



# Appendix E: Species List

## E.1 Plants

### Terrestrial - Vascular Plants

Nomenclature reference: Junak 2008.

Table E-1. Vascular plant species recorded on San Nicolas Island from 1993-2009 (TDI 2009) .

Species name	Common name	Native/ Exotic	Sensitive Status
<b>PTERIDOPHYTES (Ferns and Allies)</b>			
<b>Family Polypodiaceae</b>			
<i>Polypodium californicum</i>	California polypody	N	
<b>Family Pteridaceae</b>			
<i>Adiantum jordani</i>	California maidenhair	N	
<i>Pellaea andromedifolia</i>	coffee fern	N	
<i>Pentagramma triangularis</i> ssp. <i>triangularis</i>	goldback fern	N	
<b>Family Alliaceae</b>			
<i>Dichelostemma capitatum</i>	blue dicks	N	
<b>Family Cyperaceae</b>			
<i>Eleocharis macrostachya</i>	pale spikerush	N	
<i>Schoenoplectus americanus</i>	three-square	N	
<b>Family Juncaceae</b>			
<i>Juncus bufonius</i>	toad rush	N	
<b>Family Poaceae</b>			
<i>Achnatherum diegoense</i>	San Diego needlegrass	N	
<i>Ammophila arenaria</i>	European beachgrass	E	
<i>Arundo donax</i>	giant reed	E	
<i>Avena barbata</i>	slender wild oats	E	
<i>Avena fatua</i>	wild oats	E	
<i>Brachypodium distachyon</i>	purple false brome	E	
<i>Bromus arizonicus</i>	Arizona brome	N	
<i>Bromus carinatus</i> var. <i>carinatus</i>	California brome	N	
<i>Bromus catharticus</i> var. <i>catharticus</i>	rescue grass	E	
<i>Bromus diandrus</i>	ripgut brome	E	
<i>Bromus hordeaceus</i>	soft chess	E	
<i>Bromus madritensis</i>	Madrid brome	E	
<i>Bromus maritimus</i>	maritime brome	N	
<i>Bromus rubens</i>	red brome	E	
<i>Cortaderia selloana</i>	pampas grass	E	
<i>Cynodon dactylon</i>	Bermuda grass	E	
<i>Distichlis spicata</i>	saltgrass	N	
<i>Festuca arundinacea</i>	tall fescue	E	
<i>Hordeum brachyantherum</i> ssp. <i>californicum</i>	California barley	N	
<i>Hordeum intercedens</i>	vernal barley, little barley	N	
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i>	Mediterranean barley	N	
<i>Hordeum murinum</i>	farmer's foxtail	E	
<i>Hordeum murinum</i> ssp. <i>glaucum</i>	farmer's foxtail	E	
<i>Hordeum murinum</i> ssp. <i>leporinum</i>	barley	E	
<i>Hordeum vulgare</i> var. <i>vulgare</i>	cultivated barley	E	
<i>Lamarckia aurea</i>	goldentop	E	

Table E-1. Vascular plant species recorded on San Nicolas Island from 1993-2009 (TDI 2009) (Continued).

Species name	Common name	Native/ Exotic	Sensitive Status
<i>Lolium multiflorum</i>	annual ryegrass, Italian rye	E	
<i>Lolium perenne</i>	perennial ryegrass, english rye	E	
<i>Melica imperfecta</i>	coast range melic, small-flowered melic	N	
<i>Nassella cernua</i>	nodding needlegrass	N	
<i>Nassella lepida</i>	foothill needlegrass, small-flowered needlegrass	N	
<i>Nassella pulchra</i>	purple needlegrass	N	
<i>Parapholis incurva</i>	sickle grass	E	
<i>Pennisetum clandestinum</i>	Kikuyu grass	E	
<i>Phalaris aquatica</i>	harding grass	E	
<i>Phalaris caroliniana</i>	Carolina canary grass	E	
<i>Phalaris minor</i>	Mediterranean canary grass	E	
<i>Phalaris paradoxa</i>	hooded canary grass	E	
<i>Piptatherum miliaceum</i> ssp. <i>miliaceum</i>	rice grass, smilo grass	E	
<i>Poa annua</i>	annual bluegrass	E	
<i>Poa secunda</i> ssp. <i>secunda</i>	Pacific bluegrass	N	
<i>Polypogon monspeliensis</i>	rabbitsfoot grass	E	
<i>Schismus arabicus</i>	Arabian schismus	E	
<i>Stenotaphrum secundatum</i>	Saint Augustine grass	E	
<i>Triticum aestivum</i>	common wheat	E	
<i>Vulpia myuros</i>	foxtail fescue	E	
<i>Vulpia octoflora</i> var. <i>hirtella</i>	six-weeks fescue	N	
<b>Family Ruppiceae</b>			
<i>Ruppia maritima</i>	ditchgrass	N	
<b>Family Typhaceae</b>			
<i>Typha domingensis</i>	narrowleaf cattail	N	
<i>Typha latifolia</i>	broadleaf cattail	N	
<b>Family Zosteraceae</b>			
<i>Phyllospadix scouleri</i>	Scouler's surf grass	N	
<i>Phyllospadix torreyi</i>	Torrey's surf grass	N	
<i>Zostera pacifica</i>	eelgrass	N	
<b>DICOTS</b>			
<b>Family Aizoaceae</b>			
<i>Carpobrotus chilensis</i>	sea fig	E	
<i>Carpobrotus edulis</i>	hottentot fig	E	
<i>Delosperma litorale</i>	seaside delosperma	E	
<i>Malephora crocea</i>	coppery mesembryanthemum	E	
<i>Mesembryanthemum crystallinum</i>	crystalline iceplant	E	
<i>Mesembryanthemum nodiflorum</i>	small-flowered iceplant	E	
<i>Tetragonia tetragonioides</i>	New Zealand spinach	E	
<b>Family Anacardiaceae</b>			
<i>Schinus molle</i>	Peruvian pepper tree, California pepper tree	E	
<i>Toxicodendron diversilobum</i>	poison oak	N	
<b>Family Apiaceae</b>			
<i>Apiastrum angustifolium</i>	wild celery	N	
<i>Apium graveolens</i>	celery	E	
<i>Berula erecta</i>	cut-leaf water parsnip	N	
<i>Conium maculatum</i>	poison hemlock	E	
<i>Daucus carota</i>	wild carrot, Queen Anne's lace	E	
<i>Daucus pusillus</i>	rattlesnake weed	N	
<i>Foeniculum vulgare</i>	sweet fennel	E	
<i>Lomatium insulare</i>	San Nicolas Island lomatium	N	CBI-E, FC2, CNPS 1B
<i>Sanicula arguta</i>	sharp-toothed snakeroot	N	
<i>Torilis nodosa</i>	knotted hedge-parsley	E	
<b>Family Asteraceae</b>			
<i>Achillea millefolium</i>	yarrow, milfoil	N	
<i>Amblyopappus pusillus</i>	pineapple weed	N	
<i>Ambrosia chamissonis</i> var. <i>bipinnatisecta</i>	silver beach weed, beach bur	N	
<i>Ambrosia psilostachya</i>	western ragweed	N	
<i>Artemisia californica</i>	coastal sagebrush	N	
<i>Artemisia nesiotica</i>	island sagebrush	N	CI-E, CNPS 4
<i>Baccharis pilularis</i>	coyote brush	N	
<i>Baccharis salicifolia</i>	mule fat	N	
<i>Calendula officinalis</i>	garden marigold, pot marigold	E	
<i>Centaurea melitensis</i>	tocalote	E	
<i>Centaurea solstitialis</i>	yellow star thistle	E	

Table E-1. Vascular plant species recorded on San Nicolas Island from 1993-2009 (TDI 2009) (Continued).

Species name	Common name	Native/ Exotic	Sensitive Status
<i>Chrysanthemum coronarium</i>	crown daisy	E	
<i>Cirsium occidentale</i>	cobwebby thistle, western thistle	N	
<i>Conyza bonariensis</i>	flax-leaved fleabane	E	
<i>Conyza canadensis</i>	horseweed	E	
<i>Coreopsis gigantea</i>	giant coreopsis	N	
<i>Cotula coronopifolia</i>	brass buttons	E	
<i>Cynara cardunculus</i>	cardoon, artichoke thistle	E	
<i>Deinandra clementina</i>	Catalina tarplant	N	CI-E, CNPS 4
<i>Encelia californica</i>	bush sunflower	N <sup>1</sup>	
<i>Gnaphalium palustre</i>	lowland cudweed, western marsh cudweed	N	
<i>Helianthus annuus</i>	common sunflower	N	
<i>Heterotheca grandiflora</i>	telegraph weed	N	
<i>Hypochaeris radicata</i>	hairy cat's ear	E	
<i>Isocoma menziesii</i> var. <i>menziesii</i>	coastal goldenbush	N	
<i>Isocoma menziesii</i> var. <i>vernonioides</i>	coastal goldenbush	N	
<i>Lactuca serriola</i>	prickly lettuce	E	
<i>Lasthenia gracilis</i>	goldfields	N	
<i>Malacothrix foliosa</i> var. <i>polycephala</i>	San Nicolas Island malacothrix	N	CI-E, CNPS 4
<i>Malacothrix incana</i>	dune malacothrix, dunedelion	N	
<i>Malacothrix saxatilis</i> var. <i>implicata</i>	cliff malacothrix	N	
<i>Malacothrix saxatilis</i> var. <i>tenuifolia</i>	cliff aster	E	
<i>Microseris douglasii</i> ssp. <i>douglasii</i>	microseris	N	
<i>Microseris douglasii</i> ssp. <i>tenella</i>	microseris	N	
<i>Microseris elegans</i>	microseris	N	
<i>Picris echioides</i>	bristly ox tongue	E	
<i>Pseudognaphalium biolettii</i>	bicolored everlasting	N	
<i>Pseudognaphalium californicum</i>	green everlasting	N	
<i>Pseudognaphalium luteo-album</i>	weedy cudweed	E	
<i>Pseudognaphalium stramineum</i>	cotton batting	N	
<i>Senecio vulgaris</i>	common groundsel	E	
<i>Silybum marianum</i>	milk-thistle	E	
<i>Sonchus asper</i>	prickly sow thistle	E	
<i>Sonchus oleraceus</i>	common sow thistle	E	
<i>Sonchus tenerrimus</i>	slender sow thistle	E	
<i>Stebbinsoseris heterocarpa</i>	stebbinsoseris	N	
<i>Taraxacum officinale</i>	common dandelion	E	
<i>Tragopogon porrifolius</i>	salsify, oyster plant	E	
<i>Uropappus lindleyi</i>	silver puffs	N	
<i>Xanthium strumarium</i>	cocklebur	E	
<b>Family Boraginaceae</b>			
<i>Amsinckia menziesii</i> var. <i>intermedia</i>	common fiddleneck	N	
<i>Amsinckia spectabilis</i> var. <i>spectabilis</i>	seaside fiddleneck	N	
<i>Cryptantha maritima</i>	Guadalupe Island cryptantha	N	
<i>Cryptantha traskiae</i>	Trask's cryptantha	N	CI-E, FC2, CNPS 1B
<i>Heliotropium curassavicum</i>	heliotrope	N	
<i>Pectocarya linearis</i> ssp. <i>ferocula</i>	slender comb seed	N	
<b>Family Brassicaceae</b>			
<i>Brassica nigra</i>	black mustard	E	
<i>Brassica tournefortii</i>	Sahara mustard	E	
<i>Cakile edentula</i> ssp. <i>edentula</i>	sea rocket	E	
<i>Cakile maritima</i> ssp. <i>maritima</i>	sea rocket	E	
<i>Dithyrea maritima</i>	beach spectacle pod	N	CT, CNPS 1B
<i>Draba cuneifolia</i> var. <i>integrifolia</i>		N	
<i>Hirschfeldia incana</i>	short-podded mustard	E	
<i>Hornungia procumbens</i>	hornungia	N	
<i>Lepidium lasiocarpum</i> var. <i>lasiocarpum</i>	sand peppergrass	N	CNPS 1B
<i>Lepidium nitidum</i> var. <i>nitidum</i>	shining peppergrass	N	
<i>Lepidium oblongum</i> var. <i>insulare</i>	lentejilla	N	
<i>Lobularia maritima</i>	sweet alyssum	E	
<i>Nasturtium officinale</i>	water cress	E	
<i>Raphanus sativus</i>	wild radish	E	
<i>Sisymbrium irio</i>	London rocket	E	
<i>Sisymbrium orientale</i>	Indian hedge mustard	E	
<b>Family Cactaceae</b>			
<i>Opuntia ficus-indica</i>	mission cactus	E	

Table E-1. Vascular plant species recorded on San Nicolas Island from 1993-2009 (TDI 2009) (Continued).

Species name	Common name	Native/ Exotic	Sensitive Status
<i>Opuntia littoralis</i>	coastal prickley pear	N	
<i>Opuntia oricola</i>	tall prickley pear	N	
<i>Opuntia prolifera</i>	coastal cholla	N	
<b>Family Caryophyllaceae</b>			
<i>Herniaria hirsuta</i> ssp. <i>cinerea</i>	hairy rupturewort	E	
<i>Loeflingia squarrosa</i>	spreading pygmy leaf	N	
<i>Sagina apetala</i>	dwarf pearlwort	N	
<i>Silene gallica</i>	windmill pink	E	
<i>Spergularia bocconii</i>	sand spurry	E	
<i>Spergularia macrotheca</i> var. <i>macrotheca</i>	large-flowered sand spurry	N	
<i>Spergularia salina</i>	saltmarsh sand spurry	N	
<b>Family Chenopodiaceae</b>			
<i>Aphanisma blitoides</i>	aphanisma	N	CNPS 1B
<i>Atriplex argentea</i> ssp. <i>mohavensis</i>	silverscale	N	
<i>Atriplex californica</i>	California saltbush	N	
<i>Atriplex canescens</i> var. <i>canescens</i>	four-wing saltbush	N	
<i>Atriplex coulteri</i>	Coulter's saltscale	N	
<i>Atriplex lentiformis</i>	quail bush, Brewer's saltbush	N	
<i>Atriplex leucophylla</i>	sea scale	N	
<i>Atriplex pacifica</i>	South Coast saltscale	N	
<i>Atriplex prostrata</i>	spear-leaf saltbush	E	
<i>Atriplex semibaccata</i>	Australian saltbush	E	
<i>Atriplex watsonii</i>	matscale	N	
<i>Bassia hyssopifolia</i>	five-hook bassia	E	
<i>Chenopodium ambrosioides</i>	epazote, Mexican tea	E	
<i>Chenopodium berlandieri</i>	goosefoot	E	
<i>Chenopodium californicum</i>	soap plant	N	
<i>Chenopodium murale</i>	nettle-leaf goosefoot	E	
<i>Salicornia depressa</i>	pickleweed	N	
<i>Salsola kali</i> ssp. <i>pontica</i>	saltwort	E	
<i>Salsola tragus</i>	Russian thistle, tumbleweed	E	
<i>Suaeda taxifolia</i>	woolly seablite	N	
<b>Family Convolvulaceae</b>			
<i>Calystegia macrostegia</i> ssp. <i>amplissima</i>	Southern Island morning glory	N	CI-E, FC2, CNPS 4
<i>Calystegia malacophylla</i> ssp. <i>pedicellata</i>	morning glory	E	
<i>Calystegia soldanella</i>	beach morning glory	N	
<i>Convolvulus arvensis</i>	bindweed	E	
<i>Cressa truxillensis</i>	spreading alkali weed	N	
<b>Family Crassulaceae</b>			
<i>Crassula connata</i>	pygmy weed	E	
<i>Dudleya virens</i> var. <i>insularis</i>	Palos Verdes live forever	N	CNPS 1B.2
<b>Family Cucurbitaceae</b>			
<i>Marah macrocarpus</i> var. <i>major</i>	wild cucumber	N	
<b>Family Euphorbiaceae</b>			
<i>Ricinus communis</i>	castor bean	E	
<b>Family Fabaceae</b>			
<i>Astragalus didymocarpus</i> var. <i>didymocarpus</i>	common dwarf locoweed, two-seeded milkvetch	N	
<i>Astragalus traskiae</i>	Trask's locoweed	N	CNPS 1B.2 State S2.2
<i>Lotus argophyllus</i> var. <i>argenteus</i>	Southern Island silver lotus	N	
<i>Lotus salsuginosus</i> var. <i>salsuginosus</i>	coastal lotus	N	
<i>Lupinus albifrons</i> var. <i>douglasii</i>	silver lupine	N	
<i>Lupinus bicolor</i>	dove lupine	N	
<i>Lupinus succulentus</i>	succulent lupine	E	
<i>Medicago polymorpha</i>	bur clover	E	
<i>Medicago sativa</i>	alfalfa	E	
<i>Melilotus albus</i>	white sweet clover	E	
<i>Melilotus indicus</i>	yellow sweet clover	E	
<i>Robinia pseudoacacia</i>	black locust	E	
<i>Spartium junceum</i>	Spanish broom	E	
<i>Trifolium alboburpureum</i>	rancheria clover	N	
<i>Trifolium depauperatum</i> var. <i>truncatum</i>	dwarf bladder clover	N	
<i>Trifolium gracilentum</i>	pinpoint clover	N	
<i>Trifolium microcephalum</i>	small-headed clover	N	
<i>Trifolium microdon</i>	Valparaiso clover	N	

Table E-1. Vascular plant species recorded on San Nicolas Island from 1993-2009 (TDI 2009) (Continued).

Species name	Common name	Native/ Exotic	Sensitive Status
<i>Trifolium palmeri</i>	southern island clover	N	CBI-E, CNPS 4
<i>Trifolium willdenovii</i>	tomcat clover	N	
<i>Vicia hassei</i>	slender vetch	N	
<i>Vicia sativa</i> ssp. <i>sativa</i>	common vetch, spring vetch	E	
<i>Vicia villosa</i> ssp. <i>varia</i>	winter vetch	E	
<b>Family Frankeniaceae</b>			
<i>Frankenia salina</i>	alkali heath, yerba reuma	N	
<b>Family Gentianaceae</b>			
<i>Zeltnera venusta</i>	canchalagua	N	
<b>Family Geraniaceae</b>			
<i>Erodium botrys</i>	broad-leaf filaree	E	
<i>Erodium cicutarium</i>	redstem filaree	E	
<i>Erodium moschatum</i>	whitestem filaree	E	
<i>Pelargonium peltatum</i>	ivy-leaved geranium	E	
<i>Pelargonium x hortorum</i>	garden geranium	E	
<b>Family Hydrophyllaceae</b>			
<i>Nemophila pedunculata</i>	nemophila	N	
<i>Phacelia distans</i>	phacelia	N	
<b>Family Lamiaceae</b>			
<i>Marrubium vulgare</i>	horehound	E	
<b>Family Loasaceae</b>			
<i>Mentzelia affinis</i>	hydra stick-leaf	E	
<b>Family Lythraceae</b>			
<i>Lythrum hyssopifolia</i>	common loosestrife	E	
<b>Family Malvaceae</b>			
<i>Lavatera assurgentiflora</i> ssp. <i>assurgentiflora</i>	malva rosa, northern island tree mallow	N	CNPS 1B
<i>Malva parviflora</i>	cheeseweed	E	
<b>Family Myoporaceae</b>			
<i>Myoporum laetum</i>	myoporum	E	
<b>Family Nyctaginaceae</b>			
<i>Abronia maritima</i>	sticky sand verbena	N	
<i>Abronia umbellata</i> var. <i>umbellata</i>	beach sand verbena	N	
<b>Family Onagraceae</b>			
<i>Camissonia cheiranthifolia</i> ssp. <i>cheiranthifolia</i>	beach primrose	N	
<i>Camissonia cheiranthifolia</i> ssp. <i>suffruticosa</i>	beach primrose	N	
<b>Family Orobanchaceae</b>			
<i>Orobanche fasciculata</i>	clustered broom rape	N	
<i>Orobanche parishii</i> ssp. <i>brachyloba</i>	short-lobed broom rape	N	
<b>Family Oxalidaceae</b>			
<i>Oxalis corniculata</i>	creeping wood sorrel	E	
<i>Oxalis pes-caprae</i>	Bermuda buttercup	E	
<b>Family Papaveraceae</b>			
<i>Eschscholzia californica</i> ssp. <i>californica</i>	California poppy	E	
<i>Eschscholzia ramosa</i>	island poppy	N	CBI-E, CNPS 4
<i>Platystemon californicus</i>	cream cups	N	
<b>Family Plantaginaceae</b>			
<i>Plantago coronopus</i>	cut-leaved plantain	E	
<i>Plantago major</i>	common plantain	E	
<i>Plantago ovata</i> ( <i>insularis</i> )	plantain	N	
<b>Family Polemoniaceae</b>			
<i>Gilia nevinii</i>	island gilia	N	CBI-E, CNPS 4
<b>Family Polygonaceae</b>			
<i>Eriogonum cinereum</i>	ashy-leaf buckwheat	E	
<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	eastern Mojave buckwheat	E	
<i>Eriogonum grande</i> var. <i>timorum</i>	San Nicolas Island buckwheat	N	CE, CNPS 1B
<i>Polygonum arenastrum</i>	common knotweed	E	
<i>Polygonum argyrocoleon</i>	Persian knotweed	E	
<i>Pterostegia drymarioides</i>	fairy mist	N	
<i>Rumex crispus</i>	curly dock	E	
<i>Rumex obtusifolius</i>	bitter dock	E	
<i>Rumex salicifolius</i>	willow dock	N	

Table E-1. Vascular plant species recorded on San Nicolas Island from 1993-2009 (TDI 2009) (Continued).

Species name	Common name	Native/ Exotic	Sensitive Status
<b>Family Portulacaceae</b>			
<i>Calandrinia ciliata</i>	red maids	N	
<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	miner's lettuce	N	
<i>Claytonia perfoliata</i> ssp. <i>mexicana</i>	miner's lettuce	N	
<b>Family Primulaceae</b>			
<i>Anagallis arvensis</i>	scarlet pimpernel	E	
<i>Primula clevelandii</i> ssp. <i>insulare</i>	shooting star	N	
<b>Family Resedaceae</b>			
<i>Oligomeris linifolia</i>	oligomeris	N	
<b>Family Rubiaceae</b>			
<i>Galium aparine</i>	cleavers grass, goose grass	E	
<b>Family Salicaceae</b>			
<i>Salix exigua</i>	sand bar willow	N	
<i>Salix lasiolepis</i>	arroyo willow	N	
<b>Family Saururaceae</b>			
<i>Anemopsis californica</i>	yerba mansa	N	
<b>Family Saxifragaceae</b>			
<i>Jepsonia malvifolia</i>	island jepsonia	N	CBI-E, FC2, CNPS 4
<b>Family Scrophulariaceae</b>			
<i>Castilleja densiflora</i>	owl's clover	N	
<b>Family Solanaceae</b>			
<i>Lycium brevipes</i>	desert boxthorn	N	
<i>Lycium californicum</i>	California boxthorn	N	
<i>Lycium verrucosum</i>	San Nicolas Island boxthorn	N	Extirpated, CNPS 1B
<i>Nicotiana glauca</i>	tree tobacco	E	
<i>Solanum americanum</i>	white nightshade	E	
<i>Solanum douglasii</i>	Douglas' nightshade	N	
<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	tomato	E	
<b>Family Tamaricaceae</b>			
<i>Tamarix ramosissima</i>	saltcedar	E	
<b>Family Urticaceae</b>			
<i>Parietaria hespera</i> var. <i>californica</i>	western pellitory	N	
<i>Soleirolia soleirolii</i>	mother-of-thousands	E	
<b>Family Verbenaceae</b>			
<i>Verbena lasiostachys</i> var. <i>lasiostachys</i>	western verbena	E	

1. Bush sunflower (*Encelia californica*) is native to California, but is introduced to San Nicolas Island.

## Terrestrial - Moss and Lichens

Table E-2. Mosses and lichens on San Nicolas Island (Smith 1993) .

MOSSES (Class Musci) <sup>a</sup>	
<i>Barbula brachyphylla</i>	<i>Didymodon tophaceus</i>
<i>Barbula vinealis</i>	<i>Entosthodon bolanderi</i> Borlander's entosthodon moss
<i>Ceratodon purpureus</i>	<i>Eucladium verticillatum</i>
<i>Crossidium desertorum</i> desert tassel-leaf moss	<i>Scleropodium californicum</i> California hard-stalk moss
LICHENS	
<i>Acarospora scheicheri</i>	<i>Collema critatum</i>
<i>Acarospora thelococcoides</i>	<i>Collema tenax</i>
<i>Acrocordia conoidea</i>	<i>Cresponea chloroconia</i>
<i>Amandinea punctata</i>	<i>Dendrographa leucophaea</i>
<i>Arthonia pruinata</i>	<i>Dimelaena radiata</i>
<i>Arthothelium orbilliferum</i>	<i>Diploicia canescens</i>
<i>Arthothelium sanguineum</i>	<i>Diploschistes actinostomus</i>

a. Sources:

Harthill, M.P., D.M. Long and B.D. Mishler. 1979. Preliminary list of Southern California Mosses. In *the Bryologist* 82 (2).  
Mishler, B.D. 1978. The Mosses of the Channel Islands, California. *Madroño* 21: 435-438.

Table E-2. Mosses and lichens on San Nicolas Island (Smith 1993) (Continued).

<i>Bacidia inularis</i>	<i>Diploschistes diacapsis</i>
<i>Bacidia jacobii</i>	<i>Diploschistes scruposus</i>
<i>Buellia alboatra</i>	<i>Diplotomma alboatrum</i>
<i>Buellia bolacina</i>	<i>Dirina catalinariae</i>
<i>Buellia fimbriata</i>	<i>Distopyrenis americana</i>
<i>Buellia halonia</i>	<i>Endocarpon lepidallum</i>
<i>Buellia oidalea</i>	<i>Endocarpon pusillum</i>
<i>Buellia saxicola</i>	<i>Endocarpon subnitescens</i>
<i>Buellia spuria</i>	<i>Evernia prunastri</i>
<i>Buellia turgescens</i>	<i>Flavopunctelia flaventior</i>
<i>Buellia venusta</i>	<i>Fulgensia bracteata</i>
<i>Caloplaca bolacina</i>	<i>Fulgensia desertorum</i>
<i>Caloplaca californica</i>	<i>Heterodermia comosa</i>
<i>Caloplaca cerina</i>	<i>Heterodermia erinacea</i>
<i>Caloplaca coralloides</i>	<i>Heterodermia leucomelos</i>
<i>Caloplaca decipiens</i>	<i>Heterodermia namaquana</i>
<i>Caloplaca holocarpa</i>	<i>Heteroplacidium acarosporoides</i>
<i>Caloplaca luteominia luteo</i>	<i>Lecanactis californica</i>
<i>Caloplaca rosei</i>	<i>Lecanactis dimelaenoides</i>
<i>Caloplaca stantonii</i>	<i>Lecanactis salicina</i>
<i>Caloplaca stipitata</i>	<i>Lecania californica</i>
<i>Candelariella aurella</i>	<i>Lecania cyrtella</i>
<i>Candelariella xanthostigma</i>	<i>Lecania dudleyi</i>
<i>Catapyrenium lachneum</i>	<i>Lecania fuscella</i>
<i>Catapyrenium lacinulatum</i>	<i>Lecania subdispersa</i>
<i>Catapyrenium pilosellum</i>	<i>Lecanographa lynceoides</i>
<i>Catapyrenium squamulosum</i>	<i>Lecanora caesiella</i>
<i>Catillaria franciscana</i>	<i>Lecanora caesiorubella ssp merrillii</i>
<i>Catillaria globulosa</i>	<i>Lecanora crenulata</i>
<i>Chrysothrix candelaris</i>	<i>Lecanora dispersa</i>
<i>Cliostomum griffithii</i>	<i>Lecanora gangaleoides</i>
<i>Collema bachmanianum</i>	<i>Lecanora horiza</i>
<i>Collema coccophorum</i>	<i>Lecanora pacifica</i>
<i>Lecanora subcarnea</i>	<i>Toninia aromatica</i>
<i>Lecanora symmicta</i>	<i>Toninia ruginosa pacific</i>
<i>Lecanora varia</i>	<i>Toninia ruginosa ruginos</i>
<i>Lecanora xylophila</i>	<i>Toninia sedifolia</i>
<i>Lecidella asema</i>	<i>Toninia submexicana</i>
<i>Leprocaulon microscopicum</i>	<i>Toninia talparum</i>
<i>Leproloma sp.</i>	<i>Vermilacinia cephalota</i>
<i>Niebla palmeri</i>	<i>Ramalina subleptocarpha</i>
<i>Niebla ramosissima</i>	<i>Rinodina exigua</i>
<i>Opegrapha atra</i>	<i>Rocella babingtonii</i>
<i>Opegrapha herbarum</i>	<i>Rocella fimbriata</i>
<i>Opegrapha varia</i>	<i>Sarcogyne regularis</i>
<i>Pertusaria amara</i>	<i>Sarcogyne similis</i>
<i>Pertusaria flavicunda</i>	<i>Schismatomma rediunta</i>
<i>Physcia tenella</i>	<i>Schizopelte californica</i>
<i>Physconia enteroxantha</i>	<i>Sigridia californica</i>
<i>Physconia isidiigera</i>	<i>Solenopsora caesia</i>
<i>Placidium californicum</i>	<i>Solenopsora crenata</i>
<i>Placidium pilosellum</i>	<i>Solenopsora venturae</i>
<i>Placidium squamuloum</i>	<i>Teloschistes californicus</i>
<i>Pleopsidium chlorophanum</i>	<i>Teloschistes exilis</i>
<i>Psora decipiens</i>	<i>Tephromela atra</i>
<i>Punctelia borneri</i>	<i>Tephromela nashii</i>
<i>Pyrrhospora quereana</i>	<i>Vermilacinia nylanderii</i>

## a. Sources:

Harthill, M.P., D.M. Long and B.D. Mishler. 1979. Preliminary list of Southern California Mosses. In *the Bryologist* 82 (2).  
 Mishler, B.D. 1978. The Mosses of the Channel Islands, California. *Madroño* 21: 435-438.

Table E-2. Mosses and lichens on San Nicolas Island (Smith 1993) (Continued).

<i>Ramalina canariensis</i>	<i>Vermilacinia procera</i>
<i>Ramalina farinacea</i>	<i>Verrucaria calciseda</i>
<i>Ramalina fastigata</i>	<i>Xanthoria candelaria</i>
<i>Ramalina lacera</i>	<i>Xanthoria polycarpa</i>
<i>Ramalina leptocarpha</i>	<i>Xanthoria ramulosa</i>
<i>Ramalina menziesii</i>	<i>Xanthoria tenax</i>
<i>Ramalina pollinaria</i>	

## a. Sources:

Harthill, M.P., D.M. Long and B.D. Mishler. 1979. Preliminary list of Southern California Mosses. In *the Bryologist* 82 (2).  
Mishler, B.D. 1978. The Mosses of the Channel Islands, California. *Madroño* 21: 435-438.

## E.2 Invertebrates

### Terrestrial - Snails

Table E-3. Snails of San Nicolas Island (Smith 1993) .

Scientific Name	Common Name
<i>Binneya notabilis</i>	Santa Barbara shelled slug
<i>Haplotrema durantii</i>	Durant's island snail
<i>Micrarionta feralis</i>	San Nicolas island snail
<i>Micrarionta gabbii</i>	San Clemente island snail
<i>Micrarionta opuntia</i>	pricklypear island snail
<i>Sterkia clementina</i>	San Clemente Island blunt-top snail
<i>Vertigo californica</i>	California vertigo snail
<i>Xerarionta tryoni</i>	Tryon's island snail
<i>Succinea</i> sp.	succine island snail
<i>Micrarionta micromphala</i>	
<i>Micrarionta sodalis</i>	
<i>Rumina decollata</i>	
<i>Helix aspersa</i>	common garden snail

### Terrestrial - Insects, Spiders and Related Animals<sup>1</sup>

Table E-4. Insects, Spiders and Related Animals .

<b>ARACHNIDA</b>	
Araneida	
<b>Agelenidae (funnel-web spiders)</b>	
<i>Rualena alleni</i>	Chamberlin & Ivie 1942 (probable SNI endemic)
<b>Araneidae (orb-weaver spiders)</b>	
<i>Metepeira gosoga</i>	Chamberlin & Ivie 1935
<b>Ghaphosidae</b>	
<i>Drassyllus insularis</i>	(Banks) 1900
<i>Gnaphosa maritima</i>	Platnick & Shadab 1975
<i>Haplodrassus signifer</i>	(Koch) Platnick 1984
<i>Sergiulus montanus</i>	(Emerton) 1890
<b>Lycosidae (wolf spiders)</b>	
<i>Pardosa sternalis</i>	(Thorell) 1877 (thin-legged wolf spider)
<b>Micryphantidae (dwarf spiders) (e.g. Erigonidae)</b>	
<i>Erigone</i> sp.	Cockerell 1940
<b>Salticidae (jumping spiders)</b>	
<i>Dendryphantas</i> sp.	Cockerell 1940
<b>Theridiidae (comb-footed spiders)</b>	
<i>Latrodectus hesperus</i>	Chamberlin & Ivie 1935 (western widow)
<i>Steatoda grossa</i>	(Koch) 1838

1. The species listed under Insects, Spiders, and Related Animals is from the 2006-2010 INRMP for San Nicolas Island (USDON 2005), Appendix 6, compiled by Grace Smith, Ecologist, Environmental Division, NAWS Point Mugu, CA in 1993 (Smith 1993).



Table E-4. Insects, Spiders and Related Animals (Continued).

<i>Steatoda medialis</i>	(Banks) 1898
<i>Steatoda washona</i>	Gertsch 1960
<b>Thomisidae (crab spiders)</b>	
<i>Ebo pepinensis</i>	Gertsch 1933
<i>Xysticus montanensis</i>	Keyserling 1887
<b>Zodariidae (zodariid spiders)</b>	
<i>Lutica nicolasia</i>	Gertsch 1961 (endemic SNI) (SNI lutica spider)
PSEUDOSCORPIONIDA	
Garypidae	
<i>Garypus californicus</i>	Banks 1909
CHILOPODA (CENTIPEDES)	
Geophilomorpha	
<b>Geophilidae (earth-loving centipedes)</b>	
<i>Geophilus nicolanus</i>	Chamberlin 1940 (probable SNI endemic)
INSECTA	
<i>Coleoptera (beetles)</i>	
<b>Bostrichidae (branch-boring beetles)</b>	
<i>Scobicia declivis</i>	(LeConte) 1857 (short-circuit beetle)
<b>Carabidae (ground beetles)</b>	
<i>Amara</i> sp.	( <i>A. insularis</i> Horn 1875, needs revision)
<i>Bembidion indistinctum</i>	Dejean
<i>Calosoma semilaeve</i>	LeConte 1851 (caterpillar-hunter)
<b>Cicindelidae (tiger beetles)</b>	
<i>Cicindela oregona</i>	LeConte
<i>Cicindela haemorrhagica</i>	LeConte
<b>Coccinellidae (ladybird beetles)</b>	
<i>Coccinella californica</i>	Mannerheim 1943
<i>Coccinella johnsoni</i>	Casey 1908
<i>Hippodamia quinquesignata</i>	Kirby
<i>Nephus guttulatus</i>	(LeConte)
<i>Nephus sordidus</i>	(Horn)
<i>Psyllobora vigintimaculata</i>	Say
<b>Curculionidae (snout beetles)</b>	
<i>Hypera brunneipennis</i>	(Boheman) (clover weevil)
<i>Listroderes costirostris obliquus</i>	(Klug) (probably)
<i>Paragoges maculatus</i>	LeConte
<i>Trigonoscuta nicolana</i>	Pierce 1975 (SNI dune weevil)
<b>Dermestidae (skin beetles)</b>	
<i>Dermestes caninus mannerheimerii</i>	LeConte 1854
<i>Dermestes marmoratus</i>	Say 1823
<b>Elateridae (click beetles)</b>	
<i>Anchastus cinereipennis</i>	(Eschscholtz) 1829 perhaps one other undetermined species
<b>Histeridae (hister beetles)</b>	
<i>Hypocaccus</i> sp.	(known only from larva)
<i>Neopachylopus sulcifrons</i>	(Mannerheim)
<i>Saprinus lucidulus</i>	LeConte
<i>Saprinus lugens</i>	Erichson 1834
<b>Lathridiidae</b>	
<i>Cortilena casta</i>	(Fall) 1899
<b>Meloidae</b>	
<i>Meloe barbarus</i>	LeConte 1861
<b>Melyridae (soft-winged flower beetles)</b>	
<i>Collops crusoe</i>	Fall 1910
<i>Trichochrous</i> (s.l.) sp.	
<b>Oedemeridae (false blister beetles)</b>	
<i>Copidita quadrimaculata</i>	(Motschulsky) 1852
<b>Phalacridae (shining flower beetles)</b>	
<i>Phalacris</i> sp.	
<b>Scarabaeidae (scarab beetles)</b>	
<i>Coenonycha clementina</i>	Casey 1909
<i>Cyclocephala longula</i>	LeConte 1863
<i>Ligyris gibbosus</i>	Dejean 1874
<i>Parathyce palpalis</i>	(Horn) 1880
<i>Phobetus comatus</i>	LeConte perhaps one or two others undetermined
<b>Staphylinidae (rove beetles)</b>	
<i>Bledius albonotatus</i>	Maklin 1853

Table E-4. Insects, Spiders and Related Animals (Continued).

<i>Bledius fenyesei</i>	Bernhauer & Schubert 1911
<i>Cafius lithocharinus</i>	LeConte 1863
<i>Cafius canescens</i>	(Maklin) 1852
<i>Cafius seminitens</i>	Horn 1884
<i>Funda sulcicollis</i>	(Mannerheim) 1843
<i>Hadrotus crassus</i>	Mannerheim 1846
<b>Tenebrionidae (darkling beetles)</b>	
<i>Apsena grossa</i>	(LeConte) 1866
<i>Coelus globosus</i>	LeConte 1851 (globose dune beetle)
<i>Coelus pacificus</i>	Fall 1897 (pacific dune beetle)
<i>Contiontis</i> sp.	Blaisdell 1921
<i>Eleodes dentipes</i>	Escholtz
<i>Eleodes laticollis apprima</i>	Blaisdell 1921
<i>Eleodes subvestita</i>	(Blaisdell) 1939 (endemic SNI)
<i>Epantius obscurus</i>	LeConte 1851
<i>Helops bachei</i>	LeConte 1861
<i>Helops blaisdelli</i>	Casey 1891 (possible syn. with following)
<i>Helops</i> sp.	Spilman in ed.
<i>Phaleria rotundata</i>	LeConte 1851
Collembola (springtails)	
<b>Entomobryidae</b>	
<i>Entomobrya atrocincta</i>	Schott
<i>Entomobrya multifasciata</i>	
<i>Entomobrya</i> sp.	
<i>Entomobrya unostrigata</i>	Stach
Dermaptera (earwigs)	
<b>Forficulidae (lobe-footed earwigs)</b>	
<i>Forficula auricularia</i> Linnaeus (european earwig)	
Diptera (two-winged flies)	
<b>Anthomyiidae (anthomyid flies)</b>	
<i>Fucellia assimilis</i>	Malloch 1918
<i>Fucellia costalis</i>	Stein 1910
<i>Fucellia pacifica</i>	Malloch 1923
<i>Fucellia separata</i>	Stein 1910
<i>Fucellia thinobia</i>	(Thomson) 1863
<i>Hylemya (Paregle) cinerella</i>	(Fallen) 1825
<b>Asilidae (robber flies)</b>	
<i>Cophura hennei</i>	(Wilcox & Martin) 1945 (endemic SNI) (Henne's robber)
<b>Bombyliidae (bee flies)</b>	
<i>Lepidanthrax angelus</i>	Osten-Sacken
<i>Lepidanthrax borius</i>	Hall
<b>Canaceidae (beach flies)</b>	
<i>Canaceoides nudatus</i>	(Cresson) 1926 (nude beach fly)
<b>Ceratopogonidae (punkies)</b>	
<i>Leptoconops freeborni</i>	Wirth 1952 (freeborn's biting punkie)
<b>Coelopidae (seaweed flies)</b>	
<i>Coelopa vanduzeei</i>	Cresson (seaweed fly)
<b>Culicidae (mosquitoes)</b>	
<i>Culex tarsalis</i>	Coquillett
<i>Culiseta inornata</i>	(Williston)
<b>Ephydriidae (shore flies)</b>	
<i>Ilythea spilota</i>	(Curtis) 1832
<i>Parascatella</i> sp.	
<i>Scatella paludum</i>	(Meigen) 1830
<b>Muscidae (muscid flies)</b>	
<i>Fannia</i> sp.	Cockerell 1940 (false house fly)
<b>Piophilidae (skipper flies)</b>	
<i>Piophila casei</i> (Linnaeus)	1758 (cheese skipper)
<b>Sphaeroceridae (small dung flies)</b>	
<i>Leptocera johnsoni</i>	Spuler 1925 (johnson's dung fly) possibly one other undetermined species
<b>Syrphidae (flower flies)</b>	
<i>Copestylum mexicana</i>	Maquart
<b>Tephritidae (peacock/fruit flies)</b>	
<i>Paroxyyna</i> sp. nov.	Foote (SNI peacock fly)
<b>Therevidae (stiletto flies)</b>	
<i>Thereva smithae</i>	Holston and Irwin 2005
<b>Tipulidae (crane flies)</b>	

Table E-4. Insects, Spiders and Related Animals (Continued).

<i>Gonomyia virgata</i>	Doane 1900
<i>Gonomyia</i> sp.	Sanders 1964
<i>Limonia venusta</i>	Bergroth 1888
<i>Tipula</i> sp.	(known only from pupa)
<b>Hemiptera (true bugs)</b>	
<b>Alydidae (broad-headed bugs)</b>	
<i>Alydus tomentosus</i>	Fracker
<b>Lygaeidae (seed bugs)</b>	
<i>Emblethis bicarius</i>	Horvath
<b>Miridae (plant and leaf bugs)</b>	
<i>Lygus hesperus</i>	Knight
<b>Reduviidae (assassin bugs)</b>	
<i>Rasahus biguttatus</i>	(Say)
<b>Homoptera (roof-winged insects)</b>	
<b>Pseudococcidae (mealybugs)</b>	
<i>Chorizococcus abroniae</i>	McKenzie
<i>Ferrisia virgata</i>	
<i>Phenacoccus gossypii</i>	Townsend & Cockerell
<i>Phenacoccus solani</i>	
<i>Puto yuccae</i>	(Colquillet)
<i>Rhizoecus bicirculus</i>	
<i>Rhizoecus gracilis</i>	McKenzie
<i>Scaptococcus</i> sp.	
<i>Spilococcus pressus</i>	
<i>Tridiscus distichlii</i>	Ferris
<b>Hymenoptera (membrane-winged insects)</b>	
<b>Alloxystidae</b>	
<i>Alloxysta</i> sp.	
<b>Anthophoridae</b>	
<i>Anthophora urbana nicolai</i>	Cockerell 1939 (probable SNI endemic)
<i>Diadasia rinconis mimetica</i>	Cockerell 1924
<i>Hypochrotaenia formula</i>	(Viereck)
<b>Braconidae (braconids)</b>	
<i>Apanteles</i> (s.l.) sp.	Cockerell 1940)
<i>Deuterixys</i> sp. nov.	Mason (dist. unknown)
<i>Rogas</i> spp.	(2 different species)
<b>Chalcididae (chalcids)</b>	
<i>Euchalcidia</i> sp.	
<b>Encyrtidae (encyrtids)</b>	
<i>Euryhopalus</i> sp.	
<b>Eulophidae (eulophids)</b>	
<i>Zagrammosoma</i> sp.	
<b>Eumenidae</b>	
<i>Stenodynerus</i> sp.	
<b>Formicidae (ants)</b>	
<i>Aphaenogaster patruelis</i>	Forel 1886
<i>Monomorium minutum</i>	Buckley (aka M. ergatogyra Wheeler)
<b>Halictidae (halictid bees)</b>	
<i>Agapostemon texanus</i>	Cresson 1872 (aka A. californicus Crawford)
<i>Diadasia rinconis mimetica</i>	Cockerell 1924
<i>Dialictus incompletus</i>	(Crawford) 1907
<i>Dialictus megastictum</i>	(Cockerell)
<i>Dialictus nevadensis</i>	(Crawford) 1907
<i>Dialictus perichlarus</i>	(Cockerell) 1937
<i>Dialictus pilosicaudus</i>	(Cockerell) 1937
<i>Evylaeus kindaidii</i>	(Cockerell)
<b>Ichneumonidae (ichneumons)</b>	
<i>Aclastus</i> sp.	
<i>Enicospilus</i> sp.	
<i>Gelis</i> sp.	
<i>Hyposoter</i> sp.	
<i>Netilia</i> sp.	
<i>Ophoin</i> sp.	
<i>Spilichneumon</i> sp.	(near <i>S. superbus</i> (Prov.))
<i>Triclistus</i> sp.	
<b>Mymaridae (fairyfly chalcids)</b>	
<i>Gonatocerus</i> sp.	
<i>Polynema</i> sp.	

Table E-4. Insects, Spiders and Related Animals (Continued).

<b>Pteromalidae</b>	
<i>Halticoptera</i> sp.	
<b>Scelionidae</b>	
<i>Idris</i> sp.	
<b>Sphecidae (sphecid wasps)</b>	
<i>Bembix americana nicolai</i> (aka <i>B. hamata nicolai</i> )	Cockerell 1938 (endemic SNI) (SNI sand wasp)
<i>Mimesa cahuilla</i>	Finnamore 1983
<i>Podalonia mexicana</i>	(Saussure) and 8 other species per Menke
<b>Tiphiidae (tiphiid wasps)</b>	
<i>Brachycistis agama</i>	(DellaTorre) 1897
Isoptera (termites)	
undetermined family and sp. at Daytona Beach	
Lepidoptera (butterflies and moths)	
<b>Arctiidae (tiger moths)</b>	
<i>Apantesis proxima</i>	Guerin-Meneville (mexican tiger moth)
<b>Geometridae (geometer moths)</b>	
<i>Euphyia implicata</i>	Guenee
<i>Perizoma custodiata</i>	Guenee
<b>Hesperiidae (skippers)</b>	
<i>Pyrgus albescens</i>	Ploetz (resident) (western checkered skipper)
<b>Lycaenidae (gossamer-winged butterflies)</b>	
<i>Brephidium exilis</i>	(Boisduval) (resident) (western pygmy blue)
<i>Everes amyntula amyntula</i>	(Boisduval) (resident) (western tailed blue)
<i>Plebejus acmon acmon</i>	(West. & Hewit.) (resident) (acmon blue)
<i>Strymon melinus</i>	Huebner (resident) (gray hairstreak)
<b>Noctuidae (noctuid moths)</b>	
<i>Euxoa messoria</i>	(Harris) 1841 (reaper dart)
<i>Lacinipolia strigicollis</i>	(Wallengren) 1860
<i>Pseudaletia unipuncta</i>	(Haworth) (armyworm)
<i>Spodoptera frugiperda</i>	(Abbot & Smith) (fall armyworm)
<i>Trichoclea edwardsi</i>	Smith 1887
<b>Nymphalidae (brush-footed butterflies)</b>	
<i>Vanessa (Cynthia) anabella</i>	(Field) (resident) (west coast lady)
<i>Vanessa (Cynthia) cardui</i>	(Linnaeus) (painted lady)
<i>Vanessa (Cynthia) virginiensis</i>	(Drury) (virginia lady)
<b>Pieridae (whites, sulphurs and orangetips)</b>	
<i>Colias eurytheme</i> Boisduval	(resident) (alfalfa sulphur)
<i>Pieris protodice</i>	Boisduval & LeConte (resident) (checkered white)
<b>Pterophoridae (plume moths) (microleps)</b>	
<i>Anstenoptilia marmarodactyla</i>	(Dyar) 1902
<i>Platyptilia williamsii</i>	Grinnell 1908
<b>Pyralidae (grass moths) (microleps)</b>	
<i>Diastictus fracturalis</i>	(Zeller)
<i>Dicymolomia metalliferalis</i>	(Packard)
<i>Nomophila nearctica</i>	Munroe
<i>Protasia mirabilicornella</i>	(Dyar)
<b>Sphingidae (sphinx moths)</b>	
<i>Hyles lineata</i>	(Fabricius) 1775 (striped morning sphinx)
<b>Tineidae (clothes moths) (microleps)</b>	
<i>Amydria</i> sp.	
<b>Tortricidae (leaf-roller moths) (microleps)</b>	
<i>Argyrotaenia franciscana insulana</i>	Powell 1964 ( aka <i>Argrotaenia</i> )
<i>Epiblema strenuana</i>	(Walker)
Neuroptera (nerve-winged insects)	
<b>Myrmeleontidae (antlions)</b>	
<i>Brachynemurus peregrinus</i>	(Hagen) 1861
Orthoptera (straight-winged insects)	
<b>Acrididae (short-horned grasshoppers)</b>	
<i>Camnula pellucida</i>	(Scudder) 1862
<i>Microtes nicolai</i>	Rentz & Weissman 1982 (endemic SNI)
<i>Schistocera nitens nitens</i>	(Thunberg)
<i>Trimerotropis pallidipennis pallidipennis</i>	(Burmeister) 1838
<i>Trimerotropis pseudofasciata</i>	Scudder
<b>Blatellidae (german and wood roaches)</b>	
<i>Blatella germanica</i>	(Linnaeus)
<b>Gryllacrididae (wingless long-horned grasshoppers)</b>	

Table E-4. Insects, Spiders and Related Animals (Continued).

<i>Cnemotettix spinulus</i>	Rentz & Weismann 1973
<i>Pristoceuthophilus marmoratus</i>	Rehn
<b>Gryllidae (crickets)</b>	
<i>Gryllus integer</i>	Scudder 1901
<i>Gryllus lineaticeps</i>	Stal 1858
<i>Thysanura (aka Microcoryphia) (bristletails)</i>	
<b>Machilidae (jumping bristletails)</b>	
<i>Neomachilis</i> sp.	

## E.3 Vertebrates

### E.3.1 Reptiles

Table E-5. Terrestrial Reptiles.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Elgaria multicarinata</i>	southern alligator lizard	
<i>Uta stansburiana elegans</i>	sideblotched lizard	
<i>Xantusia riversiana</i>	island night lizard	FT

FE = Federally Endangered, FT = Federally Threatened,  
SE = State Endangered, ST = State Threatened, SS = Sensitive Species

1. Sources: G. Smith, pers. comm, 2010.

### E.3.2 Birds

#### ABUNDANCE AND SEASONAL OCCURRENCE

a - Abundant 100+/day	E Extirpated	a – Autumn
c – Common 25-100/day	P Perennial Visitor	s – Spring
u – Uncommon 1-24/day	R Resident	* - Confirmed Breeder
r – Rare 1-10/year	S Summer Visitor	? – Suspected Breeder
	T Transient	
x – extremely rare, of casual or accidental occurrence	W Winter Visitor	

Table E-6. Checklist of the Birds of San Nicolas Island<sup>1</sup>.

Scientific Name	Common Name	Status
<b>ANATIDAE (DUCKS, GEESE AND SWANS)</b>		
<i>Anser albifrons</i>	greater white-fronted goose	xT, xW
<i>Chen caerulescens</i>	snow goose	xW
<i>Branta bernicla</i>	brant	rTs, xTa
<i>Branta canadensis</i>	Canada goose	xW
<i>Cygnus columbianus</i>	tundra swan	xW
<i>Anas strepera</i>	gadwall	xTa
<i>Anas penelope</i>	Eurasian wigeon	xTa
<i>Anas americana</i>	American wigeon	xTa
<i>Anas platyrhynchos</i>	mallard	xTa
<i>Anas discors</i>	blue-winged teal	xTa
<i>Anas cyanoptera</i>	cinnamon teal	rW
<i>Anas clypeata</i>	northern shoveler	rT
<i>Anas acuta</i>	northern pintail	rW, rT
<i>Anas crecca</i>	green-winged teal	rW, rT
<i>Aythya collaris</i>	ring-necked duck	xTa
<i>Aythya marila</i>	greater scaup	xTa
<i>Aythya affinis</i>	lesser scaup	rW
<i>Melanitta perspicillata</i>	surf scoter	cW

Table E-6. Checklist of the Birds of San Nicolas Island<sup>1</sup> (Continued).

Scientific Name	Common Name	Status
<i>Melanitta fusca</i>	white-winged scoter	xTs
<i>Mergus serrator</i>	red-breasted merganser	uW
<i>Oxyura jamaicensis</i>	ruddy duck	rW
<b>GAVIIDAE (LOONS)</b>		
<i>Gavia stellata</i>	red-throated loon	rW
<i>Gavia pacifica</i>	Pacific loon	uW, xS
<i>Gavia immer</i>	common loon	uW, xS
<b>PODICIPEDIDAE (GREBES)</b>		
<i>Podilymbus podiceps</i>	pied-billed grebe	xT
<i>Podiceps auritus</i>	horned grebe	xT
<i>Podiceps nigricollis</i>	eared grebe	uW
<i>Aechmophorus occidentalis</i>	western grebe	cW, rS
<i>Aechmophorus clarkii</i>	Clark's grebe	xTa
<b>DIOMEDEIDAE (ALBATROSSES)</b>		
<i>Phoebastria immutabilis</i>	Laysan albatross	xTs
<b>PROCELLARIIDAE (SHEARWATERS AND PETRELS)</b>		
<i>Fulmarus glacialis</i>	northern fulmar	uW
<i>Pterodroma ultima</i>	Murphy's petrel	xTs
<i>Puffinus creatopus</i>	pink-footed shearwater	cS
<i>Puffinus bulleri</i>	Buller's shearwater	xTa
<i>Puffinus griseus</i>	sooty shearwater	aTs, rS, cTa
<i>Puffinus opisthomelas</i>	black-vented shearwater	xTa
<b>HYDROBATIDAE (STORM-PETRELS)</b>		
<i>Oceanodroma leucorhoa</i>	Leach's storm-petrel	xTa
<i>Oceanodroma homochroa</i>	ashy storm-petrel	xTa
<i>Oceanodroma melania</i>	black storm-petrel	xTa
<b>PHAETHONTIDAE (TROPICBIRDS)</b>		
<i>Phaethon aethereus</i>	red-billed tropicbird	xTa
<b>SULIDAE (BOOBIES)</b>		
<i>Sula dactylatra</i>	masked booby	xT
<b>PHALACROCORACIDAE (CORMORANTS)</b>		
<i>Phalacrocorax penicillatus</i>	Brandt's cormorant	aR*
<i>Phalacrocorax auritus</i>	double-crested cormorant	uR
<i>Phalacrocorax pelagicus</i>	Pelagic cormorant	uR*
<b>PELECANIDAE (PELICANS)</b>		
<i>Pelecanus occidentalis</i>	brown pelican	aR, E*
<b>ARDEIDAE (HERONS, BITTERNS AND ALLIES)</b>		
<i>Botaurus lentiginosus</i>	American bittem	xTa
<i>Ardea herodias</i>	great blue heron	uW
<i>Ardea alba</i>	great egret	xTa
<i>Egretta thula</i>	snowy egret	xT, xW
<i>Bubulcus ibis</i>	cattle egret	xP
<i>Butorides virescens</i>	green heron	xTa
<i>Nycticorax nycticorax</i>	black-crowned night-heron	xTa
<b>THRESKIORNITHIDAE (IBISES AND SPOONBILLS)</b>		
<i>Plegadis chihi</i>	white-faced ibis	xTa
<b>CATHARTIDAE (NEW WORLD VULTURES)</b>		
<i>Cathartes aura</i>	turkey vulture	xTs
<b>PANDIONIDAE (OSPREY)</b>		
<i>Pandion haliaetus</i>	osprey	xTa
<b>ACCIPITRIDAE (HAWKS, KITES, AND EAGLES)</b>		
<i>Elanus leucurus</i>	white-tailed kite	xTa
<i>Haliaeetus leucocephalus</i>	bald eagle	E*
<i>Circus cyaneus</i>	northern harrier	uW
<i>Accipiter striatus</i>	sharp-shinned hawk	rT
<i>Accipiter cooperii</i>	Cooper's hawk	rW
<i>Buteo jamaicensis</i>	red-tailed hawk	xT, xW
<b>FALCONIDAE (CARACARAS AND FALCONS)</b>		
<i>Falco sparverius</i>	American kestrel	cR*
<i>Falco columbarius</i>	merlin	rW
<i>Falco peregrinus</i>	peregrine falcon	uW
<i>Falco mexicanus</i>	prairie falcon	xTa
<b>RALLIDAE (RAILS, GALLINULES AND COOTS)</b>		
<i>Rallus limicola</i>	Virginia rail	rT
<i>Porzana carolina</i>	sora	rT
<i>Fulica americana</i>	American coot	rW
<b>GRUIDAE (CRANES)</b>		

Table E-6. Checklist of the Birds of San Nicolas Island<sup>1</sup> (Continued).

Scientific Name	Common Name	Status
<i>Grus canadensis</i>	sandhill crane	xW
<b>CHARADRIINAE (LAPWINGS AND PLOVERS)</b>		
<i>Pluvialis squatarola</i>	black-bellied plover	cW, rS
<i>Pluvialis fulva</i>	Pacific golden-plover	uW
<i>Charadrius alexandrinus</i>	snowy plover	cR*
<i>Charadrius semipalmatus</i>	semipalmated plover	uTas
<i>Charadrius vociferus</i>	killdeer	uR*
<i>Charadrius montanus</i>	mountain plover	xW
<b>HAEMATOPODIDAE (OYSTERCATCHERS)</b>		
<i>Haematopus palliatus</i>	American oystercatcher	rR?
<i>Haematopus bachmani</i>	black oystercatcher	uR*
<b>RECURVIROSTRIDAE (STILTS AND AVOCETS)</b>		
<i>Himantopus mexicanus</i>	black-necked btiit	rT
<i>Recurvirostra americana</i>	American avocet	xTas
<b>SCOLOPACIDAE (SANDPIPERS, PHALAROPES, AND ALLIES)</b>		
<i>Actitis macularius</i>	spotted sandpiper	rW
<i>Tringa incana</i>	wandering tattler	uW, rS
<i>Tringa melanoleuca</i>	greater yellowlegs	rTa, xTs
<i>Tringa semipalmata</i>	willet	cW, rS
<i>Tringa flavipes</i>	lesser yellowlegs	rTa, xTs
<i>Tringa solitaria</i>	solitary sandpiper	xTa
<i>Numenius phaeopus</i>	whimbrel	uW, rS
<i>Numenius americanus</i>	long-billed curlew	rW
<i>Limosa haemastica</i>	Hudsonian godwit	xTa
<i>Limosa fedoa</i>	marbled godwit	cW, uS
<i>Arenaria interpres</i>	ruddy turnstone	uW, rS
<i>Arenaria melanocephala</i>	black turnstone	cW, uS
<i>Aphriza virgata</i>	surfbird	uW, rS
<i>Calidris canutus</i>	red knot	xTa
<i>Calidris alba</i>	sanderling	cT, uW
<i>Calidris pusilla</i>	semipalmated sandpiper	xTa
<i>Calidris mauri</i>	western sandpiper	cTa, uW
<i>Calidris minutilla</i>	least sandpiper	cTa, uW
<i>Calidris bairdii</i>	Baird's sandpiper	rTa
<i>Calidris melanotos</i>	pectoral sandpiper	rTa
<i>Calidris alpina</i>	dunlin	rT
<i>Tryngites subruficollis</i>	buff-breasted sandpiper	xTa
<i>Philomachus pugnax</i>	ruff	xTa
<i>Limnodromus griseus</i>	short-billed dowitcher	rTa, xTs
<i>Limnodromus scolopaceus</i>	long-billed dowitcher	uTa
<i>Gallinago gallinago</i>	common snipe	rT
<i>Phalaropus tricolor</i>	Wilson's phalarope	rTa, xTs
<i>Phalaropus lobatus</i>	red-necked phalarope	rT
<i>Phalaropus fulicaria</i>	red phalarope	xTas
<b>LARIDAE (GULLS, TERNS AND SKIMMERS)</b>		
<i>Rissa tridactyla</i>	black-legged kittiwake	uW
<i>Chroicocephalus philadelphia</i>	Bonaparte's gull	rW
<i>Larus atricilla</i>	laughing gull	xT
<i>Larus heermanni</i>	Heerman's gull	aW, rS
<i>Larus canus</i>	mew gull	rW
<i>Larus delawarensis</i>	ring-billed gull	xTa
<i>Larus occidentalis</i>	western gull	aR*
<i>Larus californicus</i>	California gull	cW
<i>Larus argentatus</i>	herring gull	uW
<i>Larus thayeri</i>	Thayer's gull	rW
<i>Larus glaucescens</i>	glaucous-winged gull	uW, rS
<i>Larus hyperboreus</i>	glaucous gull	xW
<i>Hydroprogne caspia</i>	Caspian tern	xT
<i>Sterna forsteri</i>	Forster's tern	xTs
<i>Thalasseus maximus</i>	royal tern	cW, uS
<i>Thalasseus elegans</i>	elegant tern	xT
<i>Rynchops niger</i>	black skimmer	xT
<b>STERCORARIIDAE (SKUAS AND JAEGERS)</b>		
<i>Catharacta maccormicki</i>	south polar skua	xTa
<i>Stercorarius pomarinus</i>	pomarine jaeger	rW
<i>Stercorarius parasiticus</i>	parasitic jaeger	rW
<b>ALCIDAE (AUKS, MURRES AND PUFFINS)</b>		

Table E-6. Checklist of the Birds of San Nicolas Island<sup>1</sup> (Continued).

Scientific Name	Common Name	Status
<i>Uria aalge</i>	common murre	xW
<i>Cepphus columba</i>	pigeon guillemot	uTa, rP
<i>Synthliboramphus hypoleucus</i>	Xantus's murrelet	xP
<i>Ptychoramphus aleuticus</i>	Cassin's auklet	rR
<i>Aethia psittacula</i>	parakeet auklet	xW
<i>Cerorhinca monocerata</i>	rhinoceros auklet	rR
<i>Fratercula cirrhata</i>	tufted puffin	xTs
COLUMBIDAE (PIGEONS AND DOVES)		
<i>Patagioenas fasciata</i>	band-tailed pigeon	rS
<i>Zenaida asiatica</i>	white-winged dove	rTs
<i>Zenaida macroura</i>	mourning dove	uTa
CUCULIDAE (CUCKOOS, ROADRUNNERS AND ANIS)		
<i>Coccyzus erythrophthalmus</i>	black-billed cuckoo	xTa
<i>Coccyzus americanus</i>	yellow-billed cuckoo	xTa
TYTONIDAE (BARN OWLS)		
<i>Tyto alba</i>	barn owl	uR*
STRIGIDAE (TYPICAL OWLS)		
<i>Athene cunicularia</i>	burrowing owl	uW
<i>Asio otus</i>	long-eared owl	xTa
<i>Asio flammeus</i>	short-eared owl	xT
CAPRIMULGIDAE (GOATSUCKERS)		
<i>Chordeiles acutipennis</i>	lesser nighthawk	xTs
<i>Phalaenoptilus nuttallii</i>	common poorwill	xTa
APODIDAE (SWIFTS)		
<i>Cypseloides niger</i>	black swift	xTs
<i>Chaetura pelagica</i>	chimney swift	xTs
<i>Chaetura vauxi</i>	Vaux's swift	xTa
<i>Aeronautes saxatalis</i>	white-throated swift	xTs
TROCHILIDAE (HUMMINGBIRDS)		
<i>Archilochus alexandri</i>	black-chinned hummingbird	xTa
<i>Calypte anna</i>	Anna's hummingbird	uW, rS
<i>Calypte costae</i>	Costa's hummingbird	xTsa
<i>Selasphorus rufus</i>	rufous hummingbird	rTs, xTa
<i>Selasphorus sasin</i>	Allen's hummingbird	rTs, xTa
ALCEDINIDAE (KINGFISHERS)		
<i>Megaceryle alcyon</i>	belted kingfisher	rW
PICIDAE (WOODPECKERS)		
<i>Melanerpes lewis</i>	Lewis's woodpecker	xTa
<i>Melanerpes formicivorus</i>	acorn woodpecker	xT
<i>Sphyrapicus nuchalis</i>	red-naped sapsucker	xTa
<i>Sphyrapicus ruber</i>	red-breasted sapsucker	xTa
<i>Colaptes auratus</i>	northern flicker	uW
TYRANNIDAE (TYRANT FLYCATCHERS)		
<i>Contopus cooperi</i>	olive-sided flycatcher	rT
<i>Contopus sordidulus</i>	western wood-pewee	rt
<i>Empidonax flaviventris</i>	yellow-bellied flycatcher	xTa
<i>Empidonax traillii</i>	willow flycatcher	rT
<i>Empidonax minimus</i>	least flycatcher	xTa
<i>Empidonax hammondi</i>	hammond's flycatcher	rT
<i>Empidonax wrightii</i>	gray flycatcher	rT
<i>Empidonax oberholseri</i>	dusky flycatcher	xT
<i>Empidonax difficilis</i>	Pacific-slope flycatcher	cTa
<i>Sayornis nigricans</i>	black phoebe	uW
<i>Sayornis phoebe</i>	eastern phoebe	xTa
<i>Sayornis saya</i>	Say's phoebe	cW
<i>Pyrocephalus rubinus</i>	vermillion flycatcher	xTa
<i>Myiarchus cinerascens</i>	ash-throated flycatcher	xT
<i>Tyrannus melancholicus</i>	tropical kingbird	xTa
<i>Tyrannus vociferans</i>	Cassin's kingbird	xTa
<i>Tyrannus verticalis</i>	western kingbird	cT
<i>Tyrannus tyrannus</i>	eastern kingbird	rT
<i>Tyrannus forficatus</i>	scissor-tailed flycatcher	xT
LANIIDAE (SHRIKES)		
<i>Lanius ludovicianus</i>	loggerhead shrike	rW
VIREONIDAE (VIREOS)		
<i>Vireo bellii</i>	Bell's vireo	xTs
<i>Vireo cassinii</i>	Cassin's vireo	rT



Table E-6. Checklist of the Birds of San Nicolas Island<sup>1</sup> (Continued).

Scientific Name	Common Name	Status
<i>Vireo huttoni</i>	Hutton's vireo	rT
<i>Vireo gilvus</i>	warbling vireo	cT
<i>Vireo olivaceus</i>	red-eyed vireo	xTs
<b>CORVIDAE (CROWS AND JAYS)</b>		
<i>Corvus corax</i>	common raven	E*, xT
<b>ALAUDIDAE (LARKS)</b>		
<i>Eremophila alpestris</i>	homed lark	aR*
<b>HIRUNDINIDAE (MARTINS AND SWALLOWS)</b>		
<i>Progne subis</i>	purple martin	xTa
<i>Tachycineta bicolor</i>	tree swallow	rT
<i>Tachycineta thalassina</i>	violet-green swallow	rT
<i>Stelgidopteryx serripennis</i>	northern rough-winged swallow	rT
<i>Riparia riparia</i>	bank swallow	xT
<i>Petrochelidon pyrrhonota</i>	cliff swallow	rT
<i>Hirundo rustica</i>	barn swallow	rS*, rT
<b>SITTIDAE (NUTHATCHES)</b>		
<i>Sitta canadensis</i>	red-breasted nuthatch	rT
<i>Sitta pygmaea</i>	pygmy nuthatch	xTs
<b>CERTHIDAE (CREEPERS)</b>		
<i>Certhia americana</i>	brown creeper	rT
<b>TROGLODYTIDAE (WRENS)</b>		
<i>Salpinctes obsoletus</i>	rock wren	cR*
<i>Thryomanes bewickii</i>	Bewick's wren	rT
<i>Troglodytes aedon</i>	house wren	uW, uT
<i>Troglodytes pacificus</i>	Pacific wren	rW, rT
<i>Cistothorus palustris</i>	marsh wren	rW, rT
<b>POLIOPTILIDAE (GNATCATCHERS)</b>		
<i>Polioptila caerulea</i>	clue-gray gnatcatcher	rT
<b>REGULIDAE (KINGLETS)</b>		
<i>Regulus satrapa</i>	golden-crowned kinglet	xTa
<i>Regulus calendula</i>	ruby-crowned kinglet	cT, uW
<b>TURDIDAE (SOLITAIRES, THRUSHES AND ALLIES)</b>		
<i>Sialia currucoides</i>	mountain bluebird	rW
<i>Myadestes townsendi</i>	Townsend's solitaire	rTa, xTs
<i>Catharus ustulatus cT</i>	Swainson's thrush	
<i>Catharus guttatus</i>	hermit thrush	cT, uW
<i>Turdus migratorius</i>	American robin	uT
<i>Ixoreus naevius</i>	varied thrush	uT, rW
<b>MIMIDAE (MOCKINGBIRDS, THRASHERS AND ALLIES)</b>		
<i>Dumetella carolinensis</i>	gray catbird	xTa
<i>Mimus polyglottos</i>	northern mockingbird	cR*
<i>Oreoscoptes montanus</i>	sage thrasher	rT, rW
<i>Toxostoma rufum</i>	brown thrasher	xT
<i>Toxostoma bendirei</i>	Bendire's thrasher	xTa
<b>MOTACILLIDAE (WAGTAILS AND PIPITS)</b>		
<i>Anthus cervinus</i>	red-throated pipit	xTa
<i>Anthus rubescens</i>	American pipit	uW
<b>BOMBYCILLIDAE (WAXWINGS)</b>		
<i>Bombycilla cedrorum</i>	cedar waxwing	cT
<b>PTILOGONATIDAE (SILKY-FLYCATCHERS)</b>		
<i>Phainopepla nitens</i>	phainopepla	uT
<b>CALCARIIDAE (LONGSPURS)</b>		
<i>Calcarius lapponicus</i>	Lapland longspur	rTa
<i>Calcarius ornatus</i>	chestnut-collared longspur	xTa
<b>PARULIDAE (WOOD WARBLERS)</b>		
<i>Vermivora chrysoptera</i>	golden-winged warbler	xTs
<i>Oreothlypis peregrina</i>	Tennessee warbler	xT
<i>Oreothlypis celata</i>	orange-crowned warbler	aS*, cT, uW
<i>Oreothlypis ruficapilla</i>	Nashville warbler	rT
<i>Oreothlypis virginiae</i>	Virginia's warbler	xT
<i>Oreothlypis luciae</i>	Lucy's warbler	xT
<i>Parula americana</i>	northern parula	xTs
<i>Dendroica petechia</i>	yellow warbler	cT
<i>Dendroica pensylvanica</i>	chestnut-sided warbler	xTa
<i>Dendroica magnolia</i>	magnolia warbler	xT
<i>Dendroica tigrina</i>	Cape May warbler	xT
<i>Dendroica caerulescens</i>	black-throated blue warbler	xTas

Table E-6. Checklist of the Birds of San Nicolas Island<sup>1</sup> (Continued).

Scientific Name	Common Name	Status
<i>Dendroica coronata</i>	yellow-rumped warbler	cT, uW
<i>Dendroica nigrescens</i>	black-throated gray warbler	rT
<i>Dendroica virens</i>	black-throated green warbler	xT
<i>Dendroica townsendi</i>	Townsend's warbler	uT, rw
<i>Dendroica occidentalis</i>	hermit warbler	uT
<i>Dendroica fusca</i>	Blackburnian warbler	xTas
<i>Dendroica dominica</i>	yellow-throated warbler	xTa
<i>Dendroica discolor</i>	prairie warbler	xTa
<i>Dendroica palmarum</i>	palm warbler	uT, rW
<i>Dendroica castanea</i>	bay-breasted warbler	xT
<i>Dendroica striata</i>	Blackpoll warbler	rTa
<i>Mniotilta varia</i>	black-and-white warbler	rT
<i>Setophaga ruticilla</i>	American redstart	uT
<i>Protonotaria citrea</i>	prothonotary warbler	xTs
<i>Helminthos vermivorum</i>	worm-eating warbler	xTs
<i>Seiurus aurocapilla</i>	ovenbird	rT
<i>Parkesia noveboracensis</i>	northern waterthrush	rTa, xTs
<i>Oporornis agilis</i>	Connecticut warbler	xTa
<i>Oporornis philadelphia</i>	mourning warbler	xTa
<i>Oporornis tolmiei</i>	MacGillivray's warbler	uT
<i>Geothlypis trichas</i>	common yellowthroat	cT, uW
<i>Wilsonia citrina</i>	hooded warbler	xT
<i>Wilsonia pusilla</i>	Wilson's warbler	cT
<i>Myioborus pictus</i>	painted redstart	xTa
<i>Icteria virens</i>	yellow-breasted chat	uTa, rTs
<b>EMBERIZIDAE (TOWHEES, SPARROWS, AND JUNCOS)</b>		
<i>Pipilo chlorurus</i>	green-tailed towhee	rT
<i>Pipilo maculatus</i>	spotted towhee	uT, rW
<i>Spizella passerina</i>	chipping sparrow	cT
<i>Spizella pallida</i>	clay-colored sparrow	rTa, xTs
<i>Spizella breweri</i>	Brewer's sparrow	rT
<i>Spizella atrogularis</i>	black-chinned sparrow	xTa
<i>Poocetes gramineus</i>	Vesper sparrow	rT
<i>Chondestes grammacus</i>	lark sparrow	uT
<i>Amphispiza bilineata</i>	black-throated sparrow	xTa
<i>Calamospiza melanocorys</i>	lark Bunting	rTa
<i>Passerculus sandwichensis</i>	savannah sparrow	cTa, uW
<i>Ammodramus savannarum</i>	grasshopper sparrow	xT
<i>Passerella iliaca</i>	fox sparrow	uT, uW
<i>Melospiza melodia</i>	song sparrow	rT
<i>Melospiza lincolni</i>	Lincoln's sparrow	cW
<i>Zonotrichia albicollis</i>	white-throated sparrow	rTa, xTs
<i>Zonotrichia querula</i>	Harris's sparrow	rW
<i>Zonotrichia leucophrys</i>	white-crowned sparrow	aW
<i>Zonotrichia atricapilla</i>	golden-crowned sparrow	cW
<i>Junco hyemalis</i>	dark-eyed junco	uT, rW
<b>CARDINALIDAE (GROSBEAKS, BUNTINGS AND ALLIES)</b>		
<i>Piranga rubra</i>	summer tanager	xT
<i>Piranga olivacea</i>	scarlet tanager	xT
<i>Piranga ludoviciana</i>	western tanager	cT
<i>Pheucticus ludovicianus</i>	rose-breasted grosbeak	rT
<i>Pheucticus melanocephalus</i>	black-headed grosbeak	cT
<i>Passerina caerulea</i>	blue grosbeak	uT
<i>Passerina amoena</i>	lazuli bunting	cT
<i>Passerina cyanea</i>	indigo bunting	rT
<i>Spiza americana</i>	dickcissel	rTa
<b>ICTERIDAE (BLACKBIRDS, ORIOLES AND ALLIES)</b>		
<i>Dolichonyx oryzivorus</i>	bobolink	uTa, xTs
<i>Agelaius phoeniceus</i>	red-winged blackbird	uW
<i>Agelaius tricolor</i>	tricolored blackbird	xTa
<i>Sturnella neglecta</i>	western meadowlark	aR*
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	uT
<i>Euphagus carolinus</i>	rusty blackbird	xTa
<i>Euphagus cyanocephalus</i>	Brewer's blackbird	cT, uW
<i>Molothrus ater</i>	brown-headed cowbird	cTf, uW, uTs
<i>Icterus spurius</i>	orchard oriole	xTa
<i>Icterus cucullatus</i>	hooded oriole	uT

Table E-6. Checklist of the Birds of San Nicolas Island<sup>1</sup> (Continued).

Scientific Name	Common Name	Status
<i>Icterus bullockii</i>	Bullock's oriole	cT
<i>Icterus galbula</i>	Baltimore oriole	rT
<i>Icterus parisorum</i>	Scott's oriole	rTa
FRINGILLIDAE (FINCHES AND ALLIES)		
<i>Carpodacus purpureus</i>	purple finch	rT
<i>Carpodacus cassinii</i>	Cassin's finch	rT
<i>Carpodacus mexicanus</i>	house finch	aR*
<i>Loxia curvirostra</i>	red crossbill	xTa
<i>Spinus pinus</i>	pine siskin	rTa, xTs
<i>Spinus psaltria</i>	lesser goldfinch	uT, xW
<i>Spinus lawrencei</i>	Lawrence's goldfinch	rT
<i>Spinus tristis</i>	American goldfinch	xT
<i>Coccothraustes vespertinus</i>	evening grosbeak	xT
NON-NATIVE SPECIES		
<i>Alectoris chukar</i>	chukar	aR*
<i>Phasianus colchicus</i>	ring-necked pheasant	E
<i>Callipepla californica</i>	California quail	E
<i>Columba livia</i>	rock dove	uT
<i>Sturnus vulgaris</i>	European starling	aR*
<i>Passer domesticus</i>	house sparrow	uR*

1. This checklist was compiled by the Santa Barbara Museum of Natural History in 2000 and was appended to the 2006-2010 INRMP for San Nicolas Island (USDON 2005).

### E.3.3 Mammals

Table E-7. Terrestrial Mammals.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Urocyon littoralis dickeyi</i>	San Nicolas Island fox	ST
<i>Peromyscus maniculatus exterus</i>	San Nicolas Island deer mouse	SS

FE = Federally Endangered, FT = Federally Threatened,  
SE = State Endangered, ST = State Threatened, SS = Sensitive Species

1. Sources: G. Smith, pers. comm, 2010.

## E.4 Conspicuous Marine Species

It is important to note that marine species lists should not be considered complete listings of all species present in an area. The marine environment is highly dynamic and individual animals may move over great distances. Additionally, surveys of marine species are limited in their ability to detect and document species due to the complex nature of the environment and methodological limitations. The following should be considered lists of relatively abundant or conspicuous species. Cryptic, sparse, or otherwise difficult to identify species may not be represented.

Table E-8. Marine Plants and Algae.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Acrosorium ciliolatum</i>	red algae	
<i>Bossiella</i> spp.	coralline algae	
<i>Botryocladia pseudodichotoma</i>	red algae	
<i>Bryopsis</i> spp.	hair algae	
<i>Calliarthron</i> spp.	coralline algae	
<i>Callithamnion rupicola</i>	red algae	
<i>Callophyllis</i> spp.	red algae	
<i>Caulacanthus ustulatus</i>	red algae	
<i>Centroceras</i> spp.	red algae	
<i>Ceramium</i> spp.	red algae	
<i>Chaetomorpha spiralis</i>	chaetomorpha algae	

Table E-8. Marine Plants and Algae.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Chondracanthus canaliculatus</i>	gigartina red algae	
<i>Chondracanthus spinosus</i>	gigartina red algae	
<i>Chondria acrorhizophora</i>	red algae	
<i>Chondria decipiens</i>	red algae	
<i>Chondria</i> spp.	red algae	
<i>Cladophora columbiana</i>	green tuft algae	
<i>Codium fragile</i>	dead man's fingers	
<i>Codium setchellii</i>	green algae	
<i>Colpomenia</i> spp.	brown algae	
<i>Corallina</i> spp.	coraline algae	
<i>Corallophila</i> spp.	red algae	
<i>Cryptopleura</i> spp.	red algae	
<i>Cyanobacteria</i>	bluegreen algae	
<i>Cystoseira osmundacea</i>	woody chain bladder algae	
<i>Dasya binghamiae</i>	red algae	
<i>Dasya californica</i>	red algae	
<i>Dasya sinicola</i>	red algae	
<i>Desmarestia ligulata</i>	brown algae	
<i>Dictyopteris undulata</i>	brown algae	
<i>Dictyota</i> spp.	brown algae	
<i>Egregia menziesii</i>	feather boa kelp	
<i>Eisenia arborea</i>	southern sea palm	
<i>Endarachne binghamiae</i>	brown algae	
<i>Endocladia muricata</i>	rock weed	
<i>ErythroGLOSSUM californicum</i>	red algae	
<i>Farlowia</i> spp.	red algae	
<i>Fucus</i> spp.	brown algae	
<i>Gastroclonium parvum</i>	green algae	
<i>Gastroclonium subarticulatum</i>	red algae	
<i>Gelidiaceae</i> spp.	red algae	
<i>Gelidium coulteri</i>	red algae	
<i>Gelidium nudifrons</i>	red algae	
<i>Gelidium purpurascens</i>	red algae	
<i>Gelidium pusillum</i>	red algae	
<i>Gelidium robustum</i>	red algae	
<i>Gelidium</i> spp.	red algae	
<i>Gracilariopsis andersonii</i>	red algae	
<i>Gracilariopsis papenfussii</i>	red algae	
<i>Halidrys dioica</i>	brown algae	
<i>Haliptylon gracile</i>	red algae	
<i>Herposiphonia littoralis</i>	red algae	
<i>Herposiphonia</i> spp.	red algae	
<i>Herposiphonia verticillata</i>	red algae	
<i>Hesperophycus harveyanus</i>	green algae	
<i>Hildenbrandia</i> spp.	red algae	
<i>Hymenena</i> spp.	red algae	
<i>Hypnea valentiae</i>	red algae	
<i>Jania crassa</i>	red algae	
<i>Jania tenella</i>	red algae	
<i>Laminaria farlowii</i>	laminaria kelp	
<i>Laminaria setchellii</i>	laminaria kelp	
<i>Laurencia decidua</i>	red algae	
<i>Laurencia masonii</i>	red algae	
<i>Laurencia pacifica</i>	red algae	
<i>Laurencia snyderae</i>	red algae	
<i>Laurencia</i> spp.	red algae	
<i>Leathesia</i> spp.	sea potato, brown algae	
<i>Lithothamnion</i> spp.	red algae	
<i>Lithophyllum</i> spp.	red algae	
<i>Lithothrix aspergillum</i>	coraline algae	
<i>Lomentaria hakodatensis</i>	brown algae	
<i>Lomentaria</i> spp.	brown algae	
<i>Macrocystis pyrifera</i>	giant kelp	
<i>Macrocystis</i> spp.	kelp	
<i>Mastocarpus papillatus</i>	rock weed	
<i>Mazzaella affinis</i>	red algae	
<i>Mazzaella leptorhynchus</i>	red algae	

Table E-8. Marine Plants and Algae.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Mazzaella linearis</i>	red algae	
<i>Nemalion helminthoides</i>	sea noodles algae	
<i>Nienburgia andersoniana</i>	red algae	
<i>Osmundea sinicola</i>	red algae	
<i>Osmundea spectabilis</i>	sea laurel algae	
<i>Pachydietyon coriaceum</i>	brown algae	
<i>Pelvetiopsis</i> spp.	green algae	
<i>Petalonia fascia</i>	brown algae	
<i>Petrocelis</i> spp.	red algae	
<i>Petrospongium rugosum</i>	brown algae	
<i>Peyssonnelia</i> spp.	crustose coralline algae	
<i>Phaeophyceae</i>	brown algae	
<i>Phycodrys setchellii</i>	red algae	
<i>Phyllospadix scouleri</i>	Scouler's surfgrass	
<i>Phyllospadix</i> sp.	surfgrass	
<i>Phyllospadix torreyi</i>	Torrey's surfgrass	
<i>Pikea</i> spp.	red algae	
<i>Plocamium cartilagineum</i>	red algae	
<i>Plocamium pacificum</i>	red algae	
<i>Plocamium violaceum</i>	red algae	
<i>Pogonophorella californica</i>	red algae	
<i>Polysiphonia</i> spp.	red algae	
<i>Porphyra</i> spp.	red algae	
<i>Prionitis lanceolata</i>	red algae	
<i>Prionitis linearis</i>	red algae	
<i>Prionitis</i> spp.	red algae	
<i>Pseudolithoderma nigra</i>	red algae	
<i>Pseudolithoderma nigrum</i> (previously <i>nigra</i> )	green algae	
<i>Pterocladiaella capillacea</i>	red algae	
<i>Pterosiphonia baileyi</i>	red algae	
<i>Pterosiphonia bipinnata</i>	black tassel	
<i>Pterosiphonia dendroidea</i>	red algae	
<i>Pterosiphonia pennata</i>	red algae	
<i>Pterothamnion</i> spp.	red algae	
<i>Pterygophora californica</i>	palm kelp	
<i>Ralfsiaceae</i>	brown algae	
<i>Rhodoglossum</i> spp.	red algae	
<i>Rhodymenia californica</i>	red algae	
<i>Rhodymenia pacifica</i>	red algae	
<i>Sargassum agardhianum</i>	brown algae	
<i>Sargassum muticum</i>	brown algae	
<i>Scytosiphon</i> spp.	brown algae	
<i>Silvetia compressa</i>	brown algae	
<i>Sorella delicatula</i>	red algae	
<i>Tiffaniella snyderiae</i>	red algae	
<i>Ulva</i> spp.	sea lettuce	
<i>Zonaria farlowii</i>	red algae	

## 1. Sources:

Daniel Pondella, Vantuna Research Group, subtidal surveys conducted as part of the Southern California Coastal Water Research Project's BIGHT '08 program (2008-2009).

Pete Raimondi, UCSC, PISCO intertidal surveys conducted as part of the ASBS storm water exemption package.

Merkel & Associates, Inc, Naval Base Ventura County, San Nicolas Island Area of Special Biological Significance Biological Survey Report (2007)

Table E-9. Marine Invertebrates.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Acanthinucella</i> spp.	sea snails	
<i>Alia</i> spp.	sea snail	
<i>Amphissa versicolor</i>	sea snail	
<i>Anemone</i>	unspecified anemones	
<i>Anisodoris nobilis</i>	sea lemon nudibranch	
<i>Anthopleura artemisia</i>	burrowing anemone	
<i>Anthopleura elegantissima</i>	aggregating anemone or colonial anemone	
<i>Anthopleura sola</i>	starburst anemone	

Table E-9. Marine Invertebrates.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Anthopleura xanthogrammica</i>	giant green anemone	
<i>Aplidium californicum</i>	sea pork tunicate	
<i>Aplidium solidum</i>	sea pork tunicate	
<i>Aplysia californica</i>	California sea slug or sea hare	
<i>Asterina miniata</i>	bat star	
<i>Astrangia lajollensis</i>	cup coral	
<i>Balanophyllia elegans</i>	orange cup coral	
<i>Balanus glandula</i>	acorn barnacle	
<i>Bittium eschrichtii</i>	sea snail	
<i>Blepharipoda occidentalis</i>	sand crabs	
<i>Brachidontes</i> spp.	mussels	
Bryozoans	moss animals	
<i>Bugula neritina</i>	bryozoan	
<i>Cancer</i> spp.	rock crabs	
<i>Ceratostoma foliatum</i>	sea snail	
<i>Ceratostoma nuttalli</i>	sea snail	
<i>Chaetopterus variopedatus</i>	parchment worm	
<i>Chthamalus</i> spp.	barnacle	
<i>Clavelina huntsmani</i>	lightbulb tunicate	
<i>Coenocyathus bowersi</i>	colonial cup coral	
<i>Conus californicus</i>	California cone	
<i>Coralliophila</i> spp.	sea snails	
<i>Corynactis californica</i>	strawberry anemone	
<i>Crassedoma giganteum</i>	rock scallop	
<i>Cucumaria miniata</i>	sea cucumber	
<i>Cucumaria piperata</i>	sea cucumber	
<i>Cucumaria pseudocurata</i>	sea cucumber	
<i>Cyanoplax hartwegii</i> (previously <i>lepidochitona</i> )	Hartweg's chiton	
<i>Cyanoplax</i> spp.	chitons	
<i>Cypraea spadicea</i>	chestnut cowrie	
<i>Dendraster excentricus</i>	sand dollars	
<i>Dendropoma lituella</i>	flat wormsnail	
<i>Dermasterias imbricata</i>	leather star	
<i>Didemnum</i> spp.	colonial tunicate	
<i>Diopatra</i> spp.	tube worm	
<i>Disporella separata</i>	purple encrusting bryozoan	
<i>Distaplia occidentalis</i>	colonial tunicate	
<i>Dodecaceria fewkesi</i>	colonial tubeworm	
<i>Dodecaceria</i> spp.	tube worm	
<i>Emerita analoga</i>	sand crabs	
<i>Epiactis prolifera</i>	brooding anemone	
<i>Euzonus mucronata</i>	bloodworms	
<i>Excirologa chiltoni</i>	isopods	
<i>Fissurella volcano</i>	volcano keyhole limpet	
<i>Flabellina iodinea</i>	spanish shawl nudibranch	
<i>Haliclona</i> spp.	purple encrusting sponges	
<i>Haliotis corrugata</i>	pink abalone	
<i>Haliotis cracherodii</i>	black abalone	Endangered
<i>Haliotis fulgens</i>	green abalone	
<i>Haliotis kamtschatkana assimilis</i>	pinto/threaded abalone	
<i>Haliotis rufescens</i>	red abalone	
<i>Haliotis sorenseni</i>	white abalone	Endangered
<i>Henricia leviuscula</i>	Pacific blood star	
<i>Hermisenda crassicornis</i>	opalescent nudibranch	
<i>Homalopoma baculum</i>	berry dwarf turban snail	
<i>Homalopoma luridum</i>	dark dwarf turban snail	
Hydroid	hydroid	
<i>Hymenamphistra cyanocrypta</i>	cobalt sponge	
<i>Kelletia kelletii</i>	Kellet's whelk	
<i>Lacuna marmorata</i>	sea snail	
<i>Lepidochitona dentiens</i>	chiton	
<i>Leptasterias</i> spp.	sea star	
<i>Leucilla nuttingi</i>	smooth urn sponge	
<i>Linckia columbianus</i>	sea star	
<i>Lirularia</i> spp.	sea snail	
<i>Lithopoma gibberosum</i>	red turban snail	
<i>Littorina keenae</i>	sea snail, periwinkle	

Table E-9. Marine Invertebrates.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Littorina plena</i>	sea snail, periwinkle	
<i>Littorina scutulata</i>	sea snail, periwinkle	
<i>Loligo opalescens</i>	Market squid	
<i>Lophogorgia chilensis</i>	red gorgonian	
<i>Lottia austrodigitalis</i>	southern finger limpet	
<i>Lottia conus</i>	limpet	
<i>Lottia digitalis</i>	California fingered limpet	
<i>Lottia gigantea</i>	owl limpet	
<i>Lottia limatula</i>	file limpet	
<i>Lottia ochracea</i>	yellow limpet	
<i>Lottia paradigitalis</i>	limpet	
<i>Lottia pelta</i>	shield limpet	
<i>Lottia scabra</i>	California rough limpet	
<i>Lottia scutum</i>	Pacific plate limpet	
<i>Lottia strigatella</i>	limpet	
<i>Loxorhynchus grandis</i>	sheep crab	
<i>Margarites</i> spp.	sea snail	
<i>Maxwellia gemma</i>	sea snail	
<i>Megabalanus californicus</i>	acorn barnacle	
<i>Megalorchestia</i> spp. [ <i>Orchestoidea</i> spp.]	beach hopper amphipods	
<i>Megastraea undosa</i> (prev. <i>Lithopoma undosum</i> and <i>astera undosa</i> )	wavy turban snail	
<i>Megathura crenulata</i>	giant keyhole limpet	
<i>Metridium</i> sp.	plumose sea anemone	
<i>Mitra idae</i>	Ida's miter	
<i>Mopalia</i> spp.	chitons	
<i>Muricea californica</i>	golden gorgonian	
<i>Muricea fruticosa</i>	brown gorgonian	
<i>Mytilus californianus</i>	California mussel	
<i>Mytilus galloprovincialis</i>	saltwater mussel	
<i>Mytilus trossulus</i>	foolish mussel	
<i>Norrisia norrisi</i>	Norris' top snail	
<i>Nucella emarginata</i>	rock whelk	
<i>Nucella ostrina</i>	whelk	
<i>Nuttallina</i> spp.	chitons	
<i>Ocenebra circumtexta</i>	sea snail	
<i>Olivella biplicata</i>	purple olive snails	
<i>Ophioplocus esmarki</i>	smooth brittle star	
<i>Ophiothrix</i> spp.	brittle star	
<i>Ophlitaspongia pennata</i>	red encrusting sponge	
<i>Orthasterias koehleri</i>	rainbow star, redbanded star	
<i>Pachycerianthus fimbriatus</i>	tube anemone	
<i>Pachygrapsus crassipes</i>	striped shore crab	
<i>Pagurus hirsutiussculus</i>	hairy hermit crab	
<i>Pagurus samuelis</i>	bluebanded hermit crab	
<i>Panulirus interruptus</i>	California spiny lobster	
<i>Paracyathus stearnsi</i>	brown cup coral	
<i>Parapholas californica</i>	scale-sided piddock clam	
<i>Parastichopus californicus</i>	California sea cucumber	
<i>Parastichopus parvimensis</i>	warty sea cucumber	
<i>Petalonchus montereyensis</i>	Monterey wormsnailed	
<i>Phragmatopoma californica</i>	sandcastle worm	
<i>Physa virgata</i>	pouch snail	
<i>Pisaster brevispinus</i>	short-spined star, pink sea star	
<i>Pisaster giganteus</i>	giant spined star	
<i>Pisaster ochraceous</i>	ochre sea star	
<i>Pista elongate</i>	worm	
<i>Pollicipes polymerus</i>	gooseneck barnacle	
<i>Porifera</i> spp.	sponges	
<i>Pseudochama exogyra</i>	Pacific jewelbox	
<i>Pseudocnus</i> spp.	sea cucumber	
<i>Pseudocnus</i> spp.	tar spot sea cucumber	
<i>Pteriomorpha</i>	mussel	
<i>Pugettia</i> spp.	kelp crab	
<i>Pycnopodia helianthoides</i>	sunflower star	
<i>Randallia ornata</i>	purple globe crab	
<i>Sabellariidae</i>	honeycomb worms	
<i>Salmacina tribranchiata</i>	fragile tube worm	

Table E-9. Marine Invertebrates.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Semibalanus cariosus</i>	thatched barnacle	
<i>Septifer</i> spp.	sand mussel	
<i>Serpula vermicularis</i>	red tube worm	
<i>Serpulorbis squamigerus</i>	scaled wormsnaill	
<i>Spirobranchus spinosus</i>	Christmas tree worm	
<i>Spirorbis</i> spp.	spiral tube worm	
<i>Strongylocentrotus franciscanus</i>	red sea urchin	
<i>Strongylocentrotus purpuratus</i>	purple sea urchin	
<i>Styela montereyensis</i>	long-stalked sea squirt	
<i>Styланtheса porphyra</i>	encrusting hydrocoral	
<i>Stylaster californica</i>	purple hydrocoral, California hydrocoral	
<i>Tegula aureotincta</i>	sea snail, tegula snail	
<i>Tegula eiseni</i>	western banded tegula snail	
<i>Tegula funebris</i>	black turban snail	
<i>Tethya aurantia</i>	orange puffball sponge	
<i>Tetraclita rubescens</i>	pink acorn barnacle	
<i>Tivella stultorum</i>	Pismo clams	
<i>Tridacna crocea</i>	boring clam	
<i>Trivia californica</i>	California trivia, coffee bean trivia	
<i>Urticina lofotensis</i>	whitespotted rose anemone	
<i>Urticina piscivora</i>	fish-eating anemone	
<i>Urticina</i> sp.	anemone	

## 1. Sources:

Daniel Pondella, Vantuna Research Group, subtidal surveys conducted as part of the Southern California Coastal Water Research Project's BIGHT '08 program (SCCWRP 2008).

Merkel & Associates, Inc. (MA&I). 2007. Naval Base Ventura County, San Nicolas Island Area of Special Biological Significance Biological Survey Report.

Pete Raimondi, UCSC, PISCO intertidal surveys conducted as part of the ASBS storm water discharge exemption process (2007-2009). As referenced in MA&I 2007.

Ian Taniguchi, CDFG, pers. comm.

John Ugoretz, NAVAIR marine biologist, pers. comm.

Table E-10. Marine Fishes.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Alloclinus holderi</i>	island kelpfish	
<i>Artedius lateralis</i>	smoothhead sculpin	
<i>Atractoscion nobilis</i>	white seabass	
<i>Aulorhynchus flavidus</i>	tubesnout	
<i>Brachyistius frenatus</i>	kelp perch	
<i>Caulolatilus princeps</i>	ocean whitefish	
<i>Cephaloscyllium ventriosum</i>	swell shark	
<i>Chromis punctipinnis</i>	blacksmith	
<i>Clinocottus analis</i>	woolly sculpin	
<i>Embiotoca jacksoni</i>	black surfperch	
<i>Embiotoca lateralis</i>	striped seaperch	
<i>Girella nigricans</i>	opaleye	
<i>Gymnothorax mordax</i>	California moray eel	
<i>Halichoeres semicinctus</i>	rock wrasse	
<i>Heterodontus francisci</i>	horn shark	
<i>Heterostichus rostratus</i>	giant kelpfish	
<i>Hypsurus caryi</i>	rainbow seaperch	
<i>Hypsypops rubicundus</i>	garibaldi	
<i>Medialuna californiensis</i>	halfmoon	
<i>Myliobatis californica</i>	bat ray	
<i>Ophiodon elongatus</i>	lingcod	
<i>Orthonopias triacis</i>	snubnose sculpin	
<i>Oxyjulis californica</i>	señorita	
<i>Oxylebius pictus</i>	painted greenling	
<i>Paralabrax clathratus</i>	kelp bass, calico bass	
<i>Paralichthys californicus</i>	California halibut	
<i>Phanerodon furcatus</i>	white seaperch	
<i>Pleuronichthys ritteri</i>	spotted turbot	
<i>Rhacochilus (damalichthys) vacca</i>	pile perch	



Table E-10. Marine Fishes.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Rhacochilus toxotes</i>	rubberlip seaperch	
<i>Rhinogobiops (coryphopterus) nicholsii</i>	blackeye goby	
<i>Scorpaena guttata</i>	California scorpionfish, sculpin	
<i>Scorpaenichthys marmoratus</i>	cabezon	
<i>Sebastes atrovirens</i>	kelp rockfish	
<i>Sebastes auriculatus</i>	brown rockfish	
<i>Sebastes carnatus</i>	gopher rockfish	
<i>Sebastes caurinus</i>	copper rockfish	
<i>Sebastes chrysomelas</i>	black and yellow rockfish	
<i>Sebastes dallii</i>	calico rockfish	
<i>Sebastes levis</i>	cowcod	Federally overfished
<i>Sebastes miniatus</i>	vermillion rockfish	
<i>Sebastes mystinus</i>	blue rockfish	
<i>Sebastes rastrelliger</i>	grass rockfish	
<i>Sebastes serranoides</i>	olive rockfish	
<i>Semicossyphus pulcher</i>	California sheephead	
<i>Seriola lalandi</i>	yellowtail	
<i>Sphyræna argentea</i>	Pacific barracuda	
<i>Stereolepis gigas</i>	giant sea bass	
<i>Torpedo californica</i>	torpedo ray, electric ray	
<i>Trachurus symmetricus</i>	leopard shark	
<i>Zalembius rosaceus</i>	pink seaperch	

## 1. Sources:

Biogeography of the nearshore rocky-reef fishes at the southern and Baja California islands, Daniel J. Pondella II, Brooke E. Gintert, Jana R. Cobb and Larry G. Allen, *Journal of Biogeography (J. Biogeogr.)* (2005) 32, 187-201

Merkel & Associates, Inc, Naval Base Ventura County, San Nicolas Island Area of Special Biological Significance Biological Survey Report (2007)

John Ugoretz, NAVAIR marine biologist, *pers. comm.*

Table E-11. Pinnipeds and Fissiped.<sup>1</sup>

Species Name	Common Name	Status (if any)
<i>Zalophus californianus</i>	California sea lion	MMPA protected
<i>Mirounga angustirostris</i>	northern elephant seal	MMPA protected
<i>Phoca vitulina richardii</i>	Pacific harbor seal	MMPA protected
<i>Arctocephalus townsendi</i>	Guadalupe fur seal	FT, MMPA protected
<i>Enhydra lutris nereis</i>	southern sea otter	FT*, MMPA protected

## 1. Sources: (NAWCWD 2002)