i>
		220	Prairie white-fringed orchid	<i>Platanthera leucophaea</i>
		224	Greenfly orchid	<i>Epidendrum conopseum</i>
		225	Dense-flowered groundsel-tree	<i>Baccharis glomeruliflora</i>
		227	Bartram's ixia	<i>Sphenostigma coelestina</i>
		228	Chapman's sedge	<i>Carex chapmanii</i>
		230	Fall-flowering pleat-leaf	<i>Nemastylis floridana</i>
		235	Florida willow	<i>Salix floridana</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFIC NAME
		236	Florida hartwrightia	<i>Hartwrightia floridana</i>
		237	Lake-side sunflower	<i>Helianthus carnosus</i>
		238	Large-flowered grass-of-parnassus	<i>Parnassia grandifolia</i>
		239	Ocala vetch	<i>Vicia ocalensis</i>
		241	Piedmont jointgrass	<i>Mnesithea tuberculosa</i>
		242	Pond spice	<i>Litsea aestivalis</i>
		243	Scrub bay	<i>Persea humilis</i>
		245	Slender-leaved dragon-head	<i>Physostegia leptophylla</i>
		246	Southern milkweed	<i>Asclepias viridula</i>
		247	Catesby's lily	<i>Lilium catesbaei</i>
		248	Spoon-flower	<i>Peltandra sagittifolia</i>
		249	St. John's susan	<i>Rudbeckia nitida</i>
		250	Yellow star anise	<i>Illicium parviflorum</i>
		251	Variable-leaf crownbeard	<i>Verbesina heterophylla</i>
		257	Rare wetland/aquatic plant	
		258	Threatened wetland/aquatic plant	
		259	Gulf cordgrass	<i>Spartina spartinae</i>
		260	Key grass (shoregrass)	<i>Monanthochloe littoralis</i>
		261	Sea ox-eye daisy	<i>Borrichia frutescens</i>
		262	Groundsel tree	<i>Baccharis halimifolia</i>
		264	Sea-blite	<i>Suaeda spp.</i>
		266	Black mangrove	<i>Avicennia germinans</i>
		268	Salt marsh bulrush	<i>Scirpus maritimus</i>
		269	Sea lavender	<i>Limonium carolinianum</i>
		270	Coastal dropseed	<i>Sporobolus virginicus</i>
		275	Redbay	<i>Persea borbonia</i>
		276	Marshelder dodder	<i>Cuscuta attenuata</i>
		277	Roughseed sea-purslane	<i>Sesuvium trianthemoides</i>
		285	Camphor daisy	<i>Machaeranthera phyllocephala</i>
		286	Sea purslane	<i>Sesuvium portulacastrum</i>
		321	Cypress tupelo swamp	
		322	Mason's lilaepsis	<i>Lilaeopsis masonii</i>
		323	Adobe sanicle	<i>Sanicula maritima</i>
		324	Suisun marsh aster	<i>Aster lentus</i>
		325	Sonoma sunshine	<i>Blennosperma bakeri</i>
		327	Fountain thistle	<i>Cirsium fontinale fontinale</i>
		328	Suisun thistle	<i>Cirsium hydrophilum hydrophilum</i>
		329	Mt. Tamalpais thistle	<i>Cirsium hydrophilum vaseyi</i>
		336	Contra Costa goldfields	<i>Lasthenia conjugens</i>
		344	San Francisco popcorn-flower	<i>Plagiobothrys diffusus</i>
		350	Dwarf downingia	<i>Downingia pusilla</i>
		351	Legenere	<i>Legenere limosa</i>
		352	Marsh sandwort	<i>Arenaria paludicola</i>
		356	California seablite	<i>Suaeda californica</i>
		365	Alkali milk-vetch	<i>Astragalus tener tener</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFIC NAME
		366	Delta tule pea	<i>Lathyrus jepsonii jepsonii</i>
		371	Point Reyes checkerbloom	<i>Sidalcea calycosa rhizomata</i>
		372	Marin checkerbloom	<i>Sidalcea hickmanii viridis</i>
		381	Baker's navarretia	<i>Navarretia leucocephala bakeri</i>
		382	Marin County navarretia	<i>Navarretia rosulata</i>
		386	Tiburon indian paintbrush	<i>Castilleja affinis neglecta</i>
		388	Point Reyes bird's-beak	<i>Cordylanthus maritimus palustris</i>
		389	Hispid bird's-beak	<i>Cordylanthus mollis hispidus</i>
		396	Yellowray goldfields	<i>Lasthenia glabrata</i>
		397	Ambiguous indian paintbrush	<i>Castilleja ambigua</i>
		399	Nootka alkaligrass	<i>Puccinellia nutkaensis</i>
		400	Mojave seablite	<i>Suaeda moquinii</i>
		402	North coast semaphore grass	<i>Pleuropogon hooverianus</i>
		404	Texas palmetto	<i>Sabel mexicana</i>
		405	Black willow	<i>Salix nigra</i>
		406	Anacua	<i>Ehretia anacua</i>
		408	Snake-eyes	<i>Phaulothamnus spinescens</i>
		415	Callicarpa ampla	<i>Callicarpa ampla</i>
		416	Calyptronoma rivalis	<i>Calyptronoma rivalis</i>
		417	Crescentia portoricensis	<i>Crescentia portoricensis</i>
		419	Gesneria pauciflora	<i>Gesneria pauciflora</i>
		425	Pterocarpus swamp	<i>Pterocarpus officinalis</i>
		428	Stahlia monosperma	<i>Stahlia monosperma</i>
		442	Ilex cookii	<i>Ilex cookii</i>
		443	Ilex sintenisii	<i>Ilex sintenisii</i>
		447	Lunania ekmanii	<i>Lunania ekmanii</i>
		453	Ternstroemia luquillensis	<i>Ternstroemia luquillensis</i>
		454	Ternstroemia subsessilis	<i>Ternstroemia subsessilis</i>
		458	Thelypteris verecunda	<i>Thelypteris verecunda</i>
		459	Pleodendron macranthum	<i>Pleodendron macranthum</i>
		460	Thelypteris inabonensis	<i>Thelypteris inabonensis</i>
		461	Thelypteris yaucoensis	<i>Thelypteris yaucoensis</i>
		467	Inland leatherfern	<i>Acrostichum danaeifolium</i>
		470	Pond apple	<i>Annona glabra</i>
		479	Cypselea humifusa	<i>Cypselea humifusa</i>
		502	Eastern gamagrass	<i>Tripsarum dactyloides</i>
		503	Sea pink	<i>Sabatia stellaris</i>
		516	Slash pine-cypress/hardwood forest	
		600	Whorled milkwort	<i>Polygala verticillata</i>
		1001	Salt-brackish marsh	
		1002	Freshwater marsh	
		1003	Forested wetland	
		1004	Rice field	
		1005	Palustrine scrub-shrub	

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		1006	Estuarine scrub-shrub	
		1008	Intermediate marsh	
		1009	Brackish marsh	
		1010	Salt marsh	
		1011	Willow grove (sausal)	
		1017	Vernal pool	
		1019	Tidal marsh	
		1020	Muted tidal marsh	
		1021	Diked marsh	
		1024	Managed marsh	
		1026	Salt pond	
		1027	Storage/Treatment pond	
		1029	Vernal pool plants	
		1035	Sea level fen	
		1037	Freshwater tidal marsh	
		1038	Maritime holly forest	
		1051	Scrub-shrub wetland	
INVERT	barnacle	282	Ribbed barnacles	<i>Tetraclita spp.</i>
INVERT	bivalve	1	Washington clam	<i>Saxidomus nuttallii</i>
		18	Pismo clam	<i>Tivela stultorum</i>
		19	Blue mussel	<i>Mytilus edulis</i>
		20	California mussel	<i>Mytilus californianus</i>
		21	Washington butter clam	<i>Saxidomus giganteus</i>
		22	Common egg cockel	<i>Laevicardium laevigatum</i>
		23	Horse clam	<i>Tresus capax</i>
		24	Gaper clam	<i>Tresus nuttallii</i>
		25	Softshell clam	<i>Mya arenaria</i>
		26	Japanese littleneck clam	<i>Tapes philippinarum</i>
		27	Flat-tipped piddock (rock)	<i>Penitella penita</i>
		28	Pacific razor clam	<i>Siliqua patula</i>
		29	Pacific littleneck	<i>Protothaca staminea</i>
		32	Geoduck	<i>Panope generosa</i>
		33	Spiny scallop	<i>Chlamys hastata</i>
		34	Sea scallop	<i>Placopecten magellanicus</i>
		35	Rock scallop	<i>Hinnites multirugosus</i>
		36	Reddish scallop	<i>Chlamys rubida</i>
		38	Native Pacific oyster	<i>Ostrea lurida</i>
		41	Bay scallop	<i>Argopecten irradians</i>
		42	Northern quahog (hard clam)	<i>Mercenaria mercenaria</i>
		43	Eastern oyster	<i>Crassostrea virginica</i>
		48	Arctic surfclam	<i>Mactromeris polynyma</i>
		52	Bean clam	<i>Donax gouldii</i>
		56	Wart-necked piddock	
		58	Sunset clam	<i>Gari californica</i>
		59	Rough-sided little-necked clam	<i>Palphia staminea</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		66	California jackknife clam	<i>Tagelus californianus</i>
		67	Spiny cockle	<i>Cardium quadragenarium</i>
		68	Clipped semele clam	<i>Semele sp.</i>
		76	Nuttall cockle	<i>Clinocardium nuttallii</i>
		77	Atlantic jackknife clam	<i>Ensis directus</i>
		79	Pacific oyster	<i>Crassostrea gigas</i>
		80	Ribbed mussel	<i>Geukensia demissa</i>
		81	Nothern horse mussel	<i>Modiolus modiolus</i>
		82	Brackishwater clam	<i>Rangia cuneata</i>
		89	Speckled scallop	<i>Argopectin circularis</i>
		94	Southern quahog (hard clam)	<i>Mercenaria campechiensis</i>
		95	Dwarf surf clam	<i>Mulinia lateralis</i>
		98	Mussel	<i>Lithophaga sp.</i>
		100	Quahog (hard clam)	<i>Mercenaria spp.</i>
		102	Calico scallop	<i>Argopecten gibbus</i>
		104	Mississippi pigtoe	<i>Pleurobema beadleanum</i> <i>Lasmigona complanata</i>
		105	White heelsplitter	<i>complanata</i>
		106	Alabama spike	<i>Elliptio arca</i>
		107	Squawfoot	<i>Strophitus undulatus</i>
		108	Alabama hickorynut	<i>Obovaria unicolor</i>
		117	St. Johns elephantear	<i>Elliptio monroensis</i>
		118	Florida lance	<i>Elliptio waltoni</i>
		125	Coquinas	<i>Donax spp.</i>
		131	Oysters	<i>Ostrea spp.</i>
		132	Pearl oyster	<i>Pinctada mazatlanica</i>
		134		<i>Anadara grandis</i>
		135		<i>Anadara similis</i>
		136		<i>Anadara tuberculosa</i>
		137		<i>Brachydontes semilaevis</i>
		139	Mussel	<i>Mytella sp.</i>
		140		<i>Mytella guyanensis</i>
		141		<i>Mytella strigata</i>
		142		<i>Ostrea corteziensis</i>
		143		<i>Ostrea iridescens</i>
		144		<i>Ostrea palmula</i>
		173	Disjunct cleftclam	<i>Conchocele disjuncta</i>
		174	Broad yoldia	<i>Yoldia thraciaeformis</i>
		175	Crisscrossed yoldia	<i>Yoldia scissurata</i>
		176	Trenched nutclam	<i>Nuculana fossa</i>
		177	Elegant softshell clam	<i>Mya elegans</i>
		178	Truncate softshell clam	<i>Mya truncata</i>
		179	False softshell clam	<i>Mya pseudoarenaria</i>
		180	Siberia softshell clam	<i>Mya uzenensis</i>
		181	Alaska razor clam	<i>Siliqua alta</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		182	Arctic roughmya	<i>Panomya arctica</i>
		183	Ample roughmya	<i>Panomya ampla</i>
		184	Arctic hiatella	<i>Hiatella arctica</i>
		185	Crenulate astarte	<i>Astarte crenata</i>
		186	Boreal tridonta	<i>Tridonta borealis</i>
		187	Alaska great tellin	<i>Tellina lutea</i>
		188	Bent-nose macoma	<i>Macoma nasuta</i>
		189	Chalky macoma	<i>Macoma calcarea</i>
		190	Heavy macoma	<i>Macoma brota</i>
		191	Flat macoma	<i>Macoma moesta</i>
		257	Black mussel	<i>Musculus niger</i>
		258	Discordant mussel	<i>Musculus discors</i>
		259	Weatherwane scallop	<i>Patinopectin caurinus</i>
		260	Arctic pink scallop	<i>Chlamys pseudislandica</i>
		278	Edible brown mussel	<i>Perna perna</i>
		286	Ocean quahog	<i>Arctica islandica</i>
		287	Atlantic surfclam	<i>Spisula solidissima</i>
		312	Dark falsemussel	<i>Mytilopsis leucophaeata</i>
		339	Many-ribbed arc	<i>Anadara multcostata</i>
		340	Blood arc	<i>Anadara nux</i>
		355		<i>Chama frondosa</i>
		358		<i>Ostrea angelica</i>
		359		<i>Ostrea columbiensis</i>
		360		<i>Ostrea conchaphila</i>
		361		<i>Ostrea fisheri</i>
		362		<i>Ostrea megodon</i>
		363		<i>Chama echinata</i>
		364		<i>Chama buddiana</i>
		367	Eastern pondmussel	<i>Ligumia nasuta</i>
		377	Tidewater mucket	<i>Leptodea ochracea</i>
		380	Rare freshwater mussel	
		381	Threatened freshwater mussel	
		401	Rock oyster	<i>Chama iostoma</i>
		410	Hawaiian mussel	<i>Brachidontes crebristriatus</i>
		413	Black-lipped pearl oyster	<i>Pinctada margaritifera</i>
		426	False 'opihi	<i>Siphonaria normalis</i>
		427	Hawaiian oyster	<i>Ostrea sandvicensis</i>
		432	Macoma spp.	<i>Macoma spp.</i>
		433	Spiny oyster	<i>Spondylus nicobaricus</i>
		1013	Bivalves	
		1015	Mussels	
		1044	Endangered bivalve	
INVERT	cephalopod	30	Octopus	<i>Octopus spp.</i>
		37	Pacific Coast squid	<i>Loligo opalescens</i>
		73	Longfin squid	<i>Loligo pealeii</i>

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		119	Bay squid	<i>Lolliguncula brevis</i>
		123	Two-spotted octopus	<i>Octopus bimaculatus</i>
		124	Common Atlantic octopus	<i>Octopus vulgaris</i>
		145		<i>Octopus chierchiaie</i>
		170	Eastern Pacific bobtail squid	<i>Rossia pacifica</i>
		171	Magistrate armhook squid	<i>Berryteuthis magister</i>
		172	Giant octopus	<i>Octopus dofleini</i>
		281	Dart squid	<i>Loliolopsis diomedea</i>
		322	Squid	<i>Loligo spp.</i>
		382	Day octopus	<i>Octopus cyanea</i>
		1030	Octopus	
INVERT	chordate	146		<i>Urochordata</i>
INVERT	crab	13	Flame-streaked box crab	<i>Calappa flammea</i>
		14	Dungeness crab	<i>Cancer magister</i>
		15	Striped shore crab	<i>Pachygrapsus crassipes</i>
		16	Puget Sound king crab	<i>Paralithodes sp.</i>
		17	Northern kelp crab	<i>Pugettia producta</i>
		39	Red king crab	<i>Paralithodes camtschaticus</i>
		40	Tanner crab	<i>Chionoecetes bairdi</i>
		44	Horseshoe crab	<i>Limulus polyphemus</i>
		49	Blue crab	<i>Callinectes sapidus</i>
		53	Red rock crab	<i>Cancer productus</i>
		57	Pacific rock crab	<i>Cancer antennarius</i>
		70	Purple shore crab	<i>Hemigrapsus nudus</i>
		74	Stone crab	<i>Menippe spp.</i>
		75	Golden king crab	<i>Lithodes aequispina</i>
		88	Samoan crab	<i>Scylla serrata</i>
		91	Rock crabs	
		96	Ghost crab	<i>Ocypode quadrata</i>
		99	Surf crab	<i>Arenaeus cribrarius</i>
		120	Gulf stone crab	<i>Menippe adina</i>
		121	Lesser blue crab	<i>Callinectes similis</i>
		126	Blue crabs	<i>Callinectes spp.</i>
		127	Blackback land crab	<i>Gecarcinus lateralis</i>
		147	Giant land crab	<i>Cardisoma crassum</i>
		148		<i>Menippe frontalis</i>
		149	Mangrove crab	<i>Ucides occidentalis</i>
		192	Blue king crab	<i>Paralithodes platypus</i>
		193	Scarlet king crab	<i>Lithodes couesi</i>
		194	Brown box crab	<i>Lopholithodes foraminatus</i>
		195	Red box crab	<i>Lopholithodes mandtii</i>
		196	Rhinoceros crab	<i>Rhinolithodes wosnessenskii</i>
		197	Flatspine triangle crab	<i>Phyllolithodes papillosus</i>
		198	Fuzzy crab	<i>Acantholithodes hispidus</i>
		199	Soft crab	<i>Hapalogaster grebnitzkii</i>

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		200	Scaled crab	<i>Placetron wosnessenskii</i>
		201	Pinch bug	<i>Munida quadrispina</i>
		202	Snow crab	<i>Chionoecetes opilio</i>
		203	Grooved tanner crab	<i>Chionoecetes tanneri</i>
		204	Triangle tanner crab	<i>Chionoecetes angulatus</i>
		205	Graceful kelp crab	<i>Pugettia gracilis</i>
		206	Arctic lyre crab	<i>Hyas coarctatus</i>
		207	Pacific lyre crab	<i>Hyas lyratus</i>
		208	Pygmy rock crab	<i>Cancer oregonensis</i>
		209	Hair crab	<i>Erimacrus isenbeckii</i>
		210	Helmet crab	<i>Telmessus cheiragonus</i>
		211	Graceful decorator crab	<i>Oregonia gracilis</i>
		212	Splendid hermit	<i>Labidochirus splendescens</i>
		213	Wideband hermit	<i>Elassochirus tenuimanus</i>
		214	Purple hermit	<i>Elassochirus cavimanus</i>
		215	Pacific red hermit	<i>Elassochirus gilli</i>
		216	Aleutian hermit	<i>Pagurus aleuticus</i>
		217	Alaskan hermit	<i>Pagurus ochotensis</i>
		218	Hermit crab	<i>Pagurus spp.</i>
		284	Brown king	
		303	Atlantic rock crab	<i>Cancer irroratus</i>
		304	Green crab	<i>Carcinus maenas</i>
		305	Jonah crab	<i>Cancer borealis</i>
		308	Gulf grassflat crab	<i>Dyspanopeus texana</i>
		309	Freshwater crab	<i>Epilobocera sinuatifrons</i>
		313	Swamp ghost crab (zambuco)	<i>Ucides cordatus</i>
		314	Blue land crab	<i>Cardisoma guanhumi</i>
		320	Swimming crab	<i>Charybdis longicollis</i>
		324	Purple land crab	<i>Gecarcinus ruricola</i>
		332		<i>Calappa convexa</i>
		333	Armed box crab	<i>Mursia gaudichaudii</i>
		334		<i>Arenaeus mexicanus</i>
		335		<i>Enphylax dovii</i>
		336		<i>Eurytium affine</i>
		337		<i>Gecarcinus quadratus</i>
		338		<i>Clibanarius panamensis</i>
		345	Arched swimming crab	<i>Callinectes arcuatus</i>
		346		<i>Callinectes toxotes</i>
		347		<i>Portunus panamensis</i>
		348		<i>Panopeus herbstedii</i>
		350		<i>Lithodes panamensis</i>
		352		<i>Cancer johngarthi</i>
		353		<i>Coenobita compressa</i>
		354	Pacific sand crab	<i>Emerita analoga</i>
		357		<i>Emerita rathbunae</i>

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		383	Blood-spotted swimming crab	<i>Portunus sanguinolentus</i>
		411	Kona crab	<i>Ranina ranina</i>
		412	Thin-shelled rock crab	<i>Grapsus tenuicrustatus</i>
		1001	Crabs	
		1014	Land crabs	
		1024	Hermit crabs	
		1025	Swimming crabs	
		1038	Xanthid crabs	
INVERT	crayfish	78	Western Pacific crayfish	<i>Pacifastacus leniusculus</i>
		83	White river crawfish	<i>Procambarus acutus</i>
		84	Red swamp crawfish	<i>Procambarus clarkii</i>
		85	Pacific river crayfish	<i>Pacifistacus trowbridgil</i>
		103	Camp Shelby burrowing crawfish	<i>Fallicambarus gordoni</i>
		109	Black Creek crayfish	<i>Procambarus pictus</i>
		110	Big-cheeked cave crayfish	<i>Procambarus delicatus</i>
		116	Silver Glen Springs cave crayfish	<i>Procambarus attiguus</i>
		379	Rare crayfish	
INVERT	echinoderm	86	Red sea urchin	<i>Strongylocentrotus franciscanus</i>
		128	Impatient sea cucumber	<i>Holothuria impatiens</i>
		129	Panama brittle star	<i>Ophioderma panamense</i>
		150	Basket stars	<i>Astrodictyum spp.</i>
		151		<i>Diadema mexicanum</i>
		152		<i>Echinometra vanbrunti</i>
		153		<i>Holothuria inhabilis</i>
		154		<i>Mellitella sp.</i>
		155		<i>Mellitella stokesii</i>
		156		<i>Ophiocoma aethiops</i>
		157		<i>Ophiocoma alexandri</i>
		159		<i>Pharia pyramidata</i>
		160		<i>Phataria unifascialis</i>
		161	Sulfur sea cucumber	<i>Selenothuria lubrica</i>
		162	Central Gulf sea urchin	<i>Toxopneustes roseus</i>
		219	Green urchin	<i>Strongylocentrotus droebachiensis</i>
		220	Fragile urchin	<i>Alloccentrotus fragilis</i>
		221	Heart urchin	<i>Brisaster latifrons</i>
		283		<i>Encope micropora</i>
		307	Lined sea star	<i>Luidia clathrata</i>
		384	Banded urchin	<i>Echinothrix calamaris</i>
		385	Blue-black urchin	<i>Echinothrix diadema</i>
		386	Collector urchin	<i>Tripneustes gratilla</i>
		387	Cushion star	<i>Culcita novaeguineae</i>
		388	Helmet urchin	<i>Colobocentrotus atratus</i>
		389	Long-spined urchin	<i>Diadema paucispinum</i>
		390	Rock-boring urchin	<i>Echinometra mathaei</i>
		391	Needle-spined urchin	<i>Echinostrephus aciculatus</i>

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		392	Ten-lined urchin	<i>Euclidaris metularia</i>
		428	Oblong urchin	<i>Echinometra oblonga</i>
		429	Pebble collector urchin	<i>Pseudoboletia indiana</i>
		430	Red pencil urchin	<i>Heterocentrotus mammillatus</i>
		434	Crown-of-thorns starfish	<i>Acanthaster planci</i>
		1009	Sea urchins	
		1010	Echinoderms	
		1012	Sea cucumbers	
		1032	Starfish	
INVERT	gastropod	31	Japanese abalone	<i>Haliotis kamtschatkana</i>
		46	Channeled whelk	<i>Busycon canaliculatum</i>
		47	Knobbed whelk	<i>Busycon carica</i>
		55	Wavy top snail	<i>Astraea undosa</i>
		60	Abalone	<i>Haliotis spp.</i>
		61	Red abalone	<i>Haliotis rufescens</i>
		62	Black abalone	<i>Haliotis cracherodii</i>
		63	Green abalone	<i>Haliotis fulgens</i>
		64	White abalone	<i>Haliotis sorenseni</i>
		65	Pink abalone	<i>Haliotis corrugata</i>
		87	California brackishwater snail	<i>Tryonia imitator</i>
		90	Lightning whelk	<i>Busycon contrarium</i>
		101	Queen conch	<i>Strombus gigas</i>
		111	Blue Spring hydrobe	<i>Aphaostracon asthenes</i>
		112	Blue Spring siltsnail	<i>Cincinnatia parva</i>
		113	Dense hydrobe	<i>Aphaostracon pycnus</i>
		114	Enterprise siltsnail	<i>Cincinnatia monroensis</i>
		130	California sea hare	<i>Aplysia californica</i>
		163		<i>Acanthina brevidentada</i>
		164		<i>Fasciolaria princeps</i>
		165	Rock shells	<i>Purpura spp.</i>
		222	Great slippersnail	<i>Crepidula grandis</i>
		223	Arctic moonsnail	<i>Natica clausa</i>
		224	Rusty moonsnail	<i>Natica russa</i>
		225	Pale moonsnail	<i>Polinices pallidus</i>
		226	Oregon triton	<i>Fusitriton oregonensis</i>
		227	Alaska volute	<i>Arctomelon stearnsii</i>
		228	Oblique whelk	<i>Colus hypolispus</i>
		229	Hall's colus	<i>Colus halli</i>
		230	Keeled aforia	<i>Aforia circinata</i>
		231	Dall's drill	<i>Eupleura muriciformis</i>
		232	Polar whelk	<i>Buccinum polare</i>
		233	Angular whelk	<i>Buccinum angulosum</i>
		234	Sinuous whelk	<i>Buccinum plectrum</i>
		235	Ladder whelk	<i>Buccinum scalariforme</i>
		236	Helmut whelk	<i>Neptunea magna</i>

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		237	Lyre whelk	<i>Neptunea lyrata</i>
		238	Pribilof whelk	<i>Neptunea pribiloffensis</i>
		239	Fat whelk	<i>Neptunea ventricosa</i>
		240	Northern neptune	<i>Neptunea heros</i>
		241	Little neptune	<i>Neptunea communis</i>
		242	Warped whelk	<i>Volutopsius deformis</i>
		243	Left-handed whelk	<i>Volutopsius harpa</i>
		244	Large melon whelk	<i>Volutopsius melonis</i>
		245	Fragile whelk	<i>Volutopsius fragilis</i>
		246	Tulip whelk	<i>Volutopsius middendorffii</i>
		247	Shouldered whelk	<i>Volutopsius stefanssoni</i>
		248	Volute whelk	<i>Volutopsius castaneus</i>
		249	Threaded whelk	<i>Volutopsius filusus</i>
		250	Kennicott's beringius	<i>Beringius kennicottii</i>
		251	Northern beringius	<i>Beringius beringii</i>
		252	Stimpson's beringius	<i>Beringius stimpsoni</i>
		253	Friele's beringius	<i>Beringius frielei</i>
		254	Kroyer's plicifis	<i>Plicifusus kroyeri</i>
		255	Thick-ribbed whelk	<i>Colus spitzbergensis</i>
		256	Thin-ribbed whelk	<i>Colus herendeenii</i>
		302	Bridges' coast range shoulderband	<i>Helminthoglypta nickliniana</i> <i>bridgesi</i>
		311	West Indian topsnail (whelk)	<i>Cittarium pica</i>
		317	Florida tree snail	<i>Liguus fasciatus</i>
		341		<i>Strombus galeatus</i>
		342		<i>Strombus glacilior</i>
		343		<i>Strombus peruvianus</i>
		349		<i>Melongena patula</i>
		366	Woodland pondsnail	<i>Stagnicola catascopium</i>
		368	Virginia river snail	<i>Elimia virginica</i>
		369	Turret snail	<i>Valvata tricarinata</i>
		393	Hihiwai (snail)	<i>Neritina granosa</i>
		394	Newcomb's snail	<i>Errina newcombi</i>
		402	Hapawai (snail)	<i>Neritina vespertina</i>
		404	Pipiwai (snail)	<i>Theodoxus cariosus</i>
		406	Ancylid	<i>Ferrissia sharpi</i>
		407	Red-rim melania	<i>Melanoides tuberculatus</i>
		423	Anchialine pool snail	<i>Neritilia hawaiiensis</i>
		424	Anchialine pool snail	<i>Neritilia sp 1</i>
		425	Anchialine pool snail	<i>Neritilia sp B</i>
		1029	Limpets	
		1031	Lymnaied snails	
		1033	Neretid snails	
		1034	Purse shells	
		1036	Sea slugs	

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		1037	Sea snails	
		1041	Gastropods	
INVERT	insect	115	Scrub tiger beetle	<i>Cicindela scabrosa</i>
		285	Northeastern beach tiger beetle	<i>Cicindela dorsalis dorsalis</i>
		291	Bumblebee scarab beetle	<i>Lichnanthe ursina</i>
		292	Antioch efferian robberfly	<i>Efferia antiochi</i>
		293	Antioch andrenid bee	<i>Perdita scituta antiochensis</i>
		294	San Bruno elfin butterfly	<i>Incisalia mossii bayensis</i>
		295	Mission blue butterfly	<i>Icaricia icariodes missionensis</i>
		296	Lange's metalmark butterfly	<i>Apodemia mormo langei</i>
		297	Callippe silverspot butterfly	<i>Speyeria callippe callippe</i>
		298	Bay checkerspot butterfly	<i>Euphydryas editha bayensis</i>
		299	Middlekauf's shieldback katydid	<i>Idiostatus middlekaufi</i>
		300	Tiburon micro-blind harvestman	<i>Microcina tiburona</i>
		301	Edgewood blind harvestman	<i>Calicina minor</i>
		316	Water boatman	<i>Trichorixa reticulata</i>
		370	Maritime sunflower borer	<i>Papaipema maritima</i>
		371	Mottled duskywing	<i>Erynnis martialis</i>
		372	Goldenrod stem borer	<i>Papaipema duovata</i>
		373	Claybanks tiger beetle	<i>Cicindela limbalis</i>
		374	Saltmarsh tiger beetle	<i>Cicindela marginata</i>
		375	Puritan tiger beetle	<i>Cicindela puritana</i>
		376	Tiger beetle	<i>Cicindela tranquebarica</i>
		378	Rare insect	
INVERT	invert	405	Blackburn's sphinx moth	<i>Manduca blackburni</i>
		93	Crustaceans	
		158	Tomales isopod	<i>Caecidotea tomalensis</i>
		400	Feather duster worm	<i>Sabellastarte sanctijosephi</i>
		431	Vagabond boring sponge	<i>Spirastrella vagabunda</i>
		1003	Molluscs	
		1004	Cnidarians	
		1005	Ctenophores	
		1006	Amphipods	
		1007	Polychaetes	
		1008	Bryozoans	
		1026	Endangered invertebrate	
		1027	Sponges	
		1028	Tidepool invertebrates	
		1039	Intertidal invertebrates	
		1040	Blue sponge	
		1042	Unique invertebrate assemblage	
		1043	Invertebrates	
		1046	Zoanthids	
		1047	Rare sponges	
INVERT	lobster	45	American lobster	<i>Homarus americanus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		54	California spiny lobster	<i>Panulirus interruptus</i>
		72	Caribbean spiny lobster	<i>Panulirus argus</i>
		166	Spiny lobster	<i>Panulirus gracilis</i>
		323	Blue spiny lobster	<i>Panulirus inflatus</i>
		344		<i>Panulirus spp.</i>
		356	Squat lobster	<i>Munida sp.</i>
		365	Squat lobster	<i>Munidopsis sp.</i>
		395	Banded spiny lobster	<i>Panulirus marginatus</i>
		403	Tufted spiny lobster	<i>Panulirus penicillatus</i>
		414	Ridgeback slipper lobster	<i>Scyllarides haanii</i>
		415	Scaly slipper lobster	<i>Scyllarides squamosus</i>
		1045	Slipper lobsters	
INVERT	shellfish	1002	Shellfish	
INVERT	shrimp	2	Vernal pool tadpole shrimp	<i>Lepidurus packardi</i>
		3	California bay shrimp	<i>Crangon franciscorum</i>
		4	Pink shrimp	<i>Penaeus duorarum</i>
		5	Ocean pink shrimp	<i>Pandalus jordani</i>
		6	Northern shrimp	<i>Pandalus borealis</i>
		7	Sidestripe shrimp	<i>Pandalopsis dispar</i>
		8	Spot shrimp	<i>Pandalus platyceros</i>
		9	Blacktail bay shrimp	<i>Crangon nigricauda</i>
		10	Humpy shrimp	<i>Pandalus goniurus</i>
		11	Dock shrimp	<i>Pandalus danae</i>
		12	Broken-back shrimp	<i>Heptacarpus spp.</i>
		50	White shrimp	<i>Penaeus setiferus</i>
		51	Brown shrimp	<i>Penaeus aztecus</i>
		69	Bay ghost shrimp	<i>Callinassa californiensis</i>
		71	Rock shrimp	<i>Sicyonia brevirostris</i>
		92	Penaeid shrimp	<i>Penaeus spp.</i>
		97	Grass shrimp	<i>Palaemonetes spp.</i>
		122	Mantis shrimp	<i>Squilla empusa</i>
		133	Blue shrimp	<i>Penaeus stylirostris</i>
		138	Vernal pool fairy shrimp	<i>Branchinecta lynchi</i>
		167		<i>Atya crassa</i>
		168		<i>Macrobrachium tenellum</i>
		169	White shrimp	<i>Penaeus vannamei</i>
		261	Coonstriped shrimp	<i>Pandalus hypsinotus</i>
		262	Yellowleg pandalid	<i>Pandalus tridens</i>
		263	Shortscale eualid	<i>Eualus suckleyi</i>
		264	Arctic eualid	<i>Eualus fabricii</i>
		265	Greenland shrimp	<i>Eualus macilentus</i>
		266	Circumpolar eualid	<i>Eualus gaimardii</i>
		267	Barbed eualid	<i>Eualus barbatus</i>
		268	Stiletto coastal shrimp	<i>Heptacarpus stylus</i>
		269	Stout coastal shrimp	<i>Heptacarpus brevirostris</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFIC NAME
		270	Spiny lebbeid	<i>Lebbeus groenlandicus</i>
		271	Polar lebbeid	<i>Lebbeus polaris</i>
		272	Arctic argid	<i>Argis dentata</i>
		273	Kuro shrimp	<i>Argis lar</i>
		274	Twospine crangon	<i>Crangon communis</i>
		275	Ridged crangon	<i>Crangon dalli</i>
		276	Sevenspine bay shrimp	<i>Crangon septemspinosa</i>
		277	Sculptured shrimp	<i>Sclerocrangon boreas</i>
		279		<i>Xiphopenaeus riveti</i>
		280	Roughback shrimp	<i>Trachypenaeus similis pacificus</i>
		288	Florida stone crab	<i>Menippe mercenaria</i>
		289	Daggerblade grass shrimp	<i>Palaemonetes pugio</i>
		290	California freshwater shrimp	<i>Syncaris pacifica</i>
		306	Ghost shrimp	<i>Callianassa spp.</i>
		310	Mona Island shrimp	<i>Typhlatya monensis</i>
		315	Southern pink shrimp	<i>Penaeus notialis</i>
		318	Kuruma prawn	<i>Penaeus japonicus</i>
		319	Penaeus monoceros	<i>Penaeus monoceros</i>
		321	Caramote prawn	<i>Penaeus kerathurus</i>
		325	Pink shrimp	<i>Penaeus brevivirostris</i>
		326	Yellowleg shrimp	<i>Penaeus californiensis</i>
		327	Western white shrimp	<i>Penaeus occidentalis</i>
		328	Carabali shrimp	<i>Trachypenaeus byrdi</i>
		329	Indio shrimp	<i>Trachypenaeus faoe</i>
		330	Pinto shrimp	<i>Trachypenaeus fuscina</i>
		331	Chilean knife shrimp	<i>Haliporoides diomedea</i>
		351	Cauque river prawn	<i>Macrobrachium americanum</i>
		396	'O'pae kala'ole (shrimp)	<i>Atyoida bisulcata</i>
		397	Mantis shrimp	<i>Gonodactylus falcatus</i>
		398	'O'pae 'oeha'a (prawn)	<i>Macrobrachium grandimanus</i>
		399	Tahitian prawn	<i>Macrobrachium lar</i>
		408	River shrimp	<i>Macrobrachium sp.</i>
		409	Banded coral shrimp	<i>Stenopus hispidus</i>
		416	Anchialine pool shrimp	<i>Antecaridina lauensis</i>
		417	Anchialine pool shrimp	<i>Halocaridina palahemo</i>
		418	Anchialine pool shrimp	<i>Procaris hawaiana</i>
		419	Anchialine pool shrimp	<i>Vetericaris chaceorum</i>
		420	Anchialine pool shrimp	<i>Calliasmata pholidota</i>
		421	Anchialine pool shrimp	<i>Palaemonella burnsi</i>
		422	Anchialine pool shrimp	<i>Metabetaeus lohena</i>
		1011	Native stream shrimp	
		1035	Saltwater shrimp	
M_MAMMAL	dolphin	6	Harbor porpoise	<i>Phocoena phocoena</i>
		17	Bottlenose dolphin	<i>Tursiops truncatus</i>
		20	Northern right-whale dolphin	<i>Lissodelphis borealis</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		21	Atlantic spotted dolphin	<i>Stenella plagiodon</i>
		45	Pacific white-sided dolphin	<i>Lagenorhynchus obliquidens</i>
		46	Risso's dolphin	<i>Grampus griseus</i>
		47	Dall's porpoise	<i>Phocoenoides dalli dalli</i>
		49	Spotted dolphin	<i>Stenella attenuata</i>
		50	Spinner dolphin	<i>Stenella longirostris</i>
		60	Saddle-backed dolphin	<i>Delphinus delphis</i>
		61	Stenellid dolphin	<i>Stenella sp.</i>
		86	Atlantic white-sided dolphin	<i>Lagenorhynchus acutus</i>
		87	Rough-toothed dolphin	<i>Steno bredanensis</i>
		100	Striped dolphin	<i>Stenella coeruleoalba</i>
		101	Dolphin	
		1001	Dolphins	
M_MAMMAL	manatee	10	West Indian manatee	<i>Trichechus manatus</i>
M_MAMMAL	pinniped	1	Steller (Northern) sea lion	<i>Eumetopias jubatus</i>
		2	Harbor seal	<i>Phoca vitulina</i>
		3	Northern fur seal	<i>Callorhinus ursinus</i>
		14	Gray seal	<i>Halichoerus grypus</i>
		15	Bearded seal	<i>Erignathus barbatus</i>
		16	Walrus	<i>Odobenus rosmarus</i>
		22	California sea lion	<i>Zalophus californianus</i>
		23	Guadalupe fur seal	<i>Arctocephalus townsendi</i>
		24	Northern elephant seal	<i>Mirounga angustirostris</i>
		51	Hawaiian monk seal	<i>Monachus schauinslandi</i>
		84	Hooded seal	<i>Cystophora cristata</i>
		85	Harp seal	<i>Pagophilus groenlandicus</i>
		91	Spotted seal	<i>Phoca largha</i>
		92	Ringed seal	<i>Pusa hispida</i>
		93	Ribbon seal	<i>Histiophoca fasciata</i>
		94	Pacific walrus	<i>Odobenus rosmarus divergens</i>
		99	Pacific harbor seal	<i>Phoca vitulina richardsi</i>
		1002	Seals	
M_MAMMAL	polar bear	90	Polar bear	<i>Ursus maritimus</i>
M_MAMMAL	sea_otter	7	Sea otter	<i>Enhydra lutris</i>
M_MAMMAL	whale	4	Killer whale	<i>Orcinus orca</i>
		5	Melon-headed whale	<i>Peponocephala electra</i>
		9	Beluga whale	<i>Delphinapterus leucas</i>
		11	Fin whale	<i>Balaenoptera physalus</i>
		12	Minke whale	<i>Balaenoptera acutorostrata</i>
		13	Humpback whale	<i>Megaptera novaeangliae</i>
		18	Pygmy sperm whale	<i>Kogia breviceps</i>
		19	Shortfin pilot whale	<i>Globicephala macrorhynchus</i>
		26	Gray whale	<i>Eschrichtius robustus</i>
		27	Sei whale	<i>Balaenoptera borealis</i>
		29	Blue whale	<i>Balaenoptera musculus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		48	Sperm whale	<i>Physeter macrocephalus</i>
		81	Northern right whale	<i>Eubalaena glacialis</i>
		82	Dwarf sperm whale	<i>Kogia simus</i>
		83	Long-finned pilot whale	<i>Globicephala melaena</i>
		88	Bryde's whale	<i>Balaenoptera edeni</i>
		89	Endangered whale	
		95	Bowhead whale	<i>Balaena mysticetus</i>
		96	Goose-beaked whale	<i>Ziphius cavirostris</i>
		97	Bering Sea beaked whale	<i>Mesoplodon stejnegeri</i>
		98	North Pacific Bottle-nosed whale	<i>Berardius bairdii</i>
		102	False killer whale	<i>Pseudorca crassidens</i>
		1000	Whales	
REPTILE	alligator	1	American crocodile	<i>Crocodylus acutus</i>
		3	American alligator	<i>Alligator mississippiensis</i>
		43	Spectacled caiman	<i>Caiman crocodilus</i>
REPTILE	amphibian	14	Crawfish frog	<i>Rana areolata</i>
		15	Pig frog	<i>Rana grylio</i>
		27	Mud salamander	<i>Pseudotriton montanus</i>
		28	Red salamander	<i>Pseudotriton ruber</i>
		29	Florida gopher frog	<i>Rana capito aesopus</i>
		33	Rare frog	
		36	Rare salamander	
		41	Black-spotted newt	<i>Notophthalmus meridionalis</i>
		42	Sheep frog	<i>Hypopachus variolosus</i>
		53	California tiger salamander	<i>Ambystoma californiense</i>
		54	California red-legged frog	<i>Rana aurora draytonii</i>
		55	California toad	<i>Bufo boreas halophilus</i>
		56	Pacific treefrog	<i>Hyla regilla</i>
		61	Foothill yellow-legged frog	<i>Rana boylei</i>
		70	Guajon	<i>Eleutherodactylus cooki</i>
		71	Mottled coqui	<i>Eleutherodactylus eneidae</i>
		72	Golden coqui	<i>Eleutherodactylus jasperii</i>
		73	Web-footed coqui	<i>Eleutherodactylus karlschmidti</i>
		77	Puerto Rican crested toad	<i>Peltophryne lemur</i>
		80	Mona coqui	<i>Eleutherodactylus monensis</i>
		82	Burrow coqui	<i>Eleutherodactylus unicolor</i>
		83	Warty coqui	<i>Eleutherodactylus locustus</i>
		84	Ground coqui	<i>Eleutherodactylus richmondi</i>
		90	Highland frog	<i>Rana maculata</i>
		97	Tungara frog	<i>Physalaemus pustulosus</i>
		100	Giant toad	<i>Bufo marinus</i>
		108	Rare reptile/amphibian	
		109	Endangered reptile/amphibian	
		112	Rare amphibian	
REPTILE	lizard	31	Florida scrub lizard	<i>Sceloporus woodi</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		34	Rare lizard	
		44	Black iguana	<i>Ctenosaura similis</i>
		45	Common iguana	<i>Iguana iguana</i>
		52	Lizard	
		67	Cook's anole	<i>Anolis cooki</i>
		68	Culebra Island giant anole	<i>Anolis roosevelti</i>
		69	Mona ground iguana	<i>Cyclura stejnegeri</i>
		76	Mabuya	<i>Mabouya sloanii</i>
		78	Monito gecko	<i>Sphaerodactylus micropithecus</i>
		81	Pygmy anole	<i>Anolis occultus</i>
		85	St. Croix ground lizard	<i>Ameiva polops</i>
		86	Anegada ground iguana	<i>Cyclura pinguis</i>
		89	Mourning gecko	<i>Lepidodactylus lugubres</i>
		91	Anoles	<i>Norops sp.</i>
		96	Barred whiptail	<i>Ameiva undulata</i>
		99	Striped basilisk	<i>Basiliscus vittatus</i>
		103	Deppe's whiptail	<i>Cnemidophorus deppii</i>
		104		<i>Ameiva festiva</i>
		105		<i>Cnemidophorus lemniscatus</i>
		106		<i>Sceloporus variabilis</i>
REPTILE	snake	11	Atlantic salt marsh snake	<i>Nerodia fasciata taeniata</i>
		12	Gulf salt marsh snake	<i>Nerodia clarkii clarkii</i>
		17	Texas garter snake	<i>Thamnophis sirtalis annectens</i>
		23	Black pine snake	<i>Pituophis melanoleucus lodingi</i>
		24	Eastern indigo snake	<i>Drymarchon corais couperi</i>
		25	Rainbow snake	<i>Farancia erytrogramma</i>
		26	Gulf crayfish snake	<i>Regina rigida sinicola</i>
		30	Florida pine snake	<i>Pituophis melanoleucuc mugitus</i>
		37	Rare snake	
		40	Texas scarlet snake	<i>Cemophora coccinea lineri</i>
		46	Sea snake	<i>Pelamis platurus</i>
		57	San Francisco garter snake	<i>Thamnophis sirtalis tetrataenia</i>
		59	Coast garter snake	<i>Thamnophis elegans terrestris</i>
		60	Central Coast garter snake	
		63	Alameda whipsnake	<i>Masticophis lateralis euryxanthus</i>
		64	Giant garter snake	<i>Thamnophis gigas</i>
		65	Blakc-striped snake	<i>Coniophanes imperialis</i>
		66	Speckled racer	<i>Drymobius margaritiferus</i>
		74	Puerto Rican boa	<i>Epicrates inornatus</i>
		75	Mona boa	<i>Epicrates monensis monensis</i>
		79	Virgin Islands tree boa	<i>Epicrates monensis granti</i>
		92		<i>Loxocemus bicolor</i>
		93	Roadguard	<i>Conophis lineatus</i>
		94	Brown vine snake	<i>Oxybelis aeneus</i>
		95		<i>Micrurus nigrocinctus</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		98	Indigo snake	<i>Drymarchon corais</i>
		101		<i>Enulis flavitorques</i>
		102	Yucatan Cantil	<i>Agkistrodon bilineatus</i>
		107	Boa constrictor	<i>Boa constrictor</i>
		110	Aruba island rattlesnake	<i>Crotalus durissus</i>
REPTILE	turtle	2	Green sea turtle	<i>Chelonia mydas</i>
		4	Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>
		5	Leatherback sea turtle	<i>Dermodochelys coriacea</i>
		6	Loggerhead sea turtle	<i>Caretta caretta</i>
		7	Diamondback terrapin	<i>Malaclemys terrapin</i>
		8	Pacific green sea turtle	<i>Chelonia mydas agassizi</i>
		9	Hawksbill sea turtle	<i>Eretmochelys imbricata</i>
		10	Pacific hawksbill sea turtle	<i>Eretmochelys imbricata bissa</i>
		13	Turtles	
		16	Texas diamondback terrapin	<i>Malaclemys terrapin littoralis</i>
		18	Mississippi diamondback terrapin	<i>Malaclemys terrapin pileata</i>
		19	Alabama red-bellied turtle	<i>Pseudemys alabamensis</i>
		20	Mangrove terrapin	<i>Malaclemys terrapin rhizophorarum</i>
		21	Gopher tortoise	<i>Gopherus polyphemus</i>
		22	Yellow-blotched map turtle	<i>Graptemys flavimaculata</i>
		32	Spotted turtle	<i>Clemmys guttata</i>
		35	Threatened turtle	
		38	Endangered sea turtle	
		39	Threatened sea turtle	
		47	Olive ridley sea turtle	<i>Lepidochelys olivacea</i>
		48	Scorpion mud turtle	<i>Kinosternon scorpioides</i>
		49	Painted wood turtle	<i>Rhinoclemmys pulcherrima</i>
		50	Slider	<i>Trachemys scripta</i>
		51	Pacific Coast giant musk turtle	<i>Staurotypus salvinni</i>
		58	Western pond turtle	<i>Clemmys marmorata</i>
		62	Northwestern pond turtle	<i>Clemmys marmorata marmorata</i>
		87	Sea turtle spp.	<i>Cheloniidae spp.</i>
		88	Jicotea	<i>Trachemys stejnegeri</i>
		111	Rare turtle	
T_MAMMAL	bat	5	Townsend's Western big-eared bat	<i>Plecotus townsendii townsendii</i>
		6	Pallid bat	<i>Antrozous pallidus</i>
		9	Red fruit bat	<i>Stenoderma rufum</i>
		10	Fisherman bat	<i>Noctilio leporinus</i>
		18	Lesser white-lined bat	<i>Saccopteryx leptura</i>
		19		<i>Balantiopteryx plicata</i>
		23	Common vampire bat	<i>Desmodus rotundus</i>
		131	Lesser bulldog bat	<i>Noctilio albiventris</i>
		135	Cave bat	<i>Brachyphylla cavernarum</i>
		137	Tent-making bat	<i>Uroderma bilobatum</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		138	Jamaican fruit-eating bat	<i>Artibeus jamaicensis</i>
		139	Rare bat	
		142	Hawaiian hoary bat	<i>Lasiurus cinereus semotus</i>
		1001	Bats	
T_MAMMAL	bear	55	Brown bear	<i>Ursus arctos horribilis</i>
		56	Black bear	<i>Ursus americanus</i>
		70	Florida panther	<i>Felis concolor coryi</i>
		102	Louisiana black bear	<i>Ursus americanus luteolus</i>
		103	Florida black bear	<i>Ursus americanus floridanus</i>
		141	Threatened bear	
T_MAMMAL	canine	54	Gray wolf	<i>Canis lupus</i>
		57	Red fox	<i>Vulpes vulpes</i>
		63	Coyote	<i>Canis latrans</i>
		64	Common gray fox	<i>Urocyon cinereoargenteus</i>
		67	Red wolf	<i>Canis rufus</i>
		123	Arctic fox	<i>Alopex lagopus</i>
T_MAMMAL	feline	62	Bobcat	<i>Lynx rufus</i>
		65	Mountain lion	<i>Puma concolor</i>
		66	Ocelot	<i>Leopardus pardalis</i>
		108	Jaguarundi	<i>Herpailurus yaguarondi</i>
		109	Margay	<i>Felis wiedii</i>
		124	Lynx	<i>Lynx lynx</i>
T_MAMMAL	sm_mammal	1	California vole	<i>Microtus californicus</i>
		2	Saltmarsh wandering shrew	<i>Sorex vagrans halicoetes</i>
		3	Suisun ornate shrew	<i>Sorex ornatus sinuosus</i>
		4	Ornate shrew	<i>Sorex ornatus</i>
		7	San Pablo vole	<i>Microtus californicus sanpabloensis</i>
		8	Northern river otter	<i>Lutra canadensis</i>
		12	Sanibel Island rice rat	<i>Oryzomys palustris sanibeli</i>
		13	Jaguar	<i>Panthera onca</i>
		15	Opossum	<i>Didelphis marsupialis</i>
		16	Cottontail rabbit	<i>Sylvilagus floridanus</i>
		17	Hooded skunk	<i>Mephitis macroura</i>
		20	Variiegated squirrel	<i>Sciurus variegatoides</i>
		21	Deppe's squirrel	<i>Sciurus deppei</i>
		22	Three-toed sloth	<i>Bradypus variegatus</i>
		24	Opossum	<i>Didelphis virginiana</i>
		36	Beaver	<i>Castor canadensis</i>
		37	Muskrat	<i>Ondatra zibethicus</i>
		38	Mink	<i>Mustela vison</i>
		39	Shorttail weasel	<i>Mustela erminea</i>
		40	Long-tailed weasel	<i>Mustela frenata</i>
		41	Salt-marsh harvest mouse	<i>Reithrodontomys raviventris</i>
		42	Santa Cruz harvest mouse	<i>Reithrodontomys megalotis santacruzae</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		43	Nutria	<i>Myocastor coypus</i>
		44	Common raccoon	<i>Procyon lotor</i>
		52	Striped skunk	<i>Mephitis mephitis</i>
		58	Meadow vole	<i>Microtus pennsylvanicus</i>
		59	Morro Bay kangaroo rat	<i>Dipodomys heermanni morroensis</i>
		68	Anastasia Island beach mouse	<i>Peromyscus polionotus phasma</i>
		69	Choctawhatchee beach mouse	<i>Peromyscus polionotus allophrys</i> <i>Peromyscus gossypinus</i>
		71	Key Largo cotton mouse	<i>allapaticola</i>
		72	Key Largo woodrat	<i>Neotoma floridana smalli</i>
		73	Lower Keys marsh rabbit	<i>Sylvilagus palustris hefneri</i>
		74	Big Cypress fox squirrel	<i>Sciurus niger avicennia</i>
		75	Perdido Key beach mouse	<i>Peromyscus polionotus</i> <i>trissyllepsis</i>
		76	Florida saltmarsh vole	<i>Microtus pennsylvanicus</i> <i>dukecampbelli</i>
		77	Silver rice rat	<i>Oryzomys argentatus</i>
		78	Southeastern beach mouse	<i>Peromyscus polionotus</i> <i>niveiventris</i>
		79	Everglades mink	<i>Mustela vison evergladensis</i>
		80	St. Andrews beach mouse	<i>Peromyscus polionotus</i> <i>peninsularis</i>
		89	Alabama beach mouse	<i>Peromyscus polionotus</i> <i>ammobates</i>
		101	Dismal swamp southeastern shrew	<i>Sorex longirostris fisheri</i>
		104	Florida long-tailed weasel	<i>Mustela frenata peninsularis</i>
		105	Round-tailed muskrat	<i>Neofiber alleni</i>
		106	Rare rodent	
		107	Threatened rodent	
		110	Spider monkey	<i>Ateles geoffroyi</i>
		111	Nine-banded armadillo	<i>Dasypus novemcinctus</i>
		112	White-nosed coati	<i>Nasua narica</i>
		113	Tamandua	<i>Tamandua mexicana</i>
		114	Agouti	<i>Agouti paca</i>
		115	Mexican hairy porcupine	<i>Sphiggurus mexicanus</i>
		116	Agouti	<i>Dasyprocta punctata</i>
		126	American marten	<i>Martes americana</i>
		127	Wolverine	<i>Gulo gulo</i>
		128	Lemming	<i>Dicrostonyx sp.</i>
		129	Ground squirrel	<i>Spermophilus sp.</i>
		130	Hare	<i>Lepus sp.</i>
		133	Pribilof Island shrew	<i>Sorex hydrodromus</i>
		134	Black-footed brown lemming	<i>Lemmus sibiricus</i>
		136	Endangered small mammal	
		140	Rare small mammal	
		1002	Small mammal	
T_MAMMAL	ungulate	14	Collared peccary	<i>Tayassu tajacu</i>
		25	Florida key deer	<i>Odocoileus virginianus clavium</i>

ELEMENT	SUB - ELEMENT	SPECIES ID	COMMON NAME	SCIENTIFC NAME
		30	Columbian white-tailed deer	<i>Odocoileus virginianus leucurus</i>
		31	White-tailed deer	<i>Odocoileus virginianus</i>
		32	Mule deer	<i>Odocoileus hemionus</i>
		33	Black-tailed deer	<i>Odocoileus hemionus columbianus</i>
		34	Elk	<i>Cervus canadensis</i>
		35	Roosevelt elk	<i>Cervus canadensis roosevelti</i>
		100	Wild hog	<i>Sus scrofa</i>
		117	Moose	<i>Alces alces</i>
		118	Caribou	<i>Rangifer tarandus</i>
		119	American bison	<i>Bos bison</i>
		120	Mountain goat	<i>Oreamnos americanus</i>
		121	Muskox	<i>Ovibos moschatus</i>
		122	Dall's sheep	<i>Ovis dalli</i>
		125	Sitka black-tailed deer	<i>Odocoileus hemionus sitkensis</i>
		132	Reindeer	<i>Rangifer sp.</i>