

UNIVERSITY OF CALIFORNIA  
NATURAL RESERVE SYSTEM

**MOTTE RIMROCK RESERVE**

FLORA

The flora of the Motte Rimrock Reserve currently consists of 189 species in 52 families. However, a thorough search on the Reserve has not been done and more species may exist. Twenty-eight (28) species are introduced (non-native). The number of families, genera, and species known to occur on the Reserve are shown below.

	<u>Families</u>	<u>Genera</u>	<u>Species</u>
DIVISION TRACHEOPHYTA	53	139	192
Subdivision LYCOPSIDA	1	1	1
Subdivision PTEROPSIDA	52	138	191
Class Filicæ	2	4	5
Class Coniferae	1	1	1
Class Angiospermae	49	133	185
Subclass Dicotyledones	42	116	161
Subclass Monocotyledones	7	17	24

Largest families represented are Asteraceae (38 species), Poaceae (14 species), Fabaceae (10 species), Scrophulariaceae (10 species), and Boraginaceae (8 species).

The plant species found on the Reserve are listed below. The taxonomic list follows A Flora of Southern California (M) by Philip A. Munz, 1974 and, The Jepson Manual (J), 1993. In addition, a number of species of lower plants, such as moss and liverworts, exist on the Reserve, but have not been identified to species. Voucher specimens for most species are deposited in the herbarium at the University of California, Riverside. A Reserve collection is in progress. Specimens contained in the UCR herbarium are labeled by the letter “x” while those within the Reserve collection are labeled by the letter “m”. Non-native species are marked with an “\*.”

Specimen	<b>DIVISION TRACHEOPHYTA</b>	
	<b>SUBDIVISION LYCOPSIDA</b>	
	Selaginellaceae	
	<i>Selaginella bigelovii</i>	Little Club-Moss M: 14, J:109
	<b>SUBDIVISION PTEROPSIDA</b>	
	<b>CLASS FILICAE</b>	
	Aspidiaceae	
	<i>Dryopteris arguta</i>	Wood Fern M: 19, J: 92
	Pteridaceae	
m	<i>Cheilanthes covillei</i>	Lip Fern M: 26, J:104
x	<i>Cheilanthes newberryi</i>	Cotton-Fern M: 29, J:105
	<i>Pellaea mucronata</i>	Birds-Foot Fern M: 31, J:106
	<i>Pentagramma triangularis</i>	Silver-Backed Fern M: 32, J:108
	<b>CLASS CONIFERAE</b>	
	Cupressaceae	
x	<i>Juniperus californica</i>	California Juniper M: 37, J:114

## Specimen CLASS ANGIOSPERMIAE

## SUBCLASS DICOTYLEDONES

	Anacardiaceae		
x	<i>Malosma laurina</i>	Laurel Sumac	M: 66, J:135
	<i>Rhus trilobata</i>	Skunkbrush	M: 66, J:135
	* <i>Schinus molle</i>	Peruvian Pepper Tree	M: 66, J:136
	<i>Toxicodendron diversilobum</i>	Western Poison Oak	M: 67, J:136
	Apiaceae		
x	<i>Apiastrum angustifolium</i>	Wild Celery	M: 71, J:141
	Asclepiadaceae		
x	<i>Sarcostemma cynanchoides</i>	Climbing Milkweed	M: 94, J:174
	Asteraceae		
x	<i>Acourtia microcephala</i>	Sacapellote	M:214, J:189
x	<i>Ancistrocarphus filagineus</i>	Woolly Fishhooks	M:232, J:196
m	<i>Artemisia californica</i>	California Sagebrush	M:117, J:203
x	<i>Artemisia dracunculus</i>	Tarragon	M:117, J:204
x	<i>Baccharis salicifolia</i>	Mule Fat	M:124, J:210
x	<i>Bebbia juncea</i>	Sweet Bush	M:127, J:213
	<i>Brickellia californica</i>	California Bricklebush	M:129, J:216
m	<i>Centaurea melitensis</i>	Star Thistle	M:135, J:
x	<i>Chamomilla suaveolens</i>	Pineapple Weed	M:210, J:228
x	* <i>Cirsium vulgare</i>	Bull Thistle	M:148, J:239
x	<i>Conyza canadensis</i>	Horseweed	M:149, J:240
	<i>Encelia californica</i>	Bush-Sunflower	M:158, J:249
x	<i>Encelia farinosa</i>	Brittlebush	M:158, J:249
x	<i>Eriophyllum confertiflorum</i>	Golden-Yarrow	M:163, J:264
x	<i>Eriophyllum multicaule</i>	Many-stem Woolly Daisy	M:164, J:266
x	<i>Filago californica</i>	Narrow-Leaved Fluffweed	M:166, J:268
	* <i>Filago gallica</i>		M:166, J:268
	<i>Gnaphalium bicolor</i>	Bicolored-Leaf Cudweed	M:170, J:271
x	<i>Gnaphalium californicum</i>	California Everlasting	M:170, J:271
x	* <i>Gnaphalium luteo-album</i>		M:171, J:271
x	<i>Gnaphalium palustre</i>	Lowland Cudweed	M:171, J:271
x m	<i>Gutierrezia sarothrae</i>	Matchweed	M:174, J:275
x m	<i>Helianthus annuus</i>	Common Sunflower	M:183, J:278
x m	<i>Helianthus gracilentus</i>	Slender Sunflower	M:183, J:278
x	<i>Hemizonia paniculata</i>	Tarweed	M:187, J:283
x	* <i>Hypochaeris glabra</i>	Smooth Cat's-Ear	M:195, J:294
	<i>Isocoma menziesii</i>	Coastal Goldenbush	M:181, J:295
x	* <i>Lactuca serriola</i>	Prickly Lettuce	M:196, J:296
x	<i>Lasthenia californica</i>	Goldfields	M:197, J:299
	<i>Layia platyglossa</i>	Tidy-Tips	M:199, J:303
x	<i>Lessingia filaginifolia</i>	California Aster	M:151, J:305
x	<i>Rafinesquia californica</i>	California Chicory	M:221, J:332
x	* <i>Sonchus asper</i>	Prickly Sow Thistle	M:230, J:344
x	<i>Stephanomeria exigua</i>	Small Stephanomeria	M:231, J:346
x m	<i>Stephanomeria virgata</i>	Twiggy Wreath Plant	M:231, J:348
x	<i>Stylocline gnaphaloides</i>	Everlasting Nest Straw	M:232, J:349
x	<i>Tetradymia comosa</i>	Cotton-Thorn	M:235, J:352
x	<i>Uropappus lindleyi</i>	Silver Puffs	M:212, J:355

## Specimen

	Boraginaceae		
x	<i>Amsinckia menziesii</i>	Rancher's Fireweed	M:248, J:368
x m	<i>Cryptantha intermedia</i>	White Forget-Me-Not	M:255, J:374
x	<i>Cryptantha microstachys</i>	Tejon Cryptantha	M:256, J:376
x m	<i>Heliotropium curassavicum</i>	Salt Heliotrope	M:261, J:381
x m	<i>Pectocarya penicillata</i>	Winged Pectocarya	M:263, J:384
x	<i>Plagiobothrys canescens</i>	Valley Popcorn Flower	M:265, J:388
x m	<i>Plagiobothrys collinus</i>	Popcorn Flower	M:265, J:388
x	<i>Plagiobothrys tenellus</i>	Slender Popcorn Flower	M:267, J:390
	Brassicaceae		
x	<i>Caulanthus simulans</i>	Payson's Jewelflower	M:285, J:412
x	* <i>Hirschfeldia incana</i>	Short-podded Mustard	M:276, J:425
x	* <i>Sisymbrium altissimum</i>	Tumble Mustard	M:301, J:436
x	* <i>Sisymbrium irio</i>	London Rocket	M:301, J:438
	* <i>Sisymbrium orientale</i>	Hare's Ear Cabbage	M:302, J:438
x	<i>Tropidocarpum gracile</i>	Slender Dobie-Pod	M:307, J:448
	Cactaceae		
	<i>Opuntia littoralis</i>	Coast Prickly Pear	M:317, J:455
	<i>Opuntia parryi</i>	Cane Cholla	M:318, J:456
	Campanulaceae		
x	<i>Nemacladus ramosissimus</i>	Nuttall's Threadplant	M:326, J:466
	Caprifoliaceae		
x m	<i>Sambucus mexicana</i>	Blue Elderberry	M:333, J:474
	Caryophyllaceae		
x	<i>Loeflingia squarrosa</i>	California Loeflingia	M:340, J:482
	Chenopodiaceae		
x	* <i>Chenopodium album</i>	Lamb's Quarters	M:360, J:508
x	<i>Chenopodium californicum</i>	Pigweed	M:361, J:508
	Convolvulaceae		
x	<i>Calystegia macrostegia</i>	Western Bindweed	M:373, J:518
x	<i>Cuscuta californica</i>	Dodder	M:376, J:539
	Crassulaceae		
x m	<i>Crassula connata</i>	Pygmy-Weed	M:382, J:525
x	<i>Dudleya lanceolata</i>	Live-Forever	M:386, J:528
	Cucurbitaceae		
x	<i>Cucurbita foetidissima</i>	Calabazilla	M:392, J:536
x	<i>Cucurbita palmata</i>	Coyote Melon	M:392, J:536
x m	<i>Marah macrocarpus</i>	Wild Cucumber	M:393, J:538
	Euphorbiaceae		
	<i>Chamaesyce albomarginata</i>	Rattlesnake Weed	M:411, J:570
x m	<i>Chamaesyce polycarpa</i>	Spurge	M:414, J:571
	<i>Croton californicus</i>		M:408, J:572
x m	<i>Eremocarpus setigerus</i>	Dove Weed	M:409, J:573
	* <i>Ricinus communis</i>	Castor Bean	M:417, J:576
x	<i>Stillingia linearifolia</i>	Linear-Leaf Stillingia	M:417, J:576
	Fabaceae		
	<i>Astragalus sp.</i>		M:422, J:583
	<i>Lotus argophyllus</i>	Silverleaf Lotus	M:445, J:618
x m	<i>Lotus purshianus</i>	Spanish Clover	M:449, J:620
x m	<i>Lotus scoparius</i>	California Broom	M:449, J:620

Specimen			
x m	<i>Lotus strigosus</i>	Hirsute Lotus	M:450, J:622
	<i>Lupinus bicolor</i>	Miniature Lupine	M:454, J:628
	<i>Lupinus sparsiflorus</i>	Coulter's Lupine	M:462, J:636
x	<i>Lupinus truncatus</i>	Collar Lupine	M:463, J:636
x	* <i>Melilotus indica</i>	Sourclover	M:464, J:638
x	<i>Trifolium obtusiflorum</i>	Clover	M:475, J:653
	Fagaceae		
	<i>Quercus dumosa</i>	Nuttall's Scrub Oak	M:480, J:661
	Gentianaceae		
x	<i>Centaurium venustum</i>	Canchalagua	M:486, J:667
	Geraniaceae		
x m	* <i>Erodium cicutarium</i>	Redstem Storksbill	M:490, J:672
	Hydrophyllaceae		
x	<i>Emmenanthe penduliflora</i>	Whispering Bells	M:496, J:683
x	<i>Eucrypta chrysanthemifolia</i>	Common Eucrypta	M:498, J:686
m	<i>Nemophila menziesii</i>	Baby Blue-Eyes	M:501, J:690
x	<i>Phacelia cicutaria</i>	Caterpillar Phacelia	M:506, J:697
x m	<i>Phacelia distans</i>	Wild Heliotrope	M:509, J:698
x m	<i>Phacelia minor</i>	Wild-Canterbury-Bell	M:512, J:702
	<i>Phacelia ramosissima</i>	Branching Phacelia	M:516, J:705
	Lamiaceae		
x	* <i>Marrubium vulgare</i>	Horehound	M:527, J:715
x	<i>Salvia apiana</i>	White Sage	M:536, J:726
x m	<i>Salvia columbariae</i>	Chia	M:536, J:728
x m	<i>Salvia mellifera</i>	Black Sage	M:538, J:728
m	<i>Stachys albens</i>	Whitestem Hedge Nettle	M:541, J:731
x	<i>Stachys rigida</i>	Rigid Hedge Nettle	M:541, J:731
	<i>Trichostemma lanceolatum</i>	Vinegar Weed	M:544, J:732
	Malvaceae		
x m	<i>Malacothamnus fasciculatus</i>	Chaparral Mallow	M:567, J:752
	Myrtaceae		
	<i>Eucalyptus camaldulensis</i>	Red Gum	M:577, J:766
	Nyctaginaceae		
x	<i>Mirabilis californica</i>	Wishbone Bush	M:584, J:772
	Oleaceae		
x	<i>Forestiera pubescens</i>	Desert Olive	M:586, J:775
	Onagraceae		
x m	<i>Camissonia bistorta</i>	Southern Sun Cup	M:592, J:780
x	<i>Camissonia intermedia</i>	Sun Cup	M:598, J:783
m	<i>Clarkia unguilata</i>		M:604, J:
x	<i>Epilobium brachycarpum</i>	Willow Herb	M:607, J:796
x	<i>Epilobium canum</i>	California Fuchsia	M:616, J:796
	Papaveraceae		
m	<i>Eschscholzia californica</i>	California Poppy	M:627, J:814
x m	<i>Platystemon californicus</i>	Cream Cups	M:631, J:815
	Platanaceae		
x	<i>Platanus racemosa</i>	Western Sycamore	M:636, J:822
	Polemoniaceae		
x m	<i>Eriastrum saphirinum</i>	Sapphire Wool Star	M:643, J:828
x	<i>Gilia angelensis</i>	Grassland Gilia	M:647, J:831

Specimen			
x	<i>Gilia australis</i>	Southern Gilia	M:647, J:831
x	<i>Linanthus dianthiflorus</i>	Ground Pink	M:661, J:842
Polygonaceae			
x	<i>Chorizanthe polygonoides</i>	Knotweed Spineflower	M:673, J:859
x	<i>Eriogonum baileyi</i>		M:681, J:869
	<i>Eriogonum elongatum</i>	Long-stemmed Buckwheat	M:684, J:870
x	<i>Eriogonum fasciculatum</i>	California Buckwheat	M:684, J:872
x	<i>Eriogonum gracile</i>	Slender Woolly Buckwheat	M:686, J:872
x	<i>Pterostegia drymariodes</i>	Granny's Hairnet	M:705, J:892
x	<i>Rumex salicifolia</i>	Willow Dock	M:706, J:894
Portulacaceae			
x m	<i>Calandrinia ciliata</i>	Red Maids	M:709, J:896
x m	<i>Calyptidium monandrum</i>		M:711, J:896
	<i>Claytonia perfoliata</i>	Miner's Lettuce	M:712, J:900
Ranunculaceae			
x m	<i>Clematis pauciflora</i>	Ropevine	M:722, J:914
m	<i>Delphinium parryi</i>	Parry's Larkspur	M:724, J:920
Rhamnaceae			
	<i>Rhamnus crocea</i>	Spiny Redberry	M:739, J:940
Rosaceae			
x	<i>Prunus ilicifolia</i>	Holly-Leaved Cherry	M:757, J:970
Rubiaceae			
x	<i>Galium angustifolium</i>	Narrow-Leaved Bedstraw	M:764, J:981
x	* <i>Galium aparine</i>	Goose Grass	M:765, J:982
Salicaceae			
	<i>Populus fremontii</i>	Fremont Cottonwood	M:772, J:990
	<i>Salix exigua</i>	Narrow-Leaved Willow	M:774, J:997
x	<i>Salix laevigata</i>	Red Willow	M:774, J:997
	<i>Salix lasiolepis</i>	Arroyo Willow	M:775, J:997
Saururaceae			
x	<i>Anemopsis californica</i>	Yerba Mansa	M:776, J:1002
Scrophulariaceae			
x	<i>Antirrhinum coulterianum</i>	Coulter's Snapdragon	M:791, J:1014
x m	<i>Antirrhinum nuttallianum</i>	Nuttall's Snapdragon	M:793, J:1015
x	<i>Castilleja exserta</i>	Purple Owl's Clover	M:817, J:1020
x m	<i>Keckiella antirrhinoides</i>	Yellow Bush Penstemon	M:803, J:1033
x	<i>Linaria canadensis</i>	Blue Toadflax	M:805, J:1036
x	<i>Mimulus aurantiacus</i>	Red Bush Monkeyflower	M:813, J:1040
x m	<i>Mimulus cardinalis</i>	Scarlet Monkeyflower	M:810, J:1042
x	<i>Mimulus floribundus</i>	Showy Monkeyflower	M:811, J:1042
m	<i>Mimulus guttatus</i>	Yellow Monkeyflower	M:811, J:1042
x	<i>Mimulus pilosus</i>	Downy Mimetanthe	M:814, J:1044
Solanaceae			
x	<i>Datura wrightii</i>	Jimson Weed	M:830, J:1070
x	<i>Nicotiana quadrivalvis</i>	Wallace's Tobacco	M:835, J:1072
x m	* <i>Nicotiana glauca</i>	Tree Tobacco	M:835, J:1072
x	<i>Solanum douglasii</i>	Douglas's Nightshade	M:839, J:1076
x m	<i>Solanum xanti</i>	Purple Nightshade	M:840, J:1077
Tamariaceae			
	* <i>Tamarix ramosissima</i>	Branching Tamarisk	M:844, J:1080

## Specimen

	Urticaceae		
x	<i>Parietaria hespera</i>	Pellitory	M:846, J:1083
x	<i>Urtica dioica</i>	Creek Nettle	M:847, J:1083
	Viscaceae		
	<i>Phoradendron juniperinum</i>	Juniper Mistletoe	M:858, J:1097
<b>SUBCLASS MONOCOTYLEDONES</b>			
	Alliaceae		
m	<i>Brodiaea jolonensis</i>		M:1384
	Agavaceae		
	<i>Yucca whipplei</i>	Our Lord's Candle	M:867, J:1210
	Amaryllidaceae		
X	<i>Dichelostemma capitatum</i>	Blue Dicks	M:878, J:1192
	Juncaceae		
x	<i>Juncus bufonius</i>	Toad Rush	M:911, J:1159
x	<i>Juncus macrophyllus</i>	Large-leaved Rush	M:912, J:1162
x	<i>Juncus mexicanus</i>	Mexican Rush	M:912, J:1164
x	<i>Juncus xiphioides</i>	Iris-leaf Rush	M:916, J:1165
	Liliaeaceae		
x m	<i>Calochortus splendens</i>	Lilac Mariposa	M:925, J:1188
	Poaceae		
x	<i>Achnatherum coronatum</i>	Crested Needlegrass	M:1004, J:1226
x	* <i>Avena barbata</i>	Slender Wild Oat	M:947, J:1236
	* <i>Bromus diandrus</i>	Ripgut Grass	M:953, J:1242
x	* <i>Bromus hordeaceus</i>	Soft Chess	M:955, J:1242
x m	* <i>Bromus madritensis</i>	Foxtail Chess	M:956, J:1243
m	* <i>Hordeum murinum</i>	Barley	M:977, J:1266
x	* <i>Lamarckia aurea</i>	Goldentop	M:978, J:1267
x	<i>Leymus condensatus</i>	Giant Wild Rye	M:966, J:1268
x	<i>Melica imperfecta</i>	Small-flowered Melica	M:982, J:1271
x	<i>Muhlenbergia microsperma</i>	Littleseed Muhly	M:984, J:1274
x	* <i>Polypogon monspeliensis</i>	Annual Beard Grass	M:996, J:1290
x m	* <i>Schismus barbatus</i>	Schismus Grass	M:997, J:1293
x	* <i>Vulpia myuros</i>	Foxtail Fescue	M:972, J:1302
x	<i>Vulpia octoflora</i>	Six-weeks Fescue	M:973, J:1302
	Typhaceae		
x	<i>Typha domingensis</i>	Southern Cattail	M:1012, J:1309
x	<i>Typha latifolia</i>	Broad-Leaved Cattail	M:1012, J:1310