

## LIMANTOUR ESTERO: THE DUNES, SANDSPIT, SALTMARSHES AND NEARBY AREA

The Information here presented from Marin CNPS field trip reports of Aug. 23, 1978; Oct. 4, 1987; 22 Oct 2006, and 28 Oct. 2008, 25 July 2010; 13th August 2011, last update June 2016, by Doreen Smith.

Plants of sandy beach, dunes, coastal bluffs, saltmarsh and fresh-water marsh habitats can be found at this site.

## AGAVACEAE (AGAVE FAMILY)

*Chlorogalum pomeridianum* var. *divaricatum* Coastal Strawlily

## AIZOACEAE (FIG-MARIGOLD FAMILY)

*Carpobrotus chilensis* Short-leaved Sea Fig \*

*Carpobrotus edulis* Pale-flowered Hottentot Fig \*

## ALISMATACEAE (WATER PLANTAIN FAMILY)

*Alisma triviale* White Water-Plantain

## ANACARDIACEAE (SUMAC FAMILY)

*Toxicodendron diversilobum* Poison Oak

## APIACEAE (PARSLEY FAMILY)

*Conium maculatum* Poison Hemlock \*

*Daucus carota* Carrot \*

*Eryngium armatum* Coyote Thistle

*Foeniculum vulgare* Sweet Fennel \*

*Heracleum maximum* Cow Parsnip

*Hydrocotyle ranunculoides* Marsh Pennywort

*Ligusticum apiifolium* Lovage

*Oenanthe sarmentosa* Water Parsley

*Perideridia kelloggii* Kellogg's Yampah

*Sanicula arctopoides* Footsteps-of-Spring

*Sanicula crassicaulis* Pacific Sanicle, Snakeroot

## ASTERACEAE (ASTER FAMILY)

*Achillea millefolium* Yarrow

*Agoseris apargioides* var. *eastwoodiae* Dune Dandelion

*Ambrosia chamissonis* Silver Beach-bur

*Anaphalis margaritacea* Pearly Everlasting

*Artemisia californica* California Sagebrush

*Artemisia douglasiana* California Mugwort

*Artemisia pycnocephala* Beach Sagebrush

*Baccharis pilularis* Coyote Brush

*Carduus pycnocephalus* Italian Thistle \*

*Cirsium vulgare* Bull Thistle \*

*Conyza canadensis* Rayed Horseweed

*Cotula coronopifolia* Brass Buttons \*

*Deinandra corymbosa* Fragrant Tarplant

*Erigeron glaucus* Seaside Daisy

*Eriophyllum lanatum* var. *arachnoideum* Woolly Sunflower

*Gamochaeta ustulata* Silver-leaf Cudweed

*Grindelia stricta* var. *angustifolia* Bay Saltmarsh Gumplant

*Grindelia stricta* var. *platyphylla* Dunes Gumplant

*Helenium puberulum* Sneezeweed, Rosilla

*Helminthotheca echioides* Bristly Ox-tongue \*

*Hemizonia congesta* ssp. *lutescens* Yellow Hayfield Tarplant

*Hypochaeris glabra* Smooth Cat's-ear \*

*Hypochaeris radicata* Hairy Cat's-ear \*

*Jaumea carnosa* Fleshy Jaumea

Lactuca saligna	Willow-leaf Lettuce	*
Leucanthemum vulgare	Ox-eye Daisy	*
Madia sativa	Tarplant	
Pseudognaphalium californicum	California Everlasting	
Pseudognaphalium luteoalbum	Weedy Cudweed	*
Pseudognaphalium stramineum	Cotton-batting Plant	
Senecio glomerata	Lobed-leaf Australian Fireweed	*
Senecio minima	Australian Fireweed	*
Solidago elongata	Canada Goldenrod	
Solidago spathulata	Spoon-leaved Goldenrod	
Sonchus oleraceus	Sow-thistle	*
Symphotrichum chilense	Coast Aster	
Wyethia angustifolia	Narrow-leaf Mule-ears	
<b>AZOLLACEAE (MOSQUITO FERN FAMILY)</b>		
Azolla filiculoides	Mosquito Fern	
<b>BETULACEAE (BIRCH FAMILY)</b>		
Alnus rubra	Red Alder	
Corylus cornuta ssp. californica	Hazelnut	
<b>BORAGINACEAE (BORAGE FAMILY)</b>		
Amsinckia spectabilis var. spectabilis	Coast Fiddleneck	
Cryptantha leiocarpa	Sand-flat Cryptantha	
Phacelia californica	California Perennial Phacelia	
Phacelia malvifolia	Stinging Phacelia	
<b>BRASSICACEAE (MUSTARD FAMILY)</b>		
Cakile maritima	Sea Rocket	*
Cardamine californica "var. integrifolia"	Meadow Milkmaids	
Erysimum concinnum	White Wallflower	
Hirschfeldia incana	Summer Mustard	*
Nasturtium officinale	Watercress	
Raphanus sativus	Wild Radish	*
<b>CAPRIFOLIACEAE (HONEYSUCKLE FAMILY)</b>		
Lonicera involucrata var. ledebourii	Twinberry Honeysuckle	
Symphoricarpos albus var. laevigatus	Bush Snowberry	
<b>CARYOPHYLLACEAE (PINK FAMILY)</b>		
Cardionema ramosissimum	Spiny Sand Mat	
Silene gallica	Windmill Pink	*
Silene scouleri ssp. scouleri	Coastal Catchfly	
Spergularia media	White Saltmarsh Spurrey	
Spergularia rubra	Common Pink Spurrey	*
Stellaria littoralis	Shore Chickweed	
<b>CHENOPODIACEAE (GOOSEFOOT FAMILY)</b>		
Atriplex californica	Coastal Goosefoot	s
Atriplex leucophylla	Creeping Saltbush	
Atriplex prostrata	Spearscale	
Dysphania ambrosoides	Mexican Tea	*
Salicornia pacifica	Pacific Pickleweed	
<b>CONVOLVULACEAE (BINDWEED FAMILY)</b>		
Calystegia purpurata ssp. purpurata	Coastal Morning-glory	
Calystegia soldanella	Beach Morning-glory	
Dichondra donnelliana	Pony's Foot	

<i>Cuscuta pacifica</i>	Saltmarsh Dodder	
<b>CRASSULACEAE (STONECROP FAMILY)</b>		
<i>Crassula connata</i>	Sand Pigmy-weed	
<i>Dudleya farinosa</i>	Coastal Rock Lettuce	
<b>CUCURBITACEAE (CUCUMBER FAMILY)</b>		
<i>Marah fabacea</i>	Green-flowered Manroot	
<b>CUPRESSACEAE (CYPRESS FAMILY)</b>		
<i>Hesperocyparis macrocarpa</i>	Monterey cypress	*
<b>CYPERACEAE (SEDGE FAMILY)</b>		
<i>Bolboschoenus maritimus</i>	Saltmarsh Bulrush	
<i>Carex obnupta</i>	Common Sedge	
<i>Cyperus eragrostis</i>	Umbrella Sedge	
<i>Eleocharis macrostachya</i>	Large Spikerush	
<i>Eleocharis pachycarpa</i>	Slender Perennial Spikerush	*
<i>Isolepis cernua</i>	Dwarf Sedge	
<i>Schoenoplectus acutus</i> var. <i>occidentalis</i>	Common Tule	
<i>Schoenoplectus californicus</i>	California Tule	
<i>Scirpus microcarpus</i>	Broad-leafed Bulrush	
<b>DENNSTAEDTIACEAE (BRACKEN FERN FAMILY)</b>		
<i>Pteridium aquilinum</i> var. <i>pubescens</i>	Western Brackenfern	
<b>DRYOPTERIDACEAE (WOOD FERN FAMILY)</b>		
<i>Athyrium filix-femina</i> var. <i>cyclosorum</i>	Ladyfern	
<i>Dryopteris arguta</i>	Common Woodfern	
<i>Polystichum munitum</i>	Common Swordfern	
<b>EQUISETACEAE (HORSETAIL FAMILY)</b>		
<i>Equisetum arvense</i>	Marsh Horsetail	
<b>ERICACEAE (HEATHER FAMILY)</b>		
<i>Vaccinium ovatum</i>	Huckleberry	
<b>FABACEAE (BEAN FAMILY)</b>		
<i>Acmispon glaber</i> var. <i>glaber</i>	Prostrate Deerweed	
<i>Acmispon heermannii</i> var. <i>orbicularis</i>	Sand-flat Lotus	
<i>Acmispon junceus</i> var. <i>junceus</i>	Coastal Headland Lotus	
<i>Acmispon parviflorus</i>	Small-flowered Lotus	
<i>Hosackia gracilis</i>	Coast Lotus, Witches' Teeth	LIST4.3
<i>Lathyrus angulatus</i>	Small Sweetpea	*
<i>Lathyrus latifolius</i>	Everlasting Pea	*
<i>Lathyrus littoralis</i>	Beach Pea	
<i>Lathyrus vestitus</i> var. <i>vestitus</i>	Hillside Pea	
<i>Lotus tenuis</i>	Birdsfoot Trefoil	*
<i>Lupinus arboreus</i>	Yellow Bush Lupine	
<i>Lupinus propinquus</i>	Blue Bush Lupine	
<i>Lupinus variicolor</i>	Coastal-Prairie Lupine	
<i>Medicago lupulina</i>	Black Medic (5/29/2013)	*
<i>Trifolium barbigerum</i>	Bearded Clover	
<i>Trifolium dubium</i>	Shamrock, Small Hopclover	*
<i>Trifolium wormskioldii</i>	Cow Clover	
<i>Vicia americana</i> var. <i>americana</i>	American Vetch	
<i>Vicia sativa</i> ssp. <i>nigra</i>	Narrow-leaved Vetch	*
<i>Vicia tetrasperma</i>	Small-flowered Blue Vetch	*

FRANKENIACEAE (FRANKENIA FAMILY)		
<i>Frankenia salina</i>	Alkali Heath	
GERANIACEAE (GERANIUM FAMILY)		
<i>Geranium core-core</i>	Pink Geranium	*
<i>Geranium solanderi</i>	Pale-pink Geranium (hairy) 5/2013	*
<i>Pelargonium grossularioides</i>	Gooseberry-leaved Pelargonium	*
GROSSULARIACEAE (GOOSEBERRY FAMILY)		
<i>Ribes sanguineum</i> var. <i>glutinosum</i>	Pink Flowering Currant	
HYPERICACEAE (ST. JOHN'S WORT FAMILY)		
<i>Hypericum anagalloides</i>	Tinker's Penny	
IRIDACEAE (IRIS FAMILY)		
<i>Iris douglasiana</i>	Douglas' Iris	
<i>Sisyrinchium bellum</i>	Blue-eyed Grass	
JUNCACEAE (RUSH FAMILY)		
<i>Juncus bufonius</i> var. <i>bufonius</i>	Toad Rush	
<i>Juncus hesperius</i> (was <i>effusus</i> var. <i>brunneus</i> )	Green Rush	
<i>Juncus lescurii</i>	Saltmarsh Rush	
<i>Juncus occidentalis</i>	Western Rush	
<i>Juncus patens</i>	Blue-green Rush	
JUNCAGINACEAE (ARROWGRASS FAMILY)		
<i>Triglochin concinna</i>	Small Arrow-grass	
<i>Triglochin maritima</i>	Tall Arrowgrass	
LAMIACEAE (MINT FAMILY)		
<i>Clinopodium douglasii</i>	Yerba Buena	
<i>Mentha canadensis</i>	Marsh Mint	
<i>Monardella villosa</i> ssp. <i>franciscana</i>	Hairy Coyote Mint	
<i>Prunella vulgaris</i> var. <i>lanceolata</i>	Selfheal	
<i>Stachys rigida</i> var. <i>quercetorum</i>	Hedge-nettle, Woundwort	
LEMNACEAE (DUCKWEED FAMILY)		
<i>Lemna</i> sp.	Duckweed	
LILIACEAE (LILY FAMILY)		
<i>Amaryllis belladonna</i>	Belladonna Lily, Naked Ladies	*
<i>Calochortus tolmiei</i>	Pussy-ears Star Tulip	
<i>Fritillaria affinis</i> "var. <i>tristulis</i> "	Pt. Reyes Chocolate Lily	LIST 1B.1
<i>Fritillaria liliacea</i>	Fragrant Fritillary	LIST 1B.2
LINACEAE (FLAX FAMILY)		
<i>Linum bienne</i>	Pale Flax	*
LYTHRACEAE (LOOSESTRIFE FAMILY)		
<i>Lythrum hyssopifolium</i>	Loosestrife, Grass-poly	*
MALVACEAE (MALLOW FAMILY)		
<i>Sidalcea malviflora</i> ssp. <i>malviflora</i>	Dwarf Checker-bloom	
MONTIACEAE (MINER'S-LETTUCE FAMILY)		
<i>Calandrinia menziesii</i>	Red Maids	

Claytonia perfoliata	Miners Lettuce	
<b>MYRICACEAE (BAYBERRY FAMILY)</b>		
Morella californica	California Wax-myrtle	
<b>MYRSINACEAE (MYRSINE FAMILY)</b>		
Anagallis arvensis	Scarlet and/or Blue Pimpernel	*
<b>NYCTAGINACEAE (FOUR-O'CLOCK FAMILY)</b>		
Abronia latifolia	Yellow Sand-verbena	
Abronia umbellata var. breviflora	Pink Sand-verbena (2 locations)	LIST 1B.1
<b>ONAGRACEAE (EVENING PRIMROSE FAMILY)</b>		
Camissonia contorta var. strigulosa	Small Annual Suncup	
Camissoniopsis cheiranthifolia	Beach Primrose	
Epilobium ciliatum ssp. watsonii	Coastal Willowherb	
Taraxia ovata	Grassland Sun-cups	
<b>ORCHIDACEAE (ORCHID FAMILY)</b>		
Piperia elegans ssp. elegans	Coastal Rein Orchid	
Piperia elongata	Green Rein Orchid	
Spiranthes romanzoffiana	Hooded Ladies' Tresses	
<b>OROBANCHACEAE (BROOMRAPE FAMILY)</b>		
Castilleja ambigua "ssp. ambigua"	Saltmarsh forma Owl's-clover	LIST 4.2
Castilleja wightii	Wight's Yellow Paintbrush	
Castilleja subinclusa ssp. franciscana	Franciscan Paintbrush	
Chloropyron maritimum var. palustre	Pt. Reyes Bird's-beak	LIST 1B.2
<b>OXALIDACEAE (OXALIS FAMILY)</b>		
Oxalis pilosa	Coastal Yellow Oxalis	
<b>PAPAVERACEAE (POPPY FAMILY)</b>		
Eschscholzia californica	California-poppy	
<b>PHRYMACEAE (LOPSEED FAMILY)</b>		
Mimulus aurantiacus	Sticky Bush Monkeyflower	
Mimulus guttatus	Perennial Yellow Monkeyflower	
<b>PINACEAE (PINE FAMILY)</b>		
Pinus muricata	Bishop Pine	
Pinus radiata	Monterey Pine	*
<b>PLANTAGINACEAE (PLANTAIN FAMILY)</b>		
Linaria canadensis var. texana	Blue Toad Flax	
Plantago lanceolata	Ribwort, English Plantain	*
Plantago maritima "var. juncooides"	Saltmarsh forma Seaside Plantain	
Veronica americana	American Brooklime	
<b>PLUMBAGINACEAE (THRIFT FAMILY)</b>		
Armeria maritima ssp. californica	Sea-pink or Thrift	
Limonium californicum	Western Marsh Rosemary	
<b>POACEAE (GRASS FAMILY)</b>		
Agrostis sp.	Tall Bentgrass	
Agrostis blasdalei	Small Bentgrass	LIST 1B.2
Aira caryophyllea	Silver Hair Grass	*
Ammophila arenaria	Marram Grass	*

<i>Avena barbata</i>	Slim Oat	*
<i>Briza maxima</i>	Rattlesnake Grass	*
<i>Briza minor</i>	Little Rattlesnake Grass	*
<i>Bromus carinatus</i> var. <i>maritimus</i>	Coastal Brome	
<i>Bromus diandrus</i>	Ripgut Brome	*
<i>Bromus hordeaceus</i>	Soft Brome	*
<i>Calamagrostis nutkaensis</i>	Nootka Reed Grass	
<i>Cynosurus echinatus</i>	Dogtail	*
<i>Danthonia californica</i> var. <i>californica</i>	Ca. Oatgrass	
<i>Deschampsia cespitosa</i> ssp. <i>holciformis</i>	Coastal Tufted Hairgrass	
<i>Distichlis spicata</i>	Saltgrass	
<i>Festuca arundinacea</i>	Tall Fescue	*
<i>Festuca bromoides</i>	Brome-like Annual Fescue	*
<i>Festuca californica</i>	California Fescue	
<i>Festuca perennis</i>	Italian Ryegrass	
<i>Holcus lanatus</i>	Velvet Grass	*
<i>Leymus mollis</i> ssp. <i>mollis</i>	Ca. Dune Grass	
<i>Melica torreyana</i>	Slender Melicgrass	
<i>Phalaris aquatica</i>	Harding Grass	*
<i>Poa annua</i>	Annual Bluegrass	*
<i>Spartina foliosa</i>	Pacific Cordgrass	
<i>Stipa pulchra</i>	Purple Needlegrass	
<b>POLEMONIACEAE (GILIA FAMILY)</b>		
<i>Gilia capitata</i> ssp. <i>chamissonis</i>	Blue Coast Gilia	LIST 1B.1
<i>Navarretia squarrosa</i>	Skunkweed	
<b>POLYGALACEAE (MILKWORT FAMILY)</b>		
<i>Polygala californica</i>	Milkwort	
<b>POLYGONACEAE (BUCKWHEAT FAMILY)</b>		
<i>Chorizanthe cuspidata</i> var. <i>villosa</i>	Sand Spineflower	LIST 1B.2
<i>Eriogonum latifolium</i>	Coast Buckwheat	
<i>Persicaria punctata</i>	Glandular Smartweed	
<i>Polygonum marinense</i>	Marin Knotweed (perhaps a weed!)	LIST 3
<i>Polygonum paronychia</i>	Sand Knotweed	
<i>Rumex acetosella</i>	Sheep Sorrel	*
<i>Rumex conglomeratus</i>	Clustered Dock	*
<i>Rumex crassus</i>	Sandy Beach Dock	
<i>Rumex crispus</i>	Curly Dock	*
<b>PTERIDACEAE (BRAKE FERN FAMILY)</b>		
<i>Pentagramma triangularis</i>	Goldback Fern	
<b>RANUNCULACEAE (BUTTERCUP FAMILY)</b>		
<i>Delphinium californicum</i> ssp. <i>californicum</i>	Coastal Scrub Larkspur (poss. extirpated)	
<i>Ranunculus californicus</i>	California Buttercup	
<b>RHAMNACEAE (BUCKTHORN FAMILY)</b>		
<i>Ceanothus thyrsiflorus</i>	Tall Blue Blossom	
<i>Frangula californica</i>	Coffee Berry	
<b>ROSACEAE (ROSE FAMILY)</b>		
<i>Acaena pinnatifida</i> var. <i>californica</i>	Acaena	
<i>Fragaria chiloensis</i>	Beach Strawberry	
<i>Fragaria vesca</i>	Wild Strawberry	

Holodiscus discolor	Ocean-spray
Potentilla anserina ssp. pacifica	Shore Cinquefoil
Drymocallis glandulosa var. wrangeliana	Sticky Cinquefoil
Rosa californica	California Rose
Rubus ursinus	California Blackberry
<b>RUBIACEAE (MADDER FAMILY)</b>	
Galium porrigens var. porrigens	Climbing Bedstraw
<b>SALICACEAE (WILLOW FAMILY)</b>	
Salix lasiolepis "var. lasiolepis"	Arroyo Willow
Salix lasiolepis "var. bigelovii"	Coastal Thicket Willow
<b>SCROPHULARIACEAE (FIGWORT FAMILY)</b>	
Scrophularia californica ssp. californica	Bee-plant
<b>SOLANACEAE (NIGHTSHADE FAMILY)</b>	
Solanum nigrum	Wide-leaved Nightshade
<b>THEMIDACEAE (BRODIAEA FAMILY)</b>	
Brodiaea terrestris ssp. terrestris	Dwarf Brodiaea
Dichelostemma capitatum	Bluedicks
<b>TYPHACEAE (CATTAIL FAMILY)</b>	
Typha latifolia	Broadleaf Cat-tail
<b>URTICACEAE (NETTLE FAMILY)</b>	
Urtica dioica ssp. holosericea	Grey Stinging Nettle
<b>VIOLACEAE (VIOLET FAMILY)</b>	
Viola adunca	Blue Violet
<b>ZOSTERACEAE (EELGRASS FAMILY)</b>	
Phyllospadix torreyi	Surf-grass
Zostera pacifica	Wide-leaf Eelgrass

#### Notes

*	Non- native plants or natives planted out of natural native location.
List 1A	Listed Plants presumed extinct/ extirpated
List 1B	Listed, 2001, in the C.N.P.S. Inventory of Rare & Endangered Plants, highest priority.
List 3	Listed as plants about which more information is needed.
List 4	Listed as plants of limited distribution.