

THE VASCULAR PLANTS OF ISLA SAN MARTIN
BAJA CALIFORNIA, MEXICO

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This list of the vascular plants of Isla San Martin is based mostly on collections or observations by Robert F. Thorne, serving as naturalist on the fishing cruiser Qualifier 105, on three whale-watching expeditions to the west coast and islands of Baja California on January 31-February 6, 1985, February 15-22, 1986, and February 3-10, 1987, and on a biological expedition to this island and Islas Guadalupe and Cedros March 27-April 2, 1988, and by Steven A. Junak also on the last expedition and earlier trips to the Mexican islands in April 1980, June 1983, February 1985, and March 1987. A few taxa not observed on these trips are listed fide R. V. Moran, R. N. Philbrick, or M. R. Benedict. The help of these botanists is greatly appreciated. A preceding * denotes species believed to be introduced on the island. Vouchers are mostly filed at RSA, SBBG, BCMEX, MEXU, and SD.

Elevations vary from sea level to ca. 160 m and the coordinates are approximately lat 30 deg 29 min N and 116 deg 07 min W. This volcanic island is nearly circular in shape and about 1.45 km in area. It lies about 2.7 km off the mainland at Playas de San Quintin. The vegetation is primarily maritime desert scrub on the lava and salt-flat succulent, coastal dune sand plant, and surfweed communities on the fringing salinas, dunes, and tidal rocks.

Aizoaceae

**Mesembryanthemum crystallinum* L.

Alliaceae

Dichelostemma pulchellum (Salisb.) Heller

Asteraceae

Amauria rotundifolia Benth.

Amblyopappus pusillus Hook. & Arn.

Ambrosia chamissonis (Less.) Greene

Coreopsis maritima (Kell.) Hall

Encelia californica Nutt.

Gnaphalium bicolor Bioletti

Microseris lindleyi (DC.) A. Gray [*M. linearifolia* (Nutt.) Sch.Bip.]

Perityle emoryi Torr.

Rafinesquia californica Nutt.

Senecio lyonii A. Gray

**Sonchus oleraceus* L.

**Sonchus tenerrimus* L.

Boraginaceae

Amsinckia inepta Macbr.

Cryptantha intermedia (A. Gray) Greene

Heliotropium curassavicum L. ssp. *oculatum* (Heller) Thorne

Brassicaceae

**Cakile maritima* Scop.

Descurainia pinnata (Walt.) Britt. ssp. *halictorum* (Cockl.) Detl.

Lepidium lasiocarpum Nutt. ex t. & G.

Cactaceae

Bergerocactus emoryi (Engelm.) Britt. & Rose

Echinocereus maritimus (M. E. Jones) K. Schum.

Ferocactus fordii (Orcutt) Britt. & Rose ssp. *fordii*

Mammillaria hutchinsoniana (Gates) Boed.

Myrtillocactus cochal (Orcutt) Britt. & Rose

Opuntia prolifera Engelm.

Stenocereus gummosus (Engelm.) Gibson & Horak

Chenopodiaceae

- Aphanisma blitoides Nutt.
- Arthrocnemum subterminale (Parish) Standl.
- Atriplex julacea S. Wats.
- Atriplex leucophylla (Moq.) D. Dietr.
- Atriplex pacifica A. Nels.
- *Atriplex semibaccata R. Br.
- Atriplex watsonii A. Nels.
- Chenopodium flabellifolium Standl.
- *Chenopodium murale L.
- Salicornia virginica L.
- Suaeda californica S. Wats.

Convolvulaceae

- Calystegia macrostegia (Greene) Brummitt ssp. macrostegia
- Cuscuta californica Hook. & Arn.

Crassulaceae

- Crassula connata (R. & P.) Berger in Engler & Prantl (Tillaea erecta Hook. & Arn.)
- Dudleya anthonyi Rose
- Dudleya anthonyi Rose x D. cultrata Rose
- Dudleya cultrata Rose

Cucurbitaceae

- Marah macrocarpus (Greene) Greene

Euphorbiaceae

- Chamaesyce polycarpa (Benth.) Millsp. var. hirtella (Boiss.) Millsp.
- Euphorbia misera Benth.

Fabaceae

- Lotus scoparius (Nutt. in T. & G.) Ottley ssp. watsonii (V. & R.) Greene [L. watsonii (V. & R.) Greene]
- Lupinus sparsiflorus Benth. ssp. pondii (Greene) Dziek. & Dunn

Geraniaceae

- *Erodium cicutarium (L.) L'Her. ex Ait.
- *Erodium moschatum (L.) L'Her.

Hydrophyllaceae

- Phacelia ixodes Kell.
- Phacelia parryi Torr.
- Pholistoma racemosum (Nutt.) Const.

Malvaceae

- *Malva parviflora L.

Nyctaginaceae

- Abronia maritima Nutt.
- Mirabilis californica A. Gray var. cedrosensis (Standl.) Macbr.

Onagraceae

- Camissonia californica (Nutt. ex T. & G.) Raven
- Camissonia cheiranthifolia (Hornem. ex Spreng.) Raimann ssp. suffruticosa (S. Wats.) Raven

Papaveraceae

- Eschscholzia ramosa Greene
- Stylomecon heterophylla (Benth.) Tayl.

Poaceae

- *Avena fatua L.
- Bromus arizonicus (Shear) Stebbins
- *Bromus rubens L.
- Bromus trinii Desv. in Gay
- Distichlis spicata (L.) Greene ssp. stolonifera (Beetle) ined.
- *Hordeum leporinum Link
- *Lamarckia aurea (L.) Moench.
- Melica imperfecta Trin.
- Monanthochloe littoralis Engelm.
- Muhlenbergia microsperma (DC.) Kunth
- *Triticum aestivum L.
- Vulpia microstachys (Nutt.) Munro ex Benth. var. pauciflora (Scribn. ex Beal) Lonard & Gould
- Vulpia octoflora (Walt.) Rydb. var. hirtella (Piper) Henr. (Festuca octoflora Walt. ssp. hirtella Piper)

Polygonaceae
 Pterostegia drymarioides F. & M.
 Portulacaceae
 Calandrinia ciliata (R. & P.) DC. var. *menziesii* (Hook.) Macbr.
 Calandrinia maritima Nutt. in T. & G.
 Claytonia perfoliata Donn.
 Rubiaceae
 **Galium aparine* L.
 Scrophulariaceae
 Antirrhinum nuttallianum Benth. in DC. ssp. *subsessile* D. Thomps.
 Solanaceae
 Datura wrightii Regel (D. *inoxia* Mill.)
 Lycium andersonii A. Gray
 Lycium brevipes Benth.
 Lycium californicum Nutt. ex T. & G.
 Nicotiana clevelandii A. Gray
 **Solanum americanum* Mill.
 Solanum palmeri Vasey & Rose
 Urticaceae
 Hesperocnide tenella Torr.
 Parietaria hespera Hinton ssp. *hespera* (P. *floridana* auct.)
 Zosteraceae
 Phyllospadix scouleri Hook.
 Phyllospadix torreyi S. Wats.
 Zostera marina L.

Updated 27 May 1988

FIELD TRIPS

February 11 (Saturday) 9:30AM to dusk. Fungus foray, Rancho Mission Viejo. Walt Wright will lead this field trip to look at plants (vascular) and fungi in the oak woodlands found on the Rancho Mission Viejo. Take the San Diego freeway (5) south, to the Ortega Highway (74) and go east about 5 miles. We will meet at the large yellow gates on the south side of Ortega Hwy. (Cristianitos Rd.), which is about 1/4 mi. before (west) the entrance of Caspers Park. For additional information call the LA Mycological Society at (213) 292-1900.

February 12 (Sunday) 10:00 AM to 5:00 PM. Mycological Faire.

The LA Mycological society will hold a series of demonstrations, displays and lectures on common fungi of southern California at the Orange County Natural History Museum. To reach the Museum take the San Diego Freeway (405) to Jamboree and turn right (south). Continue south to Eastbluff Dr. Turn left on Eastbluff, go past Corona del Mar high school to Vista del Oro. Turn right and look for the Museum on the left (2627 Vista del Oro). For additional information call the LA Mycological Society at (213) 292-1900.



Thorne, Robert F. and Junak, Steven A . 1989. "The Vascular Plants of Isla San Martin, Baja California, Mexico." *Crossosoma* 15(1), 5-7.

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