

PLANTS OF THE NORTHERN CHANNEL ISLANDS WITH HORTICULTURAL POTENTIAL

Island Endemics and/or Distinctive Forms

By Steve Junak and Carol Borenstein

DISTRIBUTION - San Miguel (M); Santa Rosa (R); Santa Cruz (C); Anacapa (A); Baja California mainland (B); other California or Baja California islands (O)

PLANT COMMUNITY - Bishop pine forest (BP); southern coastal dune (CD); coastal sage scrub (CS); island chaparral (Ch); valley & foothill grassland (Gr); southern coastal oak woodland (OW); southern riparian woodland (RW); Torrey pine forest (TP)

LEAF DURATION- drought-deciduous (D); evergreen (E)

BLOOM SEASON - winter (W); spring (SP); summer (S); fall (F)

LIGHT - sun (SU); shade (SH)

SOIL TEXTURE - light (L); heavy (H)

RANGE - coastal (C); inland (I)

PROPAGATION - cuttings (C); division (D); seed, no treatment (SNT); seed, fire treatment (SFT); seed, cold stratification (SCS); seed, scarification treatment (SST)

WATER- see text * - specialty plants for the serious collector

PLANT NAME	Natural Distribution		Horticultural Characteristics								Comments
	Distri- bution	Plant Community	Size (Feet) Height x Width	Leaf Dura- tion	Flower Color	Bloom Season	Light	Soil Tex- ture	Range	Propa- gation	

TREES

<i>Lyonothamnus floribundus</i> ssp. <i>aspleniifolius</i> Santa Cruz Island Ironwood	Ch	R, C, D	25-30 (60) x 20-40	E	White, cream	SP, S	SU	L, H	C, I	SNT	Striking exfoliating bark; likes acidic soil
<i>Pinus torreyana</i> ssp. <i>insularis</i> Island Torrey Pine	TP	R	30-40 (50) x 25-30	E		W, SP	SU	L, H	C, I	SCS	Salt-spray tolerant
<i>Prunus ilicifolia</i> ssp. <i>lyonii</i> Catalina Cherry	Ch	R, C, A, B, O	20-30 (50) x 15-20	E	White	SP	SU, SH	L, H	C, I	SNT, SCS	Useful hedge or screen
<i>Quercus tomentella</i> Island Oak	OW	R, C, A, O	25-40 (80) x 30-50	E		SP	SU, SH	L, H	C, I	SNT	Underutilized and underappreciated
<i>Quercus X macdonaldii</i> (<i>Q. pacifica</i> x <i>Q. lobata</i>) MacDonald Oak	OW	R, C, O	20-30 (40) x 15-30	D		SP	SU, SH	L, H	C	SNT	Of hybrid origin; highly variable

SHRUBS

<i>Adenostoma fasciculatum</i> (prostrate form), including 'Santa Cruz Island' Chamise	Ch	R, C, O	3-4 x 5-7	E	White	SP	SU	L, H	C, I	SFT, C	Low-growing form; erosion control; high flammability; cultivar introduced by UC Santa Cruz
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<i>Arctostaphylos confertiflora</i> Santa Rosa Island Manzanita	Ch, TP	R	4-8 (12) x 4-8	E	White	W, SP	SU	L	C	SFT, C	Very floriferous
<i>Arctostaphylos insularis</i> Santa Cruz Island Manzanita	Ch	R, C	4-8 (12) x 4-8	E	White to pink	W, SP	SU	L, H	C, I	SFT, C	Very floriferous
<i>Arctostaphylos insularis</i> 'Canyon Sparkles' Santa Cruz Island Manzanita	Ch	C	4-8 (12) x 4-10	E	White	W, SP	SU	L, H	C, I	C	Profuse bloom; Santa Barbara Botanic Garden introduction
<i>Arctostaphylos tomentosa</i> ssp. <i>insulicola</i> Island Manzanita	BP, Ch	R, C	To 9 x 7-10	E	White	W, SP	SU	L	C, I	SFT, C	
<i>Arctostaphylos tomentosa</i> ssp. <i>subcordata</i> Subcordate Manzanita	BP, Ch	R, C	3-6 x 6-8	E	White	W, SP	SU	L, H	C, I	SFT, C	Long-lived in cultivation
<i>Arctostaphylos viridissima</i> McMinn's Manzanita	Ch	C	3-8 x 6-10	E	White	W, SP	SU	L, H	C, I	SFT, C	Long-lived in cultivation
<i>Arctostaphylos viridissima</i> 'White Cloud'	Ch	C	4-6 x 4-6	E	white	W	SU, SH	L	C	C	Large, profuse blooms; Regional Parks Botanic Garden introduction
<i>Artemisia californica</i> 'Canyon Gray' Coastal Sagebrush	CS	M	1-2 x 5-8 (10)	D	Insignificant	F	SU	L, H	C, I	C	Low mounding form; Santa Barbara Botanic Garden introduction
<i>Astragalus miguelensis</i> San Miguel Island Locoweed	CD, CS	M, R, C, A, O	1/2 - 1-1/2 x 2-5	E	Yellowish	SP	SU	L	C	SNT	Salt-spray tolerant subshrub; difficult
<i>Berberis (Mahonia) pinnata</i> ssp. <i>insularis</i> , including 'Schnilemoon' Island Barberry	BP, Ch, OW	R, C, A	6-9	E	Yellow	SP	SU, SH	L, H	C, I	SCS, C, D	Fruit attractive to birds; lacks spines; rhizomatous; 'Schnilemoon' introduced by UC Santa Cruz
<i>Castilleja lanata</i> ssp. <i>hololeuca</i> Island Paintbrush	Ch, CS	M, R, C, A	1-3 x 1/2 - 2-1/2	E	Red	SP, S	SU	L	C	C	Densely tomentose foliage; difficult; semi-parasitic
<i>Ceanothus arboreus</i> Island Ceanothus	Ch	R, C, O	4-15 (25) x 10-30	E	Blue	SP	SU	L, H	C, I	SCS & SST, C	Variable flower color; parent of many cultivars
<i>Dendromecon rigida</i> ssp. <i>harfordii</i> Island Bush Poppy	Ch	R, C, O	6-10 x 6-10	E	Yellow	Some flowers year- round	SU	L, H	C, I	C	Best in well-drained soil; larger flowers & foliage than mainland species
<i>Eriogonum arborescens</i> Santa Cruz Island Buckwheat	Ch, CS	R, C, A	2-4 x 3-5	E	Cream to pink	S, F	SU	L, H	C, I	SNT	Informal hedge
<i>Eriogonum grande</i> var. <i>grande</i> Island Buckwheat	Ch, CS	R, C, A	2-4 x 2-4	E	White to light pink	S, F	SU	L, H	C, I	SNT	Subshrub

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<i>Eriogonum grande</i> var. <i>rubescens</i> Red-flowered Buckwheat	CS	M, R, C	1-1-1/2 x 1-2	E	Light pink to rose	S, F	SU	L,H	C, I	SNT	Short-lived subshrub; profuse bloomer; best in well-drained soil
<i>Erysimum insulare</i> Island Wallflower	CD, CS	M, R, C	1-2 x 1-2	D	Yellow	SP	SU	L	C	SNT	Fragrant flowers; short-lived subshrub
<i>Galium angustifolium</i> ssp. <i>foliosum</i> * Narrow-leaved Bedstraw	Ch, CS	R, C, A	1-2 x 2-3	E	Cream, greenish- yellow	SP	SU	L	C		Showy fruits; subshrub
<i>Galium buxifolium</i> * Sea-cliff Bedstraw	CS	M, R, C	To 1 x 1	E	Cream, greenish- yellow	SP, S	SH	L	C		Rock garden plant; subshrub
<i>Garrya</i> aff. <i>veatchii</i> , including 'Tsiwin' Island Silktassel	Ch	C	8-15 x 6-8	E	Silvery white	W	SU, SH	L, H	C	SCS	Large bifacial leaves; 'Tsiwin' introduced by UC Santa Cruz
<i>Hazardia detonsa</i> (<i>Haplopappus d.</i>) Northern Island Hazardia	CS	R, C, A	3-4 x 2-4	E	Yellow	S, F	SU	L, H	C, I	C	Striking white foliage
<i>Helianthemum greenei</i> Island Rush-rose	Ch, CS	R, C	1-2 x 1-3	E	Yellow	SP	SU	L	C, I	SNT	Rock garden subshrub; difficult
<i>Isocoma menziesii</i> var. <i>sedoides</i> (<i>Haplopappus venetus</i> var. <i>sedoides</i>)	CD, CS	M, R, C, A	1/2-2 x 2-4	E	Yellow	S, F	SU	L	C	SNT, C	Profuse bloomer; salt-spray tolerant
<i>Lavatera assurgentiflora</i> ssp. <i>assurgentiflora</i> Northern Island Tree Mallow	CS	M, R, A	6-10 x 6-15	E	Rose-purple	All year	SU	L, H	C, I	SNT, C	Salt-spray tolerant; some insect problems
<i>Lotus argophyllus</i> var. <i>niveus</i> Santa Cruz Island Silver Lotus	CS	C	1-2 x 2-4	E	Yellow/red	SP, S	SU	L	C, I	SST, C	Beautiful silvery mat; difficult subshrub
<i>Lotus dendroideus</i> var. <i>dendroideus</i> Island Deerweed	Ch, CS	R, C, A	1-4 x 1-3	E	Yellow/red	SP, S	SU	L	C, I	SST, C	Short-lived subshrub
<i>Lotus dendroideus</i> var. <i>veatchii</i> San Miguel Deerweed	CS	M, B	1-4 x 1-2	E	Yellow/red	SP, S	SU	L	C, I	SST, C	Short-lived subshrub
<i>Lotus grandiflorus</i> (island form) Chaparral Lotus	Ch, CS	R, C	1/2-2 x 2-4	D	Cream/red	SP	SU, SH	L	C, I	SST	Short-lived subshrub; beautiful flowers
<i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i> * Santa Cruz Island Bush Mallow	CS	C	3-4	E	Pink	S	SU	L, H	C, I	C, D	Rare! Rhizomatous

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<i>Mimulus flemingii</i> Island Monkeyflower	BP, Ch, CS	R, C, A	1/2-2 x 1-2	D	Orange-red	SP, S	SU	L, H	C	SNT, C	Hybridizes with <i>M. longiflorus</i> ; subshrub
<i>Rhamnus pirifolia</i> Island Redberry	Ch, CS	R, C	8-15 x 8-15	E	Greenish- yellow	SP, S	SU	L, H	C, I	SNT, SCS	Leaves glossy
<i>Ribes thacherianum</i> * Santa Cruz Island Gooseberry	BP, OW, RW	C	3-5 4-5	D	Pinkish white	SP	SU, SH	L, H	C	SCS, C	Spiny shrub
<i>Salvia brandegei</i> Brandegee's Sage	Ch, CS, TP	R, B	3-5 (8) x 3-5	D	Light blue	SP	SU	L, H	C, I	SNT, C	Aromatic foliage; erosion control
<i>Solanum clokeyi</i> Island Nightshade	Ch, CS	R, C	2-4 x 2-4	D	Purple	W, SP, S	SU	L, H	C, I	SNT, C	Yellow berries; showy flowers

HERBACEOUS

PERENNIALS

<i>Achillea millefolium</i> (Island form) Pink Yarrow	Gr	?????	1-2 x 2+	D	Pink	SP, S	SU	L, H	C, I	SNT, D	Salt spray tolerant; good cut or dried flower; lawn substitute
<i>Arabis hoffmannii</i> * Hoffman's Rock-cress	CS	R, C	1-1/2-2	D	White	SP	SU	L	C	SNT	Rare!
<i>Artemisia douglasiana</i> Mugwort	RW	C	1-1/2-4	D	Creamy white	S, F	SU	L, H	C, I	C, D	Choice form, showy inflorescence; rhizomatous
<i>Castilleja mollis</i> Soft-leaved Indian Paintbrush	CS	R	1-2 x 1	E	Cream to red	SP, S	SU	L	C, I		Needs host plant; difficult
<i>Epilobium (Zauschneria) canum</i> 'El Tigre' Hoary California Fuchsia	Ch, CS	C	1-2 x 1-2	D	Orange- red	S, F	SU	L, H	C, I	C	Decumbent form from Santa Cruz Island; Nevin Smith introduction
<i>Heuchera maxima</i> Island Alum-root	Ch, CS, OW	R, C, A	1-2 x 1-2	E	Creamy- white	SP	SH	L, H	C, I	SNT, C	Effective under oaks
<i>Jepsonia malvifolia</i> * Island Jepsonia	Ch, CS	R, C, O	To 3"	D	White	F, W	SU	L, H	C, I		Ephemeral; container or rock garden plant
<i>Sidalcea malviflora</i> (decumbent form) Checkerbloom	CS, Gr	C		D	Purple-pink	SP	SU SH	L, H	C	SNT, C	Decumbent form from Santa Cruz Island

ANNUAL HERBS

<i>Eschscholzia ramosa</i> Island Poppy	CS, Gr	R, C, O	1/2-1	NA	Yellow-orange	SP	SU	L	C	SNT	Winter-growing annual
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<i>Gilia tenuiflora</i> ssp. <i>hoffmannii</i> * Hoffmann's Slender-flowered Gilia	CD	R	1/2 -1	NA	Pale blue	SP	SU	L	C, I		Winter-growing annual
<i>Thysanocarpus conchuliferus</i> * Santa Cruz Island Lacepod	Ch, OW	C	To 6"	NA	Pink	SP	SU	L, H	C, I		Winter-growing annual

SUCCULENTS

<i>Dudleya blochmaniae</i> ssp. <i>insularis</i> * Santa Rosa Island Live-forever	Gr	R	3-6" x 3"	D	White	SP	SU	L, H	C, I	SNT	Container or rock garden plant
<i>Dudleya candelabrum</i> Candle-holder Dudleya	Ch, CS	M, R, C	To 2 x 2	E	Pale yellow	SP, S	SU	L	C, I	SNT, C	Container or rock garden plant
<i>Dudleya greenei</i> Greene's Dudleya	CS, Gr	M, R, C	To 1-1/2 x 1/2+	E	Pale yellow	SP, S	SU	L	C, I	SNT, C, D	Variable leaf color; container or rock garden plant
<i>Dudleya greenei</i> fma. <i>nana</i> Munchkin Dudleya	Gr	R		E	Pale yellow					SNT, C, D	Diminutive form, synonymous with 'White Sprite'?
<i>Dudleya nesiotica</i> * Santa Cruz Island Live-forever	Gr	C	3-6" x 3"	D	White/ yellow	SP	SU	L, H	C, I	SNT	Container or rock garden plant

GRASSES

<i>Leymus (Elymus) condensatus</i> 'Canyon Prince' Giant Rye	CS, Gr	M	2-3 x 3+	E	5' tan spikes	S	SU	L, H	C, I	D	Glaucous foliage; weakly rhizomatous; Santa Barbara Botanic Garden introduction
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PLANTS OF THE NORTHERN CHANNEL ISLANDS WITH HORTICULTURAL MERIT

GLOSSARY

The following are general definitions to be used as guidelines. Microclimate and soil type must be taken into consideration when selecting plants for a particular site.

I. LEAF DURATION

Drought-deciduous.....a plant that drops some or all of its foliage during the dry season. Some species may remain evergreen during cool foggy summers or with supplemental irrigation.

Evergreen.....a plant that retains its foliage year-round.

II. LIGHT REQUIREMENT

Shade.....filtered sun or eastern exposure; plant does not require direct sun.

Sunfull sun or western exposure.

III. RANGE

Coastal.....plant does better in coastal areas rather than hot interior valleys.

Inlandplant does better with more summer heat than available along the coast

IV. SOIL TEXTURE Please note that some plants that normally grow in light soils will tolerate heavier soils if summer watering is carefully monitored.

Heavysmaller-sized particles (clayey); therefore water holding capacity is high and drainage is slow.

Lightlarger-sized particles (sandy); therefore water holding capacity is low and drainage is rapid.

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