

UNIVERSITY OF CALIFORNIA  
NATURAL RESERVE SYSTEM

**MOTTE RIMROCK RESERVE**

FLORA

The flora of the Motte Rimrock Reserve currently consists of 192 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>	M: 14, J:109
	Little Club-Moss	
	<b>SUBDIVISION PTEROPSIDA</b>	
	<b>CLASS FILICAE</b>	
	Aspidiaceae	
	<i>Dryopteris arguta</i>	M: 19, J: 92
	Wood Fern	
	Pteridaceae	
m	<i>Cheilanthes covillei</i>	M: 26, J:104
x	<i>Cheilanthes newberryi</i>	M: 29, J:105
	<i>Pellaea mucronata</i>	M: 31, J:106
	<i>Pentagramma triangularis</i>	M: 32, J:108
	Silver-Backed Fern	

Specimen CLASS CONIFERAE

	Cupressaceae		
x	<i>Juniperus californica</i>	California Juniper	M: 37, J:114

**CLASS ANGIOSPERMAE**  
**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 Bricklebrush	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

Specimen			
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
	<b>Boraginaceae</b>		
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 currassavicum</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
	<b>Brassicaceae</b>		
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
	<b>Cactaceae</b>		
	<i>Opuntia littoralis</i>	Coast Prickly Pear	M:317, J:455
	<i>Opuntia parryi</i>	Cane Cholla	M:318, J:456
	<b>Campanulaceae</b>		
x	<i>Nemacladus ramosissimus</i>	Nuttall's Threadplant	M:326, J:466
	<b>Caprifoliaceae</b>		
x m	<i>Sambucus mexicana</i>	Blue Elderberry	M:333, J:474
	<b>Caryophyllaceae</b>		
x	<i>Loeflingia squarrosa</i>	California Loeflingia	M:340, J:482
	<b>Chenopodiaceae</b>		
x	* <i>Chenopodium album</i>	Lamb's Quarters	M:360,
J:508			
x	<i>Chenopodium californicum</i>	Pigweed	M:361, J:508
	<b>Convolvulaceae</b>		
x	<i>Calystegia macrostegia</i>	Western Bindweed	M:373, J:518
x	<i>Cuscuta californica</i>	Dodder	M:376, J:539
	<b>Crassulaceae</b>		
x m	<i>Crassula connata</i>	Pygmy-Weed	M:382, J:525
x	<i>Dudleya lanceolata</i>	Live-Forever	M:386, J:528
	<b>Cucurbitaceae</b>		
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
	<b>Euphorbiaceae</b>		
	<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

Specimen		
	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
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		

Specimen			
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 sapphirinum</i>	Sapphire Wool Star	M:643, J:828
x	<i>Gilia angelensis</i>	Grassland Gilia	M:647, J:831
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
Specimen			
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
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

#### SUBCLASS MONOCOTYLEDONES

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
Liliaceae			
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